



U.S. Energy Information
Administration

Petroleum Supply Monthly

with data for December 2020

February 2021



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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

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Table 1. U.S. Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, December 2020
(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	342,956	--	--	177,092	7,638	-15,162	438,335	104,513	0	1,123,343
Hydrocarbon Gas Liquids	156,853	-632	10,756	6,436	--	-38,261	17,591	69,395	124,688	229,157
Natural Gas Liquids	156,853	-632	1,850	5,978	--	-38,423	17,591	69,395	115,486	226,908
Ethane	59,355	--	182	--	--	-7,279	--	8,013	58,803	69,600
Propane	52,586	--	8,242	4,467	--	-19,841	--	49,329	35,807	70,435
Normal Butane	14,421	--	-5,580	1,392	--	-7,689	8,690	8,904	328	41,643
Isobutane	13,193	--	-994	114	--	0	5,411	256	6,646	12,341
Natural Gasoline	17,298	-632	--	5	--	-3,614	3,490	2,892	13,903	32,889
Refinery Olefins	--	--	8,906	458	--	162	--	--	9,202	2,249
Ethylene	--	--	22	--	--	0	--	--	22	0
Propylene	--	--	9,054	406	--	218	--	--	9,242	1,487
Normal Butylene	--	--	-152	52	--	-50	--	--	-50	720
Isobutylene	--	--	-18	--	--	-6	--	--	-12	42
Other Liquids	--	33,872	--	28,636	6,798	1,012	51,225	13,951	3,119	326,014
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	--	33,872	--	1,501	1,445	1,292	32,795	2,732	0	29,898
Hydrogen	--	--	--	--	6,331	--	6,331	--	0	--
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol)	--	33,872	--	1,501	-4,906	1,292	26,444	2,732	0	29,885
Fuel Ethanol ⁵	--	30,097	--	254	-1,543	1,430	24,711	2,667	0	24,687
Renewable Fuels Except Fuel Ethanol	--	3,775	--	1,247	-3,363	-138	1,733	64	0	5,198
Other Hydrocarbons	--	--	--	--	20	0	20	--	0	13
Unfinished Oils	--	--	--	11,824	--	-1,967	1,309	9,356	3,126	78,207
Motor Gasoline Blend.Comp. (MGBC) ⁵	--	0	--	15,311	5,352	1,686	17,115	1,862	0	217,878
Reformulated	--	0	--	6,372	5,366	-90	11,824	4	0	53,449
Conventional	--	--	--	8,939	-14	1,776	5,291	1,858	0	164,429
Aviation Gasoline Blend. Comp.	--	--	--	--	--	1	6	--	-7	31
Finished Petroleum Products	--	38	524,814	27,408	-1,049	7,283	--	89,068	454,861	303,891
Finished Motor Gasoline	--	38	273,096	2,739	-3,810	271	--	28,865	242,927	25,310
Reformulated	--	--	82,518	--	-6,794	-4	--	--	75,728	48
Conventional	--	38	190,578	2,739	2,984	275	--	28,865	167,198	25,262
Finished Aviation Gasoline	--	--	331	8	--	41	--	--	298	1,121
Kerosene-Type Jet Fuel	--	--	34,881	4,237	--	982	--	2,685	35,451	38,627
Kerosene	--	--	622	8	--	18	--	366	246	2,660
Distillate Fuel Oil ⁵	--	--	143,727	14,371	2,761	4,160	--	37,033	119,666	160,441
15 ppm sulfur and under	--	--	139,257	14,050	2,761	4,311	--	32,417	119,340	148,575
Greater than 15 ppm to 500 ppm sulfur	--	--	1,681	315	--	7	--	1,835	154	3,408
Greater than 500 ppm sulfur	--	--	2,789	6	--	-158	--	2,781	172	8,458
Residual Fuel Oil	--	--	4,552	2,926	--	-945	--	2,357	6,066	30,234
Less than 0.31 percent sulfur	--	--	541	--	--	-112	--	NA	NA	3,086
0.31 to 1.00 percent sulfur	--	--	2,083	129	--	-127	--	NA	NA	6,922
Greater than 1.00 percent sulfur	--	--	1,928	2,797	--	-706	--	NA	NA	20,226
Petrochemical Feedstocks	--	--	9,599	361	--	132	--	--	9,828	2,888
Naphtha for Petro. Feed. Use	--	--	5,896	252	--	137	--	--	6,011	2,076
Other Oils for Petro. Feed. Use	--	--	3,703	109	--	-5	--	--	3,817	812
Special Naphthas	--	--	944	207	--	-68	--	--	1,219	1,060
Lubricants	--	--	5,296	1,046	--	-153	--	3,080	3,415	9,700
Waxes	--	--	154	135	--	11	--	174	104	555
Petroleum Coke	--	--	22,150	124	--	387	--	13,985	7,902	7,703
Marketable	--	--	16,486	124	--	387	--	13,985	2,238	7,703
Catalyst	--	--	5,664	--	--	--	--	--	5,664	--
Asphalt and Road Oil	--	--	9,088	1,245	--	2,506	--	487	7,340	23,024
Still Gas	--	--	17,947	--	--	--	--	--	17,947	--
Miscellaneous Products	--	--	2,427	1	--	-59	--	35	2,452	568
Total	499,809	33,278	535,570	239,572	13,387	-45,128	507,151	276,927	582,667	1,982,405

-- = 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-22M "Monthly Biodiesel Production Survey", 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 Oxygenate 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, 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-December 2020
(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	4,138,569	--	--	2,150,808	129,964	55,439	5,201,740	1,162,163	0	1,123,343
Hydrocarbon Gas Liquids	1,888,963	-6,681	199,829	57,416	--	17,422	185,855	766,253	1,169,997	229,157
Natural Gas Liquids	1,888,963	-6,681	104,829	51,934	--	18,139	185,855	766,253	1,068,798	226,908
Ethane	735,946	--	2,236	--	--	12,201	--	102,867	623,114	69,600
Propane	614,016	--	96,575	40,427	--	-9,177	--	462,944	297,251	70,435
Normal Butane	168,553	--	13,652	9,033	--	1,988	65,927	128,819	-5,496	41,643
Isobutane	157,300	--	-7,634	2,406	--	1,136	71,230	1,816	77,890	12,341
Natural Gasoline	213,148	-6,681	--	68	--	11,991	48,698	69,807	76,039	32,889
Refinery Olefins	--	--	95,000	5,482	--	-717	--	--	101,199	2,249
Ethylene	--	--	226	--	--	0	--	--	226	0
Propylene	--	--	96,514	4,701	--	-186	--	--	101,401	1,487
Normal Butylene	--	--	-1,690	781	--	-553	--	--	-356	720
Isobutylene	--	--	-50	--	--	22	--	--	-72	42
Other Liquids	--	374,591	--	387,954	76,460	-19,101	676,509	155,314	26,282	326,014
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	--	374,613	--	14,839	37,654	2,079	389,685	35,341	0	29,898
Hydrogen	--	--	--	--	75,208	--	75,208	--	0	--
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol)	--	374,613	--	14,763	-37,685	2,076	314,273	35,341	0	29,885
Fuel Ethanol ⁵	--	331,577	--	3,421	-6,991	2,338	293,707	31,962	0	24,687
Renewable Fuels Except Fuel Ethanol	--	43,036	--	11,342	-30,694	-262	20,566	3,380	0	5,198
Other Hydrocarbons	--	--	--	76	131	3	204	--	0	13
Unfinished Oils	--	--	--	197,803	--	-11,194	84,853	97,682	26,462	78,207
Motor Gasoline Blend.Comp. (MGBC) ⁵	--	-22	--	175,312	38,806	-9,975	201,780	22,291	0	217,878
Reformulated	--	-5	--	63,274	79,753	583	141,852	587	0	53,449
Conventional	--	-17	--	112,038	-40,947	-10,558	59,928	21,704	0	164,429
Aviation Gasoline Blend. Comp.	--	--	--	--	--	-11	191	--	-180	31
Finished Petroleum Products	--	731	6,202,382	279,565	-4,498	12,041	--	1,030,326	5,435,813	303,891
Finished Motor Gasoline	--	731	3,199,032	38,508	-31,815	-664	--	266,786	2,940,334	25,310
Reformulated	--	--	977,816	--	-75,349	7	--	--	902,460	48
Conventional	--	731	2,221,216	38,508	43,534	-671	--	266,786	2,037,874	25,262
Finished Aviation Gasoline	--	--	3,711	253	--	19	--	--	3,945	1,121
Kerosene-Type Jet Fuel	--	--	372,607	54,787	--	-1,826	--	34,752	394,468	38,627
Kerosene	--	--	4,441	351	--	-195	--	2,147	2,840	2,660
Distillate Fuel Oil ⁵	--	--	1,734,900	79,217	27,317	20,455	--	438,973	1,382,006	160,441
15 ppm sulfur and under	--	--	1,658,447	77,056	27,317	23,877	--	371,668	1,367,275	148,575
Greater than 15 ppm to 500 ppm sulfur	--	--	36,476	1,734	--	-1,034	--	34,137	5,107	3,408
Greater than 500 ppm sulfur	--	--	39,977	427	--	-2,388	--	33,168	9,624	8,458
Residual Fuel Oil	--	--	69,765	60,587	--	-670	--	51,607	79,415	30,234
Less than 0.31 percent sulfur	--	--	11,267	2,528	--	-715	--	NA	NA	3,086
0.31 to 1.00 percent sulfur	--	--	25,345	13,348	--	1,496	--	NA	NA	6,922
Greater than 1.00 percent sulfur	--	--	33,153	44,711	--	-1,443	--	NA	NA	20,226
Petrochemical Feedstocks	--	--	97,825	6,747	--	-266	--	--	104,838	2,888
Naphtha for Petro. Feed. Use	--	--	61,968	5,492	--	-123	--	--	67,583	2,076
Other Oils for Petro. Feed. Use	--	--	35,857	1,255	--	-143	--	--	37,255	812
Special Naphthas	--	--	11,626	4,653	--	-167	--	--	16,446	1,060
Lubricants	--	--	55,621	13,209	--	-2,986	--	35,045	36,771	9,700
Waxes	--	--	1,374	1,713	--	-171	--	1,638	1,620	555
Petroleum Coke	--	--	280,712	3,262	--	-1,356	--	190,313	95,017	7,703
Marketable	--	--	211,969	3,262	--	-1,356	--	190,313	26,274	7,703
Catalyst	--	--	68,743	--	--	--	--	--	68,743	--
Asphalt and Road Oil	--	--	117,517	16,264	--	-31	--	8,587	125,225	23,024
Still Gas	--	--	223,479	--	--	--	--	--	223,479	--
Miscellaneous Products	--	--	29,772	14	--	-101	--	477	29,410	568
Total	6,027,532	368,641	6,402,211	2,875,743	201,926	65,801	6,064,104	3,114,055	6,632,093	1,982,405

-- = 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.

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Table 3. U.S. Daily Average Supply and Disposition of Crude Oil and Petroleum Products, December 2020
(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	11,063	--	--	5,713	246	-489	14,140	3,371	0
Hydrocarbon Gas Liquids	5,060	-20	347	208	--	-1,234	567	2,239	4,022
Natural Gas Liquids	5,060	-20	60	193	--	-1,239	567	2,239	3,725
Ethane	1,915	--	6	--	--	-235	--	258	1,897
Propane	1,696	--	266	144	--	-640	--	1,591	1,155
Normal Butane	465	--	-180	45	--	-248	280	287	11
Isobutane	426	--	-32	4	--	0	175	8	214
Natural Gasoline	558	-20	--	0	--	-117	113	93	448
Refinery Olefins	--	--	287	15	--	5	--	--	297
Ethylene	--	--	1	--	--	0	--	--	1
Propylene	--	--	292	13	--	7	--	--	298
Normal Butylene	--	--	-5	2	--	-2	--	--	-2
Isobutylene	--	--	-1	--	--	0	--	--	0
Other Liquids	--	1,093	--	924	219	33	1,652	450	101
Hydrogen/Oxygenates/Renewables/ Other Hydrocarbons	--	1,093	--	48	47	42	1,058	88	0
Hydrogen	--	--	--	--	204	--	204	--	0
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol)	--	1,093	--	48	-158	42	853	88	0
Fuel Ethanol ⁵	--	971	--	8	-50	46	797	86	0
Renewable Fuels Except Fuel Ethanol	--	122	--	40	-108	-4	56	2	0
Other Hydrocarbons	--	--	--	--	1	0	1	--	0
Unfinished Oils	--	--	--	381	--	-63	42	302	101
Motor Gasoline Blend.Comp. (MGBC) ⁵	--	0	--	494	173	54	552	60	0
Reformulated	--	0	--	206	173	-3	381	0	0
Conventional	--	--	--	288	0	57	171	60	0
Aviation Gasoline Blend. Comp.	--	--	--	--	--	0	0	--	0
Finished Petroleum Products	--	1	16,929	884	-34	235	--	2,873	14,673
Finished Motor Gasoline	--	1	8,810	88	-123	9	--	931	7,836
Reformulated	--	--	2,662	--	-219	0	--	--	2,443
Conventional	--	1	6,148	88	96	9	--	931	5,393
Finished Aviation Gasoline	--	--	11	0	--	1	--	--	10
Kerosene-Type Jet Fuel	--	--	1,125	137	--	32	--	87	1,144
Kerosene	--	--	20	0	--	1	--	12	8
Distillate Fuel Oil ⁵	--	--	4,636	464	89	134	--	1,195	3,860
15 ppm sulfur and under	--	--	4,492	453	89	139	--	1,046	3,850
Greater than 15 ppm to 500 ppm sulfur	--	--	54	10	--	0	--	59	5
Greater than 500 ppm sulfur	--	--	90	0	--	-5	--	90	6
Residual Fuel Oil	--	--	147	94	--	-30	--	76	196
Less than 0.31 percent sulfur	--	--	17	--	--	-4	--	NA	NA
0.31 to 1.00 percent sulfur	--	--	67	4	--	-4	--	NA	NA
Greater than 1.00 percent sulfur	--	--	62	90	--	-23	--	NA	NA
Petrochemical Feedstocks	--	--	310	12	--	4	--	--	317
Naphtha for Petro. Feed. Use	--	--	190	8	--	4	--	--	194
Other Oils for Petro. Feed. Use	--	--	119	4	--	0	--	--	123
Special Naphthas	--	--	30	7	--	-2	--	--	39
Lubricants	--	--	171	34	--	-5	--	99	110
Waxes	--	--	5	4	--	0	--	6	3
Petroleum Coke	--	--	715	4	--	12	--	451	255
Marketable	--	--	532	4	--	12	--	451	72
Catalyst	--	--	183	--	--	--	--	--	183
Asphalt and Road Oil	--	--	293	40	--	81	--	16	237
Still Gas	--	--	579	--	--	--	--	--	579
Miscellaneous Products	--	--	78	0	--	-2	--	1	79
Total	16,123	1,073	17,276	7,728	432	-1,456	16,360	8,933	18,796

-- = Not Applicable.

- = 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-22M "Monthly Biodiesel Production Survey", 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 Oxygenate 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, 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-December 2020
(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	11,308	--	--	5,877	355	151	14,212	3,175	0
Hydrocarbon Gas Liquids	5,161	-18	546	157	--	48	508	2,094	3,197
Natural Gas Liquids	5,161	-18	286	142	--	50	508	2,094	2,920
Ethane	2,011	--	6	--	--	33	--	281	1,702
Propane	1,678	--	264	110	--	-25	--	1,265	812
Normal Butane	461	--	37	25	--	5	180	352	-15
Isobutane	430	--	-21	7	--	3	195	5	213
Natural Gasoline	582	-18	--	0	--	33	133	191	208
Refinery Olefins	--	--	260	15	--	-2	--	--	277
Ethylene	--	--	1	--	--	0	--	--	1
Propylene	--	--	264	13	--	-1	--	--	277
Normal Butylene	--	--	-5	2	--	-2	--	--	-1
Isobutylene	--	--	0	--	--	0	--	--	0
Other Liquids	--	1,023	--	1,060	209	-52	1,848	424	72
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	--	1,024	--	41	103	6	1,065	97	0
Hydrogen	--	--	--	--	205	--	205	--	0
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol)	--	1,024	--	40	-103	6	859	97	0
Fuel Ethanol ⁵	--	906	--	9	-19	6	802	87	0
Renewable Fuels Except Fuel Ethanol	--	118	--	31	-84	-1	56	9	0
Other Hydrocarbons	--	--	--	0	0	0	1	--	0
Unfinished Oils	--	--	--	540	--	-31	232	267	72
Motor Gasoline Blend.Comp. (MGBC) ⁵	--	0	--	479	106	-27	551	61	0
Reformulated	--	0	--	173	218	2	388	2	0
Conventional	--	0	--	306	-112	-29	164	59	0
Aviation Gasoline Blend. Comp.	--	--	--	--	--	0	1	--	0
Finished Petroleum Products	--	2	16,946	764	-12	33	--	2,815	14,852
Finished Motor Gasoline	--	2	8,741	105	-87	-2	--	729	8,034
Reformulated	--	--	2,672	--	-206	0	--	--	2,466
Conventional	--	2	6,069	105	119	-2	--	729	5,568
Finished Aviation Gasoline	--	--	10	1	--	0	--	--	11
Kerosene-Type Jet Fuel	--	--	1,018	150	--	-5	--	95	1,078
Kerosene	--	--	12	1	--	-1	--	6	8
Distillate Fuel Oil ⁵	--	--	4,740	216	75	56	--	1,199	3,776
15 ppm sulfur and under	--	--	4,531	211	75	65	--	1,015	3,736
Greater than 15 ppm to 500 ppm sulfur	--	--	100	5	--	-3	--	93	14
Greater than 500 ppm sulfur	--	--	109	1	--	-7	--	91	26
Residual Fuel Oil	--	--	191	166	--	-2	--	141	217
Less than 0.31 percent sulfur	--	--	31	7	--	-2	--	NA	NA
0.31 to 1.00 percent sulfur	--	--	69	36	--	4	--	NA	NA
Greater than 1.00 percent sulfur	--	--	91	122	--	-4	--	NA	NA
Petrochemical Feedstocks	--	--	267	18	--	-1	--	--	286
Naphtha for Petro. Feed. Use	--	--	169	15	--	0	--	--	185
Other Oils for Petro. Feed. Use	--	--	98	3	--	0	--	--	102
Special Naphthas	--	--	32	13	--	0	--	--	45
Lubricants	--	--	152	36	--	-8	--	96	100
Waxes	--	--	4	5	--	0	--	4	4
Petroleum Coke	--	--	767	9	--	-4	--	520	260
Marketable	--	--	579	9	--	-4	--	520	72
Catalyst	--	--	188	--	--	--	--	--	188
Asphalt and Road Oil	--	--	321	44	--	0	--	23	342
Still Gas	--	--	611	--	--	--	--	--	611
Miscellaneous Products	--	--	81	0	--	0	--	1	80
Total	16,469	1,007	17,492	7,857	552	180	16,569	8,508	18,120

-- = Not Applicable.

- = 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-22M "Monthly Biodiesel Production Survey", 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 Oxygenate 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, 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, December 2020
(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	2,311	--	--	13,780	3,504	-555	-50	18,362	729	0	9,866
Hydrocarbon Gas Liquids	19,473	-10	308	1,864	3,472	--	-1,014	1,503	7,223	17,395	12,324
Natural Gas Liquids	19,473	-10	-217	1,605	3,176	--	-940	1,503	7,223	16,241	12,001
Ethane	7,146	--	--	--	-5,163	--	-1	--	1,612	372	1,138
Propane	7,104	--	376	1,514	6,861	--	-641	--	4,385	12,111	8,161
Normal Butane	2,299	--	-447	49	2,146	--	72	1,018	1,148	1,809	2,004
Isobutane	908	--	-146	42	-317	--	-52	150	1	388	219
Natural Gasoline	2,016	-10	--	--	-351	--	-318	335	78	1,560	479
Refinery Olefins	--	--	525	259	296	--	-74	--	--	1,154	323
Ethylene	--	--	18	--	--	--	--	--	--	18	--
Propylene	--	--	451	259	296	--	-15	--	--	1,021	145
Normal Butylene	--	--	33	--	--	--	-57	--	--	90	136
Isobutylene	--	--	23	--	--	--	-2	--	--	25	42
Other Liquids	--	535	--	13,868	59,637	3,954	637	76,579	91	687	75,898
Hydrogen/Oxygenates/Renewables/ Other Hydrocarbons	--	535	--	280	10,247	-1,039	462	9,496	65	0	8,592
Hydrogen	--	--	--	--	--	101	--	101	--	0	--
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol)	--	535	--	280	10,247	-1,140	462	9,395	65	0	8,592
Fuel Ethanol	--	373	--	--	9,710	-491	537	8,991	64	0	7,231
Renewable Fuels Except Fuel Ethanol	--	162	--	280	538	-650	-75	404	1	0	1,361
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	--	--	1,133	-21	--	-467	869	23	687	3,328
Motor Gasoline Blend.Comp. (MGBC)	--	--	--	12,455	49,411	4,993	642	66,214	3	0	63,978
Reformulated	--	--	--	6,372	7,805	1,664	-60	15,900	1	0	21,964
Conventional	--	--	--	6,083	41,606	3,329	702	50,314	2	0	42,014
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--	--
Finished Petroleum Products	--	--	97,381	18,633	38,587	-3,853	793	--	2,869	147,087	92,747
Finished Motor Gasoline	--	--	86,522	2,216	5,075	-4,502	605	--	26	88,680	4,562
Reformulated	--	--	33,109	--	--	-2,601	-4	--	--	30,512	30
Conventional	--	--	53,413	2,216	5,075	-1,901	609	--	26	58,168	4,532
Finished Aviation Gasoline	--	--	--	1	101	--	-39	--	--	141	210
Kerosene-Type Jet Fuel	--	--	1,305	1,344	9,481	--	928	--	163	11,039	10,150
Kerosene	--	--	57	--	278	--	-43	--	74	304	2,204
Distillate Fuel Oil ⁶	--	--	5,997	13,304	21,576	650	-1,034	--	371	42,190	60,620
15 ppm sulfur and under	--	--	5,966	13,304	20,715	650	-729	--	312	41,052	56,213
Greater than 15 ppm to 500 ppm sulfur	--	--	64	--	--	--	-103	--	--	167	1,407
Greater than 500 ppm sulfur	--	--	-33	--	861	--	-202	--	59	971	3,000
Residual Fuel Oil	--	--	855	944	365	--	-668	--	49	2,783	8,014
Less than 0.31 percent sulfur	--	--	-28	--	--	--	43	--	NA	NA	927
0.31 to 1.00 percent sulfur	--	--	716	--	295	--	45	--	NA	NA	2,350
Greater than 1.00 percent sulfur	--	--	167	944	70	--	-756	--	NA	NA	4,737
Petrochemical Feedstocks	--	--	--	5	-8	--	--	--	--	-3	--
Naphtha for Petro. Feed. Use	--	--	--	4	-8	--	--	--	--	-4	--
Other Oils for Petro. Feed. Use	--	--	--	1	--	--	--	--	--	1	--
Special Naphthas	--	--	12	2	--	--	-2	--	--	16	42
Lubricants	--	--	278	125	616	--	187	--	148	684	1,143
Waxes	--	--	-13	67	--	--	7	--	73	-26	261
Petroleum Coke	--	--	579	2	162	--	--	--	1,929	-1,186	--
Marketable	--	--	201	2	162	--	--	--	1,929	-1,564	--
Catalyst	--	--	378	--	--	--	--	--	--	378	--
Asphalt and Road Oil	--	--	932	623	942	--	848	--	20	1,628	5,484
Still Gas	--	--	781	--	--	--	--	--	--	781	--
Miscellaneous Products	--	--	76	--	--	--	4	--	17	55	57
Total	21,784	525	97,689	48,145	105,201	-454	366	96,444	10,912	165,168	190,835

-- = 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-22M "Monthly Biodiesel Production Survey", 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 Oxygenate 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 6. PAD District 1 - Year-to-Date Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, January-December 2020
(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	25,767	--	--	155,510	61,107	-11,548	220	221,024	9,593	0	9,866
Hydrocarbon Gas Liquids	224,505	-116	7,056	14,115	22,784	--	2,702	12,981	94,922	157,739	12,324
Natural Gas Liquids	224,505	-116	2,161	11,255	18,777	--	2,687	12,981	94,922	145,992	12,001
Ethane	85,202	--	--	--	-61,076	--	399	--	20,464	3,263	1,138
Propane	80,215	--	4,695	10,388	68,709	--	1,603	--	54,364	108,040	8,161
Normal Butane	25,591	--	-1,418	298	17,740	--	507	7,446	18,857	15,401	2,004
Isobutane	10,537	--	-1,116	569	-2,913	--	51	2,514	9	4,503	219
Natural Gasoline	22,960	-116	--	--	-3,683	--	127	3,021	1,227	14,786	479
Refinery Olefins	--	--	4,895	2,860	4,007	--	15	--	--	11,747	323
Ethylene	--	--	148	--	--	--	--	--	--	148	--
Propylene	--	--	4,716	2,860	4,007	--	-6	--	--	11,589	145
Normal Butylene	--	--	-275	--	--	--	-6	--	--	-269	136
Isobutylene	--	--	306	--	--	--	27	--	--	279	42
Other Liquids	--	6,925	--	176,073	688,413	52,766	2,206	919,959	2,600	-586	75,898
Hydrogen/Oxygenates/Renewables/ Other Hydrocarbons	--	6,934	--	2,169	105,806	-2,149	13	111,093	1,655	0	8,592
Hydrogen	--	--	--	--	--	1,273	--	1,273	--	0	--
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol)	--	6,934	--	2,169	105,806	-3,422	13	109,820	1,655	0	8,592
Fuel Ethanol	--	5,220	--	--	102,966	-789	-30	105,962	1,465	0	7,231
Renewable Fuels Except Fuel Ethanol	--	1,714	--	2,169	2,840	-2,632	43	3,858	190	0	1,361
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	--	--	25,313	621	--	-813	26,934	399	-586	3,328
Motor Gasoline Blend.Comp. (MGBC)	--	-9	--	148,591	581,986	54,915	3,006	781,932	545	0	63,978
Reformulated	--	--	--	62,154	93,072	30,075	809	184,478	14	0	21,964
Conventional	--	-9	--	86,437	488,914	24,840	2,197	597,454	531	0	42,014
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--	--
Finished Petroleum Products	--	--	1,159,978	147,355	477,623	-51,495	17,781	--	31,200	1,684,479	92,747
Finished Motor Gasoline	--	--	1,027,400	31,441	43,349	-54,126	-70	--	1,984	1,046,150	4,562
Reformulated	--	--	388,243	--	--	-30,739	2	--	--	357,502	30
Conventional	--	--	639,157	31,441	43,349	-23,386	-72	--	1,984	688,649	4,532
Finished Aviation Gasoline	--	--	--	62	827	--	11	--	--	878	210
Kerosene-Type Jet Fuel	--	--	11,727	17,187	98,940	--	1,305	--	1,962	124,587	10,150
Kerosene	--	--	978	303	1,803	--	-1	--	478	2,607	2,204
Distillate Fuel Oil ⁶	--	--	73,001	68,815	306,624	2,630	15,818	--	9,556	425,697	60,620
15 ppm sulfur and under	--	--	73,229	67,441	294,840	2,630	16,481	--	6,157	415,502	56,213
Greater than 15 ppm to 500 ppm sulfur	--	--	1,118	1,111	1,052	--	-64	--	2,661	684	1,407
Greater than 500 ppm sulfur	--	--	-1,346	263	10,732	--	-599	--	738	9,510	3,000
Residual Fuel Oil	--	--	11,173	16,550	1,328	--	343	--	3,710	24,998	8,014
Less than 0.31 percent sulfur	--	--	-424	1,105	1,118	--	-750	--	NA	NA	927
0.31 to 1.00 percent sulfur	--	--	8,896	6,883	87	--	263	--	NA	NA	2,350
Greater than 1.00 percent sulfur	--	--	2,701	8,562	123	--	830	--	NA	NA	4,737
Petrochemical Feedstocks	--	--	-5	884	192	--	-45	--	--	1,116	--
Naphtha for Petro. Feed. Use	--	--	-5	874	192	--	-45	--	--	1,106	--
Other Oils for Petro. Feed. Use	--	--	--	10	--	--	--	--	--	10	--
Special Naphthas	--	--	167	20	--	--	9	--	--	178	42
Lubricants	--	--	3,957	1,464	6,276	--	-299	--	2,080	9,916	1,143
Waxes	--	--	-122	875	--	--	-148	--	807	94	261
Petroleum Coke	--	--	8,042	37	5,583	--	--	--	9,659	4,003	--
Marketable	--	--	3,171	37	5,583	--	--	--	9,659	-868	--
Catalyst	--	--	4,871	--	--	--	--	--	--	4,871	--
Asphalt and Road Oil	--	--	12,191	9,715	12,260	--	834	--	794	32,538	5,484
Still Gas	--	--	10,547	--	--	--	--	--	--	10,547	--
Miscellaneous Products	--	--	922	2	441	--	24	--	171	1,170	57
Total	250,272	6,809	1,167,034	493,053	1,249,928	-10,277	22,909	1,153,964	138,315	1,841,632	190,835

-- = 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-22M "Monthly Biodiesel Production Survey", 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 Oxygenate 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 7. PAD District 1 - Daily Average Supply and Disposition of Crude Oil and Petroleum Products, December 2020
(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	75	--	--	445	113	-18	-2	592	24	0
Hydrocarbon Gas Liquids	628	0	10	60	112	--	-33	48	233	561
Natural Gas Liquids	628	0	-7	52	102	--	-30	48	233	524
Ethane	231	--	--	--	-167	--	0	--	52	12
Propane	229	--	12	49	221	--	-21	--	141	391
Normal Butane	74	--	-14	2	69	--	2	33	37	58
Isobutane	29	--	-5	1	-10	--	-2	5	0	13
Natural Gasoline	65	0	--	--	-11	--	-10	11	3	50
Refinery Olefins	--	--	17	8	10	--	-2	--	--	37
Ethylene	--	--	1	--	--	--	--	--	--	1
Propylene	--	--	15	8	10	--	0	--	--	33
Normal Butylene	--	--	1	--	--	--	-2	--	--	3
Isobutylene	--	--	1	--	--	--	0	--	--	1
Other Liquids	--	17	--	447	1,924	128	21	2,470	3	22
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	--	17	--	9	331	-34	15	306	2	0
Hydrogen	--	--	--	--	--	3	--	3	--	0
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol)	--	17	--	9	331	-37	15	303	2	0
Fuel Ethanol ⁶	--	12	--	--	313	-16	17	290	2	0
Renewable Fuels Except Fuel Ethanol	--	5	--	9	17	-21	-2	13	0	0
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	--	--	37	-1	--	-15	28	1	22
Motor Gasoline Blend Comp. (MGBC) ⁶	--	--	--	402	1,594	161	21	2,136	0	0
Reformulated	--	--	--	206	252	54	-2	513	0	0
Conventional	--	--	--	196	1,342	107	23	1,623	0	0
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--
Finished Petroleum Products	--	--	3,141	601	1,245	-124	26	--	93	4,745
Finished Motor Gasoline	--	--	2,791	71	164	-145	20	--	1	2,861
Reformulated	--	--	1,068	--	--	-84	0	--	--	984
Conventional	--	--	1,723	71	164	-61	20	--	1	1,876
Finished Aviation Gasoline	--	--	--	0	3	--	-1	--	--	5
Kerosene-Type Jet Fuel	--	--	42	43	306	--	30	--	5	356
Kerosene	--	--	2	--	9	--	-1	--	2	10
Distillate Fuel Oil ⁶	--	--	193	429	696	21	-33	--	12	1,361
15 ppm sulfur and under	--	--	192	429	668	21	-24	--	10	1,324
Greater than 15 ppm to 500 ppm sulfur	--	--	2	--	--	--	-3	--	--	5
Greater than 500 ppm sulfur	--	--	-1	--	28	--	-7	--	2	31
Residual Fuel Oil	--	--	28	30	12	--	-22	--	2	90
Less than 0.31 percent sulfur	--	--	-1	--	--	--	1	--	NA	NA
0.31 to 1.00 percent sulfur	--	--	23	--	10	--	1	--	NA	NA
Greater than 1.00 percent sulfur	--	--	5	30	2	--	-24	--	NA	NA
Petrochemical Feedstocks	--	--	--	0	0	--	--	--	--	0
Naphtha for Petro. Feed. Use	--	--	--	0	0	--	--	--	--	0
Other Oils for Petro. Feed. Use	--	--	--	0	0	--	--	--	--	0
Special Naphthas	--	--	0	0	--	--	0	--	--	1
Lubricants	--	--	9	4	20	--	6	--	5	22
Waxes	--	--	0	2	--	--	0	--	2	-1
Petroleum Coke	--	--	19	0	5	--	--	--	62	-38
Marketable	--	--	6	0	5	--	--	--	62	-50
Catalyst	--	--	12	--	--	--	--	--	--	12
Asphalt and Road Oil	--	--	30	20	30	--	27	--	1	53
Still Gas	--	--	25	--	--	--	--	--	--	25
Miscellaneous Products	--	--	2	--	--	--	0	--	1	2
Total	703	17	3,151	1,553	3,394	-15	12	3,111	352	5,328

-- = 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-22M "Monthly Biodiesel Production Survey", 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 Oxygenate 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 8. PAD District 1 - Year-to-Date Daily Average Supply and Disposition of Crude Oil and Petroleum Products, January-December 2020
(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	70	--	--	425	167	-32	1	604	26	0
Hydrocarbon Gas Liquids	613	0	19	39	62	--	7	35	259	431
Natural Gas Liquids	613	0	6	31	51	--	7	35	259	399
Ethane	233	--	--	--	-167	--	1	--	56	9
Propane	219	--	13	28	188	--	4	--	149	295
Normal Butane	70	--	-4	1	48	--	1	20	52	42
Isobutane	29	--	-3	2	-8	--	0	7	0	12
Natural Gasoline	63	0	--	--	-10	--	0	8	3	40
Refinery Olefins	--	--	13	8	11	--	0	--	--	32
Ethylene	--	--	0	--	--	--	--	--	--	0
Propylene	--	--	13	8	11	--	0	--	--	32
Normal Butylene	--	--	-1	--	--	--	0	--	--	-1
Isobutylene	--	--	1	--	--	--	0	--	--	1
Other Liquids	--	19	--	481	1,881	144	6	2,514	7	-2
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	--	19	--	6	289	-6	0	304	5	0
Hydrogen	--	--	--	--	--	3	--	3	--	0
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol)	--	19	--	6	289	-9	0	300	5	0
Fuel Ethanol ⁶	--	14	--	--	281	-2	0	290	4	0
Renewable Fuels Except Fuel Ethanol	--	5	--	6	8	-7	0	11	1	0
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	--	--	69	2	--	-2	74	1	-2
Motor Gasoline Blend Comp. (MGBC) ⁶	--	0	--	406	1,590	150	8	2,136	1	0
Reformulated	--	--	--	170	254	82	2	504	0	0
Conventional	--	0	--	236	1,336	68	6	1,632	1	0
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--
Finished Petroleum Products	--	--	3,169	403	1,305	-141	49	--	85	4,602
Finished Motor Gasoline	--	--	2,807	86	118	-148	0	--	5	2,858
Reformulated	--	--	1,061	--	--	-84	0	--	--	977
Conventional	--	--	1,746	86	118	-64	0	--	5	1,882
Finished Aviation Gasoline	--	--	--	0	2	--	0	--	--	2
Kerosene-Type Jet Fuel	--	--	32	47	270	--	4	--	5	340
Kerosene	--	--	3	1	5	--	0	--	1	7
Distillate Fuel Oil ⁶	--	--	199	188	838	7	43	--	26	1,163
15 ppm sulfur and under	--	--	200	184	806	7	45	--	17	1,135
Greater than 15 ppm to 500 ppm sulfur	--	--	3	3	3	--	0	--	7	2
Greater than 500 ppm sulfur	--	--	-4	1	29	--	-2	--	2	26
Residual Fuel Oil	--	--	31	45	4	--	1	--	10	68
Less than 0.31 percent sulfur	--	--	-1	3	3	--	-2	--	NA	NA
0.31 to 1.00 percent sulfur	--	--	24	19	0	--	1	--	NA	NA
Greater than 1.00 percent sulfur	--	--	7	23	0	--	2	--	NA	NA
Petrochemical Feedstocks	--	--	0	2	1	--	0	--	--	3
Naphtha for Petro. Feed. Use	--	--	0	2	1	--	0	--	--	3
Other Oils for Petro. Feed. Use	--	--	--	0	--	--	--	--	--	0
Special Naphthas	--	--	0	0	--	--	0	--	--	0
Lubricants	--	--	11	4	17	--	-1	--	6	27
Waxes	--	--	0	2	--	--	0	--	2	0
Petroleum Coke	--	--	22	0	15	--	--	--	26	11
Marketable	--	--	9	0	15	--	--	--	26	-2
Catalyst	--	--	13	--	--	--	--	--	--	13
Asphalt and Road Oil	--	--	33	27	33	--	2	--	2	89
Still Gas	--	--	29	--	--	--	--	--	--	29
Miscellaneous Products	--	--	3	0	1	--	0	--	0	3
Total	684	19	3,189	1,347	3,415	-28	63	3,153	378	5,032

-- = 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-22M "Monthly Biodiesel Production Survey", 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 Oxygenate 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 9. PAD District 2 - Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, December 2020
(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	55,253	--	--	87,901	-30,117	-3,695	-1,189	106,235	4,296	0	147,159
Hydrocarbon Gas Liquids	31,606	-601	453	2,044	-16,917	--	-9,069	2,995	5,518	17,141	47,150
Natural Gas Liquids	31,606	-601	-857	1,845	-15,979	--	-9,033	2,995	5,518	16,534	46,723
Ethane	10,663	--	--	--	-3,819	--	-361	--	2,869	4,336	5,815
Propane	11,460	--	2,090	1,222	-12,005	--	-5,865	--	131	8,501	19,981
Normal Butane	4,060	--	-2,782	559	-4,837	--	-3,156	1,062	111	-1,017	7,913
Isobutane	1,814	--	-165	59	286	--	99	1,308	2	585	1,889
Natural Gasoline	3,609	-601	--	5	4,396	--	250	625	2,405	4,129	11,125
Refinery Olefins	--	--	1,310	199	-938	--	-36	--	--	607	427
Ethylene	--	--	--	--	--	--	--	--	--	--	--
Propylene	--	--	1,361	147	-938	--	-23	--	--	593	381
Normal Butylene	--	--	-51	52	--	--	-13	--	--	14	46
Isobutylene	--	--	--	--	--	--	0	--	--	0	0
Other Liquids	--	31,411	--	423	-16,782	-4,053	-878	11,582	1,710	-1,414	65,862
Hydrogen/Oxygenates/Renewables/ Other Hydrocarbons	--	31,411	--	56	-20,280	-2,096	415	8,193	484	0	10,826
Hydrogen	--	--	--	--	--	1,166	--	1,166	--	0	--
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol)	--	31,411	--	56	-20,280	-3,282	415	7,007	484	0	10,813
Fuel Ethanol	--	28,689	--	--	-18,721	-2,320	492	6,700	457	0	9,734
Renewable Fuels Except Fuel Ethanol	--	2,722	--	56	-1,559	-962	-77	307	28	0	1,079
Other Hydrocarbons	--	--	--	--	--	20	0	20	--	0	13
Unfinished Oils	--	--	--	36	-566	--	64	-360	1,180	-1,414	11,514
Motor Gasoline Blend.Comp. (MGBC)	--	0	--	331	4,064	-1,957	-1,357	3,749	46	0	43,522
Reformulated	--	0	--	--	888	-330	-679	1,237	--	0	5,179
Conventional	--	--	--	331	3,176	-1,627	-678	2,512	46	0	38,343
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--	--
Finished Petroleum Products	--	38	127,270	1,216	984	5,239	1,927	--	797	132,022	55,755
Finished Motor Gasoline	--	38	70,404	--	-753	4,277	-366	--	189	74,143	7,356
Reformulated	--	--	9,537	--	--	384	--	--	--	9,921	--
Conventional	--	38	60,867	--	-753	3,892	-366	--	189	64,222	7,356
Finished Aviation Gasoline	--	--	33	3	4	--	11	--	--	29	181
Kerosene-Type Jet Fuel	--	--	6,240	--	1,075	--	-221	--	28	7,508	6,542
Kerosene	--	--	249	--	--	--	-2	--	1	250	198
Distillate Fuel Oil	--	--	34,186	177	2,309	962	1,639	--	84	35,911	28,024
15 ppm sulfur and under	--	--	34,097	170	2,218	962	1,654	--	0	35,793	27,426
Greater than 15 ppm to 500 ppm sulfur	--	--	139	1	91	--	25	--	21	185	302
Greater than 500 ppm sulfur	--	--	-50	6	--	--	-40	--	62	-66	296
Residual Fuel Oil	--	--	889	122	-497	--	-179	--	135	558	1,129
Less than 0.31 percent sulfur	--	--	69	--	--	--	9	--	NA	NA	73
0.31 to 1.00 percent sulfur	--	--	349	19	-289	--	-91	--	NA	NA	236
Greater than 1.00 percent sulfur	--	--	471	103	-208	--	-97	--	NA	NA	820
Petrochemical Feedstocks	--	--	974	148	-72	--	43	--	--	1,007	604
Naphtha for Petro. Feed. Use	--	--	574	77	-49	--	20	--	--	582	482
Other Oils for Petro. Feed. Use	--	--	400	71	-23	--	23	--	--	425	122
Special Naphthas	--	--	-4	6	15	--	19	--	--	-2	151
Lubricants	--	--	258	162	266	--	65	--	170	451	631
Waxes	--	--	31	13	--	--	-10	--	35	19	40
Petroleum Coke	--	--	5,441	53	-454	--	-38	--	147	4,931	1,635
Marketable	--	--	4,119	53	-454	--	-38	--	147	3,609	1,635
Catalyst	--	--	1,322	--	--	--	--	--	--	1,322	--
Asphalt and Road Oil	--	--	4,213	532	-922	--	967	--	8	2,848	9,157
Still Gas	--	--	3,877	--	--	--	--	--	--	3,877	--
Miscellaneous Products	--	--	479	--	13	--	-1	--	1	492	107
Total	86,859	30,848	127,723	91,584	-62,832	-2,509	-9,209	120,812	12,322	147,749	315,926

-- = 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.

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Table 10. PAD District 2 - Year-to-Date Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, January-December 2020
(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	673,015	--	--	966,340	-268,375	-27,817	20,570	1,263,870	58,724	0	147,159
Hydrocarbon Gas Liquids	367,482	-6,298	36,165	22,364	-172,236	--	-135	31,607	105,039	110,966	47,150
Natural Gas Liquids	367,482	-6,298	21,065	19,963	-163,070	--	-258	31,607	105,039	102,754	46,723
Ethane	125,343	--	--	--	-41,408	--	400	--	34,200	49,335	5,815
Propane	131,818	--	25,671	15,530	-117,962	--	-35	--	2,069	53,023	19,981
Normal Butane	44,425	--	-2,294	2,830	-44,516	--	-1,232	7,892	2,252	-8,467	7,913
Isobutane	23,177	--	-2,312	1,535	130	--	-8	16,508	12	6,018	1,889
Natural Gasoline	42,719	-6,298	--	68	40,686	--	617	7,207	66,506	2,845	11,125
Refinery Olefins	--	--	15,100	2,401	-9,166	--	123	--	--	8,212	427
Ethylene	--	--	--	--	--	--	--	--	--	--	--
Propylene	--	--	14,490	1,841	-9,166	--	97	--	--	7,068	381
Normal Butylene	--	--	610	560	--	--	26	--	--	1,144	46
Isobutylene	--	--	--	--	--	--	0	--	--	0	0
Other Liquids	--	344,764	--	4,213	-152,552	-34,050	-4,051	153,644	24,887	-12,106	65,862
Hydrogen/Oxygenates/Renewables/ Other Hydrocarbons	--	344,777	--	1,121	-220,295	-15,877	2,013	99,106	8,607	0	10,826
Hydrogen	--	--	--	--	--	13,704	--	13,704	--	0	--
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol)	--	344,777	--	1,121	-220,295	-29,788	2,010	85,198	8,607	0	10,813
Fuel Ethanol	--	313,756	--	--	-209,358	-15,854	1,870	80,062	6,611	0	9,734
Renewable Fuels Except Fuel Ethanol	--	31,021	--	1,121	-10,937	-13,933	140	5,136	1,995	0	1,079
Other Hydrocarbons	--	--	--	--	--	207	3	204	--	0	13
Unfinished Oils	--	--	--	630	-3,502	--	-1,907	-3,926	15,067	-12,106	11,514
Motor Gasoline Blend.Comp. (MGBC)	--	-13	--	2,462	71,245	-18,173	-4,157	58,464	1,214	0	43,522
Reformulated	--	-5	--	--	17,370	-5,701	-424	12,087	1	0	5,179
Conventional	--	-8	--	2,462	53,875	-12,472	-3,733	46,377	1,213	0	38,343
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--	--
Finished Petroleum Products	--	731	1,489,772	12,970	17,739	47,962	-4,729	--	13,334	1,560,569	55,755
Finished Motor Gasoline	--	731	836,905	37	-2,604	34,028	35	--	2,540	866,522	7,356
Reformulated	--	--	109,819	--	--	7,507	--	--	--	117,326	--
Conventional	--	731	727,086	37	-2,604	26,521	35	--	2,540	749,196	7,356
Finished Aviation Gasoline	--	--	277	43	174	--	30	--	--	464	181
Kerosene-Type Jet Fuel	--	--	65,234	15	14,104	--	-225	--	874	78,704	6,542
Kerosene	--	--	1,525	--	25	--	-124	--	11	1,663	198
Distillate Fuel Oil	--	--	390,728	2,466	31,351	13,934	-3,429	--	1,653	440,255	28,024
15 ppm sulfur and under	--	--	391,067	2,309	30,250	13,934	-3,033	--	10	440,583	27,426
Greater than 15 ppm to 500 ppm sulfur	--	--	1,277	1	989	--	-178	--	184	2,261	302
Greater than 500 ppm sulfur	--	--	-1,616	156	112	--	-218	--	1,460	-2,590	296
Residual Fuel Oil	--	--	11,136	1,054	-7,109	--	-118	--	2,015	3,184	1,129
Less than 0.31 percent sulfur	--	--	766	--	-466	--	-124	--	NA	NA	73
0.31 to 1.00 percent sulfur	--	--	4,259	435	-3,869	--	-13	--	NA	NA	236
Greater than 1.00 percent sulfur	--	--	6,111	619	-2,774	--	19	--	NA	NA	820
Petrochemical Feedstocks	--	--	9,907	1,816	-839	--	84	--	--	10,800	604
Naphtha for Petro. Feed. Use	--	--	5,699	987	-780	--	58	--	--	5,848	482
Other Oils for Petro. Feed. Use	--	--	4,208	829	-59	--	26	--	--	4,952	122
Special Naphthas	--	--	-42	76	205	--	-27	--	--	266	151
Lubricants	--	--	2,230	1,644	2,191	--	-59	--	2,147	3,977	631
Waxes	--	--	340	158	--	--	-1	--	323	176	40
Petroleum Coke	--	--	64,279	323	-11,236	--	-441	--	2,657	51,149	1,635
Marketable	--	--	48,637	323	-11,236	--	-441	--	2,657	35,507	1,635
Catalyst	--	--	15,642	--	--	--	--	--	--	15,642	--
Asphalt and Road Oil	--	--	53,724	5,338	-8,125	--	-460	--	1,081	50,316	9,157
Still Gas	--	--	48,003	--	--	--	--	--	--	48,003	--
Miscellaneous Products	--	--	5,526	--	-398	--	6	--	32	5,090	107
Total	1,040,497	339,197	1,525,937	1,005,887	-575,425	-13,905	11,655	1,449,121	201,983	1,659,429	315,926

-- = 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-22M "Monthly Biodiesel Production Survey", 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 Oxygenate 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 11. PAD District 2 - Daily Average Supply and Disposition of Crude Oil and Petroleum Products, December 2020
(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	1,782	--	--	2,836	-972	-119	-38	3,427	139	0
Hydrocarbon Gas Liquids	1,020	-19	15	66	-546	--	-293	97	178	553
Natural Gas Liquids	1,020	-19	-28	60	-515	--	-291	97	178	533
Ethane	344	--	--	--	-123	--	-12	--	93	140
Propane	370	--	67	39	-387	--	-189	--	4	274
Normal Butane	131	--	-90	18	-156	--	-102	34	4	-33
Isobutane	59	--	-5	2	9	--	3	42	0	19
Natural Gasoline	116	-19	--	0	142	--	8	20	78	133
Refinery Olefins	--	--	42	6	-30	--	-1	--	--	20
Ethylene	--	--	--	--	--	--	--	--	--	--
Propylene	--	--	44	5	-30	--	-1	--	--	19
Normal Butylene	--	--	-2	2	--	--	0	--	--	0
Isobutylene	--	--	--	--	--	--	0	--	--	0
Other Liquids	--	1,013	--	14	-541	-131	-28	374	55	-46
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	--	1,013	--	2	-654	-68	13	264	16	0
Hydrogen	--	--	--	--	--	38	--	38	--	0
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol)	--	1,013	--	2	-654	-106	13	226	16	0
Fuel Ethanol	--	925	--	--	-604	-75	16	216	15	0
Renewable Fuels Except Fuel Ethanol	--	88	--	2	-50	-31	-2	10	1	0
Other Hydrocarbons	--	--	--	--	--	1	0	1	--	0
Unfinished Oils	--	--	--	1	-18	--	2	-12	38	-46
Motor Gasoline Blend Comp. (MGBC)	--	0	--	11	131	-63	-44	121	1	0
Reformulated	--	0	--	--	29	-11	-22	40	--	0
Conventional	--	--	--	11	102	-52	-22	81	1	0
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--
Finished Petroleum Products	--	1	4,105	39	32	169	62	--	26	4,259
Finished Motor Gasoline	--	1	2,271	--	-24	138	-12	--	6	2,392
Reformulated	--	--	308	--	--	12	--	--	--	320
Conventional	--	1	1,963	--	-24	126	-12	--	6	2,072
Finished Aviation Gasoline	--	--	1	0	0	--	0	--	--	1
Kerosene-Type Jet Fuel	--	--	201	--	35	--	-7	--	1	242
Kerosene	--	--	8	--	--	--	0	--	0	8
Distillate Fuel Oil	--	--	1,103	6	74	31	53	--	3	1,158
15 ppm sulfur and under	--	--	1,100	5	72	31	53	--	0	1,155
Greater than 15 ppm to 500 ppm sulfur	--	--	4	0	3	--	1	--	1	6
Greater than 500 ppm sulfur	--	--	-2	0	--	--	-1	--	2	-2
Residual Fuel Oil	--	--	29	4	-16	--	-6	--	4	18
Less than 0.31 percent sulfur	--	--	2	--	--	--	0	--	NA	NA
0.31 to 1.00 percent sulfur	--	--	11	1	-9	--	-3	--	NA	NA
Greater than 1.00 percent sulfur	--	--	15	3	-7	--	-3	--	NA	NA
Petrochemical Feedstocks	--	--	31	5	-2	--	1	--	--	32
Naphtha for Petro. Feed. Use	--	--	19	2	-2	--	1	--	--	19
Other Oils for Petro. Feed. Use	--	--	13	2	-1	--	1	--	--	14
Special Naphthas	--	--	0	0	0	--	1	--	--	0
Lubricants	--	--	8	5	9	--	2	--	5	15
Waxes	--	--	1	0	--	--	0	--	1	1
Petroleum Coke	--	--	176	2	-15	--	-1	--	5	159
Marketable	--	--	133	2	-15	--	-1	--	5	116
Catalyst	--	--	43	--	--	--	--	--	--	43
Asphalt and Road Oil	--	--	136	17	-30	--	31	--	0	92
Still Gas	--	--	125	--	--	--	--	--	--	125
Miscellaneous Products	--	--	15	--	0	--	0	--	0	16
Total	2,802	995	4,120	2,954	-2,027	-81	-297	3,897	397	4,766

-- = 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-22M "Monthly Biodiesel Production Survey", 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 Oxygenate 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 12. PAD District 2 - Year-to-Date Daily Average Supply and Disposition of Crude Oil and Petroleum Products, January-December 2020
(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	1,839	--	--	2,640	-733	-76	56	3,453	160	0
Hydrocarbon Gas Liquids	1,004	-17	99	61	-471	--	0	86	287	303
Natural Gas Liquids	1,004	-17	58	55	-446	--	-1	86	287	281
Ethane	342	--	--	--	-113	--	1	--	93	135
Propane	360	--	70	42	-322	--	0	--	6	145
Normal Butane	121	--	-6	8	-122	--	-3	22	6	-23
Isobutane	63	--	-6	4	0	--	0	45	0	16
Natural Gasoline	117	-17	--	0	111	--	2	20	182	8
Refinery Olefins	--	--	41	7	-25	--	0	--	--	22
Ethylene	--	--	--	--	--	--	--	--	--	--
Propylene	--	--	40	5	-25	--	0	--	--	19
Normal Butylene	--	--	2	2	--	--	0	--	--	3
Isobutylene	--	--	--	--	--	--	0	--	--	0
Other Liquids	--	942	--	12	-417	-93	-11	420	68	-33
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	--	942	--	3	-602	-43	5	271	24	0
Hydrogen	--	--	--	--	--	37	--	37	--	0
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol)	--	942	--	3	-602	-81	5	233	24	0
Fuel Ethanol	--	857	--	--	-572	-43	5	219	18	0
Renewable Fuels Except Fuel Ethanol	--	85	--	3	-30	-38	0	14	5	0
Other Hydrocarbons	--	--	--	--	--	1	0	1	--	0
Unfinished Oils	--	--	--	2	-10	--	-5	-11	41	-33
Motor Gasoline Blend Comp. (MGBC)	--	0	--	7	195	-50	-11	160	3	0
Reformulated	--	0	--	--	47	-16	-1	33	0	0
Conventional	--	0	--	7	147	-34	-10	127	3	0
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--
Finished Petroleum Products	--	2	4,070	35	48	131	-13	--	36	4,264
Finished Motor Gasoline	--	2	2,287	0	-7	93	0	--	7	2,368
Reformulated	--	--	300	--	--	21	--	--	--	321
Conventional	--	2	1,987	0	-7	72	0	--	7	2,047
Finished Aviation Gasoline	--	--	1	0	0	--	0	--	--	1
Kerosene-Type Jet Fuel	--	--	178	0	39	--	-1	--	2	215
Kerosene	--	--	4	--	0	--	0	--	0	5
Distillate Fuel Oil	--	--	1,068	7	86	38	-9	--	5	1,203
15 ppm sulfur and under	--	--	1,068	6	83	38	-8	--	0	1,204
Greater than 15 ppm to 500 ppm sulfur	--	--	3	0	3	--	0	--	1	6
Greater than 500 ppm sulfur	--	--	-4	0	0	--	-1	--	4	-7
Residual Fuel Oil	--	--	30	3	-19	--	0	--	6	9
Less than 0.31 percent sulfur	--	--	2	--	-1	--	0	--	NA	NA
0.31 to 1.00 percent sulfur	--	--	12	1	-11	--	0	--	NA	NA
Greater than 1.00 percent sulfur	--	--	17	2	-8	--	0	--	NA	NA
Petrochemical Feedstocks	--	--	27	5	-2	--	0	--	--	30
Naphtha for Petro. Feed. Use	--	--	16	3	-2	--	0	--	--	16
Other Oils for Petro. Feed. Use	--	--	11	2	0	--	0	--	--	14
Special Naphthas	--	--	0	0	1	--	0	--	--	1
Lubricants	--	--	6	4	6	--	0	--	6	11
Waxes	--	--	1	0	--	--	0	--	1	0
Petroleum Coke	--	--	176	1	-31	--	-1	--	7	140
Marketable	--	--	133	1	-31	--	-1	--	7	97
Catalyst	--	--	43	--	--	--	--	--	--	43
Asphalt and Road Oil	--	--	147	15	-22	--	-1	--	3	137
Still Gas	--	--	131	--	--	--	--	--	--	131
Miscellaneous Products	--	--	15	--	-1	--	0	--	0	14
Total	2,843	927	4,169	2,748	-1,572	-38	32	3,959	552	4,534

-- = 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-22M "Monthly Biodiesel Production Survey", 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 Oxygenate 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 13. PAD District 3 - Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, December 2020
(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 Oil⁶	235,931	--	--	37,041	40,026	13,460	-12,249	240,269	98,438	0	896,924
Hydrocarbon Gas Liquids	89,760	-11	10,688	--	22,785	--	-25,726	10,050	54,669	84,229	158,938
Natural Gas Liquids	89,760	-11	3,857	--	22,143	--	-25,891	10,050	54,669	76,921	157,625
Ethane	37,854	--	182	--	12,232	--	-6,906	--	3,533	53,641	61,715
Propane	28,473	--	4,681	--	8,397	--	-12,380	--	43,635	10,296	37,333
Normal Butane	5,531	--	-513	--	3,384	--	-3,052	5,127	6,932	-605	28,678
Isobutane	9,236	--	-493	--	736	--	-15	3,371	254	5,869	9,425
Natural Gasoline	8,666	-11	--	--	-2,606	--	-3,538	1,552	316	7,719	20,474
Refinery Olefins	--	--	6,831	--	642	--	165	--	--	7,308	1,313
Ethylene	--	--	4	--	--	--	0	--	--	4	0
Propylene	--	--	7,098	--	642	--	254	--	--	7,486	950
Normal Butylene	--	--	-230	--	--	--	-85	--	--	-145	363
Isobutylene	--	--	-41	--	--	--	-4	--	--	-37	0
Other Liquids	--	1,128	--	10,473	-53,616	10,689	831	-47,735	11,746	3,832	124,578
Hydrogen/Oxygenates/Renewables/ Other Hydrocarbons	--	1,128	--	--	4,655	4,274	205	7,990	1,863	0	5,427
Hydrogen	--	--	--	--	--	3,501	--	3,501	--	0	--
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol)	--	1,128	--	--	4,655	773	205	4,489	1,863	0	5,427
Fuel Ethanol	--	462	--	--	4,558	1,321	320	4,182	1,839	0	4,316
Renewable Fuels Except Fuel Ethanol	--	666	--	--	97	-548	-115	307	23	0	1,111
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	--	--	9,512	587	--	-1,282	-571	8,113	3,839	43,664
Motor Gasoline Blend.Comp. (MGBC)	--	--	--	961	-58,858	6,415	1,907	-55,160	1,771	0	75,456
Reformulated	--	--	--	--	-10,845	4,217	1	-6,631	2	0	10,836
Conventional	--	--	--	961	-48,013	2,198	1,906	-48,529	1,769	0	64,620
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	1	6	--	-7	31
Finished Petroleum Products	--	--	207,192	3,399	-42,237	-6,952	19	--	78,398	82,985	110,932
Finished Motor Gasoline	--	--	67,964	338	-4,165	-7,736	-352	--	27,045	29,708	8,257
Reformulated	--	--	12,231	--	--	-5,307	--	--	--	6,924	--
Conventional	--	--	55,733	338	-4,165	-2,429	-352	--	27,045	22,783	8,257
Finished Aviation Gasoline	--	--	226	--	-105	--	21	--	--	100	423
Kerosene-Type Jet Fuel	--	--	17,755	--	-11,114	--	-445	--	2,202	4,884	12,424
Kerosene	--	--	294	--	-278	--	61	--	220	-265	243
Distillate Fuel Oil	--	--	80,952	187	-25,670	784	1,048	--	34,976	20,229	53,105
15 ppm sulfur and under	--	--	77,421	187	-24,718	784	938	--	30,727	22,009	47,431
Greater than 15 ppm to 500 ppm sulfur	--	--	1,100	--	-91	--	178	--	1,778	-947	1,332
Greater than 500 ppm sulfur	--	--	2,431	--	-861	--	-68	--	2,471	-833	4,342
Residual Fuel Oil	--	--	737	1,702	132	--	-301	--	1,737	1,135	16,167
Less than 0.31 percent sulfur	--	--	221	--	--	--	-258	--	NA	NA	1,211
0.31 to 1.00 percent sulfur	--	--	395	65	-6	--	21	--	NA	NA	3,810
Greater than 1.00 percent sulfur	--	--	121	1,637	138	--	-64	--	NA	NA	11,146
Petrochemical Feedstocks	--	--	8,625	171	-82	--	89	--	--	8,625	2,282
Naphtha for Petro. Feed. Use	--	--	5,322	134	-105	--	117	--	--	5,234	1,592
Other Oils for Petro. Feed. Use	--	--	3,303	37	23	--	-28	--	--	3,391	690
Special Naphthas	--	--	921	199	-15	--	-80	--	--	1,185	819
Lubricants	--	--	4,235	682	-882	--	-639	--	2,613	2,061	7,032
Waxes	--	--	136	47	--	--	14	--	62	107	254
Petroleum Coke	--	--	11,907	69	337	--	510	--	9,094	2,709	4,656
Marketable	--	--	8,947	69	337	--	510	--	9,094	-251	4,656
Catalyst	--	--	2,960	--	--	--	--	--	--	2,960	--
Asphalt and Road Oil	--	--	2,092	4	-382	--	143	--	432	1,139	4,967
Still Gas	--	--	9,923	--	--	--	--	--	--	9,923	--
Miscellaneous Products	--	--	1,425	--	-13	--	-50	--	18	1,444	303
Total	325,691	1,117	217,880	50,913	-33,043	17,197	-37,125	202,584	243,251	171,046	1,291,372

-- = 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-22M "Monthly Biodiesel Production Survey", 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 Oxygenate 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 14. PAD District 3 - Year-to-Date Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, January-December 2020
(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 Oil⁶	2,821,782	--	--	555,431	373,699	172,237	40,852	2,806,351	1,075,946	0	896,924
Hydrocarbon Gas Liquids	1,096,054	-122	143,034	195	267,388	--	12,076	108,771	546,585	839,117	158,938
Natural Gas Liquids	1,096,054	-122	70,478	35	262,229	--	13,022	108,771	546,585	760,296	157,625
Ethane	474,428	--	2,236	--	145,754	--	11,026	--	48,202	563,190	61,715
Propane	333,998	--	52,582	35	85,963	--	-12,339	--	394,779	90,138	37,333
Normal Butane	68,414	--	20,184	--	38,413	--	2,542	39,397	100,604	-15,532	28,678
Isobutane	108,287	--	-4,524	--	10,154	--	946	41,673	1,788	69,510	9,425
Natural Gasoline	110,927	-122	--	--	-18,055	--	10,847	27,701	1,212	52,990	20,474
Refinery Olefins	--	--	72,556	160	5,159	--	-946	--	--	78,821	1,313
Ethylene	--	--	78	--	--	--	0	--	--	78	--
Propylene	--	--	75,476	--	5,159	--	-274	--	--	80,909	950
Normal Butylene	--	--	-2,642	160	--	--	-667	--	--	-1,815	363
Isobutylene	--	--	-356	--	--	--	-5	--	--	-351	0
Other Liquids	--	12,808	--	172,253	-644,929	81,502	-12,640	-521,560	120,411	35,422	124,578
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	--	12,808	--	349	60,684	42,866	-124	94,871	21,960	0	5,427
Hydrogen	--	--	--	--	--	42,340	--	42,340	--	0	--
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol)	--	12,808	--	273	60,684	602	-124	52,531	21,960	0	5,427
Fuel Ethanol	--	5,525	--	--	59,918	5,519	353	49,147	21,461	0	4,316
Renewable Fuels Except Fuel Ethanol	--	7,283	--	273	766	-4,916	-477	3,384	498	0	1,111
Other Hydrocarbons	--	--	--	76	--	-76	--	--	--	0	--
Unfinished Oils	--	--	--	157,027	3,056	--	-5,572	49,958	80,095	35,602	43,664
Motor Gasoline Blend.Comp. (MGBC)	--	--	--	14,877	-708,669	38,636	-6,933	-666,580	18,357	0	75,456
Reformulated	--	--	--	--	-134,072	57,612	-151	-76,858	549	0	10,836
Conventional	--	--	--	14,877	-574,597	-18,976	-6,782	-589,722	17,808	0	64,620
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	-11	191	--	-180	31
Finished Petroleum Products	--	--	2,436,876	64,563	-509,818	-36,744	570	--	887,267	1,067,040	110,932
Finished Motor Gasoline	--	--	747,972	932	-38,571	-44,154	-1,142	--	244,530	422,790	8,257
Reformulated	--	--	143,977	--	--	-56,162	--	--	--	87,815	--
Conventional	--	--	603,995	932	-38,571	12,008	-1,142	--	244,530	334,976	8,257
Finished Aviation Gasoline	--	--	2,866	127	-1,001	--	-137	--	--	2,129	423
Kerosene-Type Jet Fuel	--	--	192,244	2,511	-119,570	--	-1,953	--	27,091	50,047	12,424
Kerosene	--	--	1,805	--	-1,828	--	-40	--	1,312	-1,295	243
Distillate Fuel Oil	--	--	1,005,436	234	-350,625	7,410	8,748	--	398,122	255,585	53,105
15 ppm sulfur and under	--	--	938,389	234	-337,790	7,410	10,895	--	341,867	255,481	47,431
Greater than 15 ppm to 500 ppm sulfur	--	--	29,915	--	-1,991	--	-745	--	29,186	-517	1,332
Greater than 500 ppm sulfur	--	--	37,132	--	-10,844	--	-1,402	--	27,069	621	4,342
Residual Fuel Oil	--	--	19,588	39,354	5,781	--	-1,442	--	38,793	27,372	16,167
Less than 0.31 percent sulfur	--	--	8,066	1,423	-652	--	-422	--	NA	NA	1,211
0.31 to 1.00 percent sulfur	--	--	5,910	5,115	3,782	--	1,034	--	NA	NA	3,810
Greater than 1.00 percent sulfur	--	--	5,612	32,816	2,651	--	-2,054	--	NA	NA	11,146
Petrochemical Feedstocks	--	--	87,921	3,731	485	--	-299	--	--	92,436	2,282
Naphtha for Petro. Feed. Use	--	--	56,272	3,315	426	--	-130	--	--	60,143	1,592
Other Oils for Petro. Feed. Use	--	--	31,649	416	59	--	-169	--	--	32,293	690
Special Naphthas	--	--	11,113	4,557	-205	--	-151	--	--	15,616	819
Lubricants	--	--	44,033	9,825	-8,396	--	-2,664	--	26,793	21,333	7,032
Waxes	--	--	1,156	382	--	--	-22	--	449	1,111	254
Petroleum Coke	--	--	155,908	2,783	7,391	--	-399	--	143,691	22,790	4,656
Marketable	--	--	120,513	2,783	7,391	--	-399	--	143,691	-12,605	4,656
Catalyst	--	--	35,395	--	--	--	--	--	--	35,395	--
Asphalt and Road Oil	--	--	28,072	127	-3,236	--	177	--	6,217	18,570	4,967
Still Gas	--	--	121,058	--	--	--	--	--	--	121,058	--
Miscellaneous Products	--	--	17,704	--	-43	--	-106	--	270	17,497	303
Total	3,917,836	12,686	2,579,910	792,442	-513,661	216,995	40,858	2,393,562	2,630,210	1,941,579	1,291,372

-- = 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-22M "Monthly Biodiesel Production Survey", 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 Oxygenate 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 15. PAD District 3 - Daily Average Supply and Disposition of Crude Oil and Petroleum Products, December 2020
(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	7,611	--	--	1,195	1,291	434	-395	7,751	3,175	0
Hydrocarbon Gas Liquids	2,895	0	345	--	735	--	-830	324	1,764	2,717
Natural Gas Liquids	2,895	0	124	--	714	--	-835	324	1,764	2,481
Ethane	1,221	--	6	--	395	--	-223	--	114	1,730
Propane	918	--	151	--	271	--	-399	--	1,408	332
Normal Butane	178	--	-17	--	109	--	-98	165	224	-20
Isobutane	298	--	-16	--	24	--	0	109	8	189
Natural Gasoline	280	0	--	--	-84	--	-114	50	10	249
Refinery Olefins	--	--	220	--	21	--	5	--	--	236
Ethylene	--	--	0	--	--	--	0	--	--	0
Propylene	--	--	229	--	21	--	8	--	--	241
Normal Butylene	--	--	-7	--	--	--	-3	--	--	-5
Isobutylene	--	--	-1	--	--	--	0	--	--	-1
Other Liquids	--	36	--	338	-1,730	345	27	-1,540	379	124
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	--	36	--	--	150	138	7	258	60	0
Hydrogen	--	--	--	--	--	113	--	113	--	0
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol)	--	36	--	--	150	25	7	145	60	0
Fuel Ethanol	--	15	--	--	147	43	10	135	59	0
Renewable Fuels Except Fuel Ethanol	--	21	--	--	3	-18	-4	10	1	0
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	--	--	307	19	--	-41	-18	262	124
Motor Gasoline Blend Comp. (MGBC)	--	--	--	31	-1,899	207	62	-1,779	57	0
Reformulated	--	--	--	--	-350	136	0	-214	0	0
Conventional	--	--	--	31	-1,549	71	61	-1,565	57	0
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	0	0	--	0
Finished Petroleum Products	--	--	6,684	110	-1,362	-224	1	--	2,529	2,677
Finished Motor Gasoline	--	--	2,192	11	-134	-250	-11	--	872	958
Reformulated	--	--	395	--	--	-171	--	--	--	223
Conventional	--	--	1,798	11	-134	-78	-11	--	872	735
Finished Aviation Gasoline	--	--	7	--	-3	--	1	--	--	3
Kerosene-Type Jet Fuel	--	--	573	--	-359	--	-14	--	71	158
Kerosene	--	--	9	--	-9	--	2	--	7	-9
Distillate Fuel Oil	--	--	2,611	6	-828	25	34	--	1,128	653
15 ppm sulfur and under	--	--	2,497	6	-797	25	30	--	991	710
Greater than 15 ppm to 500 ppm sulfur	--	--	35	--	-3	--	6	--	57	-31
Greater than 500 ppm sulfur	--	--	78	--	-28	--	-2	--	80	-27
Residual Fuel Oil	--	--	24	55	4	--	-10	--	56	37
Less than 0.31 percent sulfur	--	--	7	--	--	--	-8	--	NA	NA
0.31 to 1.00 percent sulfur	--	--	13	2	0	--	1	--	NA	NA
Greater than 1.00 percent sulfur	--	--	4	53	4	--	-2	--	NA	NA
Petrochemical Feedstocks	--	--	278	6	-3	--	3	--	--	278
Naphtha for Petro. Feed. Use	--	--	172	4	-3	--	4	--	--	169
Other Oils for Petro. Feed. Use	--	--	107	1	1	--	-1	--	--	109
Special Naphthas	--	--	30	6	0	--	-3	--	--	38
Lubricants	--	--	137	22	-28	--	-21	--	84	66
Waxes	--	--	4	2	--	--	0	--	2	3
Petroleum Coke	--	--	384	2	11	--	16	--	293	87
Marketable	--	--	289	2	11	--	16	--	293	-8
Catalyst	--	--	95	--	--	--	--	--	--	95
Asphalt and Road Oil	--	--	67	0	-12	--	5	--	14	37
Still Gas	--	--	320	--	--	--	--	--	--	320
Miscellaneous Products	--	--	46	--	0	--	-2	--	1	47
Total	10,506	36	7,028	1,642	-1,066	555	-1,198	6,535	7,847	5,518

-- = 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-22M "Monthly Biodiesel Production Survey", 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 Oxygenate 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 16. PAD District 3 - Year-to-Date Daily Average Supply and Disposition of Crude Oil and Petroleum Products, January-December 2020
(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	7,710	--	--	1,518	1,021	471	112	7,668	2,940	0
Hydrocarbon Gas Liquids	2,995	0	391	1	731	--	33	297	1,493	2,293
Natural Gas Liquids	2,995	0	193	0	716	--	36	297	1,493	2,077
Ethane	1,296	--	6	--	398	--	30	--	132	1,539
Propane	913	--	144	0	235	--	-34	--	1,079	246
Normal Butane	187	--	55	--	105	--	7	108	275	-42
Isobutane	296	--	-12	--	28	--	3	114	5	190
Natural Gasoline	303	0	--	--	-49	--	30	76	3	145
Refinery Olefins	--	--	198	0	14	--	-3	--	--	215
Ethylene	--	--	0	--	--	--	0	--	--	0
Propylene	--	--	206	--	14	--	-1	--	--	221
Normal Butylene	--	--	-7	0	--	--	-2	--	--	-5
Isobutylene	--	--	-1	--	--	--	0	--	--	-1
Other Liquids	--	35	--	471	-1,762	223	-35	-1,425	329	97
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	--	35	--	1	166	117	0	259	60	0
Hydrogen	--	--	--	--	--	116	--	116	--	0
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol)	--	35	--	1	166	2	0	144	60	0
Fuel Ethanol	--	15	--	--	164	15	1	134	59	0
Renewable Fuels Except Fuel Ethanol	--	20	--	1	2	-13	-1	9	1	0
Other Hydrocarbons	--	--	--	0	--	0	--	--	--	0
Unfinished Oils	--	--	--	429	8	--	-15	136	219	97
Motor Gasoline Blend Comp. (MGBC)	--	--	--	41	-1,936	106	-19	-1,821	50	0
Reformulated	--	--	--	--	-366	157	0	-210	1	0
Conventional	--	--	--	41	-1,570	-52	-19	-1,611	49	0
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	0	1	--	0
Finished Petroleum Products	--	--	6,658	176	-1,393	-100	2	--	2,424	2,915
Finished Motor Gasoline	--	--	2,044	3	-105	-121	-3	--	668	1,155
Reformulated	--	--	393	--	--	-153	--	--	--	240
Conventional	--	--	1,650	3	-105	33	-3	--	668	915
Finished Aviation Gasoline	--	--	8	0	-3	--	0	--	--	6
Kerosene-Type Jet Fuel	--	--	525	7	-327	--	-5	--	74	137
Kerosene	--	--	5	--	-5	--	0	--	4	-4
Distillate Fuel Oil	--	--	2,747	1	-958	20	24	--	1,088	698
15 ppm sulfur and under	--	--	2,564	1	-923	20	30	--	934	698
Greater than 15 ppm to 500 ppm sulfur	--	--	82	--	-5	--	-2	--	80	-1
Greater than 500 ppm sulfur	--	--	101	--	-30	--	-4	--	74	2
Residual Fuel Oil	--	--	54	108	16	--	-4	--	106	75
Less than 0.31 percent sulfur	--	--	22	4	-2	--	-1	--	NA	NA
0.31 to 1.00 percent sulfur	--	--	16	14	10	--	3	--	NA	NA
Greater than 1.00 percent sulfur	--	--	15	90	7	--	-6	--	NA	NA
Petrochemical Feedstocks	--	--	240	10	1	--	-1	--	--	253
Naphtha for Petro. Feed. Use	--	--	154	9	1	--	0	--	--	164
Other Oils for Petro. Feed. Use	--	--	86	1	0	--	0	--	--	88
Special Naphthas	--	--	30	12	-1	--	0	--	--	43
Lubricants	--	--	120	27	-23	--	-7	--	73	58
Waxes	--	--	3	1	--	--	0	--	1	3
Petroleum Coke	--	--	426	8	20	--	-1	--	393	62
Marketable	--	--	329	8	20	--	-1	--	393	-34
Catalyst	--	--	97	--	--	--	--	--	--	97
Asphalt and Road Oil	--	--	77	0	-9	--	0	--	17	51
Still Gas	--	--	331	--	--	--	--	--	--	331
Miscellaneous Products	--	--	48	--	0	--	0	--	1	48
Total	10,704	35	7,049	2,165	-1,403	593	112	6,540	7,186	5,305

-- = 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-22M "Monthly Biodiesel Production Survey", Forms EIA-810, "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 Oxygenate 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 17. PAD District 4 - Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, December 2020
(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	23,280	--	--	12,396	-17,822	-1,042	-133	16,945	--	0	24,228
Hydrocarbon Gas Liquids	14,077	-5	32	734	-10,915	--	-955	566	90	4,222	6,492
Natural Gas Liquids	14,077	-5	-61	734	-10,915	--	-1,064	566	90	4,238	6,319
Ethane	3,692	--	--	--	-3,250	--	-11	--	--	453	932
Propane	5,294	--	227	516	-3,652	--	-363	--	--	2,748	2,817
Normal Butane	2,069	--	-293	205	-1,781	--	-682	331	--	551	1,362
Isobutane	967	--	5	13	-793	--	-6	140	--	58	436
Natural Gasoline	2,055	-5	--	--	-1,439	--	-2	95	90	428	772
Refinery Olefins	--	--	93	--	--	--	109	--	--	-16	173
Ethylene	--	--	--	--	--	--	--	--	--	--	--
Propylene	--	--	-7	--	--	--	0	--	--	-7	0
Normal Butylene	--	--	100	--	--	--	109	--	--	-9	173
Isobutylene	--	--	--	--	--	--	0	--	--	0	0
Other Liquids	--	292	--	44	935	-1,141	-27	79	21	56	9,634
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	--	292	--	31	525	192	-59	1,077	21	0	427
Hydrogen	--	--	--	--	--	214	--	214	--	0	--
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol)	--	292	--	31	525	-22	-59	863	21	0	427
Fuel Ethanol	--	292	--	--	482	26	-10	788	21	0	416
Renewable Fuels Except Fuel Ethanol	--	--	--	31	43	-48	-49	75	0	0	11
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	--	--	--	--	--	-52	-4	0	56	2,688
Motor Gasoline Blend.Comp. (MGBC)	--	--	--	13	410	-1,333	84	-994	--	0	6,519
Reformulated	--	--	--	--	--	--	--	--	--	--	--
Conventional	--	--	--	13	410	-1,333	84	-994	--	0	6,519
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--	--
Finished Petroleum Products	--	--	18,105	214	-761	1,350	440	--	12	18,457	8,549
Finished Motor Gasoline	--	--	8,450	--	-603	1,307	133	--	--	9,021	2,138
Reformulated	--	--	--	--	--	--	--	--	--	--	--
Conventional	--	--	8,450	--	-603	1,307	133	--	--	9,021	2,138
Finished Aviation Gasoline	--	--	4	1	--	--	1	--	--	4	7
Kerosene-Type Jet Fuel	--	--	827	26	412	--	-41	--	--	1,306	566
Kerosene	--	--	--	--	--	--	0	--	--	0	2
Distillate Fuel Oil	--	--	6,021	147	-55	43	127	--	--	6,029	4,115
15 ppm sulfur and under	--	--	5,967	147	-55	43	153	--	--	5,949	3,924
Greater than 15 ppm to 500 ppm sulfur	--	--	83	--	--	--	2	--	--	81	153
Greater than 500 ppm sulfur	--	--	-29	--	--	--	-28	--	--	-1	38
Residual Fuel Oil	--	--	353	--	--	--	0	--	4	349	179
Less than 0.31 percent sulfur	--	--	212	--	--	--	-3	--	NA	NA	23
0.31 to 1.00 percent sulfur	--	--	15	--	--	--	-2	--	NA	NA	4
Greater than 1.00 percent sulfur	--	--	126	--	--	--	5	--	NA	NA	152
Petrochemical Feedstocks	--	--	--	--	--	--	--	--	--	--	--
Naphtha for Petro. Feed. Use	--	--	--	--	--	--	--	--	--	--	--
Other Oils for Petro. Feed. Use	--	--	--	--	--	--	--	--	--	--	--
Special Naphthas	--	--	--	--	--	--	--	--	--	--	--
Lubricants	--	--	--	--	--	--	--	--	7	-7	--
Waxes	--	--	--	--	--	--	--	--	0	0	--
Petroleum Coke	--	--	623	--	-189	--	-42	--	0	476	196
Marketable	--	--	434	--	-189	--	-42	--	0	287	196
Catalyst	--	--	189	--	--	--	--	--	--	189	--
Asphalt and Road Oil	--	--	1,090	39	-325	--	259	--	1	544	1,330
Still Gas	--	--	633	--	--	--	--	--	--	633	--
Miscellaneous Products	--	--	104	1	--	--	3	--	0	102	16
Total	37,357	287	18,137	13,388	-28,563	-833	-675	17,590	123	22,735	48,903

-- = 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, biojiesel, 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-22M "Monthly Biodiesel Production Survey", 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 Oxygenate 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 18. PAD District 4 - Year-to-Date Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, January-December 2020
(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	305,031	--	--	138,193	-221,720	-15,813	548	204,929	214	0	24,228
Hydrocarbon Gas Liquids	179,643	-83	3,119	4,719	-131,104	--	2,640	5,932	1,115	46,607	6,492
Natural Gas Liquids	179,643	-83	2,284	4,719	-131,104	--	2,542	5,932	1,115	45,870	6,319
Ethane	50,965	--	--	--	-43,270	--	376	--	0	7,319	932
Propane	64,848	--	2,720	3,853	-41,151	--	1,124	--	4	29,142	2,817
Normal Butane	25,358	--	-137	767	-18,043	--	477	2,403	434	4,631	1,362
Isobutane	12,093	--	-299	99	-9,692	--	163	2,027	--	11	436
Natural Gasoline	26,379	-83	--	--	-18,948	--	402	1,502	676	4,768	772
Refinery Olefins	--	--	835	--	--	--	98	--	--	737	173
Ethylene	--	--	--	--	--	--	--	--	--	--	--
Propylene	--	--	112	--	--	--	0	--	--	112	0
Normal Butylene	--	--	723	--	--	--	98	--	--	625	173
Isobutylene	--	--	--	--	--	--	0	--	--	0	0
Other Liquids	--	3,579	--	1,282	8,758	-10,384	-367	2,096	406	1,100	9,634
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	--	3,579	--	471	4,647	4,442	-35	12,771	403	0	427
Hydrogen	--	--	--	--	--	2,458	--	2,458	--	0	--
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol)	--	3,579	--	471	4,647	1,984	-35	10,313	403	0	427
Fuel Ethanol	--	3,579	--	--	4,268	2,120	16	9,627	324	0	416
Renewable Fuels Except Fuel Ethanol	--	0	--	471	380	-136	-51	686	80	0	11
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	--	--	--	--	--	-493	-609	2	1,100	2,688
Motor Gasoline Blend.Comp. (MGBC)	--	--	--	811	4,111	-14,826	161	-10,066	1	0	6,519
Reformulated	--	--	--	--	--	--	--	--	--	--	--
Conventional	--	--	--	811	4,111	-14,826	161	-10,066	1	0	6,519
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--	--
Finished Petroleum Products	--	--	218,315	2,266	-13,411	12,916	-731	--	282	220,536	8,549
Finished Motor Gasoline	--	--	102,648	26	-7,205	12,706	217	--	9	107,949	2,138
Reformulated	--	--	--	--	--	--	--	--	--	--	--
Conventional	--	--	102,648	26	-7,205	12,706	217	--	9	107,949	2,138
Finished Aviation Gasoline	--	--	56	4	--	--	-1	--	--	61	7
Kerosene-Type Jet Fuel	--	--	8,634	204	4,829	--	-143	--	--	13,810	566
Kerosene	--	--	4	--	--	--	1	--	--	3	2
Distillate Fuel Oil	--	--	71,584	1,680	-1,279	210	-533	--	0	72,728	4,115
15 ppm sulfur and under	--	--	70,750	1,679	-1,329	210	-499	--	0	71,809	3,924
Greater than 15 ppm to 500 ppm sulfur	--	--	884	--	50	--	15	--	--	919	153
Greater than 500 ppm sulfur	--	--	-50	1	--	--	-49	--	--	0	38
Residual Fuel Oil	--	--	4,104	--	--	--	-78	--	121	4,061	179
Less than 0.31 percent sulfur	--	--	2,298	--	--	--	-10	--	NA	NA	23
0.31 to 1.00 percent sulfur	--	--	229	--	--	--	-13	--	NA	NA	4
Greater than 1.00 percent sulfur	--	--	1,577	--	--	--	-55	--	NA	NA	152
Petrochemical Feedstocks	--	--	--	--	--	--	--	--	--	--	--
Naphtha for Petro. Feed. Use	--	--	--	--	--	--	--	--	--	--	--
Other Oils for Petro. Feed. Use	--	--	--	--	--	--	--	--	--	--	--
Special Naphthas	--	--	--	--	--	--	--	--	--	--	--
Lubricants	--	--	--	--	--	--	--	--	108	-108	--
Waxes	--	--	--	--	--	--	--	--	3	-3	--
Petroleum Coke	--	--	8,012	--	-2,808	--	7	--	1	5,197	196
Marketable	--	--	5,557	--	-2,808	--	7	--	1	2,742	196
Catalyst	--	--	2,455	--	--	--	--	--	--	2,455	--
Asphalt and Road Oil	--	--	14,491	340	-6,948	--	-200	--	38	8,044	1,330
Still Gas	--	--	7,487	--	--	--	--	--	--	7,487	--
Miscellaneous Products	--	--	1,295	12	--	--	-1	--	1	1,307	16
Total	484,674	3,496	221,434	146,460	-357,476	-13,281	2,090	212,957	2,017	268,243	48,903

-- = 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, bioiesel, 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-22M "Monthly Biodiesel Production Survey", 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 Oxygenate 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 19. PAD District 4 - Daily Average Supply and Disposition of Crude Oil and Petroleum Products, December 2020
(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	751	--	--	400	-575	-34	-4	547	-	0
Hydrocarbon Gas Liquids	454	0	1	24	-352	--	-31	18	3	136
Natural Gas Liquids	454	0	-2	24	-352	--	-34	18	3	137
Ethane	119	--	--	--	-105	--	0	--	--	15
Propane	171	--	7	17	-118	--	-12	--	--	89
Normal Butane	67	--	-9	7	-57	--	-22	11	--	18
Isobutane	31	--	0	0	-26	--	0	5	--	2
Natural Gasoline	66	0	--	--	-46	--	0	3	3	14
Refinery Olefins	--	--	3	--	--	--	4	--	--	-1
Ethylene	--	--	--	--	--	--	--	--	--	--
Propylene	--	--	0	--	--	--	0	--	--	0
Normal Butylene	--	--	3	--	--	--	4	--	--	0
Isobutylene	--	--	--	--	--	--	0	--	--	0
Other Liquids	--	9	--	1	30	-37	-1	3	1	2
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	--	9	--	1	17	6	-2	35	1	0
Hydrogen	--	--	--	--	--	7	--	7	--	0
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol)	--	9	--	1	17	-1	-2	28	1	0
Fuel Ethanol	--	9	--	--	16	1	0	25	1	0
Renewable Fuels Except Fuel Ethanol	--	--	--	1	1	-2	-2	2	0	0
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	--	--	--	--	--	-2	0	0	2
Motor Gasoline Blend.Comp. (MGBC)	--	--	--	0	13	-43	3	-32	--	0
Reformulated	--	--	--	--	--	--	--	--	--	--
Conventional	--	--	--	0	13	-43	3	-32	--	0
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--
Finished Petroleum Products	--	--	584	7	-25	44	14	--	0	595
Finished Motor Gasoline	--	--	273	--	-19	42	4	--	--	291
Reformulated	--	--	--	--	--	--	--	--	--	--
Conventional	--	--	273	--	-19	42	4	--	--	291
Finished Aviation Gasoline	--	--	0	0	--	--	0	--	--	0
Kerosene-Type Jet Fuel	--	--	27	1	13	--	-1	--	--	42
Kerosene	--	--	--	--	--	--	0	--	--	0
Distillate Fuel Oil	--	--	194	5	-2	1	4	--	--	194
15 ppm sulfur and under	--	--	192	5	-2	1	5	--	--	192
Greater than 15 ppm to 500 ppm sulfur	--	--	3	--	--	--	0	--	--	3
Greater than 500 ppm sulfur	--	--	-1	--	--	--	-1	--	--	0
Residual Fuel Oil	--	--	11	--	--	--	0	--	0	11
Less than 0.31 percent sulfur	--	--	7	--	--	--	0	--	NA	NA
0.31 to 1.00 percent sulfur	--	--	0	--	--	--	0	--	NA	NA
Greater than 1.00 percent sulfur	--	--	4	--	--	--	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	--	-6	--	-1	--	0	15
Marketable	--	--	14	--	-6	--	-1	--	0	9
Catalyst	--	--	6	--	--	--	--	--	--	6
Asphalt and Road Oil	--	--	35	1	-10	--	8	--	0	18
Still Gas	--	--	20	--	--	--	--	--	--	20
Miscellaneous Products	--	--	3	0	--	--	0	--	0	3
Total	1,205	9	585	432	-921	-27	-22	567	4	733

-- = 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 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-22M "Monthly Biodiesel Production Survey", 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 Oxygenate 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 20. PAD District 4 - Year-to-Date Daily Average Supply and Disposition of Crude Oil and Petroleum Products, January-December 2020
(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	833	--	--	378	-606	-43	1	560	1	0
Hydrocarbon Gas Liquids	491	0	9	13	-358	--	7	16	3	127
Natural Gas Liquids	491	0	6	13	-358	--	7	16	3	125
Ethane	139	--	--	--	-118	--	1	--	0	20
Propane	177	--	7	11	-112	--	3	--	0	80
Normal Butane	69	--	0	2	-49	--	1	7	1	13
Isobutane	33	--	-1	0	-26	--	0	6	--	0
Natural Gasoline	72	0	--	--	-52	--	1	4	2	13
Refinery Olefins	--	--	2	--	--	--	0	--	--	2
Ethylene	--	--	--	--	--	--	--	--	--	--
Propylene	--	--	0	--	--	--	0	--	--	0
Normal Butylene	--	--	2	--	--	--	0	--	--	2
Isobutylene	--	--	--	--	--	--	0	--	--	0
Other Liquids	--	10	--	4	24	-28	-1	6	1	3
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	--	10	--	1	13	12	0	35	1	0
Hydrogen	--	--	--	--	--	7	--	7	--	0
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol)	--	10	--	1	13	5	0	28	1	0
Fuel Ethanol	--	10	--	--	12	6	0	26	1	0
Renewable Fuels Except Fuel Ethanol	--	0	--	1	1	0	0	2	0	0
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	--	--	--	--	--	-1	-2	0	3
Motor Gasoline Blend.Comp. (MGBC)	--	--	--	2	11	-41	0	-28	0	0
Reformulated	--	--	--	--	--	--	--	--	--	--
Conventional	--	--	--	2	11	-41	0	-28	0	0
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--
Finished Petroleum Products	--	--	596	6	-37	35	-2	--	1	603
Finished Motor Gasoline	--	--	280	0	-20	35	1	--	0	295
Reformulated	--	--	--	--	--	--	--	--	--	--
Conventional	--	--	280	0	-20	35	1	--	0	295
Finished Aviation Gasoline	--	--	0	0	--	--	0	--	--	0
Kerosene-Type Jet Fuel	--	--	24	1	13	--	0	--	--	38
Kerosene	--	--	0	--	--	--	0	--	--	0
Distillate Fuel Oil	--	--	196	5	-3	1	-1	--	0	199
15 ppm sulfur and under	--	--	193	5	-4	1	-1	--	0	196
Greater than 15 ppm to 500 ppm sulfur	--	--	2	--	0	--	0	--	--	3
Greater than 500 ppm sulfur	--	--	0	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	--	--	4	--	--	--	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	--	--	22	--	-8	--	0	--	0	14
Marketable	--	--	15	--	-8	--	0	--	0	7
Catalyst	--	--	7	--	--	--	--	--	--	7
Asphalt and Road Oil	--	--	40	1	-19	--	-1	--	0	22
Still Gas	--	--	20	--	--	--	--	--	--	20
Miscellaneous Products	--	--	4	0	--	--	0	--	0	4
Total	1,324	10	605	400	-977	-36	6	582	6	733

-- = 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 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-22M "Monthly Biodiesel Production Survey", 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 Oxygenate 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 21. PAD District 5 - Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, December 2020
(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	26,180	--	--	25,974	4,409	-529	-1,541	56,524	1,051	0	45,166
Hydrocarbon Gas Liquids	1,937	-5	-725	1,794	1,575	--	-1,497	2,477	1,894	1,702	4,253
Natural Gas Liquids	1,937	-5	-872	1,794	1,575	--	-1,495	2,477	1,894	1,553	4,240
Ethane	--	--	--	--	--	--	--	--	0	0	--
Propane	255	--	868	1,215	399	--	-592	--	1,178	2,151	2,143
Normal Butane	462	--	-1,545	579	1,088	--	-871	1,152	713	-410	1,686
Isobutane	268	--	-195	--	88	--	-26	442	--	-255	372
Natural Gasoline	952	-5	--	--	--	--	-6	883	2	68	39
Refinery Olefins	--	--	147	--	--	--	-2	--	--	149	13
Ethylene	--	--	--	--	--	--	--	--	--	--	--
Propylene	--	--	151	--	--	--	2	--	--	149	11
Normal Butylene	--	--	-4	--	--	--	-4	--	--	0	2
Isobutylene	--	--	--	--	--	--	0	--	--	0	0
Other Liquids	--	506	--	3,828	9,826	-2,651	450	10,720	382	-43	50,042
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	--	506	--	1,134	4,853	114	270	6,039	298	0	4,626
Hydrogen	--	--	--	--	--	1,349	--	1,349	--	0	--
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol)	--	506	--	1,134	4,853	-1,235	270	4,690	298	0	4,626
Fuel Ethanol	--	281	--	254	3,972	-79	91	4,050	286	0	2,990
Renewable Fuels Except Fuel Ethanol	--	225	--	880	881	-1,156	179	640	12	0	1,636
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	--	--	1,143	--	--	-230	1,375	41	-43	17,013
Motor Gasoline Blend.Comp. (MGBC)	--	0	--	1,551	4,973	-2,765	410	3,306	43	0	28,403
Reformulated	--	0	--	--	2,152	-185	648	1,318	1	0	15,470
Conventional	--	--	--	1,551	2,821	-2,581	-238	1,988	41	0	12,933
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--	--
Finished Petroleum Products	--	--	74,866	3,946	3,427	3,167	4,104	--	6,992	74,310	35,908
Finished Motor Gasoline	--	--	39,756	185	446	2,845	251	--	1,606	41,375	2,997
Reformulated	--	--	27,641	--	--	730	0	--	--	28,371	18
Conventional	--	--	12,115	185	446	2,115	251	--	1,606	13,004	2,979
Finished Aviation Gasoline	--	--	68	3	--	--	47	--	--	24	300
Kerosene-Type Jet Fuel	--	--	8,754	2,867	146	--	761	--	293	10,713	8,945
Kerosene	--	--	22	8	--	--	2	--	71	-43	13
Distillate Fuel Oil	--	--	16,571	556	1,840	323	2,380	--	1,603	15,307	14,577
15 ppm sulfur and under	--	--	15,806	242	1,840	323	2,295	--	1,378	14,537	13,581
Greater than 15 ppm to 500 ppm sulfur	--	--	295	314	--	--	-95	--	35	669	214
Greater than 500 ppm sulfur	--	--	470	--	--	--	180	--	189	101	782
Residual Fuel Oil	--	--	1,718	158	--	--	203	--	432	1,241	4,745
Less than 0.31 percent sulfur	--	--	67	--	--	--	97	--	NA	NA	852
0.31 to 1.00 percent sulfur	--	--	608	45	--	--	-100	--	NA	NA	522
Greater than 1.00 percent sulfur	--	--	1,043	113	--	--	206	--	NA	NA	3,371
Petrochemical Feedstocks	--	--	--	37	162	--	0	--	--	199	2
Naphtha for Petro. Feed. Use	--	--	--	37	162	--	0	--	--	199	2
Other Oils for Petro. Feed. Use	--	--	--	--	--	--	--	--	--	--	--
Special Naphthas	--	--	15	--	--	--	-5	--	--	20	48
Lubricants	--	--	525	77	--	--	234	--	142	226	894
Waxes	--	--	--	8	--	--	--	--	3	5	--
Petroleum Coke	--	--	3,600	--	145	--	-43	--	2,815	972	1,216
Marketable	--	--	2,785	--	145	--	-43	--	2,815	157	1,216
Catalyst	--	--	815	--	--	--	--	--	--	815	--
Asphalt and Road Oil	--	--	761	47	688	--	289	--	25	1,181	2,086
Still Gas	--	--	2,733	--	--	--	--	--	--	2,733	--
Miscellaneous Products	--	--	343	--	--	--	-15	--	0	358	85
Total	28,117	501	74,141	35,542	19,236	-13	1,516	69,721	10,319	75,969	135,369

-- = 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, biogiesel, 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-22M "Monthly Biodiesel Production Survey", 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 Oxygenate 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 22. PAD District 5 - Year-to-Date Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, January-December 2020
(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	312,973	--	--	335,334	55,290	12,904	-6,751	705,566	17,686	0	45,166
Hydrocarbon Gas Liquids	21,279	-62	10,455	16,023	13,168	--	139	26,564	18,592	15,568	4,253
Natural Gas Liquids	21,279	-62	8,841	15,962	13,168	--	146	26,564	18,592	13,886	4,240
Ethane	8	--	--	--	--	--	--	--	1	7	--
Propane	3,137	--	10,907	10,621	4,441	--	470	--	11,728	16,908	2,143
Normal Butane	4,765	--	-2,683	5,138	6,406	--	-306	8,789	6,671	-1,528	1,686
Isobutane	3,206	--	617	203	2,321	--	-16	8,508	7	-2,152	372
Natural Gasoline	10,163	-62	--	--	--	--	-2	9,267	185	651	39
Refinery Olefins	--	--	1,614	61	--	--	-7	--	--	1,682	13
Ethylene	--	--	--	--	--	--	--	--	--	--	--
Propylene	--	--	1,720	--	--	--	-3	--	--	1,723	11
Normal Butylene	--	--	-106	61	--	--	-4	--	--	-41	2
Isobutylene	--	--	--	--	--	--	0	--	--	0	0
Other Liquids	--	6,515	--	34,133	100,310	-13,374	-4,248	122,370	7,010	2,452	50,042
Hydrogen/Oxygenates/Renewables/ Other Hydrocarbons	--	6,515	--	10,729	49,158	8,371	213	71,844	2,716	0	4,626
Hydrogen	--	--	--	--	--	15,433	--	15,433	--	0	--
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol)	--	6,515	--	10,729	49,158	-7,062	213	56,411	2,716	0	4,626
Fuel Ethanol	--	3,497	--	3,421	42,206	2,014	129	48,909	2,100	0	2,990
Renewable Fuels Except Fuel Ethanol	--	3,018	--	7,308	6,952	-9,076	84	7,502	615	0	1,636
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	--	--	14,833	-175	--	-2,409	12,496	2,119	2,452	17,013
Motor Gasoline Blend.Comp. (MGBC)	--	0	--	8,571	51,327	-21,745	-2,052	38,030	2,175	0	28,403
Reformulated	--	0	--	1,120	23,630	-2,233	349	22,145	23	0	15,470
Conventional	--	--	--	7,451	27,697	-19,512	-2,401	15,885	2,152	0	12,933
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--	--
Finished Petroleum Products	--	--	897,441	52,411	27,866	22,863	-850	--	98,242	903,189	35,908
Finished Motor Gasoline	--	--	484,107	6,072	5,031	19,731	296	--	17,723	496,922	2,997
Reformulated	--	--	335,777	--	--	4,045	5	--	--	339,817	18
Conventional	--	--	148,330	6,072	5,031	15,685	291	--	17,723	157,105	2,979
Finished Aviation Gasoline	--	--	512	17	--	--	116	--	--	413	300
Kerosene-Type Jet Fuel	--	--	94,768	34,870	1,697	--	-810	--	4,826	127,319	8,945
Kerosene	--	--	129	48	--	--	-31	--	346	-138	13
Distillate Fuel Oil	--	--	194,151	6,022	13,929	3,132	-149	--	29,641	187,742	14,577
15 ppm sulfur and under	--	--	185,012	5,393	14,029	3,132	33	--	23,633	183,900	13,581
Greater than 15 ppm to 500 ppm sulfur	--	--	3,282	622	-100	--	-62	--	2,107	1,759	214
Greater than 500 ppm sulfur	--	--	5,857	7	--	--	-120	--	3,901	2,083	782
Residual Fuel Oil	--	--	23,764	3,629	--	--	625	--	6,968	19,800	4,745
Less than 0.31 percent sulfur	--	--	561	--	--	--	591	--	NA	NA	852
0.31 to 1.00 percent sulfur	--	--	6,051	915	--	--	225	--	NA	NA	522
Greater than 1.00 percent sulfur	--	--	17,152	2,714	--	--	-183	--	NA	NA	3,371
Petrochemical Feedstocks	--	--	2	316	162	--	-6	--	--	486	2
Naphtha for Petro. Feed. Use	--	--	2	316	162	--	-6	--	--	486	2
Other Oils for Petro. Feed. Use	--	--	--	--	--	--	--	--	--	--	--
Special Naphthas	--	--	388	--	--	--	2	--	--	386	48
Lubricants	--	--	5,401	276	-71	--	36	--	3,917	1,653	894
Waxes	--	--	--	298	--	--	--	--	57	241	--
Petroleum Coke	--	--	44,471	119	1,070	--	-523	--	34,306	11,877	1,216
Marketable	--	--	34,091	119	1,070	--	-523	--	34,306	1,497	1,216
Catalyst	--	--	10,380	--	--	--	--	--	--	10,380	--
Asphalt and Road Oil	--	--	9,039	744	6,048	--	-382	--	456	15,757	2,086
Still Gas	--	--	36,384	--	--	--	--	--	--	36,384	--
Miscellaneous Products	--	--	4,325	--	--	--	-24	--	2	4,347	85
Total	334,252	6,453	907,896	437,901	196,634	22,393	-11,710	854,500	141,530	921,210	135,369

-- = 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, biogiesel, 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-22M "Monthly Biodiesel Production Survey", 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 Oxygenate 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 23. PAD District 5 - Daily Average Supply and Disposition of Crude Oil and Petroleum Products, December 2020
(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	845	--	--	838	142	-17	-50	1,823	34	0
Hydrocarbon Gas Liquids	62	0	-23	58	51	--	-48	80	61	55
Natural Gas Liquids	62	0	-28	58	51	--	-48	80	61	50
Ethane	--	--	--	--	--	--	--	--	0	0
Propane	8	--	28	39	13	--	-19	--	38	69
Normal Butane	15	--	-50	19	35	--	-28	37	23	-13
Isobutane	9	--	-6	--	3	--	-1	14	--	-8
Natural Gasoline	31	0	--	--	--	--	0	28	0	2
Refinery Olefins	--	--	5	--	--	--	0	--	--	5
Ethylene	--	--	--	--	--	--	--	--	--	--
Propylene	--	--	5	--	--	--	0	--	--	5
Normal Butylene	--	--	0	--	--	--	0	--	--	0
Isobutylene	--	--	--	--	--	--	0	--	--	0
Other Liquids	--	16	--	123	317	-86	15	346	12	-1
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	--	16	--	37	157	4	9	195	10	0
Hydrogen	--	--	--	--	--	44	--	44	--	0
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol)	--	16	--	37	157	-40	9	151	10	0
Fuel Ethanol	--	9	--	8	128	-3	3	131	9	0
Renewable Fuels Except Fuel Ethanol	--	7	--	28	28	-37	6	21	0	0
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	--	--	37	--	--	-7	44	1	-1
Motor Gasoline Blend.Comp. (MGBC)	--	0	--	50	160	-89	13	107	1	0
Reformulated	--	0	--	--	69	-6	21	43	0	0
Conventional	--	--	--	50	91	-83	-8	64	1	0
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--
Finished Petroleum Products	--	--	2,415	127	111	102	132	--	226	2,397
Finished Motor Gasoline	--	--	1,282	6	14	92	8	--	52	1,335
Reformulated	--	--	892	--	--	24	0	--	--	915
Conventional	--	--	391	6	14	68	8	--	52	419
Finished Aviation Gasoline	--	--	2	0	--	--	2	--	--	1
Kerosene-Type Jet Fuel	--	--	282	92	5	--	25	--	9	346
Kerosene	--	--	1	0	--	--	0	--	2	-1
Distillate Fuel Oil	--	--	535	18	59	10	77	--	52	494
15 ppm sulfur and under	--	--	510	8	59	10	74	--	44	469
Greater than 15 ppm to 500 ppm sulfur	--	--	10	10	--	--	-3	--	1	22
Greater than 500 ppm sulfur	--	--	15	--	--	--	6	--	6	3
Residual Fuel Oil	--	--	55	5	--	--	7	--	14	40
Less than 0.31 percent sulfur	--	--	2	--	--	--	3	--	NA	NA
0.31 to 1.00 percent sulfur	--	--	20	1	--	--	-3	--	NA	NA
Greater than 1.00 percent sulfur	--	--	34	4	--	--	7	--	NA	NA
Petrochemical Feedstocks	--	--	--	1	5	--	0	--	--	6
Naphtha for Petro. Feed. Use	--	--	--	1	5	--	0	--	--	6
Other Oils for Petro. Feed. Use	--	--	--	--	--	--	--	--	--	--
Special Naphthas	--	--	0	--	--	--	0	--	--	1
Lubricants	--	--	17	2	--	--	8	--	5	7
Waxes	--	--	--	0	--	--	--	--	0	0
Petroleum Coke	--	--	116	--	5	--	-1	--	91	31
Marketable	--	--	90	--	5	--	-1	--	91	5
Catalyst	--	--	26	--	--	--	--	--	--	26
Asphalt and Road Oil	--	--	25	2	22	--	9	--	1	38
Still Gas	--	--	88	--	--	--	--	--	--	88
Miscellaneous Products	--	--	11	--	--	--	0	--	0	12
Total	907	16	2,392	1,147	621	0	49	2,249	333	2,451

-- = 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 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-22M "Monthly Biodiesel Production Survey", 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 Oxygenate 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 24. PAD District 5 - Year-to-Date Daily Average Supply and Disposition of Crude Oil and Petroleum Products, January-December 2020
(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	855	--	--	916	151	35	-18	1,928	48	0
Hydrocarbon Gas Liquids	58	0	29	44	36	--	0	73	51	43
Natural Gas Liquids	58	0	24	44	36	--	0	73	51	38
Ethane	0	--	--	--	--	--	--	--	0	0
Propane	9	--	30	29	12	--	1	--	32	46
Normal Butane	13	--	-7	14	18	--	-1	24	18	-4
Isobutane	9	--	2	1	6	--	0	23	0	-6
Natural Gasoline	28	0	--	--	--	--	0	25	1	2
Refinery Olefins	--	--	4	0	--	--	0	--	--	5
Ethylene	--	--	--	--	--	--	--	--	--	--
Propylene	--	--	5	--	--	--	0	--	--	5
Normal Butylene	--	--	0	0	--	--	0	--	--	0
Isobutylene	--	--	--	--	--	--	0	--	--	0
Other Liquids	--	18	--	93	274	-37	-12	334	19	7
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	--	18	--	29	134	23	1	196	7	0
Hydrogen	--	--	--	--	--	42	--	42	--	0
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol)	--	18	--	29	134	-19	1	154	7	0
Fuel Ethanol	--	10	--	9	115	6	0	134	6	0
Renewable Fuels Except Fuel Ethanol	--	8	--	20	19	-25	0	20	2	0
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	--	--	41	0	--	-7	34	6	7
Motor Gasoline Blend.Comp. (MGBC)	--	0	--	23	140	-59	-6	104	6	0
Reformulated	--	0	--	3	65	-6	1	61	0	0
Conventional	--	--	--	20	76	-53	-7	43	6	0
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--
Finished Petroleum Products	--	--	2,452	143	76	62	-2	--	268	2,468
Finished Motor Gasoline	--	--	1,323	17	14	54	1	--	48	1,358
Reformulated	--	--	917	--	--	11	0	--	--	928
Conventional	--	--	405	17	14	43	1	--	48	429
Finished Aviation Gasoline	--	--	1	0	--	--	0	--	--	1
Kerosene-Type Jet Fuel	--	--	259	95	5	--	-2	--	13	348
Kerosene	--	--	0	0	--	--	0	--	1	0
Distillate Fuel Oil	--	--	530	16	38	9	0	--	81	513
15 ppm sulfur and under	--	--	505	15	38	9	0	--	65	502
Greater than 15 ppm to 500 ppm sulfur	--	--	9	2	0	--	0	--	6	5
Greater than 500 ppm sulfur	--	--	16	0	--	--	0	--	11	6
Residual Fuel Oil	--	--	65	10	--	--	2	--	19	54
Less than 0.31 percent sulfur	--	--	2	--	--	--	2	--	NA	NA
0.31 to 1.00 percent sulfur	--	--	17	3	--	--	1	--	NA	NA
Greater than 1.00 percent sulfur	--	--	47	7	--	--	-1	--	NA	NA
Petrochemical Feedstocks	--	--	0	1	0	--	0	--	--	1
Naphtha for Petro. Feed. Use	--	--	0	1	0	--	0	--	--	1
Other Oils for Petro. Feed. Use	--	--	--	--	--	--	--	--	--	--
Special Naphthas	--	--	1	--	--	--	0	--	--	1
Lubricants	--	--	15	1	0	--	0	--	11	5
Waxes	--	--	--	1	--	--	--	--	0	1
Petroleum Coke	--	--	122	0	3	--	-1	--	94	32
Marketable	--	--	93	0	3	--	-1	--	94	4
Catalyst	--	--	28	--	--	--	--	--	--	28
Asphalt and Road Oil	--	--	25	2	17	--	-1	--	1	43
Still Gas	--	--	99	--	--	--	--	--	--	99
Miscellaneous Products	--	--	12	--	--	--	0	--	0	12
Total	913	18	2,481	1,196	537	61	-32	2,335	387	2,517

-- = 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-22M "Monthly Biodiesel Production Survey", 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 Oxygenate 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 25. Crude Oil Supply, Disposition, and Ending Stocks by PAD District, December 2020
(Thousand Barrels, Except Where Noted)

Process	PAD Districts					U.S. Total	
	1	2	3	4	5	Total	Daily Average
Supply							
Field Production	2,311	55,253	235,931	23,280	26,180	342,956	11,063
Alaskan	--	--	--	--	--	14,352	463
Lower 48 States	--	--	--	--	--	328,604	10,600
Imports (PAD District of Entry)	13,780	87,901	37,041	12,396	25,974	177,092	5,713
Commercial	13,780	87,901	37,041	12,396	25,974	177,092	5,713
Strategic Petroleum Reserve (SPR)	--	--	--	--	--	--	--
Net Receipts	3,504	-30,117	40,026	-17,822	4,409	--	--
Adjustments ¹	-555	-3,695	13,460	-1,042	-529	7,638	246
Disposition							
Stock Change ²	-50	-1,189	-12,249	-133	-1,541	-15,162	-489
Commercial	--	--	-12,250	--	--	-15,163	-489
SPR	--	--	1	--	--	1	0
Refinery Inputs	18,362	106,235	240,269	16,945	56,524	438,335	14,140
Exports	729	4,296	98,438	--	1,051	104,513	3,371
Ending Stocks							
Total	9,866	147,159	896,924	24,228	45,166	1,123,343	--
Commercial	9,866	147,159	258,838	24,228	45,166	485,257	--
Refinery	5,577	13,722	45,277	2,516	17,263	84,355	--
Tank Farms and Pipelines	4,289	133,437	213,561	21,712	24,580	397,579	--
Cushing, Oklahoma	--	59,049	--	--	--	59,049	--
Lease	--	--	--	--	--	--	--
Alaskan Crude Oil In-Transit by Water	--	--	--	--	3,323	3,323	--
SPR	--	--	638,086	--	--	638,086	--
SPR Stocks							
Percent of Total Crude Oil Stocks (Percent)	--	--	--	--	--	56.8	--
Percent of Total Petroleum Stocks (Percent)	--	--	--	--	--	32.2	--
Days of Total Petroleum Net Imports (Days)	--	--	--	--	--	--	--
SPR Receipts Detail							
Receipts	--	--	--	--	--	--	--
Domestic	--	--	--	--	--	--	--
Imports	--	--	--	--	--	--	--
Imported by SPR	--	--	--	--	--	--	--
Imported for SPR by Others	--	--	--	--	--	--	--
Imports							
PAD District of Entry	13,780	87,901	37,041	12,396	25,974	177,092	5,713
PAD District of Processing	14,461	82,680	44,444	9,219	26,288	177,092	5,713

-- = 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, December 2020
(Thousand Barrels)

PAD District and State	December 2020		January-December 2020	
	Total	Daily Average	Total	Daily Average
PAD District 1	2,311	75	25,767	70
Florida	127	4	1,364	4
New York	23	1	275	1
Pennsylvania	463	15	5,438	15
Virginia	0	0	3	0
West Virginia	1,698	55	18,688	51
PAD District 2	55,253	1,782	673,015	1,839
Illinois	623	20	7,150	20
Indiana	122	4	1,395	4
Kansas	2,242	72	27,891	76
Kentucky	279	9	2,265	6
Michigan	376	12	4,243	12
Missouri	5	0	75	0
Nebraska	152	5	1,689	5
North Dakota	36,194	1,168	431,720	1,180
Ohio	1,733	56	23,819	65
Oklahoma	13,413	433	171,552	469
South Dakota	94	3	1,053	3
Tennessee	22	1	164	0
PAD District 3	235,931	7,611	2,821,782	7,710
Alabama	337	11	4,072	11
Arkansas	354	11	4,190	11
Louisiana	2,890	93	34,776	95
Mississippi	1,148	37	14,123	39
New Mexico	33,075	1,067	379,085	1,036
Texas	143,192	4,619	1,780,872	4,866
Federal Offshore PAD District 3	54,935	1,772	604,664	1,652
PAD District 4	23,280	751	305,031	833
Colorado	11,775	380	164,999	451
Idaho	0	0	1	0
Montana	1,487	48	19,154	52
Utah	2,654	86	31,801	87
Wyoming	7,364	238	89,076	243
PAD District 5	26,180	845	312,973	855
Alaska	14,352	463	163,852	448
South Alaska	346	11	4,419	12
North Slope	14,006	452	159,433	436
Arizona	0	0	5	0
California	11,428	369	144,352	394
Nevada	16	1	197	1
Federal Offshore PAD District 5	384	12	4,567	12
U.S. Total	342,956	11,063	4,138,569	11,308

- = 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, December 2020
(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	19,462	19,473	5,685	10,398	15,523	31,606
Natural Gas Liquids	11	19,462	19,473	5,685	10,398	15,523	31,606
Ethane	-	7,146	7,146	2,254	1,985	6,424	10,663
Propane	4	7,100	7,104	2,183	4,285	4,992	11,460
Normal Butane	7	2,292	2,299	525	1,858	1,677	4,060
Isobutane	-	908	908	387	577	850	1,814
Natural Gasoline	-	2,016	2,016	336	1,693	1,580	3,609

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	71,856	3,659	5,420	489	8,336	89,760	14,077	1,937	156,853
Natural Gas Liquids	71,856	3,659	5,420	489	8,336	89,760	14,077	1,937	156,853
Ethane	31,026	1,570	2,120	85	3,053	37,854	3,692	-	59,355
Propane	22,465	1,174	1,824	151	2,859	28,473	5,294	255	52,586
Normal Butane	7,191	-3,277	629	64	924	5,531	2,069	462	14,421
Isobutane	4,338	3,895	348	54	601	9,236	967	268	13,193
Natural Gasoline	6,836	297	499	135	899	8,666	2,055	952	17,298

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	901	906	719	134	397	1,250
Natural Gas Liquids	5	901	906	719	134	397	1,250
Ethane	-	62	62	32	2	106	140
Propane	2	303	305	398	54	105	557
Normal Butane	3	151	154	43	28	51	122
Isobutane	-	51	51	152	8	40	200
Natural Gasoline	-	334	334	94	42	95	231

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	167	141	797	5	1	1,111	173	265	3,705
Natural Gas Liquids	167	141	797	5	1	1,111	173	265	3,705
Ethane	46	13	-	-	-	59	4	-	265
Propane	24	43	9	2	-	78	74	90	1,104
Normal Butane	9	30	45	1	-	85	37	110	508
Isobutane	47	11	116	-	-	174	13	29	467
Natural Gasoline	41	44	627	2	1	715	45	36	1,361

- = 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, December 2020
(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	15,569	2,793	18,362	67,371	13,834	25,030	106,235
Hydrocarbon Gas Liquids	1,503	-	1,503	1,800	105	1,090	2,995
Natural Gas Liquids	1,503	-	1,503	1,800	105	1,090	2,995
Normal Butane	1,018	-	1,018	587	67	408	1,062
Isobutane	150	-	150	856	38	414	1,308
Natural Gasoline	335	-	335	357	-	268	625
Other Liquids	71,699	4,880	76,579	8,103	2,179	1,300	11,582
Hydrogen/Oxygenates/Renewables/ Other Hydrocarbons	8,829	667	9,496	5,223	1,312	1,658	8,193
Hydrogen	92	9	101	681	297	188	1,166
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	--	--
Methyl Tertiary Butyl Ether (MTBE)	--	--	--	--	--	--	--
All Other Oxygenates ¹	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol)	8,737	658	9,395	4,522	1,015	1,470	7,007
Fuel Ethanol	8,396	595	8,991	4,327	970	1,403	6,700
Renewable Diesel Fuel ²	341	63	404	195	45	67	307
Other Renewable Fuels	-	-	-	-	-	-	-
Other Hydrocarbons	-	-	-	20	-	-	20
Unfinished Oils (net)	918	-49	869	-544	-70	254	-360
Naphthas and Lighter	-19	4	-15	-84	-23	244	137
Kerosene and Light Gas Oils	62	-	62	-48	-8	-146	-202
Heavy Gas Oils	799	-53	746	-482	-39	218	-303
Residuum	76	0	76	70	-	-62	8
Motor Gasoline Blend.Comp. (MGBC)(net)	61,952	4,262	66,214	3,424	937	-612	3,749
Reformulated - RBOB	15,900	-	15,900	-591	1,053	775	1,237
Conventional	46,052	4,262	50,314	4,015	-116	-1,387	2,512
CBOB	39,766	4,269	44,035	4,922	-73	-1,495	3,354
GTAB	963	-	963	-	-	-	-
Other	5,323	-7	5,316	-907	-43	108	-842
Aviation Gasoline Blend. Comp. (net)	-	-	-	-	-	-	-
Total Input	88,771	7,673	96,444	77,274	16,118	27,420	120,812

See footnotes at end of table.

Table 28. Refinery and Blender Net Input of Crude Oil and Petroleum Products by PAD and Refining Districts, December 2020
(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	17,907	131,459	81,375	6,975	2,553	240,269	16,945	56,524	438,335
Hydrocarbon Gas Liquids	819	5,766	3,235	99	131	10,050	566	2,477	17,591
Natural Gas Liquids	819	5,766	3,235	99	131	10,050	566	2,477	17,591
Normal Butane	533	2,494	2,037	63	—	5,127	331	1,152	8,690
Isobutane	238	1,934	1,036	32	131	3,371	140	442	5,411
Natural Gasoline	48	1,338	162	4	—	1,552	95	883	3,490
Other Liquids	8,562	-41,566	-21,063	6,614	-282	-47,735	79	10,720	51,225
Hydrogen/Oxygenates/Renewables/ Other Hydrocarbons	1,986	2,943	1,832	1,053	176	7,990	1,077	6,039	32,795
Hydrogen	18	2,121	1,281	43	38	3,501	214	1,349	6,331
Oxygenates (excluding Fuel Ethanol)	—	—	—	—	—	—	—	—	—
Methyl Tertiary Butyl Ether (MTBE)	—	—	—	—	—	—	—	—	—
All Other Oxygenates ¹	—	—	—	—	—	—	—	—	—
Renewable Fuels (including Fuel Ethanol)	1,986	822	551	1,010	138	4,489	863	4,690	26,444
Fuel Ethanol	1,881	760	468	950	123	4,182	788	4,050	24,711
Renewable Diesel Fuel ²	87	62	14	60	15	238	30	630	1,609
Other Renewable Fuels	—	—	69	—	—	69	45	10	124
Other Hydrocarbons	—	—	—	—	—	—	—	—	20
Unfinished Oils (net)	-79	-3,155	2,701	-75	37	-571	-4	1,375	1,309
Naphthas and Lighter	-76	-6,547	14	67	24	-6,518	-36	-221	-6,653
Kerosene and Light Gas Oils	34	-1,245	-48	-37	14	-1,282	-263	-207	-1,892
Heavy Gas Oils	-16	2,334	1,005	-17	-1	3,305	361	936	5,045
Residuum	-21	2,303	1,730	-88	—	3,924	-66	867	4,809
Motor Gasoline Blend.Comp. (MGBC)(net)	6,649	-41,354	-25,596	5,636	-495	-55,160	-994	3,306	17,115
Reformulated - RBOB	5,275	-9,096	-2,013	12	-809	-6,631	—	1,318	11,824
Conventional	1,374	-32,258	-23,583	5,624	314	-48,529	-994	1,988	5,291
CBOB	1,371	-33,688	-24,331	5,663	309	-50,676	-1,266	1,356	-3,197
GTAB	—	—	—	—	—	—	—	—	963
Other	3	1,430	748	-39	5	2,147	272	632	7,525
Aviation Gasoline Blend. Comp. (net)	6	—	—	—	—	6	—	—	6
Total Input	27,288	95,659	63,547	13,688	2,402	202,584	17,590	69,721	507,151

— = 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, December 2020
(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	325	-17	308	821	-236	-132	453
Natural Gas Liquids	-200	-17	-217	-52	-412	-393	-857
Ethane	-	-	-	-	-	-	-
Propane	353	23	376	1,384	257	449	2,090
Normal Butane	-418	-29	-447	-1,304	-665	-813	-2,782
Isobutane	-135	-11	-146	-132	-4	-29	-165
Natural Gasoline	-	-	-	-	-	-	-
Refinery Olefins	525	-	525	873	176	261	1,310
Ethylene	18	-	18	-	-	-	-
Propylene	451	-	451	916	176	269	1,361
Normal Butylene	33	-	33	-43	-	-8	-51
Isobutylene	23	-	23	-	-	-	-
Finished Motor Gasoline	80,585	5,937	86,522	45,624	9,506	15,274	70,404
Reformulated	33,103	6	33,109	7,259	1,416	862	9,537
Reformulated Blended with Fuel Ethanol	33,103	6	33,109	7,259	1,416	862	9,537
Reformulated Other	-	-	-	-	-	-	-
Conventional	47,482	5,931	53,413	38,365	8,090	14,412	60,867
Conventional Blended with Fuel Ethanol	50,225	5,960	56,185	35,629	8,097	12,849	56,575
Ed55 and Lower	50,186	5,960	56,146	35,621	8,079	12,791	56,491
Greater than Ed55	39	-	39	8	18	58	84
Conventional Other	-2,743	-29	-2,772	2,736	-7	1,563	4,292
Finished Aviation Gasoline	-	-	-	-	33	-	33
Kerosene-Type Jet Fuel	1,309	-4	1,305	5,225	579	436	6,240
Kerosene	55	2	57	149	-	100	249
Distillate Fuel Oil	5,179	818	5,997	18,987	4,698	10,501	34,186
15 ppm sulfur and under	5,183	783	5,966	18,979	4,667	10,451	34,097
Greater than 15 ppm to 500 ppm sulfur	61	3	64	-	-	139	139
Greater than 500 ppm sulfur	-65	32	-33	8	31	-89	-50
Residual Fuel Oil	853	2	855	623	144	122	889
Less than 0.31 percent sulfur	-30	2	-28	69	-	-	69
0.31 to 1.00 percent sulfur	716	-	716	262	70	17	349
Greater than 1.00 percent sulfur	167	-	167	292	74	105	471
Petrochemical Feedstocks	-	-	-	940	-	34	974
Naphtha for Petro. Feed. Use	-	-	-	574	-	-	574
Other Oils for Petro. Feed. Use	-	-	-	366	-	34	400
Special Naphthas	-	12	12	-19	-	15	-4
Lubricants	72	206	278	-	-	258	258
Waxes	-	-13	-13	-	-	31	31
Petroleum Coke	563	16	579	3,657	921	863	5,441
Marketable	201	-	201	2,731	757	631	4,119
Catalyst	362	16	378	926	164	232	1,322
Asphalt and Road Oil	318	614	932	3,041	973	199	4,213
Still Gas	744	37	781	2,265	588	1,024	3,877
Miscellaneous Products	39	37	76	316	113	50	479
Total	90,042	7,647	97,689	81,629	17,319	28,775	127,723
Processing Gain(-) or Loss(+) ¹	-1,271	26	-1,245	-4,355	-1,201	-1,355	-6,911

See footnotes at end of table.

Table 29. Refinery and Blender Net Production of Finished Petroleum Products by PAD and Refining Districts, December 2020
(Thousand Barrels) — Continued

Commodity	PAD District 3 - Gulf Coast						Total	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					
Hydrocarbon Gas Liquids	252	5,761	4,691	1	-17	10,688	32	-725	10,756	
Natural Gas Liquids	-104	2,060	1,949	-31	-17	3,857	-61	-872	1,850	
Ethane	2	156	24	-	-	182	-	-	182	
Propane	208	2,435	1,987	19	32	4,681	227	868	8,242	
Normal Butane	-211	-46	-158	-50	-48	-513	-293	-1,545	-5,580	
Isobutane	-103	-485	96	-	-1	-493	5	-195	-994	
Natural Gasoline	-	-	-	-	-	-	-	-	-	
Refinery Olefins	356	3,701	2,742	32	-	6,831	93	147	8,906	
Ethylene	-	4	-	-	-	4	-	-	22	
Propylene	363	4,017	2,686	32	-	7,098	-7	151	9,054	
Normal Butylene	-7	-279	56	-	-	-230	100	-4	-152	
Isobutylene	-	-41	-	-	-	-41	-	-	-18	
Finished Motor Gasoline	18,758	23,505	15,735	8,716	1,250	67,964	8,450	39,756	273,096	
Reformulated	6,524	5,707	-	-	-	12,231	-	27,641	82,518	
Reformulated Blended with Fuel Ethanol	6,524	5,707	-	-	-	12,231	-	27,641	82,518	
Reformulated Other	-	-	-	-	-	-	-	-	-	
Conventional	12,234	17,798	15,735	8,716	1,250	55,733	8,450	12,115	190,578	
Conventional Blended with Fuel Ethanol	12,128	1,868	4,690	9,488	1,299	29,473	7,950	12,425	162,608	
Ed55 and Lower	12,113	1,868	4,690	9,480	1,299	29,450	7,940	12,388	162,415	
Greater than Ed55	15	-	-	8	-	23	10	37	193	
Conventional Other	106	15,930	11,045	-772	-49	26,260	500	-310	27,970	
Finished Aviation Gasoline	97	74	55	-	-	226	4	68	331	
Kerosene-Type Jet Fuel	853	9,460	7,207	236	-1	17,755	827	8,754	34,881	
Kerosene	15	219	23	37	-	294	-	22	622	
Distillate Fuel Oil	6,064	42,031	29,530	2,272	1,055	80,952	6,021	16,571	143,727	
15 ppm sulfur and under	6,047	40,865	27,313	2,141	1,055	77,421	5,967	15,806	139,257	
Greater than 15 ppm to 500 ppm sulfur	17	228	772	83	-	1,100	83	295	1,681	
Greater than 500 ppm sulfur	-	938	1,445	48	-	2,431	-29	470	2,789	
Residual Fuel Oil	255	151	326	-54	59	737	353	1,718	4,552	
Less than 0.31 percent sulfur	220	-	1	-	-	221	212	67	541	
0.31 to 1.00 percent sulfur	-3	268	184	-54	-	395	15	608	2,083	
Greater than 1.00 percent sulfur	38	-117	141	-	59	121	126	1,043	1,928	
Petrochemical Feedstocks	98	6,153	2,374	-	-	8,625	-	-	9,599	
Naphtha for Petro. Feed. Use	89	4,003	1,230	-	-	5,322	-	-	5,896	
Other Oils for Petro. Feed. Use	9	2,150	1,144	-	-	3,303	-	-	3,703	
Special Naphthas	60	652	-	209	-	921	-	15	944	
Lubricants	24	1,673	1,735	803	-	4,235	-	525	5,296	
Waxes	-	46	68	22	-	136	-	-	154	
Petroleum Coke	363	6,937	4,459	124	24	11,907	623	3,600	22,150	
Marketable	155	5,205	3,477	110	-	8,947	434	2,785	16,486	
Catalyst	208	1,732	982	14	24	2,960	189	815	5,664	
Asphalt and Road Oil	242	110	579	1,177	-16	2,092	1,090	761	9,088	
Still Gas	623	5,936	3,085	215	64	9,923	633	2,733	17,947	
Miscellaneous Products	148	827	390	13	47	1,425	104	343	2,427	
Total	27,852	103,535	70,257	13,771	2,465	217,880	18,137	74,141	535,570	
Processing Gain(-) or Loss(+) ¹	-564	-7,876	-6,710	-83	-63	-15,296	-547	-4,420	-28,419	

- = 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, December 2020
(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	15,569	2,793	18,362	67,371	13,834	25,030	106,235
Hydrocarbon Gas Liquids	334	-	334	1,696	38	632	2,366
Natural Gas Liquids	334	-	334	1,696	38	632	2,366
Normal Butane	184	-	184	483	-	47	530
Isobutane	150	-	150	856	38	414	1,308
Natural Gasoline	-	-	-	357	-	171	528
Other Liquids	-7,538	95	-7,443	-31,816	-5,356	-10,248	-47,420
Hydrogen/Oxygenates/Renewables/ Other Hydrocarbons	143	149	292	936	445	350	1,731
Hydrogen	92	9	101	681	297	188	1,166
Oxygenates (excluding Fuel Ethanol)	-	-	-	-	-	-	-
Methyl Tertiary Butyl Ether (MTBE)	-	-	-	-	-	-	-
All Other Oxygenates ¹	-	-	-	-	-	-	-
Renewable Fuels (including Fuel Ethanol)	51	140	191	235	148	162	545
Fuel Ethanol	51	118	169	158	135	140	433
Renewable Diesel Fuel ²	-	22	22	77	13	22	112
Other Renewable Fuels	-	-	-	-	-	-	-
Other Hydrocarbons	-	-	-	20	-	-	20
Unfinished Oils (net)	918	-49	869	-681	-70	254	-497
Naphthas and Lighter	-19	4	-15	-84	-23	244	137
Kerosene and Light Gas Oils	62	-	62	-48	-8	-146	-202
Heavy Gas Oils	799	-53	746	-482	-39	218	-303
Residuum	76	0	76	-67	-	-62	-129
Motor Gasoline Blend.Comp. (MGBC)(net)	-8,599	-5	-8,604	-32,071	-5,731	-10,852	-48,654
Reformulated - RBOB	-5,596	-	-5,596	-6,735	-186	-	-6,921
Conventional	-3,003	-5	-3,008	-25,336	-5,545	-10,852	-41,733
CBOB	-2,312	2	-2,310	-24,420	-5,502	-10,960	-40,882
GTAB	-	-	-	-	-	-	-
Other	-691	-7	-698	-916	-43	108	-851
Aviation Gasoline Blend. Comp. (net)	-	-	-	-	-	-	-
Total Input to Refineries	8,365	2,888	11,253	37,251	8,516	15,414	61,181
Atmospheric Crude Oil Distillation							
Gross Input (daily average)	512	90	602	2,168	454	809	3,431
Operable Capacity (daily average)	791	98	889	2,703	547	927	4,177
Operable Utilization Rate (percent) ³	64.8	92.0	67.8	80.2	82.9	87.3	82.1
Downstream Processing							
Fresh Feed Input (daily average)							
Catalytic Reforming	69	15	84	355	63	151	569
Catalytic Cracking	189	13	203	611	143	194	948
Catalytic Hydrocracking	33	-	33	163	57	54	275
Delayed and Fluid Coking	29	-	29	293	73	83	449
Crude Oil Qualities							
Sulfur Content, Weighted Average (percent)	0.81	1.51	0.92	1.57	1.82	0.61	1.38
API Gravity, Weighted Average (degrees)	35.81	32.52	35.28	33.19	27.90	39.15	33.84
Operable Capacity (daily average)	791	98	889	2,703	547	927	4,177
Operating	791	98	889	2,703	509	927	4,139
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, December 2020
(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	17,907	131,459	81,375	6,975	2,553	240,269	16,945	56,524	438,335
Hydrocarbon Gas Liquids	803	4,779	2,955	69	131	8,737	454	2,452	14,343
Natural Gas Liquids	803	4,779	2,955	69	131	8,737	454	2,452	14,343
Normal Butane	525	1,891	1,757	33	—	4,206	232	1,127	6,279
Isobutane	238	1,934	1,036	32	131	3,371	138	442	5,409
Natural Gasoline	40	954	162	4	—	1,160	84	883	2,655
Other Liquids	-7,794	-49,931	-23,760	-1,507	-1,496	-84,488	-3,875	-26,889	-170,115
Hydrogen/Oxygenates/Renewables/									
Other Hydrocarbons	280	2,183	1,537	111	46	4,157	522	1,716	8,418
Hydrogen	18	2,121	1,281	43	38	3,501	214	1,349	6,331
Oxygenates (excluding Fuel Ethanol)	—	—	—	—	—	—	—	—	—
Methyl Tertiary Butyl Ether (MTBE)	—	—	—	—	—	—	—	—	—
All Other Oxygenates ¹	—	—	—	—	—	—	—	—	—
Renewable Fuels (including Fuel Ethanol)	262	62	256	68	8	656	308	367	2,067
Fuel Ethanol	200	43	173	54	5	475	245	100	1,422
Renewable Diesel Fuel ²	62	19	14	14	3	112	18	267	531
Other Renewable Fuels	—	—	69	—	—	69	45	—	114
Other Hydrocarbons	—	—	—	—	—	—	—	—	20
Unfinished Oils (net)	-79	-2,791	2,701	-75	37	-207	-4	1,375	1,536
Naphthas and Lighter	-76	-6,547	14	67	24	-6,518	-36	-221	-6,653
Kerosene and Light Gas Oils	34	-881	-48	-37	14	-918	-263	-207	-1,528
Heavy Gas Oils	-16	2,334	1,005	-17	-1	3,305	361	936	5,045
Residuum	-21	2,303	1,730	-88	—	3,924	-66	867	4,672
Motor Gasoline Blend Comp. (MGBC)(net)	-8,001	-49,323	-27,998	-1,543	-1,579	-88,444	-4,393	-29,980	-180,075
Reformulated - RBOB	-660	-15,246	-2,013	—	-809	-18,728	—	-22,332	-53,577
Conventional	-7,341	-34,077	-25,985	-1,543	-770	-69,716	-4,393	-7,648	-126,498
CBOB	-7,344	-27,903	-25,178	-1,504	-773	-62,702	-4,664	-7,600	-118,158
GTAB	—	—	—	—	—	—	—	—	—
Other	3	-6,174	-807	-39	3	-7,014	271	-48	-8,340
Aviation Gasoline Blend. Comp. (net)	6	—	—	—	—	6	—	—	6
Total Input to Refineries	10,916	86,307	60,570	5,537	1,188	164,518	13,524	32,087	282,563
Atmospheric Crude Oil Distillation									
Gross Input (daily average)	579	4,378	2,727	209	82	7,975	550	1,980	14,539
Operable Capacity (daily average)	742	5,114	3,732	258	110	9,956	650	2,714	18,386
Operable Utilization Rate (percent) ³	78.1	85.6	73.1	80.8	74.9	80.1	84.6	73.0	79.1
Downstream Processing									
Fresh Feed Input (daily average)									
Catalytic Reforming	120	666	483	30	18	1,318	88	310	2,369
Catalytic Cracking	155	1,151	700	13	25	2,045	138	482	3,815
Catalytic Hydrocracking	42	536	418	13	16	1,026	28	415	1,776
Delayed and Fluid Coking	22	649	424	20	—	1,115	55	394	2,042
Crude Oil Qualities									
Sulfur Content, Weighted Average (percent)	0.59	1.35	1.17	1.37	0.83	1.21	1.51	1.15	1.24
API Gravity, Weighted Average (degrees)	39.81	34.33	31.62	30.64	38.88	33.87	32.51	28.48	33.16
Operable Capacity (daily average)	742	5,114	3,732	258	110	9,956	650	2,714	18,386
Operating	742	5,079	3,153	258	110	9,342	641	2,660	17,671
Idle	—	35	579	—	—	614	10	54	715
Alaskan Crude Oil Receipts	—	—	—	—	—	—	—	12,234	12,234

-- = Not Applicable.

- = 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, December 2020
(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	325	-17	308	821	-236	-132	453
Natural Gas Liquids	-200	-17	-217	-52	-412	-393	-857
Ethane	-	-	-	-	-	-	-
Propane	353	23	376	1,384	257	449	2,090
Normal Butane	-418	-29	-447	-1,304	-665	-813	-2,782
Isobutane	-135	-11	-146	-132	-4	-29	-165
Natural Gasoline	-	-	-	-	-	-	-
Refinery Olefins	525	-	525	873	176	261	1,310
Ethylene	18	-	18	-	-	-	-
Propylene	451	-	451	916	176	269	1,361
Normal Butylene	33	-	33	-43	-	-8	-51
Isobutylene	23	-	23	-	-	-	-
Finished Motor Gasoline	515	1,189	1,704	5,808	1,933	3,311	11,052
Reformulated	515	-	515	-	-	-	-
Reformulated Blended with Fuel Ethanol	515	-	515	-	-	-	-
Reformulated Other	-	-	-	-	-	-	-
Conventional	-	1,189	1,189	5,808	1,933	3,311	11,052
Conventional Blended with Fuel Ethanol	-	1,189	1,189	1,622	1,337	1,439	4,398
Ed55 and Lower	-	1,189	1,189	1,622	1,337	1,439	4,398
Greater than Ed55	-	-	-	-	-	-	-
Conventional Other	-	-	-	4,186	596	1,872	6,654
Finished Aviation Gasoline	-	-	-	-	33	-	33
Kerosene-Type Jet Fuel	1,309	-	1,309	5,252	599	436	6,287
Kerosene	64	4	68	151	-	100	251
Distillate Fuel Oil	4,809	775	5,584	18,887	4,646	10,456	33,989
15 ppm sulfur and under	4,830	740	5,570	18,879	4,615	10,406	33,900
Greater than 15 ppm to 500 ppm sulfur	35	3	38	-	-	20	20
Greater than 500 ppm sulfur	-56	32	-24	8	31	30	69
Residual Fuel Oil	876	2	878	623	144	122	889
Less than 0.31 percent sulfur	-	2	2	69	-	-	69
0.31 to 1.00 percent sulfur	716	-	716	262	70	17	349
Greater than 1.00 percent sulfur	160	-	160	292	74	105	471
Petrochemical Feedstocks	-	-	-	940	-	34	974
Naphtha for Petro. Feed. Use	-	-	-	574	-	-	574
Other Oils for Petro. Feed. Use	-	-	-	366	-	34	400
Special Naphthas	-	12	12	-19	-	15	-4
Lubricants	72	206	278	-	-	258	258
Waxes	-	-13	-13	-	-	31	31
Petroleum Coke	563	16	579	3,657	921	863	5,441
Marketable	201	-	201	2,731	757	631	4,119
Catalyst	362	16	378	926	164	232	1,322
Asphalt and Road Oil	316	614	930	2,904	973	199	4,076
Still Gas	744	37	781	2,265	588	1,024	3,877
Miscellaneous Products	39	37	76	316	113	50	479
Total	9,632	2,862	12,494	41,605	9,714	16,767	68,086
Processing Gain(-) or Loss(+) ¹	-1,267	26	-1,241	-4,354	-1,198	-1,353	-6,905

See footnotes at end of table.

Table 31. Refinery Net Production of Finished Petroleum Products by PAD and Refining Districts, December 2020
(Thousand Barrels) — Continued

Commodity	PAD District 3 - Gulf Coast						Total	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					
Hydrocarbon Gas Liquids	252	5,761	4,691	1	-17	10,688	32	-725	10,756	
Natural Gas Liquids	-104	2,060	1,949	-31	-17	3,857	-61	-872	1,850	
Ethane	2	156	24	-	-	182	-	-	182	
Propane	208	2,435	1,987	19	32	4,681	227	868	8,242	
Normal Butane	-211	-46	-158	-50	-48	-513	-293	-1,545	-5,580	
Isobutane	-103	-485	96	-	-1	-493	5	-195	-994	
Natural Gasoline	-	-	-	-	-	-	-	-	-	
Refinery Olefins	356	3,701	2,742	32	-	6,831	93	147	8,906	
Ethylene	-	4	-	-	-	4	-	-	22	
Propylene	363	4,017	2,686	32	-	7,098	-7	151	9,054	
Normal Butylene	-7	-279	56	-	-	-230	100	-4	-152	
Isobutylene	-	-41	-	-	-	-41	-	-	-18	
Finished Motor Gasoline	2,408	13,829	12,758	611	47	29,653	4,395	2,487	49,291	
Reformulated	-	-	-	-	-	-	-	596	1,111	
Reformulated Blended with Fuel Ethanol	-	-	-	-	-	-	-	596	1,111	
Reformulated Other	-	-	-	-	-	-	-	-	-	
Conventional	2,408	13,829	12,758	611	47	29,653	4,395	1,891	48,180	
Conventional Blended with Fuel Ethanol	2,077	423	1,722	554	47	4,823	2,506	404	13,320	
Ed55 and Lower	2,076	423	1,722	554	47	4,822	2,506	404	13,319	
Greater than Ed55	1	-	-	-	-	1	-	-	1	
Conventional Other	331	13,406	11,036	57	-	24,830	1,889	1,487	34,860	
Finished Aviation Gasoline	97	74	55	-	-	226	4	68	331	
Kerosene-Type Jet Fuel	853	9,463	7,202	236	-	17,754	775	8,785	34,910	
Kerosene	15	219	22	37	-	293	-	0	612	
Distillate Fuel Oil	6,040	41,986	29,537	2,225	1,042	80,830	6,061	16,193	142,657	
15 ppm sulfur and under	6,023	40,821	27,319	2,094	1,042	77,299	6,007	15,450	138,226	
Greater than 15 ppm to 500 ppm sulfur	17	228	772	83	-	1,100	83	295	1,536	
Greater than 500 ppm sulfur	-	937	1,446	48	-	2,431	-29	448	2,895	
Residual Fuel Oil	255	516	346	-54	59	1,122	353	1,718	4,960	
Less than 0.31 percent sulfur	220	-	-	-	-	220	212	33	536	
0.31 to 1.00 percent sulfur	-3	268	184	-54	-	395	15	609	2,084	
Greater than 1.00 percent sulfur	38	248	162	-	59	507	126	1,076	2,340	
Petrochemical Feedstocks	98	6,153	2,374	-	-	8,625	-	-	9,599	
Naphtha for Petro. Feed. Use	89	4,003	1,230	-	-	5,322	-	-	5,896	
Other Oils for Petro. Feed. Use	9	2,150	1,144	-	-	3,303	-	-	3,703	
Special Naphthas	60	652	-	209	-	921	-	15	944	
Lubricants	24	1,673	1,735	803	-	4,235	-	525	5,296	
Waxes	-	46	68	22	-	136	-	-	154	
Petroleum Coke	363	6,937	4,459	124	24	11,907	623	3,600	22,150	
Marketable	155	5,205	3,477	110	-	8,947	434	2,785	16,486	
Catalyst	208	1,732	982	14	24	2,960	189	815	5,664	
Asphalt and Road Oil	242	110	558	1,177	-16	2,071	1,090	761	8,928	
Still Gas	623	5,936	3,085	215	64	9,923	633	2,733	17,947	
Miscellaneous Products	148	827	390	13	47	1,425	104	343	2,427	
Total	11,478	94,182	67,280	5,619	1,250	179,809	14,070	36,503	310,962	
Processing Gain(-) or Loss(+) ¹	-562	-7,875	-6,710	-82	-62	-15,291	-546	-4,416	-28,399	

- = 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, December 2020
(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	1,169	-	1,169	104	67	458	629
Natural Gas Liquids	1,169	-	1,169	104	67	458	629
Normal Butane	834	-	834	104	67	361	532
Isobutane	-	-	-	-	-	-	-
Natural Gasoline	335	-	335	-	-	97	97
Other Liquids	79,237	4,785	84,022	39,919	7,535	11,548	59,002
Oxygenates/Renewables	8,686	518	9,204	4,287	867	1,308	6,462
Oxygenates (excluding Fuel Ethanol)	-	-	-	-	-	-	-
Methyl Tertiary Butyl Ether (MTBE)	-	-	-	-	-	-	-
All Other Oxygenates ¹	-	-	-	-	-	-	-
Renewable Fuels (including Fuel Ethanol)	8,686	518	9,204	4,287	867	1,308	6,462
Fuel Ethanol	8,345	477	8,822	4,169	835	1,263	6,267
Renewable Diesel Fuel ²	341	41	382	118	32	45	195
Other Renewable Fuels	-	-	-	-	-	-	-
Unfinished Oils (net)	-	-	-	137	-	-	137
Naphthas and Lighter	-	-	-	-	-	-	-
Kerosene and Light Gas Oils	-	-	-	-	-	-	-
Heavy Gas Oils	-	-	-	-	-	-	-
Residuum	-	-	-	137	-	-	137
Motor Gasoline Blend.Comp. (MGBC)(net)	70,551	4,267	74,818	35,495	6,668	10,240	52,403
Reformulated - RBOB	21,496	-	21,496	6,144	1,239	775	8,158
Conventional	49,055	4,267	53,322	29,351	5,429	9,465	44,245
CBOB	42,078	4,267	46,345	29,342	5,429	9,465	44,236
GTAB	963	-	963	-	-	-	-
Other	6,014	-	6,014	9	-	-	9
Aviation Gasoline Blend. Comp. (net)	-	-	-	-	-	-	-
Total Input	80,406	4,785	85,191	40,023	7,602	12,006	59,631

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	16	987	280	30	-	1,313	112	25	3,248
Natural Gas Liquids	16	987	280	30	-	1,313	112	25	3,248
Normal Butane	8	603	280	30	-	921	99	25	2,411
Isobutane	-	-	-	-	-	-	2	-	2
Natural Gasoline	8	384	-	-	-	392	11	-	835
Other Liquids	16,356	8,365	2,697	8,121	1,214	36,753	3,954	37,609	221,340
Oxygenates/Renewables	1,706	760	295	942	130	3,833	555	4,323	24,377
Oxygenates (excluding Fuel Ethanol)	-	-	-	-	-	-	-	-	-
Methyl Tertiary Butyl Ether (MTBE)	-	-	-	-	-	-	-	-	-
All Other Oxygenates ¹	-	-	-	-	-	-	-	-	-
Renewable Fuels (including Fuel Ethanol)	1,706	760	295	942	130	3,833	555	4,323	24,377
Fuel Ethanol	1,681	717	295	896	118	3,707	543	3,950	23,289
Renewable Diesel Fuel ²	25	43	-	46	12	126	12	363	1,078
Other Renewable Fuels	-	-	-	-	-	-	-	10	10
Unfinished Oils (net)	-	-364	-	-	-	-364	-	-	-227
Naphthas and Lighter	-	-	-	-	-	-	-	-	-
Kerosene and Light Gas Oils	-	-364	-	-	-	-364	-	-	-364
Heavy Gas Oils	-	-	-	-	-	-	-	-	-
Residuum	-	-	-	-	-	-	-	-	137
Motor Gasoline Blend.Comp. (MGBC)(net)	14,650	7,969	2,402	7,179	1,084	33,284	3,399	33,286	197,190
Reformulated - RBOB	5,935	6,150	-	12	-	12,097	-	23,650	65,401
Conventional	8,715	1,819	2,402	7,167	1,084	21,187	3,399	9,636	131,789
CBOB	8,715	-5,785	847	7,167	1,082	12,026	3,398	8,956	114,961
GTAB	-	-	-	-	-	-	-	-	963
Other	-	7,604	1,555	-	2	9,161	1	680	15,865
Aviation Gasoline Blend. Comp. (net)	-	-	-	-	-	-	-	-	-
Total Input	16,372	9,352	2,977	8,151	1,214	38,066	4,066	37,634	224,588

-- = 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, December 2020
(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	80,070	4,748	84,818	39,816	7,573	11,963	59,352
Reformulated	32,588	6	32,594	7,259	1,416	862	9,537
Reformulated Blended with Fuel Ethanol	32,588	6	32,594	7,259	1,416	862	9,537
Reformulated Other	-	-	-	-	-	-	-
Conventional	47,482	4,742	52,224	32,557	6,157	11,101	49,815
Conventional Blended with Fuel Ethanol	50,225	4,771	54,996	34,007	6,760	11,410	52,177
Ed55 and Lower	50,186	4,771	54,957	33,999	6,742	11,352	52,093
Greater than Ed55	39	-	39	8	18	58	84
Conventional Other	-2,743	-29	-2,772	-1,450	-603	-309	-2,362
Finished Aviation Gasoline	-	-	-	-	-	-	-
Kerosene-Type Jet Fuel	0	-4	-4	-27	-20	0	-47
Kerosene	-9	-2	-11	-2	-	-	-2
Distillate Fuel Oil	370	43	413	100	52	45	197
15 ppm sulfur and under	353	43	396	100	52	45	197
Greater than 15 ppm to 500 ppm sulfur	26	-	26	-	-	119	119
Greater than 500 ppm sulfur	-9	-	-9	-	-	-119	-119
Residual Fuel Oil	-23	-	-23	-	-	-	-
Less than 0.31 percent sulfur	-30	-	-30	-	-	-	-
0.31 to 1.00 percent sulfur	0	-	0	-	-	-	-
Greater than 1.00 percent sulfur	7	-	7	-	-	-	-
Special Naphthas	-	-	-	-	-	-	-
Lubricants	-	-	-	-	-	-	-
Asphalt and Road Oil	2	-	2	137	-	-	137
Miscellaneous Products	-	-	-	-	-	-	-
Total Production	80,410	4,785	85,195	40,024	7,605	12,008	59,637
Processing Gain(-) or Loss(+) ¹	-4	0	-4	-1	-3	-2	-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	16,350	9,676	2,977	8,105	1,203	38,311	4,055	37,269	223,805
Reformulated	6,524	5,707	-	-	-	12,231	-	27,045	81,407
Reformulated Blended with Fuel Ethanol	6,524	5,707	-	-	-	12,231	-	27,045	81,407
Reformulated Other	-	-	-	-	-	-	-	-	-
Conventional	9,826	3,969	2,977	8,105	1,203	26,080	4,055	10,224	142,398
Conventional Blended with Fuel Ethanol	10,051	1,445	2,968	8,934	1,252	24,650	5,444	12,021	149,288
Ed55 and Lower	10,037	1,445	2,968	8,926	1,252	24,628	5,434	11,984	149,096
Greater than Ed55	14	-	-	8	-	22	10	37	192
Conventional Other	-225	2,524	9	-829	-49	1,430	-1,389	-1,797	-6,890
Finished Aviation Gasoline	-	-	-	-	-	-	-	-	-
Kerosene-Type Jet Fuel	0	-3	5	-	-1	1	52	-31	-29
Kerosene	-	-	1	-	-	1	-	22	10
Distillate Fuel Oil	24	45	-7	47	13	122	-40	378	1,070
15 ppm sulfur and under	24	44	-6	47	13	122	-40	356	1,031
Greater than 15 ppm to 500 ppm sulfur	-	-	-	-	-	-	-	-	145
Greater than 500 ppm sulfur	-	1	-1	-	-	0	-	22	-106
Residual Fuel Oil	-	-365	-20	-	-	-385	-	0	-408
Less than 0.31 percent sulfur	-	-	1	-	-	1	-	34	5
0.31 to 1.00 percent sulfur	-	-	-	-	-	-	-	-1	-1
Greater than 1.00 percent sulfur	-	-365	-21	-	-	-386	-	-33	-412
Special Naphthas	-	-	-	-	-	-	-	-	-
Lubricants	-	-	-	-	-	-	-	-	-
Asphalt and Road Oil	-	-	21	-	-	21	-	-	160
Miscellaneous Products	-	-	-	-	-	-	-	-	-
Total Production	16,374	9,353	2,977	8,152	1,215	38,071	4,067	37,638	224,608
Processing Gain(-) or Loss(+) ¹	-2	-1	0	-1	-1	-5	-1	-4	-20

- = 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, December 2020
(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	4,846	731	5,577	9,933	1,748	2,041	13,722
Petroleum Products	9,389	1,895	11,284	28,213	6,473	10,431	45,117
Hydrocarbon Gas Liquids	710	39	749	2,629	483	1,333	4,445
Natural Gas Liquids	387	39	426	2,297	466	1,255	4,018
Ethane	—	—	—	—	—	—	—
Propane	72	3	75	560	25	751	1,336
Normal Butane	213	20	233	1,436	390	180	2,006
Isobutane	102	16	118	256	51	138	445
Natural Gasoline	—	—	—	45	—	186	231
Refinery Olefins	323	0	323	332	17	78	427
Ethylene	—	—	—	—	—	—	—
Propylene	145	0	145	290	17	74	381
Normal Butylene	136	0	136	42	0	4	46
Isobutylene	42	0	42	0	0	0	0
Oxygenates/Renewable Fuels/Other Hydrocarbons	132	109	241	63	67	27	157
Oxygenates (excluding Fuel Ethanol)	—	—	—	—	—	—	—
Methyl Tertiary Butyl Ether (MTBE)	—	—	—	—	—	—	—
All Other Oxygenates ¹	—	—	—	—	—	—	—
Renewable Fuels (including Fuel Ethanol)	132	109	241	50	67	27	144
Fuel Ethanol	132	102	234	28	50	22	100
Renewable Diesel Fuel ²	—	7	7	22	17	5	44
Other Renewable Fuels	—	—	—	—	—	—	—
Other Hydrocarbons	—	—	—	13	—	—	13
Unfinished Oils	2,639	366	3,005	7,126	734	3,543	11,403
Naphthas and Lighter	462	239	701	2,124	185	1,045	3,354
Kerosene and Light Gas Oils	347	—	347	1,438	312	416	2,166
Heavy Gas Oils	1,236	123	1,359	2,463	224	1,250	3,937
Residuum	594	4	598	1,101	13	832	1,946
Motor Gasoline Blending Components (MGBC)	3,274	231	3,505	7,752	1,570	2,741	12,063
Reformulated - RBOB	1,356	—	1,356	913	—	—	913
Conventional	1,918	231	2,149	6,839	1,570	2,741	11,150
CBOB	1	195	196	2,363	959	1,835	5,157
GTAB	—	—	—	—	—	—	—
Other	1,917	36	1,953	4,476	611	906	5,993
Aviation Gasoline Blending Components	—	—	—	—	—	—	—
Finished Motor Gasoline	—	34	34	883	259	306	1,448
Reformulated	—	—	—	—	—	—	—
Reformulated Blended with Fuel Ethanol	—	—	—	—	—	—	—
Reformulated Other	—	—	—	—	—	—	—
Conventional	—	34	34	883	259	306	1,448
Conventional Blended with Fuel Ethanol	—	—	—	—	—	—	—
Ed55 and Lower	—	—	—	—	—	—	—
Greater than Ed55	—	—	—	—	—	—	—
Conventional Other	—	34	34	883	259	306	1,448
Finished Aviation Gasoline	—	—	—	—	98	—	98
Kerosene-Type Jet Fuel	405	—	405	1,363	280	188	1,831
Kerosene	100	7	107	112	—	20	132
Distillate Fuel Oil	1,316	216	1,532	3,968	1,002	1,681	6,651
15 ppm sulfur and under	1,083	155	1,238	3,850	946	1,520	6,316
Greater than 15 ppm to 500 ppm sulfur	60	30	90	—	1	101	102
Greater than 500 ppm sulfur	173	31	204	118	55	60	233
Residual Fuel Oil	234	22	256	565	199	75	839
Less than 0.31 percent sulfur	—	21	21	67	—	—	67
0.31 to 1.00 percent sulfur	92	1	93	138	43	28	209
Greater than 1.00 percent sulfur	142	—	142	360	156	47	563
Petrochemical Feedstocks	—	—	—	604	—	—	604
Naphtha for Petro. Feed. Use	—	—	—	482	—	—	482
Other Oils for Petro. Feed. Use	—	—	—	122	—	—	122
Special Naphthas	—	21	21	66	—	15	81
Lubricants	371	238	609	—	—	188	188
Waxes	—	261	261	—	—	40	40
Petroleum Coke	—	—	—	574	973	88	1,635
Marketable	—	—	—	574	973	88	1,635
Catalyst	—	—	—	—	—	—	—
Asphalt and Road Oil	195	309	504	2,430	785	180	3,395
Miscellaneous Products	13	42	55	78	23	6	107
Total Stocks, All Oils	14,235	2,626	16,861	38,146	8,221	12,472	58,839

See footnotes at end of table.

Table 34. Refinery Stocks of Crude Oil and Petroleum Products by PAD and Refining Districts, December 2020
(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	1,977	26,457	15,491	1,087	265	45,277	2,516	17,263	84,355
Petroleum Products	9,919	56,619	42,318	3,881	951	113,688	10,767	44,325	225,181
Hydrocarbon Gas Liquids	2,536	1,971	1,464	16	38	6,025	490	1,266	12,975
Natural Gas Liquids	1,705	1,663	1,291	15	38	4,712	317	1,253	10,726
Ethane	116	—	—	—	—	116	—	—	116
Propane	127	403	84	3	3	620	42	71	2,144
Normal Butane	1,187	1,044	613	8	7	2,859	185	842	6,125
Isobutane	177	201	375	4	10	767	77	339	1,746
Natural Gasoline	98	15	219	—	18	350	13	1	595
Refinery Olefins	831	308	173	1	0	1,313	173	13	2,249
Ethylene	0	—	—	—	—	0	—	—	0
Propylene	822	49	78	1	0	950	0	11	1,487
Normal Butylene	9	259	95	0	0	363	173	2	720
Isobutylene	0	0	0	0	0	0	0	0	42
Oxygenates/Renewable Fuels/Other Hydrocarbons	48	24	118	52	6	248	133	299	1,078
Oxygenates (excluding Fuel Ethanol)	—	—	—	—	—	—	—	—	—
Methyl Tertiary Butyl Ether (MTBE)	—	—	—	—	—	—	—	—	—
All Other Oxygenates ¹	—	—	—	—	—	—	—	—	—
Renewable Fuels (including Fuel Ethanol)	48	24	118	52	6	248	133	299	1,065
Fuel Ethanol	37	14	76	32	2	161	127	65	687
Renewable Diesel Fuel ²	11	10	42	20	4	87	6	234	378
Other Renewable Fuels	—	—	—	—	—	—	—	—	—
Other Hydrocarbons	—	—	—	—	—	—	—	—	13
Unfinished Oils	2,005	21,137	15,004	873	420	39,439	2,688	15,359	71,894
Naphthas and Lighter	925	6,748	1,939	222	131	9,965	571	2,628	17,219
Kerosene and Light Gas Oils	312	3,129	2,108	172	111	5,832	431	2,532	11,308
Heavy Gas Oils	398	9,158	7,953	438	178	18,125	1,259	8,032	32,712
Residuum	370	2,102	3,004	41	—	5,517	427	2,167	10,655
Motor Gasoline Blending Components (MGBC)	2,593	13,019	11,009	367	207	27,195	3,657	13,049	59,469
Reformulated - RBOB	104	1,556	321	—	—	1,981	—	5,036	9,286
Conventional	2,489	11,463	10,688	367	207	25,214	3,657	8,013	50,183
CBOB	1,354	3,598	5,064	287	16	10,319	2,398	2,168	20,238
GTAB	—	—	—	—	—	—	—	—	—
Other	1,135	7,865	5,624	80	191	14,895	1,259	5,845	29,945
Aviation Gasoline Blending Components	24	—	7	—	—	31	—	—	31
Finished Motor Gasoline	151	1,326	1,488	29	—	2,994	903	805	6,184
Reformulated	—	—	—	—	—	—	—	18	18
Reformulated Blended with Fuel Ethanol	—	—	—	—	—	—	—	18	18
Reformulated Other	—	—	—	—	—	—	—	—	—
Conventional	151	1,326	1,488	29	—	2,994	903	787	6,166
Conventional Blended with Fuel Ethanol	—	—	—	—	—	—	68	—	68
Ed55 and Lower	—	—	—	—	—	—	68	—	68
Greater than Ed55	—	—	—	—	—	—	—	—	—
Conventional Other	151	1,326	1,488	29	—	2,994	835	787	6,098
Finished Aviation Gasoline	38	138	137	—	—	313	7	195	613
Kerosene-Type Jet Fuel	308	2,611	1,635	117	—	4,671	279	3,287	10,473
Kerosene	35	9	100	3	—	147	2	1	389
Distillate Fuel Oil	1,244	6,999	5,779	430	104	14,556	1,609	5,569	29,917
15 ppm sulfur and under	1,210	6,193	4,554	273	104	12,334	1,464	4,954	26,306
Greater than 15 ppm to 500 ppm sulfur	34	226	502	25	—	787	107	172	1,258
Greater than 500 ppm sulfur	—	580	723	132	—	1,435	38	443	2,353
Residual Fuel Oil	123	1,676	1,193	20	80	3,092	179	1,859	6,225
Less than 0.31 percent sulfur	13	—	17	—	—	30	23	23	164
0.31 to 1.00 percent sulfur	42	280	204	20	—	546	4	224	1,076
Greater than 1.00 percent sulfur	68	1,396	972	—	80	2,516	152	1,612	4,985
Petrochemical Feedstocks	118	1,590	554	20	—	2,282	—	2	2,888
Naphtha for Petro. Feed. Use	38	1,027	507	20	—	1,592	—	2	2,076
Other Oils for Petro. Feed. Use	80	563	47	—	—	690	—	—	812
Special Naphthas	150	570	—	92	—	812	—	48	962
Lubricants	47	2,008	1,740	696	—	4,491	—	666	5,954
Waxes	—	67	115	72	—	254	—	—	555
Petroleum Coke	14	3,171	1,471	—	—	4,656	196	1,216	7,703
Marketable	14	3,171	1,471	—	—	4,656	196	1,216	7,703
Catalyst	—	—	—	—	—	—	—	—	—
Asphalt and Road Oil	474	119	417	1,094	75	2,179	608	619	7,305
Miscellaneous Products	11	184	87	—	21	303	16	85	566
Total Stocks, All Oils	11,896	83,076	57,809	4,968	1,216	158,965	13,283	61,588	309,536

-- = 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, December 2020

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	2.0	-0.6	1.6	1.2	-1.7	-0.5	0.4
Finished Motor Gasoline ¹	52.7	39.1	50.7	53.5	53.3	52.6	53.2
Finished Aviation Gasoline ²	-	-	-	-	0.2	-	0.0
Kerosene-Type Jet Fuel	7.9	-	6.8	7.8	4.3	1.7	5.9
Kerosene	0.4	0.2	0.4	0.2	-	0.4	0.2
Distillate Fuel Oil ³	29.0	27.4	28.8	27.9	33.0	41.0	31.7
Residual Fuel Oil	5.3	0.1	4.5	0.9	1.0	0.5	0.8
Naphtha for Petro. Feed. Use	-	-	-	0.9	-	-	0.5
Other Oils for Petro. Feed. Use	-	-	-	0.5	-	0.1	0.4
Special Naphthas	-	0.4	0.1	0.0	-	0.1	0.0
Lubricants	0.4	7.5	1.4	-	-	1.0	0.2
Waxes	-	-0.5	-0.1	-	-	0.1	0.0
Petroleum Coke	3.4	0.6	3.0	5.4	6.6	3.4	5.1
Asphalt and Road Oil	1.9	22.3	4.8	4.3	6.9	0.8	3.8
Still Gas	4.5	1.3	4.0	3.4	4.2	4.0	3.6
Miscellaneous Products	0.2	1.3	0.4	0.5	0.8	0.2	0.5
Processing Gain(-) or Loss(+) ⁴	-7.7	0.9	-6.4	-6.5	-8.5	-5.3	-6.5

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	1.4	4.4	5.5	0.0	-0.7	4.4	0.2	-1.2	2.4
Finished Motor Gasoline ¹	52.7	44.6	44.1	29.3	56.7	44.7	47.2	50.5	47.9
Finished Aviation Gasoline ²	0.5	0.1	0.1	-	-	0.1	0.0	0.1	0.1
Kerosene-Type Jet Fuel	4.8	7.2	8.4	3.4	-	7.3	4.5	14.8	7.8
Kerosene	0.1	0.2	0.0	0.5	-	0.1	-	0.0	0.1
Distillate Fuel Oil ³	33.5	32.1	34.5	31.9	39.5	33.1	35.0	26.9	31.8
Residual Fuel Oil	1.4	0.4	0.4	-0.8	2.3	0.5	2.1	2.9	1.1
Naphtha for Petro. Feed. Use	0.5	3.1	1.4	-	-	2.2	-	-	1.3
Other Oils for Petro. Feed. Use	0.1	1.6	1.3	-	-	1.4	-	-	0.8
Special Naphthas	0.3	0.5	-	3.0	-	0.4	-	0.0	0.2
Lubricants	0.1	1.3	2.0	11.6	-	1.7	-	0.9	1.2
Waxes	-	0.0	0.1	0.3	-	0.1	-	-	0.0
Petroleum Coke	2.0	5.3	5.2	1.8	0.9	4.9	3.6	6.1	5.0
Asphalt and Road Oil	1.4	0.1	0.7	17.0	-0.6	0.9	6.4	1.3	2.0
Still Gas	3.5	4.5	3.6	3.1	2.4	4.1	3.7	4.6	4.0
Miscellaneous Products	0.8	0.6	0.5	0.0	2.0	0.6	0.6	0.6	0.5
Processing Gain(-) or Loss(+) ⁴	-3.2	-6.0	-7.9	-1.2	-2.4	-6.3	-3.2	-7.5	-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, December 2020
(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	—	944	944
Connecticut	—	—	—
Delaware	—	—	—
Florida	—	—	—
Georgia	—	—	—
Maine	—	—	—
Maryland	—	—	—
Massachusetts	—	—	—
New Hampshire	—	—	—
New Jersey	—	936	936
New York	—	8	8
North Carolina	—	—	—
Pennsylvania	—	—	—
Rhode Island	—	—	—
South Carolina	—	—	—
Vermont	—	—	—
Virginia	—	—	—
West Virginia	—	—	—
PAD District 2	19	103	122
Illinois	—	—	—
Indiana	—	—	—
Michigan	—	103	103
Minnesota	11	—	11
North Dakota	8	—	8
Ohio	—	—	—
Wisconsin	—	—	—
PAD District 3	65	1,637	1,702
Alabama	—	—	—
Louisiana	65	74	139
Mississippi	—	—	—
New Mexico	—	—	—
Texas	—	1,563	1,563
PAD District 4	—	—	—
Idaho	—	—	—
Montana	—	—	—
PAD District 5	45	113	158
Alaska	—	—	—
California	—	75	75
Hawaii	—	—	—
Oregon	—	—	—
Washington	45	38	83
U.S. Total	129	2,797	2,926

— = 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, December 2020
(Thousand Barrels, Except Where Noted)

Commodity	PAD Districts					U.S. Total	
	1	2	3	4	5	Total	Daily Average
Crude Oil^{1,2}	14,461	82,680	44,444	9,219	26,288	177,092	5,713
Hydrocarbon Gas Liquids	1,864	2,044	—	734	1,794	6,436	208
Natural Gas Liquids	1,605	1,845	—	734	1,794	5,978	193
Ethane	—	—	—	—	—	—	—
Propane	1,514	1,222	—	516	1,215	4,467	144
Normal Butane	49	559	—	205	579	1,392	45
Isobutane	42	59	—	13	—	114	4
Natural Gasoline	—	5	—	—	—	5	0
Refinery Olefins	259	199	—	—	—	458	15
Ethylene	—	—	—	—	—	—	—
Propylene	259	147	—	—	—	406	13
Normal Butylene	—	52	—	—	—	52	2
Isobutylene	—	—	—	—	—	—	—
Other Liquids	13,868	387	10,509	44	3,828	28,636	924
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	280	56	—	31	1,134	1,501	48
Hydrogen	—	—	—	—	—	—	—
Oxygenates (excluding Fuel Ethanol)	—	—	—	—	—	—	—
Methyl Tertiary Butyl Ether (MTBE)	—	—	—	—	—	—	—
Other Oxygenates ³	—	—	—	—	—	—	—
Renewable Fuels (including Fuel Ethanol)	280	56	—	31	1,134	1,501	48
Fuel Ethanol	—	—	—	—	254	254	8
Biodiesel	280	56	—	31	6	373	12
Other Renewable Diesel Fuel	—	—	—	—	874	874	28
Other Renewable Fuels	—	—	—	—	—	—	—
Other Hydrocarbons	—	—	—	—	—	—	—
Unfinished Oils ¹	1,133	—	9,548	—	1,143	11,824	381
Naphthas and Lighter	257	—	—	—	—	257	8
Kerosene and Lighter Gas Oils	—	—	36	—	—	36	1
Heavy Gas Oils	876	—	3,100	—	1,143	5,119	165
Residuum	—	—	6,412	—	—	6,412	207
Motor Gasoline Blend Comp. (MGBC)	12,455	331	961	13	1,551	15,311	494
Reformulated - RBOB	6,372	—	—	—	—	6,372	206
Conventional	6,083	331	961	13	1,551	8,939	288
CBOB	767	—	—	—	—	767	25
GTAB	1,973	—	—	—	—	1,973	64
Other	3,343	331	961	13	1,551	6,199	200
Aviation Gasoline Blend Comp.	—	—	—	—	—	—	—
Finished Petroleum Products	18,633	1,216	3,399	214	3,946	27,408	884
Finished Motor Gasoline	2,216	—	338	—	185	2,739	88
Reformulated	—	—	—	—	—	—	—
Reformulated Blended with Fuel Ethanol	—	—	—	—	—	—	—
Reformulated Other	—	—	—	—	—	—	—
Conventional	2,216	—	338	—	185	2,739	88
Conventional Blended with Fuel Ethanol	—	—	—	—	—	—	—
Ed55 and Lower	—	—	—	—	—	—	—
Greater than Ed55	—	—	—	—	—	—	—
Conventional Other	2,216	—	338	—	185	2,739	88
Finished Aviation Gasoline	1	3	—	1	3	8	0
Kerosene-Type Jet Fuel	1,344	—	—	26	2,867	4,237	137
Bonded Aircraft Fuel	130	—	—	—	30	160	5
Other	1,214	—	—	26	2,837	4,077	132
Kerosene	—	—	—	—	8	8	0
Distillate Fuel Oil	13,304	177	187	147	556	14,371	464
15 ppm sulfur and under	13,304	170	187	147	242	14,050	453
Bonded	—	19	—	—	—	19	1
Other	13,304	151	187	147	242	14,031	453
Greater than 15 ppm to 500 ppm sulfur	—	1	—	—	314	315	10
Bonded	—	—	—	—	—	—	—
Other	—	1	—	—	314	315	10
Greater than 500 ppm to 2000 ppm sulfur	—	6	—	—	—	6	0
Bonded	—	—	—	—	—	—	—
Other	—	6	—	—	—	6	0
Greater than 2000 ppm	—	—	—	—	—	—	—
Bonded	—	—	—	—	—	—	—
Other	—	—	—	—	—	—	—
Residual Fuel Oil	944	122	1,702	—	158	2,926	94
Less than 0.31 percent sulfur	—	—	—	—	—	—	—
0.31 to 1.00 percent sulfur	—	19	65	—	45	129	4
Greater than 1.00 percent sulfur	944	103	1,637	—	113	2,797	90
Petrochemical Feedstocks	5	148	171	—	37	361	12
Naphtha for Petro. Feed. Use	4	77	134	—	37	252	8
Other Oils for Petro. Feed. Use	1	71	37	—	—	109	4
Special Naphthas	2	6	199	—	—	207	7
Lubricants	125	162	682	—	77	1,046	34
Waxes	67	13	47	—	8	135	4
Petroleum Coke (Marketable)	2	53	69	—	—	124	4
Asphalt and Road Oil	623	532	4	39	47	1,245	40
Miscellaneous Products	—	—	—	1	—	1	0
Total	48,826	86,327	58,352	10,211	35,856	239,572	7,728

-- = 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-December 2020
(Thousand Barrels)

Commodity	PAD Districts					U.S. Total	
	1	2	3	4	5	Total	Daily Average
Crude Oil^{1,2}	162,298	884,270	651,168	109,905	343,167	2,150,808	5,877
Hydrocarbon Gas Liquids	14,115	22,364	195	4,719	16,023	57,416	157
Natural Gas Liquids	11,255	19,963	35	4,719	15,962	51,934	142
Ethane	—	—	—	—	—	—	—
Propane	10,388	15,530	35	3,853	10,621	40,427	110
Normal Butane	298	2,830	—	767	5,138	9,033	25
Isobutane	569	1,535	—	99	203	2,406	7
Natural Gasoline	—	68	—	—	—	68	0
Refinery Olefins	2,860	2,401	160	—	61	5,482	15
Ethylene	—	—	—	—	—	—	—
Propylene	2,860	1,841	—	—	—	4,701	13
Normal Butylene	—	560	160	—	61	781	2
Isobutylene	—	—	—	—	—	—	—
Other Liquids	176,073	3,751	172,039	1,282	34,809	387,954	1,060
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	2,169	1,121	349	471	10,729	14,839	41
Hydrogen	—	—	—	—	—	—	—
Oxygenates (excluding Fuel Ethanol)	—	—	—	—	—	—	—
Methyl Tertiary Butyl Ether (MTBE)	—	—	—	—	—	—	—
Other Oxygenates ³	—	—	—	—	—	—	—
Renewable Fuels (including Fuel Ethanol)	2,169	1,121	273	471	10,729	14,763	40
Fuel Ethanol	—	—	—	—	3,421	3,421	9
Biodiesel	2,169	1,121	273	471	650	4,684	13
Other Renewable Diesel Fuel	—	—	—	—	6,658	6,658	18
Other Renewable Fuels	—	—	—	—	—	—	—
Other Hydrocarbons	—	—	76	—	—	76	0
Unfinished Oils ¹	25,313	168	156,813	—	15,509	197,803	540
Naphthas and Lighter	4,562	—	2,147	—	172	6,881	19
Kerosene and Lighter Gas Oils	—	75	270	—	35	380	1
Heavy Gas Oils	20,748	93	47,214	—	12,804	80,859	221
Residuum	3	—	107,182	—	2,498	109,683	300
Motor Gasoline Blend.Comp. (MGBC)	148,591	2,462	14,877	811	8,571	175,312	479
Reformulated - RBOB	62,154	—	—	—	1,120	63,274	173
Conventional	86,437	2,462	14,877	811	7,451	112,038	306
CBOB	8,864	248	135	14	646	9,907	27
GTAB	20,319	—	933	—	230	21,482	59
Other	57,254	2,214	13,809	797	6,575	80,649	220
Aviation Gasoline Blend. Comp.	—	—	—	—	—	—	—
Finished Petroleum Products	147,355	12,970	64,563	2,266	52,411	279,565	764
Finished Motor Gasoline	31,441	37	932	26	6,072	38,508	105
Reformulated	—	—	—	—	—	—	—
Reformulated Blended with Fuel Ethanol	—	—	—	—	—	—	—
Reformulated Other	—	—	—	—	—	—	—
Conventional	31,441	37	932	26	6,072	38,508	105
Conventional Blended with Fuel Ethanol	—	—	—	—	—	—	—
Ed55 and Lower	—	—	—	—	—	—	—
Greater than Ed55	—	—	—	—	—	—	—
Conventional Other	31,441	37	932	26	6,072	38,508	105
Finished Aviation Gasoline	62	43	127	4	17	253	1
Kerosene-Type Jet Fuel	17,187	15	2,511	204	34,870	54,787	150
Bonded Aircraft Fuel	1,877	—	—	—	6,650	8,527	23
Other	15,310	15	2,511	204	28,220	46,260	126
Kerosene	303	—	—	—	48	351	1
Distillate Fuel Oil	68,815	2,466	234	1,680	6,022	79,217	216
15 ppm sulfur and under	67,441	2,309	234	1,679	5,393	77,056	211
Bonded	288	114	—	—	—	402	1
Other	67,153	2,195	234	1,679	5,393	76,654	209
Greater than 15 ppm to 500 ppm sulfur	1,111	1	—	—	622	1,734	5
Bonded	—	—	—	—	—	—	—
Other	1,111	1	—	—	622	1,734	5
Greater than 500 ppm to 2000 ppm sulfur	263	156	—	1	7	427	1
Bonded	—	—	—	—	—	—	—
Other	263	156	—	1	7	427	1
Greater than 2000 ppm	—	—	—	—	—	—	—
Bonded	—	—	—	—	—	—	—
Other	—	—	—	—	—	—	—
Residual Fuel Oil	16,550	1,054	39,354	—	3,629	60,587	166
Less than 0.31 percent sulfur	1,105	—	1,423	—	—	2,528	7
0.31 to 1.00 percent sulfur	6,883	435	5,115	—	915	13,348	36
Greater than 1.00 percent sulfur	8,562	619	32,816	—	2,714	44,711	122
Petrochemical Feedstocks	884	1,816	3,731	—	316	6,747	18
Naphtha for Petro. Feed. Use	874	987	3,315	—	316	5,492	15
Other Oils for Petro. Feed. Use	10	829	416	—	—	1,255	3
Special Naphthas	20	76	4,557	—	—	4,653	13
Lubricants	1,464	1,644	9,825	—	276	13,209	36
Waxes	875	158	382	—	298	1,713	5
Petroleum Coke (Marketable)	37	323	2,783	—	119	3,262	9
Asphalt and Road Oil	9,715	5,338	127	340	744	16,264	44
Miscellaneous Products	2	—	—	12	—	14	0
Total	499,841	923,355	887,965	118,172	446,410	2,875,743	7,857

-- = 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, December 2020
(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	10,426	55	-	-	-	-	-	-	100	100
Algeria	1,888	-	-	-	-	-	-	-	-	-
Angola	372	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea	-	55	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-
Iraq	2,762	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-	-
Nigeria	1,957	-	-	-	-	-	-	-	100	100
Saudi Arabia	3,447	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-	-
Non-OPEC	166,666	5,923	458	11,824	-	2,739	2,739	6,372	8,839	15,211
Argentina	-	-	-	40	-	-	-	-	-	-
Aruba	-	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-	-
Bahamas	-	-	-	-	-	-	-	-	-	-
Bahrain	-	-	-	-	-	-	-	-	-	-
Belgium	-	-	-	143	-	140	140	-	328	328
Brazil	4,458	-	-	-	-	-	-	-	606	606
Brunei	-	-	-	-	-	-	-	-	-	-
Cameroon	488	-	-	-	-	-	-	-	-	-
Canada	118,363	5,425	458	193	-	587	587	4,007	784	4,791
Chad	-	-	-	-	-	-	-	-	-	-
China	-	-	-	-	-	-	-	-	-	-
Colombia	5,983	-	-	-	-	-	-	-	-	-
Denmark	-	-	-	-	-	-	-	-	-	-
Ecuador	5,068	-	-	382	-	-	-	-	-	-
Egypt	-	-	-	1,027	-	-	-	-	-	-
Estonia	-	-	-	-	-	-	-	-	-	-
Finland	-	-	-	-	-	-	-	-	774	774
France	-	-	-	-	-	531	531	453	-	453
Germany	-	-	-	19	-	-	-	-	-	-
Guatemala	288	-	-	-	-	-	-	-	-	-
India	-	-	-	-	-	-	-	-	813	813
Indonesia	-	-	-	-	-	-	-	-	-	-
Italy	-	-	-	-	-	-	-	-	452	452
Korea, South	-	-	-	-	-	140	140	-	460	460
Latvia	-	-	-	-	-	-	-	-	-	-
Lithuania	-	-	-	-	-	-	-	-	317	317
Malaysia	-	-	-	-	-	-	-	-	-	-
Mexico	20,419	-	-	662	-	-	-	-	-	-
Netherlands	-	-	-	114	-	78	78	1,273	1,442	2,715
Norway	603	191	-	-	-	-	-	-	-	-
Oman	-	-	-	-	-	-	-	-	-	-
Portugal	-	-	-	-	-	842	842	-	-	-
Qatar	-	-	-	-	-	-	-	-	-	-
Russia	1,418	-	-	9,098	-	-	-	-	1,639	1,639
Spain	-	-	-	-	-	-	-	-	241	241
Sweden	-	-	-	-	-	-	-	-	-	-
Syria	-	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	1,068	-	-	-	-	-	-	-	-	-
United Kingdom	1,951	307	-	10	-	47	47	639	621	1,260
Vietnam	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	119	-	-	-	-	85	85
Yemen	-	-	-	-	-	-	-	-	-	-
Other	6,559	0	0	17	-	374	374	0	277	277
Total	177,092	5,978	458	11,824	-	2,739	2,739	6,372	8,939	15,311
Persian Gulf³	6,209	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Table 39. Imports of Crude Oil and Petroleum Products into the United States by Country of Origin, December 2020
(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	--	--	-	-	-	-	2,555	-	-	-	2,555
Algeria	--	--	-	-	-	-	-	-	-	-	-
Angola	--	--	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	--	--	-	-	-	-	-	-	-	-	-
Equatorial Guinea	--	--	-	-	-	-	-	-	-	-	-
Gabon	--	--	-	-	-	-	-	-	-	-	-
Iran	--	--	-	-	-	-	-	-	-	-	-
Iraq	--	--	-	-	-	-	-	-	-	-	-
Kuwait	--	--	-	-	-	-	-	-	-	-	-
Libya	--	--	-	-	-	-	-	-	-	-	-
Nigeria	--	--	-	-	-	-	831	-	-	-	831
Saudi Arabia	--	--	-	-	-	-	1,422	-	-	-	1,422
United Arab Emirates	--	--	-	-	-	-	302	-	-	-	302
Venezuela	--	--	-	-	-	-	-	-	-	-	-
Non-OPEC	--	--	254	373	874	-	11,495	315	6	-	11,816
Argentina	--	--	-	-	-	-	-	-	-	-	-
Aruba	--	--	-	-	-	-	-	-	-	-	-
Australia	--	--	-	-	-	-	-	-	-	-	-
Bahamas	--	--	-	-	-	-	-	-	-	-	-
Bahrain	--	--	-	-	-	-	-	-	-	-	-
Belgium	--	--	-	-	-	-	337	-	-	-	337
Brazil	--	--	254	-	-	-	-	-	-	-	-
Brunei	--	--	-	-	-	-	-	-	-	-	-
Cameroon	--	--	-	-	-	-	-	-	-	-	-
Canada	--	--	-	231	-	-	5,050	1	6	-	5,057
Chad	--	--	-	-	-	-	-	-	-	-	-
China	--	--	-	-	-	-	-	-	-	-	-
Colombia	--	--	-	-	-	-	392	-	-	-	392
Denmark	--	--	-	-	-	-	-	-	-	-	-
Ecuador	--	--	-	-	-	-	-	-	-	-	-
Egypt	--	--	-	-	-	-	-	-	-	-	-
Estonia	--	--	-	-	-	-	-	-	-	-	-
Finland	--	--	-	-	-	-	-	-	-	-	-
France	--	--	-	-	-	-	-	-	-	-	-
Germany	--	--	-	142	-	-	12	-	-	-	12
Guatemala	--	--	-	-	-	-	-	-	-	-	-
India	--	--	-	-	-	-	1,919	-	-	-	1,919
Indonesia	--	--	-	-	-	-	446	-	-	-	446
Italy	--	--	-	-	-	-	29	-	-	-	29
Korea, South	--	--	-	-	-	-	209	314	-	-	523
Latvia	--	--	-	-	-	-	-	-	-	-	-
Lithuania	--	--	-	-	-	-	-	-	-	-	-
Malaysia	--	--	-	-	-	-	182	-	-	-	182
Mexico	--	--	-	-	-	-	-	-	-	-	-
Netherlands	--	--	-	-	-	-	950	-	-	-	950
Norway	--	--	-	-	-	-	-	-	-	-	-
Oman	--	--	-	-	-	-	23	-	-	-	23
Portugal	--	--	-	-	-	-	-	-	-	-	-
Qatar	--	--	-	-	-	-	1,196	-	-	-	1,196
Russia	--	--	-	-	-	-	678	-	-	-	678
Spain	--	--	-	-	-	-	-	-	-	-	-
Sweden	--	--	-	-	-	-	44	-	-	-	44
Syria	--	--	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	--	--	-	-	-	-	-	-	-	-	-
United Kingdom	--	--	-	-	-	-	-	-	-	-	-
Vietnam	--	--	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	--	--	-	-	-	-	-	-	-	-	-
Yemen	--	--	-	-	-	-	-	-	-	-	-
Other	--	--	0	0	874	-	28	0	0	-	28
Total	--	--	254	373	874	-	14,050	315	6	-	14,371
Persian Gulf³	--	--	-	-	-	-	2,920	-	-	-	2,920

See footnotes at end of table.

Table 39. Imports of Crude Oil and Petroleum Products into the United States by Country of Origin, December 2020
(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	—	—	—	1,112	45	—	—	2	2
Algeria	—	—	—	—	—	—	—	—	—
Angola	—	—	—	—	—	—	—	—	—
Congo (Brazzaville)	—	—	—	—	—	—	—	—	—
Equatorial Guinea	—	—	—	—	—	—	—	—	—
Gabon	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	—	—
Iraq	—	—	—	—	—	—	—	—	—
Kuwait	—	—	—	—	—	—	—	—	—
Libya	—	—	—	—	—	—	—	—	—
Nigeria	—	—	—	—	—	—	—	2	2
Saudi Arabia	—	—	—	987	45	—	—	—	—
United Arab Emirates	—	—	—	125	—	—	—	—	—
Venezuela	—	—	—	—	—	—	—	—	—
Non-OPEC	8	8	—	3,125	162	—	129	2,795	2,924
Argentina	—	—	—	—	—	—	—	—	—
Aruba	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—
Bahamas	—	—	—	—	—	—	—	—	—
Bahrain	—	—	—	—	—	—	—	—	—
Belgium	—	—	—	—	—	—	—	224	224
Brazil	—	—	—	—	20	—	—	11	11
Brunei	—	—	—	—	—	—	—	—	—
Cameroon	—	—	—	—	—	—	—	—	—
Canada	—	8	—	421	76	—	64	258	322
Chad	—	—	—	—	—	—	—	—	—
China	—	—	—	—	—	—	—	—	—
Colombia	—	—	—	146	—	—	—	271	271
Denmark	—	—	—	—	—	—	—	—	—
Ecuador	—	—	—	—	—	—	—	—	—
Egypt	—	—	—	—	—	—	—	—	—
Estonia	—	—	—	—	—	—	—	—	—
Finland	—	—	—	—	—	—	—	—	—
France	—	—	—	—	—	—	—	—	—
Germany	—	—	—	—	—	—	—	35	35
Guatemala	—	—	—	—	—	—	—	—	—
India	—	—	—	—	45	—	—	—	—
Indonesia	—	—	—	—	—	—	—	—	—
Italy	—	—	—	—	—	—	—	—	—
Korea, South	8	—	—	2,228	12	—	—	—	—
Latvia	—	—	—	—	—	—	—	—	—
Lithuania	—	—	—	—	—	—	—	—	—
Malaysia	—	—	—	320	—	—	—	—	—
Mexico	—	—	—	10	—	—	—	1,757	1,757
Netherlands	—	—	—	—	—	—	—	215	215
Norway	—	—	—	—	—	—	—	—	—
Oman	—	—	—	—	—	—	—	—	—
Portugal	—	—	—	—	—	—	—	—	—
Qatar	—	—	—	—	—	—	—	—	—
Russia	—	—	—	—	—	—	65	—	65
Spain	—	—	—	—	—	—	—	—	—
Sweden	—	—	—	—	—	—	—	—	—
Syria	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	—	—	—	—	—	—
United Kingdom	—	—	—	—	—	—	—	18	18
Vietnam	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—
Yemen	—	—	—	—	—	—	—	—	—
Other	0	0	—	0	9	—	0	6	6
Total	8	8	—	4,237	207	—	129	2,797	2,926
Persian Gulf⁶	—	—	—	1,112	45	—	—	—	—

See footnotes at end of table.

Table 39. Imports of Crude Oil and Petroleum Products into the United States by Country of Origin, December 2020
(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	—	—	—	—	—	187	—	4,056	14,482	336	131	467
Algeria	—	—	—	—	—	—	—	—	1,888	61	—	61
Angola	—	—	—	—	—	—	—	—	372	12	—	12
Congo (Brazzaville)	—	—	—	—	—	—	—	—	—	—	—	—
Equatorial Guinea	—	—	—	—	—	—	—	55	55	—	2	2
Gabon	—	—	—	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	—	—	—	—	—
Iraq	—	—	—	—	—	—	—	—	2,762	89	—	89
Kuwait	—	—	—	—	—	—	—	—	—	—	—	—
Libya	—	—	—	—	—	—	—	—	—	—	—	—
Nigeria	—	—	—	—	—	—	—	933	2,890	63	30	93
Saudi Arabia	—	—	—	—	—	—	—	2,454	5,901	111	79	190
United Arab Emirates	—	—	—	—	—	187	—	614	614	—	20	20
Venezuela	—	—	—	—	—	—	—	—	—	—	—	—
Non-OPEC	252	109	135	124	1,245	859	1	58,424	225,090	5,376	1,885	7,261
Argentina	—	19	—	69	—	—	—	128	128	—	4	4
Aruba	—	—	—	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—	—	—	—
Bahamas	—	—	—	—	—	—	—	—	—	—	—	—
Bahrain	—	—	—	—	—	—	—	—	—	—	—	—
Belgium	—	—	—	—	—	2	—	1,174	1,174	—	38	38
Brazil	—	—	—	—	—	—	—	891	5,349	144	29	173
Brunei	—	—	—	—	—	—	—	—	—	—	—	—
Cameroon	—	—	—	—	—	—	—	—	488	16	—	16
Canada	78	72	73	52	1,207	240	1	19,292	137,655	3,818	622	4,440
Chad	—	—	—	—	—	—	—	—	—	—	—	—
China	—	—	2	—	—	—	—	2	2	—	0	0
Colombia	—	—	—	—	4	—	—	813	6,796	193	26	219
Denmark	—	—	—	—	—	—	—	—	—	—	—	—
Ecuador	—	—	—	—	—	—	—	382	5,450	163	12	176
Egypt	—	—	—	—	—	—	—	1,027	1,027	—	33	33
Estonia	—	—	—	—	—	—	—	—	—	—	—	—
Finland	—	—	—	—	—	—	—	774	774	—	25	25
France	—	18	—	—	—	—	—	1,013	1,013	—	33	33
Germany	—	—	—	—	—	19	—	227	227	—	7	7
Guatemala	—	—	—	—	—	—	—	—	288	9	—	9
India	—	—	—	—	—	—	—	2,777	2,777	—	90	90
Indonesia	—	—	—	—	—	61	—	507	507	—	16	16
Italy	—	—	16	—	—	8	—	505	505	—	16	16
Korea, South	41	—	1	—	—	411	—	3,824	3,824	—	123	123
Latvia	—	—	—	—	—	—	—	—	—	—	—	—
Lithuania	—	—	—	—	—	—	—	317	317	—	10	10
Malaysia	—	—	12	—	—	—	—	514	514	—	17	17
Mexico	84	—	—	—	—	—	—	2,513	22,932	659	81	740
Netherlands	9	—	—	—	—	—	1	4,082	4,082	—	132	132
Norway	—	—	—	—	—	—	—	191	794	19	6	26
Oman	—	—	—	—	—	—	—	23	23	—	1	1
Portugal	—	—	—	—	—	—	—	842	842	—	27	27
Qatar	—	—	—	—	—	51	—	1,247	1,247	—	40	40
Russia	—	—	—	—	—	—	—	11,480	12,898	46	370	416
Spain	—	—	3	—	—	—	—	244	244	—	8	8
Sweden	—	—	—	3	—	—	—	47	47	—	2	2
Syria	—	—	—	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	—	—	—	—	—	1,068	34	—	34
United Kingdom	3	—	—	—	—	—	—	1,645	3,596	63	53	116
Vietnam	—	—	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	204	204	—	7	7
Yemen	—	—	—	—	—	—	—	—	—	—	—	—
Other	37	0	28	0	34	55	0	1,739	8,298	212	57	267
Total	252	109	135	124	1,245	1,046	1	62,480	239,572	5,713	2,015	7,728
Persian Gulf⁶	—	—	—	—	—	238	—	4,315	10,524	200	139	339

-- = 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 40. Year-to-Date Imports of Crude Oil and Petroleum Products into the United States by Country of Origin, January-December 2020
(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	298,716	1,160	-	3,995	-	920	920	324	6,171	6,495
Algeria	2,445	-	-	991	-	-	-	-	1,524	1,524
Angola	10,196	-	-	-	-	-	-	-	902	902
Congo (Brazzaville)	1,898	-	-	-	-	-	-	-	-	-
Equatorial Guinea	-	955	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	1,111	1,111
Iraq	64,893	-	-	-	-	-	-	-	-	-
Kuwait	7,546	-	-	717	-	-	-	-	-	-
Libya	3,115	-	-	3	-	-	-	-	-	-
Nigeria	24,422	-	-	615	-	-	-	-	1,026	1,026
Saudi Arabia	182,255	-	-	1,207	-	920	920	324	1,021	1,345
United Arab Emirates	1,946	205	-	462	-	-	-	-	587	587
Venezuela	-	-	-	-	-	-	-	-	-	-
Non-OPEC	1,852,092	50,774	5,482	193,808	-	37,588	37,588	62,950	105,867	168,817
Argentina	12,409	-	-	138	-	138	138	-	391	391
Aruba	-	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-	-
Bahamas	1,007	-	-	-	-	-	-	-	248	248
Bahrain	-	-	-	-	-	-	-	-	-	-
Belgium	-	-	-	3,781	-	1,401	1,401	1,869	2,711	4,580
Brazil	28,220	-	-	23	-	2,904	2,904	30	8,094	8,124
Brunei	5,429	-	-	-	-	-	-	-	-	-
Cameroon	6,958	-	-	-	-	-	-	-	-	-
Canada	1,316,909	48,848	5,322	1,784	-	6,056	6,056	37,141	12,148	49,289
Chad	-	-	-	-	-	-	-	-	-	-
China	-	-	-	-	-	-	-	-	-	-
Colombia	90,726	-	-	2,766	-	108	108	-	1,149	1,149
Denmark	-	-	-	205	-	38	38	18	25	43
Ecuador	61,790	-	-	5,331	-	-	-	-	-	-
Egypt	1,019	-	-	6,931	-	250	250	-	-	-
Estonia	-	-	-	-	-	-	-	-	-	-
Finland	-	-	-	221	-	232	232	63	5,089	5,152
France	-	-	-	-	-	4,125	4,125	2,974	35	3,009
Germany	-	-	-	672	-	67	67	73	659	732
Guatemala	1,401	-	-	-	-	-	-	-	-	-
India	-	-	-	413	-	333	333	60	20,522	20,582
Indonesia	-	-	-	-	-	-	-	-	-	-
Italy	346	-	-	2,445	-	105	105	278	5,473	5,751
Korea, South	-	-	-	-	-	2,060	2,060	591	3,576	4,167
Latvia	-	-	-	-	-	59	59	-	34	34
Lithuania	-	-	-	-	-	438	438	-	1,621	1,621
Malaysia	-	-	-	1,665	-	-	-	-	32	32
Mexico	240,128	-	160	12,606	-	-	-	506	1,110	1,616
Netherlands	-	-	-	1,470	-	3,822	3,822	8,471	10,000	18,471
Norway	5,067	1,183	-	1,116	-	375	375	435	2,282	2,717
Oman	-	-	-	-	-	-	-	-	-	-
Portugal	-	-	-	425	-	6,602	6,602	980	1,154	2,134
Qatar	-	-	-	-	-	-	-	-	-	-
Russia	26,876	-	-	140,542	-	2,026	2,026	765	10,082	10,847
Spain	-	-	-	1,111	-	2,970	2,970	217	5,208	5,425
Sweden	-	-	-	2,180	-	723	723	62	1,408	1,470
Syria	-	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	13,888	167	-	-	-	-	-	-	-	-
United Kingdom	10,231	541	-	2,773	-	1,124	1,124	8,391	6,388	14,779
Vietnam	614	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	119	-	-	-	-	85	85
Yemen	-	-	-	-	-	-	-	-	-	-
Other	29,074	35	0	5,091	-	1,632	1,632	26	6,343	6,369
Total	2,150,808	51,934	5,482	197,803	-	38,508	38,508	63,274	112,038	175,312
Persian Gulf³	256,640	205	-	2,386	-	920	920	324	2,719	3,043

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-December 2020
(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	--	--	-	-	-	-	4,491	-	-	-	4,491
Algeria	--	--	-	-	-	-	-	-	-	-	-
Angola	--	--	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	--	--	-	-	-	-	-	-	-	-	-
Equatorial Guinea	--	--	-	-	-	-	-	-	-	-	-
Gabon	--	--	-	-	-	-	-	-	-	-	-
Iran	--	--	-	-	-	-	-	-	-	-	-
Iraq	--	--	-	-	-	-	-	-	-	-	-
Kuwait	--	--	-	-	-	-	-	-	-	-	-
Libya	--	--	-	-	-	-	-	-	-	-	-
Nigeria	--	--	-	-	-	-	1,408	-	-	-	1,408
Saudi Arabia	--	--	-	-	-	-	1,827	-	-	-	1,827
United Arab Emirates	--	--	-	-	-	-	1,256	-	-	-	1,256
Venezuela	--	--	-	-	-	-	-	-	-	-	-
Non-OPEC	--	--	3,421	4,684	6,658	-	72,565	1,734	427	-	74,726
Argentina	--	--	-	-	-	-	-	-	-	-	-
Aruba	--	--	-	-	-	-	-	-	-	-	-
Australia	--	--	-	-	-	-	-	-	-	-	-
Bahamas	--	--	-	-	-	-	301	-	-	-	301
Bahrain	--	--	-	-	-	-	-	-	-	-	-
Belgium	--	--	-	-	-	-	1,482	-	-	-	1,482
Brazil	--	--	3,421	-	-	-	-	-	-	-	-
Brunei	--	--	-	-	-	-	-	-	-	-	-
Cameroon	--	--	-	-	-	-	-	-	-	-	-
Canada	--	--	-	2,750	-	-	46,047	331	164	-	46,542
Chad	--	--	-	-	-	-	-	-	-	-	-
China	--	--	-	-	-	-	218	308	-	-	526
Colombia	--	--	-	-	-	-	7,039	-	-	-	7,039
Denmark	--	--	-	-	-	-	-	-	-	-	-
Ecuador	--	--	-	-	-	-	-	-	-	-	-
Egypt	--	--	-	-	-	-	-	-	-	-	-
Estonia	--	--	-	-	-	-	-	-	-	-	-
Finland	--	--	-	-	-	-	-	-	-	-	-
France	--	--	-	-	-	-	-	-	-	-	-
Germany	--	--	-	1,126	-	-	12	-	-	-	12
Guatemala	--	--	-	-	-	-	-	-	-	-	-
India	--	--	-	-	-	-	3,409	781	-	-	4,190
Indonesia	--	--	-	-	-	-	1,310	-	-	-	1,310
Italy	--	--	-	-	-	-	596	-	-	-	596
Korea, South	--	--	-	606	-	-	2,547	314	-	-	2,861
Latvia	--	--	-	-	-	-	-	-	-	-	-
Lithuania	--	--	-	-	-	-	-	-	-	-	-
Malaysia	--	--	-	-	-	-	1,385	-	-	-	1,385
Mexico	--	--	-	-	-	-	2	-	-	-	2
Netherlands	--	--	-	-	-	-	1,741	-	263	-	2,004
Norway	--	--	-	-	-	-	-	-	-	-	-
Oman	--	--	-	-	-	-	102	-	-	-	102
Portugal	--	--	-	-	-	-	-	-	-	-	-
Qatar	--	--	-	-	-	-	2,181	-	-	-	2,181
Russia	--	--	-	-	-	-	3,207	-	-	-	3,207
Spain	--	--	-	199	-	-	640	-	-	-	640
Sweden	--	--	-	-	-	-	44	-	-	-	44
Syria	--	--	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	--	--	-	-	-	-	-	-	-	-	-
United Kingdom	--	--	-	-	-	-	-	-	-	-	-
Vietnam	--	--	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	--	--	-	-	-	-	-	-	-	-	-
Yemen	--	--	-	-	-	-	-	-	-	-	-
Other	--	--	0	3	6,658	-	302	0	0	-	302
Total	--	--	3,421	4,684	6,658	-	77,056	1,734	427	-	79,217
Persian Gulf³	--	--	-	-	-	-	5,264	-	-	-	5,264

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-December 2020
(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	—	—	—	5,629	365	11	282	984	1,277
Algeria	—	—	—	295	—	11	226	15	252
Angola	—	—	—	231	—	—	—	—	—
Congo (Brazzaville)	—	—	—	—	—	—	4	—	4
Equatorial Guinea	—	—	—	—	—	—	—	—	—
Gabon	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	—	—
Iraq	—	—	—	42	—	—	—	—	—
Kuwait	—	—	—	1,998	—	—	—	—	—
Libya	—	—	—	—	—	—	—	—	—
Nigeria	—	—	—	—	—	—	52	2	54
Saudi Arabia	—	—	—	2,246	365	—	—	658	658
United Arab Emirates	—	—	—	817	—	—	—	309	309
Venezuela	—	—	—	—	—	—	—	—	—
Non-OPEC	351	253	—	49,158	4,288	2,517	13,066	43,727	59,310
Argentina	—	—	—	125	—	314	517	—	831
Aruba	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—
Bahamas	—	—	—	—	—	—	174	1,817	1,991
Bahrain	—	—	—	—	—	—	—	—	—
Belgium	—	—	—	—	—	—	106	635	741
Brazil	—	—	—	3	405	35	1,160	765	1,960
Brunei	—	—	—	1,391	—	—	—	—	—
Cameroon	—	—	—	—	—	—	—	—	—
Canada	20	76	—	3,152	635	683	1,574	5,090	7,347
Chad	—	—	—	—	—	—	—	—	—
China	—	—	—	312	—	—	—	1	1
Colombia	—	—	—	482	—	6	50	1,166	1,222
Denmark	—	—	—	—	—	—	833	—	833
Ecuador	—	—	—	15	—	—	—	763	763
Egypt	—	—	—	—	—	—	—	2,896	2,896
Estonia	—	—	—	—	—	—	55	—	55
Finland	—	—	—	—	—	—	149	—	149
France	—	—	—	—	34	—	280	—	280
Germany	—	—	—	—	58	—	139	105	244
Guatemala	—	—	—	5	—	—	—	—	—
India	—	—	—	3,219	230	—	—	—	—
Indonesia	—	—	—	—	—	—	—	—	—
Italy	—	—	—	744	—	—	66	107	173
Korea, South	28	—	—	28,816	2,164	—	—	—	—
Latvia	—	—	—	—	—	—	—	76	76
Lithuania	—	—	—	—	—	—	—	431	431
Malaysia	—	—	—	320	—	—	—	—	—
Mexico	—	—	—	89	67	1,068	221	16,488	17,777
Netherlands	—	177	—	—	4	—	1,176	1,512	2,688
Norway	—	—	—	—	—	—	—	126	126
Oman	—	—	—	—	—	—	—	—	—
Portugal	—	—	—	—	—	—	495	—	495
Qatar	—	—	—	992	—	—	—	—	—
Russia	—	—	—	80	—	408	3,425	9,488	13,321
Spain	—	—	—	—	26	—	—	185	185
Sweden	—	—	—	—	—	—	1,114	—	1,114
Syria	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	100	—	—	—	—	—
United Kingdom	—	—	—	607	29	—	692	112	804
Vietnam	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—
Yemen	—	—	—	—	—	—	—	—	—
Other	303	0	—	8,706	636	3	840	1,964	2,807
Total	351	253	—	54,787	4,653	2,528	13,348	44,711	60,587
Persian Gulf³	—	—	—	6,095	365	—	—	967	967

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-December 2020
(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	77	-	3	-	-	1,491	-	25,903	324,619	816	71	887
Algeria	-	-	-	-	-	-	-	3,062	5,507	7	8	15
Angola	-	-	-	-	-	-	-	1,133	11,329	28	3	31
Congo (Brazzaville)	-	-	-	-	-	-	-	4	1,902	5	0	5
Equatorial Guinea	-	-	-	-	-	-	-	955	955	-	3	3
Gabon	-	-	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	1,111	1,111	-	3	3
Iraq	-	-	-	-	-	-	-	42	64,935	177	0	177
Kuwait	-	-	-	-	-	-	-	2,715	10,261	21	7	28
Libya	-	-	-	-	-	-	-	3	3,118	9	0	9
Nigeria	-	-	-	-	-	-	-	3,103	27,525	67	8	75
Saudi Arabia	77	-	3	-	-	-	-	8,684	190,939	498	24	522
United Arab Emirates	-	-	-	-	-	1,455	-	5,091	7,037	5	14	19
Venezuela	-	-	-	-	-	-	-	-	-	-	-	-
Non-OPEC	5,415	1,255	1,710	3,262	16,264	11,718	14	699,032	2,551,124	5,060	1,910	6,970
Argentina	-	162	-	1,620	-	13	-	3,418	15,827	34	9	43
Aruba	-	-	-	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-	-	-	-
Bahamas	-	-	-	-	-	-	-	2,540	3,547	3	7	10
Bahrain	-	-	-	-	-	415	-	415	415	-	1	1
Belgium	8	-	-	-	-	157	-	12,151	12,151	-	33	33
Brazil	-	26	-	598	-	-	-	17,499	45,719	77	48	125
Brunei	-	-	-	-	-	-	-	1,391	6,820	15	4	19
Cameroon	-	-	-	-	-	-	-	-	6,958	19	-	19
Canada	988	839	755	439	14,353	2,565	14	191,774	1,508,683	3,598	524	4,122
Chad	-	-	-	-	-	-	-	-	-	-	-	-
China	-	-	306	-	-	-	-	1,145	1,145	-	3	3
Colombia	-	-	-	-	373	-	-	13,139	103,865	248	36	284
Denmark	-	-	-	-	-	-	-	1,119	1,119	-	3	3
Ecuador	-	-	-	-	-	-	-	6,109	67,899	169	17	186
Egypt	-	-	20	-	-	-	-	10,097	11,116	3	28	30
Estonia	-	-	-	-	-	-	-	55	55	-	0	0
Finland	-	-	-	-	-	20	-	5,774	5,774	-	16	16
France	3	228	10	-	-	95	-	7,784	7,784	-	21	21
Germany	-	-	15	229	-	158	-	3,313	3,313	-	9	9
Guatemala	-	-	-	-	-	-	-	5	1,406	4	0	4
India	-	-	-	-	-	-	-	28,967	28,967	-	79	79
Indonesia	-	-	-	-	-	1,109	-	2,419	2,419	-	7	7
Italy	-	-	64	-	141	184	-	10,203	10,549	1	28	29
Korea, South	208	-	10	-	-	3,402	-	44,322	44,322	-	121	121
Latvia	-	-	-	-	-	-	-	169	169	-	0	0
Lithuania	-	-	-	-	-	-	-	2,490	2,490	-	7	7
Malaysia	-	-	51	-	-	1	-	3,454	3,454	-	9	9
Mexico	1,904	-	-	-	-	-	-	34,221	274,349	656	94	750
Netherlands	928	-	-	130	-	406	-	30,156	30,156	-	82	82
Norway	1	-	-	-	-	-	-	5,518	10,585	14	15	29
Oman	-	-	-	200	-	-	-	302	302	-	1	1
Portugal	-	-	-	-	-	41	-	9,697	9,697	-	26	26
Qatar	-	-	-	-	-	2,906	-	6,079	6,079	-	17	17
Russia	-	-	-	-	-	28	-	170,051	196,927	73	465	538
Spain	-	-	15	-	422	38	-	11,031	11,031	-	30	30
Sweden	-	-	-	35	-	5	-	5,571	5,571	-	15	15
Syria	-	-	-	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	-	-	-	-	-	-	-	267	14,155	38	1	39
United Kingdom	86	-	119	8	-	113	-	20,983	31,214	28	57	85
Vietnam	-	-	-	-	-	-	-	-	614	2	-	2
Virgin Islands, U.S.	-	-	-	-	-	-	-	204	204	-	1	1
Yemen	-	-	-	-	-	-	-	-	-	-	-	-
Other	1,289	0	345	3	975	62	0	35,200	64,274	78	96	175
Total	5,492	1,255	1,713	3,262	16,264	13,209	14	724,935	2,875,743	5,877	1,981	7,857
Persian Gulf³	77	-	3	-	-	4,812	-	24,137	280,777	701	66	767

-- = 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, December 2020
(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	2,889	-	-	-	-	-	-	-	100	100
Algeria	1,888	-	-	-	-	-	-	-	-	-
Angola	6	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea	-	-	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-	-
Nigeria	995	-	-	-	-	-	-	-	100	100
Saudi Arabia	-	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-	-
Non-OPEC	11,572	1,605	259	1,133	-	2,216	2,216	6,372	5,983	12,355
Argentina	-	-	-	32	-	-	-	-	-	-
Aruba	-	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-	-
Bahamas	-	-	-	-	-	-	-	-	-	-
Bahrain	-	-	-	-	-	-	-	-	-	-
Belgium	-	-	-	-	-	140	140	-	328	328
Brazil	-	-	-	-	-	-	-	-	310	310
Brunei	-	-	-	-	-	-	-	-	-	-
Cameroon	488	-	-	-	-	-	-	-	-	-
Canada	4,470	1,107	259	12	-	542	542	4,007	415	4,422
Chad	-	-	-	-	-	-	-	-	-	-
China	-	-	-	-	-	-	-	-	-	-
Colombia	-	-	-	-	-	-	-	-	-	-
Denmark	-	-	-	-	-	-	-	-	-	-
Ecuador	-	-	-	-	-	-	-	-	-	-
Egypt	-	-	-	-	-	-	-	-	-	-
Estonia	-	-	-	-	-	-	-	-	-	-
Finland	-	-	-	-	-	-	-	-	467	467
France	-	-	-	-	-	531	531	453	-	453
Germany	-	-	-	-	-	-	-	-	-	-
Guatemala	-	-	-	-	-	-	-	-	-	-
India	-	-	-	-	-	-	-	-	189	189
Indonesia	-	-	-	-	-	-	-	-	-	-
Italy	-	-	-	-	-	-	-	-	311	311
Korea, South	-	-	-	-	-	-	-	-	-	-
Latvia	-	-	-	-	-	-	-	-	-	-
Lithuania	-	-	-	-	-	-	-	-	317	317
Malaysia	-	-	-	-	-	-	-	-	-	-
Mexico	2,001	-	-	-	-	-	-	-	-	-
Netherlands	-	-	-	59	-	78	78	1,273	1,248	2,521
Norway	603	191	-	-	-	-	-	-	-	-
Oman	-	-	-	-	-	-	-	-	-	-
Portugal	-	-	-	-	-	842	842	-	-	-
Qatar	-	-	-	-	-	-	-	-	-	-
Russia	-	-	-	911	-	-	-	-	1,207	1,207
Spain	-	-	-	-	-	-	-	-	241	241
Sweden	-	-	-	-	-	-	-	-	-	-
Syria	-	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	522	-	-	-	-	-	-	-	-	-
United Kingdom	1,354	-	-	-	-	47	47	639	621	1,260
Vietnam	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	119	-	-	-	-	85	85
Yemen	-	-	-	-	-	-	-	-	-	-
Other	2,134	307	0	0	-	36	36	0	244	244
Total	14,461	1,605	259	1,133	-	2,216	2,216	6,372	6,083	12,455
Persian Gulf³	-	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Table 41. PAD District 1 - Imports of Crude Oil and Petroleum Products by Country of Origin, December 2020
(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	--	--	-	-	-	-	2,555	-	-	-	2,555
Algeria	--	--	-	-	-	-	-	-	-	-	-
Angola	--	--	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	--	--	-	-	-	-	-	-	-	-	-
Equatorial Guinea	--	--	-	-	-	-	-	-	-	-	-
Gabon	--	--	-	-	-	-	-	-	-	-	-
Iran	--	--	-	-	-	-	-	-	-	-	-
Iraq	--	--	-	-	-	-	-	-	-	-	-
Kuwait	--	--	-	-	-	-	-	-	-	-	-
Libya	--	--	-	-	-	-	-	-	-	-	-
Nigeria	--	--	-	-	-	-	831	-	-	-	831
Saudi Arabia	--	--	-	-	-	-	1,422	-	-	-	1,422
United Arab Emirates	--	--	-	-	-	-	302	-	-	-	302
Venezuela	--	--	-	-	-	-	-	-	-	-	-
Non-OPEC	--	--	-	280	-	-	10,749	-	-	-	10,749
Argentina	--	--	-	-	-	-	-	-	-	-	-
Aruba	--	--	-	-	-	-	-	-	-	-	-
Australia	--	--	-	-	-	-	-	-	-	-	-
Bahamas	--	--	-	-	-	-	-	-	-	-	-
Bahrain	--	--	-	-	-	-	-	-	-	-	-
Belgium	--	--	-	-	-	-	337	-	-	-	337
Brazil	--	--	-	-	-	-	-	-	-	-	-
Brunei	--	--	-	-	-	-	-	-	-	-	-
Cameroon	--	--	-	-	-	-	-	-	-	-	-
Canada	--	--	-	138	-	-	4,368	-	-	-	4,368
Chad	--	--	-	-	-	-	-	-	-	-	-
China	--	--	-	-	-	-	-	-	-	-	-
Colombia	--	--	-	-	-	-	392	-	-	-	392
Denmark	--	--	-	-	-	-	-	-	-	-	-
Ecuador	--	--	-	-	-	-	-	-	-	-	-
Egypt	--	--	-	-	-	-	-	-	-	-	-
Estonia	--	--	-	-	-	-	-	-	-	-	-
Finland	--	--	-	-	-	-	-	-	-	-	-
France	--	--	-	-	-	-	-	-	-	-	-
Germany	--	--	-	142	-	-	12	-	-	-	12
Guatemala	--	--	-	-	-	-	-	-	-	-	-
India	--	--	-	-	-	-	1,919	-	-	-	1,919
Indonesia	--	--	-	-	-	-	446	-	-	-	446
Italy	--	--	-	-	-	-	29	-	-	-	29
Korea, South	--	--	-	-	-	-	209	-	-	-	209
Latvia	--	--	-	-	-	-	-	-	-	-	-
Lithuania	--	--	-	-	-	-	-	-	-	-	-
Malaysia	--	--	-	-	-	-	182	-	-	-	182
Mexico	--	--	-	-	-	-	-	-	-	-	-
Netherlands	--	--	-	-	-	-	950	-	-	-	950
Norway	--	--	-	-	-	-	-	-	-	-	-
Oman	--	--	-	-	-	-	23	-	-	-	23
Portugal	--	--	-	-	-	-	-	-	-	-	-
Qatar	--	--	-	-	-	-	1,196	-	-	-	1,196
Russia	--	--	-	-	-	-	614	-	-	-	614
Spain	--	--	-	-	-	-	-	-	-	-	-
Sweden	--	--	-	-	-	-	44	-	-	-	44
Syria	--	--	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	--	--	-	-	-	-	-	-	-	-	-
United Kingdom	--	--	-	-	-	-	-	-	-	-	-
Vietnam	--	--	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	--	--	-	-	-	-	-	-	-	-	-
Yemen	--	--	-	-	-	-	-	-	-	-	-
Other	--	--	-	0	-	-	28	-	-	-	28
Total	--	--	-	280	-	-	13,304	-	-	-	13,304
Persian Gulf³	--	--	-	-	-	-	2,920	-	-	-	2,920

See footnotes at end of table.

Table 41. PAD District 1 - Imports of Crude Oil and Petroleum Products by Country of Origin, December 2020
(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	-	-	-	586	-	-	-	2	2
Algeria	-	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-
Equatorial Guinea	-	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	2	2
Saudi Arabia	-	-	-	461	-	-	-	-	-
United Arab Emirates	-	-	-	125	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-
Non-OPEC	-	1	-	758	2	-	-	942	942
Argentina	-	-	-	-	-	-	-	-	-
Aruba	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-
Bahamas	-	-	-	-	-	-	-	-	-
Bahrain	-	-	-	-	-	-	-	-	-
Belgium	-	-	-	-	-	-	-	-	-
Brazil	-	-	-	-	-	-	-	11	11
Brunei	-	-	-	-	-	-	-	-	-
Cameroon	-	-	-	-	-	-	-	-	-
Canada	-	1	-	352	2	-	-	42	42
Chad	-	-	-	-	-	-	-	-	-
China	-	-	-	-	-	-	-	-	-
Colombia	-	-	-	146	-	-	-	197	197
Denmark	-	-	-	-	-	-	-	-	-
Ecuador	-	-	-	-	-	-	-	-	-
Egypt	-	-	-	-	-	-	-	-	-
Estonia	-	-	-	-	-	-	-	-	-
Finland	-	-	-	-	-	-	-	-	-
France	-	-	-	-	-	-	-	-	-
Germany	-	-	-	-	-	-	-	-	-
Guatemala	-	-	-	-	-	-	-	-	-
India	-	-	-	-	-	-	-	-	-
Indonesia	-	-	-	-	-	-	-	-	-
Italy	-	-	-	-	-	-	-	-	-
Korea, South	-	-	-	250	-	-	-	-	-
Latvia	-	-	-	-	-	-	-	-	-
Lithuania	-	-	-	-	-	-	-	-	-
Malaysia	-	-	-	-	-	-	-	-	-
Mexico	-	-	-	10	-	-	-	679	679
Netherlands	-	-	-	-	-	-	-	7	7
Norway	-	-	-	-	-	-	-	-	-
Oman	-	-	-	-	-	-	-	-	-
Portugal	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-
Russia	-	-	-	-	-	-	-	-	-
Spain	-	-	-	-	-	-	-	-	-
Sweden	-	-	-	-	-	-	-	-	-
Syria	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	-	-	-	-	-	-	-	-	-
United Kingdom	-	-	-	-	-	-	-	-	-
Vietnam	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-	-	-	-
Yemen	-	-	-	-	-	-	-	-	-
Other	-	0	-	0	0	-	-	6	6
Total	-	1	-	1,344	2	-	-	944	944
Persian Gulf⁶	-	-	-	586	-	-	-	-	-

See footnotes at end of table.

Table 41. PAD District 1 - Imports of Crude Oil and Petroleum Products by Country of Origin, December 2020
(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	—	—	—	—	—	30	—	3,273	6,162	93	106	199
Algeria	—	—	—	—	—	—	—	—	1,888	61	—	61
Angola	—	—	—	—	—	—	—	—	6	0	—	0
Congo (Brazzaville)	—	—	—	—	—	—	—	—	—	—	—	—
Equatorial Guinea	—	—	—	—	—	—	—	—	—	—	—	—
Gabon	—	—	—	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	—	—	—	—	—
Iraq	—	—	—	—	—	—	—	—	—	—	—	—
Kuwait	—	—	—	—	—	—	—	—	—	—	—	—
Libya	—	—	—	—	—	—	—	—	—	—	—	—
Nigeria	—	—	—	—	—	—	—	933	1,928	32	30	62
Saudi Arabia	—	—	—	—	—	—	—	1,883	1,883	—	61	61
United Arab Emirates	—	—	—	—	—	30	—	457	457	—	15	15
Venezuela	—	—	—	—	—	—	—	—	—	—	—	—
Non-OPEC	4	1	67	2	623	95	—	31,092	42,664	373	1,003	1,376
Argentina	—	—	—	—	—	—	—	32	32	—	1	1
Aruba	—	—	—	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—	—	—	—
Bahamas	—	—	—	—	—	—	—	—	—	—	—	—
Bahrain	—	—	—	—	—	—	—	—	—	—	—	—
Belgium	—	—	—	—	—	1	—	806	806	—	26	26
Brazil	—	—	—	—	—	—	—	321	321	—	10	10
Brunei	—	—	—	—	—	—	—	—	—	—	—	—
Cameroon	—	—	—	—	—	—	—	—	488	16	—	16
Canada	1	1	60	—	589	68	—	11,964	16,434	144	386	530
Chad	—	—	—	—	—	—	—	—	—	—	—	—
China	—	—	2	—	—	—	—	2	2	—	0	0
Colombia	—	—	—	—	—	—	—	735	735	—	24	24
Denmark	—	—	—	—	—	—	—	—	—	—	—	—
Ecuador	—	—	—	—	—	—	—	—	—	—	—	—
Egypt	—	—	—	—	—	—	—	—	—	—	—	—
Estonia	—	—	—	—	—	—	—	—	—	—	—	—
Finland	—	—	—	—	—	—	—	467	467	—	15	15
France	—	—	—	—	—	9	—	993	993	—	32	32
Germany	—	—	—	—	—	14	—	168	168	—	5	5
Guatemala	—	—	—	—	—	—	—	—	—	—	—	—
India	—	—	—	—	—	—	—	2,108	2,108	—	68	68
Indonesia	—	—	—	—	—	—	—	446	446	—	14	14
Italy	—	—	—	—	—	1	—	341	341	—	11	11
Korea, South	—	—	1	—	—	—	—	460	460	—	15	15
Latvia	—	—	—	—	—	—	—	—	—	—	—	—
Lithuania	—	—	—	—	—	—	—	317	317	—	10	10
Malaysia	—	—	—	—	—	—	—	182	182	—	6	6
Mexico	—	—	—	—	—	—	—	689	2,690	65	22	87
Netherlands	—	—	—	—	—	1	—	3,616	3,616	—	117	117
Norway	—	—	—	—	—	—	—	191	794	19	6	26
Oman	—	—	—	—	—	—	—	23	23	—	1	1
Portugal	—	—	—	—	—	—	—	842	842	—	27	27
Qatar	—	—	—	—	—	—	—	1,196	1,196	—	39	39
Russia	—	—	—	—	—	—	—	2,732	2,732	—	88	88
Spain	—	—	3	—	—	—	—	244	244	—	8	8
Sweden	—	—	—	2	—	—	—	46	46	—	1	1
Syria	—	—	—	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	—	—	—	—	—	522	17	—	17
United Kingdom	3	—	—	—	—	—	—	1,617	2,971	44	52	96
Vietnam	—	—	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	204	204	—	7	7
Yemen	—	—	—	—	—	—	—	—	—	—	—	—
Other	0	0	1	0	34	1	—	350	2,484	68	12	79
Total	4	1	67	2	623	125	—	34,365	48,826	466	1,109	1,575
Persian Gulf⁶	—	—	—	—	—	30	—	3,536	3,536	—	114	114

-- = 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, December 2020
(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	82,680	1,845	199	-	-	-	-	-	331	331
Argentina	-	-	-	-	-	-	-	-	-	-
Aruba	-	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-	-
Bahamas	-	-	-	-	-	-	-	-	-	-
Bahrain	-	-	-	-	-	-	-	-	-	-
Belgium	-	-	-	-	-	-	-	-	-	-
Brazil	-	-	-	-	-	-	-	-	-	-
Brunei	-	-	-	-	-	-	-	-	-	-
Cameroon	-	-	-	-	-	-	-	-	-	-
Canada	82,680	1,845	199	-	-	-	-	-	331	331
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	82,680	1,845	199	-	-	-	-	-	331	331
Persian Gulf³	-	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Table 42. PAD District 2 - Imports of Crude Oil and Petroleum Products by Country of Origin, December 2020
(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	--	--	-	56	-	-	170	1	6	-	177
Argentina	--	--	-	-	-	-	-	-	-	-	-
Aruba	--	--	-	-	-	-	-	-	-	-	-
Australia	--	--	-	-	-	-	-	-	-	-	-
Bahamas	--	--	-	-	-	-	-	-	-	-	-
Bahrain	--	--	-	-	-	-	-	-	-	-	-
Belgium	--	--	-	-	-	-	-	-	-	-	-
Brazil	--	--	-	-	-	-	-	-	-	-	-
Brunei	--	--	-	-	-	-	-	-	-	-	-
Cameroon	--	--	-	-	-	-	-	-	-	-	-
Canada	--	--	-	56	-	-	170	1	6	-	177
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	--	--	-	56	-	-	170	1	6	-	177
Persian Gulf³	--	--	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Table 42. PAD District 2 - Imports of Crude Oil and Petroleum Products by Country of Origin, December 2020
(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	-	-	-	-	-	-	-	-	-
Algeria	-	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-
Equatorial Guinea	-	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-
Non-OPEC	-	3	-	-	6	-	19	103	122
Argentina	-	-	-	-	-	-	-	-	-
Aruba	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-
Bahamas	-	-	-	-	-	-	-	-	-
Bahrain	-	-	-	-	-	-	-	-	-
Belgium	-	-	-	-	-	-	-	-	-
Brazil	-	-	-	-	-	-	-	-	-
Brunei	-	-	-	-	-	-	-	-	-
Cameroon	-	-	-	-	-	-	-	-	-
Canada	-	3	-	-	6	-	19	103	122
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	-	3	-	-	6	-	19	103	122
Persian Gulf⁶	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Table 42. PAD District 2 - Imports of Crude Oil and Petroleum Products by Country of Origin, December 2020
(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	77	71	13	53	532	162	-	3,647	86,327	2,667	118	2,785
Argentina	-	-	-	-	-	-	-	-	-	-	-	-
Aruba	-	-	-	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-	-	-	-
Bahamas	-	-	-	-	-	-	-	-	-	-	-	-
Bahrain	-	-	-	-	-	-	-	-	-	-	-	-
Belgium	-	-	-	-	-	-	-	-	-	-	-	-
Brazil	-	-	-	-	-	-	-	-	-	-	-	-
Brunei	-	-	-	-	-	-	-	-	-	-	-	-
Cameroon	-	-	-	-	-	-	-	-	-	-	-	-
Canada	77	71	13	52	532	162	-	3,646	86,326	2,667	118	2,785
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	-	-	-	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	77	71	13	53	532	162	-	3,647	86,327	2,667	118	2,785
Persian Gulf⁶	-	-	-	-	-	-	-	-	-	-	-	-

-- = 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, December 2020
(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	2,654	-	-	-	-	-	-	-	-	-
Algeria	-	-	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea	-	-	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-
Iraq	601	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	2,053	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-	-
Non-OPEC	41,790	-	-	9,548	-	338	338	-	961	961
Argentina	-	-	-	8	-	-	-	-	-	-
Aruba	-	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-	-
Bahamas	-	-	-	-	-	-	-	-	-	-
Bahrain	-	-	-	-	-	-	-	-	-	-
Belgium	-	-	-	143	-	-	-	-	-	-
Brazil	1,591	-	-	-	-	-	-	-	296	296
Brunei	-	-	-	-	-	-	-	-	-	-
Cameroon	-	-	-	-	-	-	-	-	-	-
Canada	14,180	-	-	181	-	-	-	-	-	-
Chad	-	-	-	-	-	-	-	-	-	-
China	-	-	-	-	-	-	-	-	-	-
Colombia	4,499	-	-	-	-	-	-	-	-	-
Denmark	-	-	-	-	-	-	-	-	-	-
Ecuador	-	-	-	382	-	-	-	-	-	-
Egypt	-	-	-	1,027	-	-	-	-	-	-
Estonia	-	-	-	-	-	-	-	-	-	-
Finland	-	-	-	-	-	-	-	-	-	-
France	-	-	-	-	-	-	-	-	-	-
Germany	-	-	-	19	-	-	-	-	-	-
Guatemala	288	-	-	-	-	-	-	-	-	-
India	-	-	-	-	-	-	-	-	330	330
Indonesia	-	-	-	-	-	-	-	-	-	-
Italy	-	-	-	-	-	-	-	-	141	141
Korea, South	-	-	-	-	-	-	-	-	-	-
Latvia	-	-	-	-	-	-	-	-	-	-
Lithuania	-	-	-	-	-	-	-	-	-	-
Malaysia	-	-	-	-	-	-	-	-	-	-
Mexico	17,624	-	-	662	-	-	-	-	-	-
Netherlands	-	-	-	55	-	-	-	-	194	194
Norway	-	-	-	-	-	-	-	-	-	-
Oman	-	-	-	-	-	-	-	-	-	-
Portugal	-	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-	-
Russia	1,218	-	-	7,044	-	-	-	-	-	-
Spain	-	-	-	-	-	-	-	-	-	-
Sweden	-	-	-	-	-	-	-	-	-	-
Syria	-	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	546	-	-	-	-	-	-	-	-	-
United Kingdom	597	-	-	10	-	-	-	-	-	-
Vietnam	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-	-	-	-	-
Yemen	-	-	-	-	-	-	-	-	-	-
Other	1,247	-	-	17	-	338	338	-	0	0
Total	44,444	-	-	9,548	-	338	338	-	961	961
Persian Gulf³	2,654	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Table 43. PAD District 3 - Imports of Crude Oil and Petroleum Products by Country of Origin, December 2020
(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	--	--	-	-	-	-	187	-	-	-	187
Argentina	--	--	-	-	-	-	-	-	-	-	-
Aruba	--	--	-	-	-	-	-	-	-	-	-
Australia	--	--	-	-	-	-	-	-	-	-	-
Bahamas	--	--	-	-	-	-	-	-	-	-	-
Bahrain	--	--	-	-	-	-	-	-	-	-	-
Belgium	--	--	-	-	-	-	-	-	-	-	-
Brazil	--	--	-	-	-	-	-	-	-	-	-
Brunei	--	--	-	-	-	-	-	-	-	-	-
Cameroon	--	--	-	-	-	-	-	-	-	-	-
Canada	--	--	-	-	-	-	123	-	-	-	123
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	--	--	-	-	-	-	64	-	-	-	64
Spain	--	--	-	-	-	-	-	-	-	-	-
Sweden	--	--	-	-	-	-	-	-	-	-	-
Syria	--	--	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	--	--	-	-	-	-	-	-	-	-	-
United Kingdom	--	--	-	-	-	-	-	-	-	-	-
Vietnam	--	--	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	--	--	-	-	-	-	-	-	-	-	-
Yemen	--	--	-	-	-	-	-	-	-	-	-
Other	--	--	-	-	-	-	0	-	-	-	0
Total	--	--	-	-	-	-	187	-	-	-	187
Persian Gulf³	--	--	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Table 43. PAD District 3 - Imports of Crude Oil and Petroleum Products by Country of Origin, December 2020
(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	-	-	-	-	45	-	-	-	-
Algeria	-	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-
Equatorial Guinea	-	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	45	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-
Non-OPEC	-	-	-	-	154	-	65	1,637	1,702
Argentina	-	-	-	-	-	-	-	-	-
Aruba	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-
Bahamas	-	-	-	-	-	-	-	-	-
Bahrain	-	-	-	-	-	-	-	-	-
Belgium	-	-	-	-	-	-	-	224	224
Brazil	-	-	-	-	20	-	-	-	-
Brunei	-	-	-	-	-	-	-	-	-
Cameroon	-	-	-	-	-	-	-	-	-
Canada	-	-	-	-	68	-	-	-	-
Chad	-	-	-	-	-	-	-	-	-
China	-	-	-	-	-	-	-	-	-
Colombia	-	-	-	-	-	-	-	74	74
Denmark	-	-	-	-	-	-	-	-	-
Ecuador	-	-	-	-	-	-	-	-	-
Egypt	-	-	-	-	-	-	-	-	-
Estonia	-	-	-	-	-	-	-	-	-
Finland	-	-	-	-	-	-	-	-	-
France	-	-	-	-	-	-	-	-	-
Germany	-	-	-	-	-	-	-	35	35
Guatemala	-	-	-	-	-	-	-	-	-
India	-	-	-	-	45	-	-	-	-
Indonesia	-	-	-	-	-	-	-	-	-
Italy	-	-	-	-	-	-	-	-	-
Korea, South	-	-	-	-	12	-	-	-	-
Latvia	-	-	-	-	-	-	-	-	-
Lithuania	-	-	-	-	-	-	-	-	-
Malaysia	-	-	-	-	-	-	-	-	-
Mexico	-	-	-	-	-	-	-	1,078	1,078
Netherlands	-	-	-	-	-	-	-	208	208
Norway	-	-	-	-	-	-	-	-	-
Oman	-	-	-	-	-	-	-	-	-
Portugal	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-
Russia	-	-	-	-	-	-	65	-	65
Spain	-	-	-	-	-	-	-	-	-
Sweden	-	-	-	-	-	-	-	-	-
Syria	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	-	-	-	-	-	-	-	-	-
United Kingdom	-	-	-	-	-	-	-	18	18
Vietnam	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-	-	-	-
Yemen	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	9	-	0	0	0
Total	-	-	-	-	199	-	65	1,637	1,702
Persian Gulf⁶	-	-	-	-	45	-	-	-	-

See footnotes at end of table.

Table 43. PAD District 3 - Imports of Crude Oil and Petroleum Products by Country of Origin, December 2020
(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	—	—	—	—	—	157	—	202	2,856	86	7	92
Algeria	—	—	—	—	—	—	—	—	—	—	—	—
Angola	—	—	—	—	—	—	—	—	—	—	—	—
Congo (Brazzaville)	—	—	—	—	—	—	—	—	—	—	—	—
Equatorial Guinea	—	—	—	—	—	—	—	—	—	—	—	—
Gabon	—	—	—	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	—	—	—	—	—
Iraq	—	—	—	—	—	—	—	—	601	19	—	19
Kuwait	—	—	—	—	—	—	—	—	—	—	—	—
Libya	—	—	—	—	—	—	—	—	—	—	—	—
Nigeria	—	—	—	—	—	—	—	—	—	—	—	—
Saudi Arabia	—	—	—	—	—	—	—	45	2,098	66	1	68
United Arab Emirates	—	—	—	—	—	157	—	157	157	—	5	5
Venezuela	—	—	—	—	—	—	—	—	—	—	—	—
Non-OPEC	134	37	47	69	4	525	—	13,706	55,496	1,348	442	1,790
Argentina	—	19	—	69	—	—	—	96	96	—	3	3
Aruba	—	—	—	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—	—	—	—
Bahamas	—	—	—	—	—	—	—	—	—	—	—	—
Bahrain	—	—	—	—	—	—	—	—	—	—	—	—
Belgium	—	—	—	—	—	1	—	368	368	—	12	12
Brazil	—	—	—	—	—	—	—	316	1,907	51	10	62
Brunei	—	—	—	—	—	—	—	—	—	—	—	—
Cameroon	—	—	—	—	—	—	—	—	—	—	—	—
Canada	—	—	—	—	—	6	—	378	14,558	457	12	470
Chad	—	—	—	—	—	—	—	—	—	—	—	—
China	—	—	—	—	—	—	—	—	—	—	—	—
Colombia	—	—	—	—	4	—	—	78	4,577	145	3	148
Denmark	—	—	—	—	—	—	—	—	—	—	—	—
Ecuador	—	—	—	—	—	—	—	382	382	—	12	12
Egypt	—	—	—	—	—	—	—	1,027	1,027	—	33	33
Estonia	—	—	—	—	—	—	—	—	—	—	—	—
Finland	—	—	—	—	—	—	—	—	—	—	—	—
France	—	18	—	—	—	2	—	20	20	—	1	1
Germany	—	—	—	—	—	5	—	59	59	—	2	2
Guatemala	—	—	—	—	—	—	—	—	288	9	—	9
India	—	—	—	—	—	—	—	375	375	—	12	12
Indonesia	—	—	—	—	—	61	—	61	61	—	2	2
Italy	—	—	16	—	—	7	—	164	164	—	5	5
Korea, South	41	—	—	—	—	389	—	442	442	—	14	14
Latvia	—	—	—	—	—	—	—	—	—	—	—	—
Lithuania	—	—	—	—	—	—	—	—	—	—	—	—
Malaysia	—	—	12	—	—	—	—	12	12	—	0	0
Mexico	84	—	—	—	—	—	—	1,824	19,448	569	59	627
Netherlands	9	—	—	—	—	—	—	466	466	—	15	15
Norway	—	—	—	—	—	—	—	—	—	—	—	—
Oman	—	—	—	—	—	—	—	—	—	—	—	—
Portugal	—	—	—	—	—	—	—	—	—	—	—	—
Qatar	—	—	—	—	—	—	—	—	—	—	—	—
Russia	—	—	—	—	—	—	—	7,173	8,391	39	231	271
Spain	—	—	—	—	—	—	—	—	—	—	—	—
Sweden	—	—	—	—	—	—	—	—	—	—	—	—
Syria	—	—	—	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	—	—	—	—	—	546	18	—	18
United Kingdom	—	—	—	—	—	—	—	28	625	19	1	20
Vietnam	—	—	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—	—	—	—
Yemen	—	—	—	—	—	—	—	—	—	—	—	—
Other	0	0	19	0	0	54	—	437	1,684	41	15	54
Total	134	37	47	69	4	682	—	13,908	58,352	1,434	449	1,882
Persian Gulf⁶	—	—	—	—	—	157	—	202	2,856	86	7	92

-- = 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, December 2020
(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
PAD District 4										
OPEC	-	-	-	-	-	-	-	-	-	-
Algeria	-	-	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-	-
Non-OPEC	9,219	734	-	-	-	-	-	-	13	13
Canada	9,219	734	-	-	-	-	-	-	13	13
Ecuador	-	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-	-
Other	0	0	-	-	-	-	-	-	0	0
Total	9,219	734	-	-	-	-	-	-	13	13
PAD District 5										
OPEC	4,883	-	-	-	-	-	-	-	-	-
Algeria	-	-	-	-	-	-	-	-	-	-
Angola	366	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-
Iraq	2,161	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-	-
Nigeria	962	-	-	-	-	-	-	-	-	-
Saudi Arabia	1,394	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-	-
Non-OPEC	21,405	1,739	-	1,143	-	185	185	-	1,551	1,551
Argentina	-	-	-	-	-	-	-	-	-	-
Aruba	-	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-	-
Brazil	2,867	-	-	-	-	-	-	-	-	-
Brunei	-	-	-	-	-	-	-	-	-	-
Canada	7,814	1,739	-	-	-	45	45	-	25	25
China	-	-	-	-	-	-	-	-	-	-
Colombia	1,484	-	-	-	-	-	-	-	-	-
Ecuador	5,068	-	-	-	-	-	-	-	-	-
Finland	-	-	-	-	-	-	-	-	307	307
Germany	-	-	-	-	-	-	-	-	-	-
Indonesia	-	-	-	-	-	-	-	-	-	-
Japan	-	-	-	-	-	-	-	-	-	-
Korea, South	-	-	-	-	-	140	140	-	460	460
Malaysia	-	-	-	-	-	-	-	-	-	-
Mexico	794	-	-	-	-	-	-	-	-	-
Netherlands	-	-	-	-	-	-	-	-	-	-
Oman	-	-	-	-	-	-	-	-	-	-
Papua New Guinea	-	-	-	-	-	-	-	-	-	-
Peru	-	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-	-
Singapore	-	-	-	-	-	-	-	-	-	-
Sweden	-	-	-	-	-	-	-	-	-	-
Taiwan	-	-	-	-	-	-	-	-	-	-
United Kingdom	-	-	-	-	-	-	-	-	-	-
Vietnam	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-	-	-	-	-
Other	3,378	0	-	1,143	-	0	0	-	759	759
Total	26,288	1,794	-	1,143	-	185	185	-	1,551	1,551
Persian Gulf³	3,555	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Table 44. PAD District 4 and 5 - Imports of Crude Oil and Petroleum Products by Country of Origin, December 2020
(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	
PAD District 4											
OPEC	--	--	-	-	-	-	-	-	-	-	-
Algeria	--	--	-	-	-	-	-	-	-	-	-
Angola	--	--	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	--	--	-	-	-	-	-	-	-	-	-
Iran	--	--	-	-	-	-	-	-	-	-	-
Iraq	--	--	-	-	-	-	-	-	-	-	-
Kuwait	--	--	-	-	-	-	-	-	-	-	-
Libya	--	--	-	-	-	-	-	-	-	-	-
Nigeria	--	--	-	-	-	-	-	-	-	-	-
Saudi Arabia	--	--	-	-	-	-	-	-	-	-	-
United Arab Emirates	--	--	-	-	-	-	-	-	-	-	-
Venezuela	--	--	-	-	-	-	-	-	-	-	-
Non-OPEC	--	--	-	31	-	-	147	-	-	-	147
Canada	--	--	-	31	-	-	147	-	-	-	147
Ecuador	--	--	-	-	-	-	-	-	-	-	-
Qatar	--	--	-	-	-	-	-	-	-	-	-
Other	--	--	-	0	-	-	0	-	-	-	0
Total	--	--	-	31	-	-	147	-	-	-	147
PAD District 5											
OPEC	--	--	-	-	-	-	-	-	-	-	-
Algeria	--	--	-	-	-	-	-	-	-	-	-
Angola	--	--	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	--	--	-	-	-	-	-	-	-	-	-
Iran	--	--	-	-	-	-	-	-	-	-	-
Iraq	--	--	-	-	-	-	-	-	-	-	-
Kuwait	--	--	-	-	-	-	-	-	-	-	-
Libya	--	--	-	-	-	-	-	-	-	-	-
Nigeria	--	--	-	-	-	-	-	-	-	-	-
Saudi Arabia	--	--	-	-	-	-	-	-	-	-	-
United Arab Emirates	--	--	-	-	-	-	-	-	-	-	-
Venezuela	--	--	-	-	-	-	-	-	-	-	-
Non-OPEC	--	--	254	6	874	-	242	314	-	-	556
Argentina	--	--	-	-	-	-	-	-	-	-	-
Aruba	--	--	-	-	-	-	-	-	-	-	-
Australia	--	--	-	-	-	-	-	-	-	-	-
Brazil	--	--	254	-	-	-	-	-	-	-	-
Brunei	--	--	-	-	-	-	-	-	-	-	-
Canada	--	--	-	6	-	-	242	-	-	-	242
China	--	--	-	-	-	-	-	-	-	-	-
Colombia	--	--	-	-	-	-	-	-	-	-	-
Ecuador	--	--	-	-	-	-	-	-	-	-	-
Finland	--	--	-	-	-	-	-	-	-	-	-
Germany	--	--	-	-	-	-	-	-	-	-	-
Indonesia	--	--	-	-	-	-	-	-	-	-	-
Japan	--	--	-	-	-	-	-	-	-	-	-
Korea, South	--	--	-	-	-	-	-	314	-	-	314
Malaysia	--	--	-	-	-	-	-	-	-	-	-
Mexico	--	--	-	-	-	-	-	-	-	-	-
Netherlands	--	--	-	-	-	-	-	-	-	-	-
Oman	--	--	-	-	-	-	-	-	-	-	-
Papua New Guinea	--	--	-	-	-	-	-	-	-	-	-
Peru	--	--	-	-	-	-	-	-	-	-	-
Qatar	--	--	-	-	-	-	-	-	-	-	-
Singapore	--	--	-	-	-	-	-	-	-	-	-
Sweden	--	--	-	-	-	-	-	-	-	-	-
Taiwan	--	--	-	-	-	-	-	-	-	-	-
United Kingdom	--	--	-	-	-	-	-	-	-	-	-
Vietnam	--	--	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	--	--	-	-	-	-	-	-	-	-	-
Other	--	--	0	0	874	-	0	0	-	-	0
Total	--	--	254	6	874	-	242	314	-	-	556
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, December 2020
(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	
PAD District 4									
OPEC	-	-	-	-	-	-	-	-	-
Algeria	-	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-
Non-OPEC	-	1	-	26	-	-	-	-	-
Canada	-	1	-	26	-	-	-	-	-
Ecuador	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-
Other	-	0	-	0	-	-	-	-	-
Total	-	1	-	26	-	-	-	-	-
PAD District 5									
OPEC	-	-	-	526	-	-	-	-	-
Algeria	-	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	526	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-
Non-OPEC	8	3	-	2,341	-	-	45	113	158
Argentina	-	-	-	-	-	-	-	-	-
Aruba	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-
Brazil	-	-	-	-	-	-	-	-	-
Brunei	-	-	-	-	-	-	-	-	-
Canada	-	3	-	43	-	-	45	113	158
China	-	-	-	-	-	-	-	-	-
Colombia	-	-	-	-	-	-	-	-	-
Ecuador	-	-	-	-	-	-	-	-	-
Finland	-	-	-	-	-	-	-	-	-
Germany	-	-	-	-	-	-	-	-	-
Indonesia	-	-	-	-	-	-	-	-	-
Japan	-	-	-	-	-	-	-	-	-
Korea, South	8	-	-	1,978	-	-	-	-	-
Malaysia	-	-	-	320	-	-	-	-	-
Mexico	-	-	-	-	-	-	-	-	-
Netherlands	-	-	-	-	-	-	-	-	-
Oman	-	-	-	-	-	-	-	-	-
Papua New Guinea	-	-	-	-	-	-	-	-	-
Peru	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-
Singapore	-	-	-	-	-	-	-	-	-
Sweden	-	-	-	-	-	-	-	-	-
Taiwan	-	-	-	-	-	-	-	-	-
United Kingdom	-	-	-	-	-	-	-	-	-
Vietnam	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-	-	-	-
Other	0	0	-	0	-	-	0	0	0
Total	8	3	-	2,867	-	-	45	113	158
Persian Gulf³	-	-	-	526	-	-	-	-	-

See footnotes at end of table.

Table 44. PAD District 4 and 5 - Imports of Crude Oil and Petroleum Products by Country of Origin, December 2020
(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	-	-	-	-	39	-	1	992	10,211	297	32	329
Canada	-	-	-	-	39	-	1	992	10,211	297	32	329
Ecuador	-	-	-	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	0	-	0	0	0	0	0	0
Total	-	-	-	-	39	-	1	992	10,211	297	32	329
PAD District 5												
OPEC	-	-	-	-	-	-	-	581	5,464	158	19	176
Algeria	-	-	-	-	-	-	-	-	366	12	-	12
Angola	-	-	-	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	2,161	70	-	70
Kuwait	-	-	-	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	962	31	-	31
Saudi Arabia	-	-	-	-	-	-	-	526	1,920	45	17	62
United Arab Emirates	-	-	-	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-	-	-	-
Non-OPEC	37	-	8	-	47	77	-	8,987	30,392	690	290	980
Argentina	-	-	-	-	-	-	-	-	-	-	-	-
Aruba	-	-	-	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-	-	-	-
Brazil	-	-	-	-	-	-	-	254	3,121	92	8	101
Brunei	-	-	-	-	-	-	-	-	-	-	-	-
Canada	-	-	-	-	47	4	-	2,312	10,126	252	75	327
China	-	-	-	-	-	-	-	-	-	-	-	-
Colombia	-	-	-	-	-	-	-	-	1,484	48	-	48
Ecuador	-	-	-	-	-	-	-	-	5,068	163	-	163
Finland	-	-	-	-	-	-	-	307	307	-	10	10
Germany	-	-	-	-	-	-	-	-	-	-	-	-
Indonesia	-	-	-	-	-	-	-	-	-	-	-	-
Japan	-	-	-	-	-	-	-	-	-	-	-	-
Korea, South	-	-	-	-	-	22	-	2,922	2,922	-	94	94
Malaysia	-	-	-	-	-	-	-	320	320	-	10	10
Mexico	-	-	-	-	-	-	-	-	794	26	-	26
Netherlands	-	-	-	-	-	-	-	-	-	-	-	-
Oman	-	-	-	-	-	-	-	-	-	-	-	-
Papua New Guinea	-	-	-	-	-	-	-	-	-	-	-	-
Peru	-	-	-	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	51	-	51	51	-	2	2
Singapore	-	-	-	-	-	-	-	874	874	-	28	28
Sweden	-	-	-	-	-	-	-	-	-	-	-	-
Taiwan	37	-	8	-	-	-	-	45	45	-	1	1
United Kingdom	-	-	-	-	-	-	-	-	-	-	-	-
Vietnam	-	-	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-	-	-	-	-	-	-
Other	0	-	0	-	0	0	-	1,902	5,280	109	62	170
Total	37	-	8	-	47	77	-	9,568	35,856	848	309	1,157
Persian Gulf³	-	-	-	-	-	51	-	577	4,132	115	19	133

-- = 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-December 2020
(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	44,297	672	-	1,875	-	920	920	324	5,937	6,261
Algeria	2,445	-	-	796	-	-	-	-	1,524	1,524
Angola	2,225	-	-	-	-	-	-	-	902	902
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea	-	523	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	877	877
Iraq	-	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-	-
Libya	-	-	-	2	-	-	-	-	-	-
Nigeria	19,873	-	-	615	-	-	-	-	1,026	1,026
Saudi Arabia	19,754	-	-	-	-	920	920	324	1,021	1,345
United Arab Emirates	-	-	-	462	-	-	-	-	587	587
Venezuela	-	-	-	-	-	-	-	-	-	-
Non-OPEC	118,001	10,583	2,860	23,438	-	30,521	30,521	61,830	80,500	142,330
Argentina	2,626	-	-	32	-	39	39	-	54	54
Aruba	-	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-	-
Bahamas	-	-	-	-	-	-	-	-	248	248
Bahrain	-	-	-	-	-	-	-	-	-	-
Belgium	-	-	-	105	-	727	727	1,706	2,490	4,196
Brazil	506	-	-	-	-	2,824	2,824	30	5,175	5,205
Brunei	-	-	-	-	-	-	-	-	-	-
Cameroon	6,336	-	-	-	-	-	-	-	-	-
Canada	56,678	8,859	2,860	142	-	4,491	4,491	37,141	8,720	45,861
Chad	-	-	-	-	-	-	-	-	-	-
China	-	-	-	-	-	-	-	-	-	-
Colombia	1,497	-	-	336	-	108	108	-	1,149	1,149
Denmark	-	-	-	-	-	6	6	18	25	43
Ecuador	-	-	-	522	-	-	-	-	-	-
Egypt	1,019	-	-	-	-	250	250	-	-	-
Estonia	-	-	-	-	-	-	-	-	-	-
Finland	-	-	-	169	-	218	218	63	3,990	4,053
France	-	-	-	-	-	4,101	4,101	2,974	35	3,009
Germany	-	-	-	282	-	67	67	73	564	637
Guatemala	-	-	-	-	-	-	-	-	-	-
India	-	-	-	60	-	333	333	60	15,273	15,333
Indonesia	-	-	-	-	-	-	-	-	-	-
Italy	-	-	-	284	-	105	105	278	3,736	4,014
Korea, South	-	-	-	-	-	-	-	273	350	623
Latvia	-	-	-	-	-	59	59	-	34	34
Lithuania	-	-	-	-	-	104	104	-	1,297	1,297
Malaysia	-	-	-	-	-	-	-	-	-	-
Mexico	11,237	-	-	5,845	-	-	-	506	-	506
Netherlands	-	-	-	59	-	3,093	3,093	7,832	9,313	17,145
Norway	4,298	1,183	-	-	-	265	265	435	2,282	2,717
Oman	-	-	-	-	-	-	-	-	-	-
Portugal	-	-	-	425	-	6,599	6,599	980	1,037	2,017
Qatar	-	-	-	-	-	-	-	-	-	-
Russia	14,033	-	-	10,783	-	1,971	1,971	765	8,945	9,710
Spain	-	-	-	846	-	2,659	2,659	217	4,608	4,825
Sweden	-	-	-	1,394	-	658	658	62	1,153	1,215
Syria	-	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	2,038	-	-	-	-	-	-	-	-	-
United Kingdom	4,755	-	-	1,622	-	909	909	8,391	5,720	14,111
Vietnam	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	119	-	-	-	-	85	85
Yemen	-	-	-	-	-	-	-	-	-	-
Other	12,978	541	0	413	-	935	935	26	4,217	4,243
Total	162,298	11,255	2,860	25,313	-	31,441	31,441	62,154	86,437	148,591
Persian Gulf³	19,754	149	-	462	-	920	920	324	2,485	2,809

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-December 2020
(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	--	--	-	-	-	-	4,491	-	-	-	4,491
Algeria	--	--	-	-	-	-	-	-	-	-	-
Angola	--	--	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	--	--	-	-	-	-	-	-	-	-	-
Equatorial Guinea	--	--	-	-	-	-	-	-	-	-	-
Gabon	--	--	-	-	-	-	-	-	-	-	-
Iran	--	--	-	-	-	-	-	-	-	-	-
Iraq	--	--	-	-	-	-	-	-	-	-	-
Kuwait	--	--	-	-	-	-	-	-	-	-	-
Libya	--	--	-	-	-	-	-	-	-	-	-
Nigeria	--	--	-	-	-	-	1,408	-	-	-	1,408
Saudi Arabia	--	--	-	-	-	-	1,827	-	-	-	1,827
United Arab Emirates	--	--	-	-	-	-	1,256	-	-	-	1,256
Venezuela	--	--	-	-	-	-	-	-	-	-	-
Non-OPEC	--	--	-	2,169	-	-	62,950	1,111	263	-	64,324
Argentina	--	--	-	-	-	-	-	-	-	-	-
Aruba	--	--	-	-	-	-	-	-	-	-	-
Australia	--	--	-	-	-	-	-	-	-	-	-
Bahamas	--	--	-	-	-	-	301	-	-	-	301
Bahrain	--	--	-	-	-	-	-	-	-	-	-
Belgium	--	--	-	-	-	-	1,482	-	-	-	1,482
Brazil	--	--	-	-	-	-	-	-	-	-	-
Brunei	--	--	-	-	-	-	-	-	-	-	-
Cameroon	--	--	-	-	-	-	-	-	-	-	-
Canada	--	--	-	1,093	-	-	37,405	330	-	-	37,735
Chad	--	--	-	-	-	-	-	-	-	-	-
China	--	--	-	-	-	-	218	-	-	-	218
Colombia	--	--	-	-	-	-	7,039	-	-	-	7,039
Denmark	--	--	-	-	-	-	-	-	-	-	-
Ecuador	--	--	-	-	-	-	-	-	-	-	-
Egypt	--	--	-	-	-	-	-	-	-	-	-
Estonia	--	--	-	-	-	-	-	-	-	-	-
Finland	--	--	-	-	-	-	-	-	-	-	-
France	--	--	-	-	-	-	-	-	-	-	-
Germany	--	--	-	1,055	-	-	12	-	-	-	12
Guatemala	--	--	-	-	-	-	-	-	-	-	-
India	--	--	-	-	-	-	3,409	781	-	-	4,190
Indonesia	--	--	-	-	-	-	1,310	-	-	-	1,310
Italy	--	--	-	-	-	-	596	-	-	-	596
Korea, South	--	--	-	21	-	-	1,914	-	-	-	1,914
Latvia	--	--	-	-	-	-	-	-	-	-	-
Lithuania	--	--	-	-	-	-	-	-	-	-	-
Malaysia	--	--	-	-	-	-	1,385	-	-	-	1,385
Mexico	--	--	-	-	-	-	-	-	-	-	-
Netherlands	--	--	-	-	-	-	1,741	-	263	-	2,004
Norway	--	--	-	-	-	-	-	-	-	-	-
Oman	--	--	-	-	-	-	102	-	-	-	102
Portugal	--	--	-	-	-	-	-	-	-	-	-
Qatar	--	--	-	-	-	-	2,181	-	-	-	2,181
Russia	--	--	-	-	-	-	3,143	-	-	-	3,143
Spain	--	--	-	-	-	-	640	-	-	-	640
Sweden	--	--	-	-	-	-	44	-	-	-	44
Syria	--	--	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	--	--	-	-	-	-	-	-	-	-	-
United Kingdom	--	--	-	-	-	-	-	-	-	-	-
Vietnam	--	--	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	--	--	-	-	-	-	-	-	-	-	-
Yemen	--	--	-	-	-	-	-	-	-	-	-
Other	--	--	-	0	-	-	28	0	0	-	28
Total	--	--	-	2,169	-	-	67,441	1,111	263	-	68,815
Persian Gulf³	--	--	-	-	-	-	5,264	-	-	-	5,264

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-December 2020
(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	—	—	—	5,004	—	11	266	2	279
Algeria	—	—	—	295	—	11	210	—	221
Angola	—	—	—	231	—	—	—	—	—
Congo (Brazzaville)	—	—	—	—	—	—	4	—	4
Equatorial Guinea	—	—	—	—	—	—	—	—	—
Gabon	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	—	—
Iraq	—	—	—	42	—	—	—	—	—
Kuwait	—	—	—	1,998	—	—	—	—	—
Libya	—	—	—	—	—	—	—	—	—
Nigeria	—	—	—	—	—	—	52	2	54
Saudi Arabia	—	—	—	1,621	—	—	—	—	—
United Arab Emirates	—	—	—	817	—	—	—	—	—
Venezuela	—	—	—	—	—	—	—	—	—
Non-OPEC	303	62	—	12,183	20	1,094	6,617	8,560	16,271
Argentina	—	—	—	—	—	314	294	—	608
Aruba	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—
Bahamas	—	—	—	—	—	—	174	500	674
Bahrain	—	—	—	—	—	—	—	—	—
Belgium	—	—	—	—	—	—	104	—	104
Brazil	—	—	—	3	—	35	124	48	207
Brunei	—	—	—	—	—	—	—	—	—
Cameroon	—	—	—	—	—	—	—	—	—
Canada	—	12	—	2,691	20	683	446	2,898	4,027
Chad	—	—	—	—	—	—	—	—	—
China	—	—	—	—	—	—	—	—	—
Colombia	—	—	—	482	—	6	33	1,088	1,127
Denmark	—	—	—	—	—	—	833	—	833
Ecuador	—	—	—	15	—	—	—	—	—
Egypt	—	—	—	—	—	—	—	—	—
Estonia	—	—	—	—	—	—	55	—	55
Finland	—	—	—	—	—	—	149	—	149
France	—	—	—	—	—	—	—	—	—
Germany	—	—	—	—	—	—	139	70	209
Guatemala	—	—	—	—	—	—	—	—	—
India	—	—	—	2,754	—	—	—	—	—
Indonesia	—	—	—	—	—	—	—	—	—
Italy	—	—	—	529	—	—	36	—	36
Korea, South	—	—	—	3,336	—	—	—	—	—
Latvia	—	—	—	—	—	—	—	—	—
Lithuania	—	—	—	—	—	—	—	83	83
Malaysia	—	—	—	—	—	—	—	—	—
Mexico	—	—	—	89	—	35	215	2,529	2,779
Netherlands	—	50	—	—	—	—	1,149	780	1,929
Norway	—	—	—	—	—	—	—	—	—
Oman	—	—	—	—	—	—	—	—	—
Portugal	—	—	—	—	—	—	495	—	495
Qatar	—	—	—	992	—	—	—	—	—
Russia	—	—	—	—	—	18	220	153	391
Spain	—	—	—	—	—	—	—	—	—
Sweden	—	—	—	—	—	—	1,114	—	1,114
Syria	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	100	—	—	—	—	—
United Kingdom	—	—	—	607	—	—	692	—	692
Vietnam	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—
Yemen	—	—	—	—	—	—	—	—	—
Other	303	0	—	585	0	3	345	411	759
Total	303	62	—	17,187	20	1,105	6,883	8,562	16,550
Persian Gulf⁶	—	—	—	5,470	—	—	—	—	—

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-December 2020
(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	—	—	—	—	—	175	—	19,677	63,974	121	54	175
Algeria	—	—	—	—	—	—	—	2,836	5,281	7	8	14
Angola	—	—	—	—	—	—	—	1,133	3,358	6	3	9
Congo (Brazzaville)	—	—	—	—	—	—	—	4	4	—	0	0
Equatorial Guinea	—	—	—	—	—	—	—	523	523	—	1	1
Gabon	—	—	—	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	877	877	—	2	2
Iraq	—	—	—	—	—	—	—	42	42	—	0	0
Kuwait	—	—	—	—	—	—	—	1,998	1,998	—	5	5
Libya	—	—	—	—	—	—	—	2	2	—	0	0
Nigeria	—	—	—	—	—	—	—	3,103	22,976	54	8	63
Saudi Arabia	—	—	—	—	—	—	—	5,713	25,467	54	16	70
United Arab Emirates	—	—	—	—	—	175	—	3,446	3,446	—	9	9
Venezuela	—	—	—	—	—	—	—	—	—	—	—	—
Non-OPEC	874	10	875	37	9,715	1,289	2	317,866	435,867	322	868	1,191
Argentina	—	—	—	—	—	1	—	734	3,360	7	2	9
Aruba	—	—	—	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—	—	—	—
Bahamas	—	—	—	—	—	—	—	1,223	1,223	—	3	3
Bahrain	—	—	—	—	—	23	—	23	23	—	0	0
Belgium	8	—	—	—	—	81	—	6,703	6,703	—	18	18
Brazil	—	—	—	1	—	—	—	8,240	8,746	1	23	24
Brunei	—	—	—	—	—	—	—	—	—	—	—	—
Cameroon	—	—	—	—	—	—	—	—	6,336	17	—	17
Canada	1	10	629	2	7,873	843	2	117,151	173,829	155	320	475
Chad	—	—	—	—	—	—	—	—	—	—	—	—
China	—	—	109	—	—	—	—	327	327	—	1	1
Colombia	—	—	—	—	369	—	—	10,610	12,107	4	29	33
Denmark	—	—	—	—	—	—	—	882	882	—	2	2
Ecuador	—	—	—	—	—	—	—	537	537	—	1	1
Egypt	—	—	20	—	—	—	—	270	1,289	3	1	4
Estonia	—	—	—	—	—	—	—	55	55	—	0	0
Finland	—	—	—	—	—	—	—	4,589	4,589	—	13	13
France	3	—	—	—	—	67	—	7,180	7,180	—	20	20
Germany	—	—	15	—	—	123	—	2,400	2,400	—	7	7
Guatemala	—	—	—	—	—	—	—	—	—	—	—	—
India	—	—	—	—	—	—	—	22,670	22,670	—	62	62
Indonesia	—	—	—	—	—	—	—	1,310	1,310	—	4	4
Italy	—	—	—	—	141	15	—	5,720	5,720	—	16	16
Korea, South	—	—	10	—	—	91	—	5,995	5,995	—	16	16
Latvia	—	—	—	—	—	—	—	93	93	—	0	0
Lithuania	—	—	—	—	—	—	—	1,484	1,484	—	4	4
Malaysia	—	—	1	—	—	1	—	1,387	1,387	—	4	4
Mexico	—	—	—	—	—	—	—	9,219	20,456	31	25	56
Netherlands	846	—	—	—	—	10	—	25,136	25,136	—	69	69
Norway	1	—	—	—	—	—	—	4,166	8,464	12	11	23
Oman	—	—	—	—	—	—	—	102	102	—	0	0
Portugal	—	—	—	—	—	—	—	9,536	9,536	—	26	26
Qatar	—	—	—	—	—	—	—	3,173	3,173	—	9	9
Russia	—	—	—	—	—	28	—	26,026	40,059	38	71	109
Spain	—	—	15	—	422	—	—	9,407	9,407	—	26	26
Sweden	—	—	—	31	—	2	—	4,458	4,458	—	12	12
Syria	—	—	—	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	—	—	—	—	100	2,138	6	0	6
United Kingdom	15	—	—	—	—	—	—	18,497	23,252	13	51	64
Vietnam	—	—	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	204	204	—	1	1
Yemen	—	—	—	—	—	—	—	—	—	—	—	—
Other	0	0	76	3	910	4	0	8,259	21,237	35	21	57
Total	874	10	875	37	9,715	1,464	2	337,543	499,841	443	922	1,366
Persian Gulf⁶	—	—	—	—	—	198	—	15,272	35,026	54	42	96

-- = 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 46. PAD District 2 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-December 2020
(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	884,270	19,963	2,401	168	-	37	37	-	2,462	2,462
Argentina	-	-	-	-	-	-	-	-	-	-
Aruba	-	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-	-
Bahamas	-	-	-	-	-	-	-	-	-	-
Bahrain	-	-	-	-	-	-	-	-	-	-
Belgium	-	-	-	-	-	-	-	-	-	-
Brazil	-	-	-	-	-	-	-	-	-	-
Brunei	-	-	-	-	-	-	-	-	-	-
Cameroon	-	-	-	-	-	-	-	-	-	-
Canada	883,293	19,963	2,401	168	-	37	37	-	2,462	2,462
Chad	-	-	-	-	-	-	-	-	-	-
China	-	-	-	-	-	-	-	-	-	-
Colombia	500	-	-	-	-	-	-	-	-	-
Denmark	-	-	-	-	-	-	-	-	-	-
Ecuador	-	-	-	-	-	-	-	-	-	-
Egypt	-	-	-	-	-	-	-	-	-	-
Estonia	-	-	-	-	-	-	-	-	-	-
Finland	-	-	-	-	-	-	-	-	-	-
France	-	-	-	-	-	-	-	-	-	-
Germany	-	-	-	-	-	-	-	-	-	-
Guatemala	-	-	-	-	-	-	-	-	-	-
India	-	-	-	-	-	-	-	-	-	-
Indonesia	-	-	-	-	-	-	-	-	-	-
Italy	-	-	-	-	-	-	-	-	-	-
Korea, South	-	-	-	-	-	-	-	-	-	-
Latvia	-	-	-	-	-	-	-	-	-	-
Lithuania	-	-	-	-	-	-	-	-	-	-
Malaysia	-	-	-	-	-	-	-	-	-	-
Mexico	477	-	-	-	-	-	-	-	-	-
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
Total	884,270	19,963	2,401	168	-	37	37	-	2,462	2,462
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-December 2020
(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	--	--	-	1,121	-	-	2,309	1	156	-	2,466
Argentina	--	--	-	-	-	-	-	-	-	-	-
Aruba	--	--	-	-	-	-	-	-	-	-	-
Australia	--	--	-	-	-	-	-	-	-	-	-
Bahamas	--	--	-	-	-	-	-	-	-	-	-
Bahrain	--	--	-	-	-	-	-	-	-	-	-
Belgium	--	--	-	-	-	-	-	-	-	-	-
Brazil	--	--	-	-	-	-	-	-	-	-	-
Brunei	--	--	-	-	-	-	-	-	-	-	-
Cameroon	--	--	-	-	-	-	-	-	-	-	-
Canada	--	--	-	1,121	-	-	2,225	1	156	-	2,382
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	-	-	84	0	0	-	84
Total	--	--	-	1,121	-	-	2,309	1	156	-	2,466
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-December 2020
(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	-	-	-	-	-	-	-	-	-
Algeria	-	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-
Equatorial Guinea	-	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-
Non-OPEC	-	43	-	15	76	-	435	619	1,054
Argentina	-	-	-	-	-	-	-	-	-
Aruba	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-
Bahamas	-	-	-	-	-	-	-	-	-
Bahrain	-	-	-	-	-	-	-	-	-
Belgium	-	-	-	-	-	-	-	-	-
Brazil	-	-	-	-	-	-	-	-	-
Brunei	-	-	-	-	-	-	-	-	-
Cameroon	-	-	-	-	-	-	-	-	-
Canada	-	43	-	15	76	-	435	619	1,054
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	-	43	-	15	76	-	435	619	1,054
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-December 2020
(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	987	829	158	323	5,338	1,644	-	39,085	923,355	2,416	107	2,523
Argentina	-	-	-	-	-	-	-	-	-	-	-	-
Aruba	-	-	-	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-	-	-	-
Bahamas	-	-	-	-	-	-	-	-	-	-	-	-
Bahrain	-	-	-	-	-	-	-	-	-	-	-	-
Belgium	-	-	-	-	-	2	-	2	2	-	0	0
Brazil	-	-	-	-	-	-	-	-	-	-	-	-
Brunei	-	-	-	-	-	-	-	-	-	-	-	-
Cameroon	-	-	-	-	-	-	-	-	-	-	-	-
Canada	987	829	126	318	5,338	1,624	-	38,944	922,237	2,413	106	2,520
Chad	-	-	-	-	-	-	-	-	-	-	-	-
China	-	-	18	-	-	-	-	18	18	-	0	0
Colombia	-	-	-	-	-	-	-	-	500	1	-	1
Denmark	-	-	-	-	-	-	-	-	-	-	-	-
Ecuador	-	-	-	-	-	-	-	-	-	-	-	-
Egypt	-	-	-	-	-	-	-	-	-	-	-	-
Estonia	-	-	-	-	-	-	-	-	-	-	-	-
Finland	-	-	-	-	-	12	-	12	12	-	0	0
France	-	-	-	-	-	-	-	-	-	-	-	-
Germany	-	-	-	1	-	2	-	3	3	-	0	0
Guatemala	-	-	-	-	-	-	-	-	-	-	-	-
India	-	-	-	-	-	-	-	-	-	-	-	-
Indonesia	-	-	-	-	-	-	-	-	-	-	-	-
Italy	-	-	-	-	-	-	-	-	-	-	-	-
Korea, South	-	-	-	-	-	-	-	-	-	-	-	-
Latvia	-	-	-	-	-	-	-	-	-	-	-	-
Lithuania	-	-	-	-	-	-	-	-	-	-	-	-
Malaysia	-	-	-	-	-	-	-	-	-	-	-	-
Mexico	-	-	-	-	-	-	-	-	477	1	-	1
Netherlands	-	-	-	-	-	-	-	-	-	-	-	-
Norway	-	-	-	-	-	-	-	-	-	-	-	-
Oman	-	-	-	-	-	-	-	-	-	-	-	-
Portugal	-	-	-	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-	-	-	-
Russia	-	-	-	-	-	-	-	-	-	-	-	-
Spain	-	-	-	-	-	-	-	-	-	-	-	-
Sweden	-	-	-	4	-	3	-	7	7	-	0	0
Syria	-	-	-	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	-	-	-	-	-	-	-	-	-	-	-	-
United Kingdom	-	-	-	-	-	-	-	-	-	-	-	-
Vietnam	-	-	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-	-	-	-	-	-	-
Yemen	-	-	-	-	-	-	-	-	-	-	-	-
Other	0	0	14	0	0	1	-	99	99	1	1	1
Total	987	829	158	323	5,338	1,644	-	39,085	923,355	2,416	107	2,523
Persian Gulf⁶	-	-	-	-	-	-	-	-	-	-	-	-

-- = 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-December 2020
(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	133,475	-	-	2,106	-	-	-	-	234	234
Algeria	-	-	-	182	-	-	-	-	-	-
Angola	950	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea	-	-	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	234	234
Iraq	18,178	-	-	-	-	-	-	-	-	-
Kuwait	4,133	-	-	717	-	-	-	-	-	-
Libya	-	-	-	1	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	110,214	-	-	1,206	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-	-
Non-OPEC	517,693	35	160	154,707	-	932	932	-	14,643	14,643
Argentina	1,896	-	-	19	-	99	99	-	337	337
Aruba	-	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-	-
Bahamas	1,007	-	-	-	-	-	-	-	-	-
Bahrain	-	-	-	-	-	-	-	-	-	-
Belgium	-	-	-	3,676	-	-	-	-	221	221
Brazil	15,117	-	-	23	-	23	23	-	2,860	2,860
Brunei	-	-	-	-	-	-	-	-	-	-
Cameroon	622	-	-	-	-	-	-	-	-	-
Canada	178,245	-	-	1,255	-	-	-	-	-	-
Chad	-	-	-	-	-	-	-	-	-	-
China	-	-	-	-	-	-	-	-	-	-
Colombia	70,519	-	-	1,500	-	-	-	-	-	-
Denmark	-	-	-	152	-	-	-	-	-	-
Ecuador	6,133	-	-	4,639	-	-	-	-	-	-
Egypt	-	-	-	6,931	-	-	-	-	-	-
Estonia	-	-	-	-	-	-	-	-	-	-
Finland	-	-	-	52	-	14	14	-	792	792
France	-	-	-	-	-	-	-	-	-	-
Germany	-	-	-	335	-	-	-	-	95	95
Guatemala	1,401	-	-	-	-	-	-	-	-	-
India	-	-	-	-	-	-	-	-	3,308	3,308
Indonesia	-	-	-	-	-	-	-	-	-	-
Italy	346	-	-	1,778	-	-	-	-	1,737	1,737
Korea, South	-	-	-	-	-	-	-	-	309	309
Latvia	-	-	-	-	-	-	-	-	-	-
Lithuania	-	-	-	-	-	-	-	-	324	324
Malaysia	-	-	-	996	-	-	-	-	-	-
Mexico	217,946	-	160	4,903	-	-	-	-	1,110	1,110
Netherlands	-	-	-	1,411	-	54	54	-	687	687
Norway	-	-	-	1,116	-	-	-	-	-	-
Oman	-	-	-	-	-	-	-	-	-	-
Portugal	-	-	-	-	-	-	-	-	117	117
Qatar	-	-	-	-	-	-	-	-	-	-
Russia	5,576	-	-	119,897	-	55	55	-	660	660
Spain	-	-	-	234	-	305	305	-	600	600
Sweden	-	-	-	786	-	-	-	-	255	255
Syria	-	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	8,611	-	-	-	-	-	-	-	-	-
United Kingdom	4,008	-	-	1,151	-	-	-	-	105	105
Vietnam	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-	-	-	-	-
Yemen	-	-	-	-	-	-	-	-	-	-
Other	6,266	35	0	3,853	-	382	382	-	1,126	1,126
Total	651,168	35	160	156,813	-	932	932	-	14,877	14,877
Persian Gulf³	132,525	-	-	1,923	-	-	-	-	234	234

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-December 2020
(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	--	--	-	273	-	-	234	-	-	-	234
Argentina	--	--	-	-	-	-	-	-	-	-	-
Aruba	--	--	-	-	-	-	-	-	-	-	-
Australia	--	--	-	-	-	-	-	-	-	-	-
Bahamas	--	--	-	-	-	-	-	-	-	-	-
Bahrain	--	--	-	-	-	-	-	-	-	-	-
Belgium	--	--	-	-	-	-	-	-	-	-	-
Brazil	--	--	-	-	-	-	-	-	-	-	-
Brunei	--	--	-	-	-	-	-	-	-	-	-
Cameroon	--	--	-	-	-	-	-	-	-	-	-
Canada	--	--	-	-	-	-	168	-	-	-	168
Chad	--	--	-	-	-	-	-	-	-	-	-
China	--	--	-	-	-	-	-	-	-	-	-
Colombia	--	--	-	-	-	-	-	-	-	-	-
Denmark	--	--	-	-	-	-	-	-	-	-	-
Ecuador	--	--	-	-	-	-	-	-	-	-	-
Egypt	--	--	-	-	-	-	-	-	-	-	-
Estonia	--	--	-	-	-	-	-	-	-	-	-
Finland	--	--	-	-	-	-	-	-	-	-	-
France	--	--	-	-	-	-	-	-	-	-	-
Germany	--	--	-	71	-	-	-	-	-	-	-
Guatemala	--	--	-	-	-	-	-	-	-	-	-
India	--	--	-	-	-	-	-	-	-	-	-
Indonesia	--	--	-	-	-	-	-	-	-	-	-
Italy	--	--	-	-	-	-	-	-	-	-	-
Korea, South	--	--	-	-	-	-	-	-	-	-	-
Latvia	--	--	-	-	-	-	-	-	-	-	-
Lithuania	--	--	-	-	-	-	-	-	-	-	-
Malaysia	--	--	-	-	-	-	-	-	-	-	-
Mexico	--	--	-	-	-	-	2	-	-	-	2
Netherlands	--	--	-	-	-	-	-	-	-	-	-
Norway	--	--	-	-	-	-	-	-	-	-	-
Oman	--	--	-	-	-	-	-	-	-	-	-
Portugal	--	--	-	-	-	-	-	-	-	-	-
Qatar	--	--	-	-	-	-	-	-	-	-	-
Russia	--	--	-	-	-	-	64	-	-	-	64
Spain	--	--	-	199	-	-	-	-	-	-	-
Sweden	--	--	-	-	-	-	-	-	-	-	-
Syria	--	--	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	--	--	-	-	-	-	-	-	-	-	-
United Kingdom	--	--	-	-	-	-	-	-	-	-	-
Vietnam	--	--	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	--	--	-	-	-	-	-	-	-	-	-
Yemen	--	--	-	-	-	-	-	-	-	-	-
Other	--	--	-	3	-	-	0	-	-	-	0
Total	--	--	-	273	-	-	234	-	-	-	234
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-December 2020
(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	—	—	—	50	365	—	16	979	995
Algeria	—	—	—	—	—	—	16	15	31
Angola	—	—	—	—	—	—	—	—	—
Congo (Brazzaville)	—	—	—	—	—	—	—	—	—
Equatorial Guinea	—	—	—	—	—	—	—	—	—
Gabon	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	—	—
Iraq	—	—	—	—	—	—	—	—	—
Kuwait	—	—	—	—	—	—	—	—	—
Libya	—	—	—	—	—	—	—	—	—
Nigeria	—	—	—	—	—	—	—	—	—
Saudi Arabia	—	—	—	50	365	—	—	655	655
United Arab Emirates	—	—	—	—	—	—	—	309	309
Venezuela	—	—	—	—	—	—	—	—	—
Non-OPEC	—	127	—	2,461	4,192	1,423	5,099	31,837	38,359
Argentina	—	—	—	—	—	—	—	—	—
Aruba	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—
Bahamas	—	—	—	—	—	—	—	950	950
Bahrain	—	—	—	—	—	—	—	—	—
Belgium	—	—	—	—	—	—	2	635	637
Brazil	—	—	—	—	405	—	1,036	717	1,753
Brunei	—	—	—	314	—	—	—	—	—
Cameroon	—	—	—	—	—	—	—	—	—
Canada	—	—	—	—	539	—	1	406	407
Chad	—	—	—	—	—	—	—	—	—
China	—	—	—	—	—	—	—	—	—
Colombia	—	—	—	—	—	—	17	78	95
Denmark	—	—	—	—	—	—	—	—	—
Ecuador	—	—	—	—	—	—	—	—	—
Egypt	—	—	—	—	—	—	—	2,896	2,896
Estonia	—	—	—	—	—	—	—	—	—
Finland	—	—	—	—	—	—	—	—	—
France	—	—	—	—	34	—	280	—	280
Germany	—	—	—	—	58	—	—	35	35
Guatemala	—	—	—	—	—	—	—	—	—
India	—	—	—	465	230	—	—	—	—
Indonesia	—	—	—	—	—	—	—	—	—
Italy	—	—	—	215	—	—	30	48	78
Korea, South	—	—	—	1,288	2,164	—	—	—	—
Latvia	—	—	—	—	—	—	—	76	76
Lithuania	—	—	—	—	—	—	—	348	348
Malaysia	—	—	—	—	—	—	—	—	—
Mexico	—	—	—	—	67	1,033	6	13,959	14,998
Netherlands	—	127	—	—	4	—	27	732	759
Norway	—	—	—	—	—	—	—	126	126
Oman	—	—	—	—	—	—	—	—	—
Portugal	—	—	—	—	—	—	—	—	—
Qatar	—	—	—	—	—	—	—	—	—
Russia	—	—	—	80	—	390	3,205	9,268	12,863
Spain	—	—	—	—	26	—	—	118	118
Sweden	—	—	—	—	—	—	—	—	—
Syria	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	—	—	—	—	—	—
United Kingdom	—	—	—	—	29	—	—	112	112
Vietnam	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—
Yemen	—	—	—	—	—	—	—	—	—
Other	—	0	—	99	636	0	495	1,333	1,828
Total	—	127	—	2,511	4,557	1,423	5,115	32,816	39,354
Persian Gulf⁶	—	—	—	50	365	—	—	964	964

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-December 2020
(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	77	--	3	--	--	1,316	--	5,146	138,621	365	14	379
Algeria	--	--	--	--	--	--	--	213	213	--	1	1
Angola	--	--	--	--	--	--	--	--	950	3	--	3
Congo (Brazzaville)	--	--	--	--	--	--	--	--	--	--	--	--
Equatorial Guinea	--	--	--	--	--	--	--	--	--	--	--	--
Gabon	--	--	--	--	--	--	--	--	--	--	--	--
Iran	--	--	--	--	--	--	--	234	234	--	1	1
Iraq	--	--	--	--	--	--	--	--	18,178	50	--	50
Kuwait	--	--	--	--	--	--	--	717	4,850	11	2	13
Libya	--	--	--	--	--	--	--	1	1	--	0	0
Nigeria	--	--	--	--	--	--	--	--	--	--	--	--
Saudi Arabia	77	--	3	--	--	36	--	2,392	112,606	301	7	308
United Arab Emirates	--	--	--	--	--	1,280	--	1,589	1,589	--	4	4
Venezuela	--	--	--	--	--	--	--	--	--	--	--	--
Non-OPEC	3,238	416	379	2,783	127	8,509	--	231,651	749,344	1,414	633	2,047
Argentina	--	162	--	1,620	--	12	--	2,249	4,145	5	6	11
Aruba	--	--	--	--	--	--	--	--	--	--	--	--
Australia	--	--	--	--	--	--	--	--	--	--	--	--
Bahamas	--	--	--	--	--	--	--	950	1,957	3	3	5
Bahrain	--	--	--	--	--	392	--	392	392	--	1	1
Belgium	--	--	--	--	--	74	--	4,609	4,609	--	13	13
Brazil	--	26	--	597	--	--	--	5,722	20,839	41	16	57
Brunei	--	--	--	--	--	--	--	314	314	--	1	1
Cameroon	--	--	--	--	--	--	--	--	622	2	--	2
Canada	--	--	--	--	58	33	--	2,460	180,705	487	7	494
Chad	--	--	--	--	--	--	--	--	--	--	--	--
China	--	--	41	--	--	--	--	41	41	--	0	0
Colombia	--	--	--	4	--	--	--	1,599	72,118	193	4	197
Denmark	--	--	--	--	--	--	--	152	152	--	0	0
Ecuador	--	--	--	--	--	--	--	4,639	10,772	17	13	29
Egypt	--	--	--	--	--	--	--	9,827	9,827	--	27	27
Estonia	--	--	--	--	--	--	--	--	--	--	--	--
Finland	--	--	--	--	--	8	--	866	866	--	2	2
France	--	228	10	--	--	28	--	580	580	--	2	2
Germany	--	--	--	228	--	33	--	855	855	--	2	2
Guatemala	--	--	--	--	--	--	--	--	1,401	4	--	4
India	--	--	--	--	--	--	--	4,003	4,003	--	11	11
Indonesia	--	--	--	--	--	1,109	--	1,109	1,109	--	3	3
Italy	--	--	64	--	--	169	--	4,041	4,387	1	11	12
Korea, South	208	--	--	--	--	3,197	--	7,166	7,166	--	20	20
Latvia	--	--	--	--	--	--	--	76	76	--	0	0
Lithuania	--	--	--	--	--	--	--	672	672	--	2	2
Malaysia	--	--	49	--	--	--	--	1,045	1,045	--	3	3
Mexico	1,904	--	--	--	--	--	--	23,144	241,090	595	63	659
Netherlands	9	--	--	130	--	396	--	3,633	3,633	--	10	10
Norway	--	--	--	--	--	--	--	1,242	1,242	--	3	3
Oman	--	--	--	200	--	--	--	200	200	--	1	1
Portugal	--	--	--	--	--	41	--	158	158	--	0	0
Qatar	--	--	--	--	--	2,809	--	2,809	2,809	--	8	8
Russia	--	--	--	--	--	--	--	133,619	139,195	15	365	380
Spain	--	--	--	--	--	38	--	1,520	1,520	--	4	4
Sweden	--	--	--	--	--	--	--	1,041	1,041	--	3	3
Syria	--	--	--	--	--	--	--	--	--	--	--	--
Trinidad and Tobago	--	--	--	--	--	--	--	--	8,611	24	--	24
United Kingdom	71	--	119	8	--	113	--	1,708	5,716	11	5	16
Vietnam	--	--	--	--	--	--	--	--	--	--	--	--
Virgin Islands, U.S.	--	--	--	--	--	--	--	--	--	--	--	--
Yemen	--	--	--	--	--	--	--	--	--	--	--	--
Other	1,046	0	96	0	65	57	--	9,210	15,476	16	24	41
Total	3,315	416	382	2,783	127	9,825	--	236,797	887,965	1,779	647	2,426
Persian Gulf⁶	77	--	3	--	--	4,517	--	8,133	140,658	362	22	384

-- = 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-December 2020
(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
PAD District 4										
OPEC	-	-	-	-	-	-	-	-	-	-
Algeria	-	-	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-	-
Non-OPEC	109,905	4,719	-	-	-	26	26	-	811	811
Canada	109,905	4,719	-	-	-	26	26	-	811	811
Ecuador	-	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-	-
Other	0	0	-	-	-	0	0	-	0	0
Total	109,905	4,719	-	-	-	26	26	-	811	811
PAD District 5										
OPEC	120,944	-	-	14	-	-	-	-	-	-
Algeria	-	-	-	13	-	-	-	-	-	-
Angola	7,021	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	3,796	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-
Iraq	46,715	-	-	-	-	-	-	-	-	-
Kuwait	3,413	-	-	-	-	-	-	-	-	-
Libya	3,115	-	-	-	-	-	-	-	-	-
Nigeria	4,549	-	-	-	-	-	-	-	-	-
Saudi Arabia	52,287	-	-	1	-	-	-	-	-	-
United Arab Emirates	1,946	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-	-
Non-OPEC	222,223	15,474	61	15,495	-	6,072	6,072	1,120	7,451	8,571
Argentina	7,887	-	-	87	-	-	-	-	-	-
Aruba	-	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-	-
Brazil	12,597	-	-	-	-	57	57	-	59	59
Brunei	5,429	-	-	-	-	-	-	-	-	-
Canada	88,788	15,307	61	219	-	1,502	1,502	-	155	155
China	-	-	-	-	-	-	-	-	-	-
Colombia	18,210	-	-	930	-	-	-	-	-	-
Ecuador	55,657	-	-	170	-	-	-	-	-	-
Finland	-	-	-	-	-	-	-	-	307	307
Germany	-	-	-	55	-	-	-	-	-	-
Indonesia	-	-	-	-	-	-	-	-	-	-
Japan	-	-	-	286	-	-	-	-	604	604
Korea, South	-	-	-	-	-	2,060	2,060	318	2,917	3,235
Malaysia	-	-	-	669	-	-	-	-	32	32
Mexico	10,468	-	-	1,858	-	-	-	-	-	-
Netherlands	-	-	-	-	-	675	675	639	-	639
Oman	-	-	-	-	-	-	-	-	-	-
Papua New Guinea	-	-	-	-	-	-	-	-	-	-
Peru	1,981	-	-	172	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-	-
Singapore	-	-	-	142	-	315	315	-	-	-
Sweden	-	-	-	-	-	65	65	-	-	-
Taiwan	-	-	-	-	-	-	-	-	363	363
United Kingdom	1,468	-	-	-	-	215	215	-	563	563
Vietnam	614	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-	-	-	-	-
Other	19,124	167	0	10,907	-	1,183	1,183	163	2,451	2,614
Total	343,167	15,962	61	15,509	-	6,072	6,072	1,120	7,451	8,571
Persian Gulf³	104,361	-	-	1	-	-	-	-	-	-

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-December 2020
(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	
PAD District 4											
OPEC	--	--	-	-	-	-	-	-	-	-	-
Algeria	--	--	-	-	-	-	-	-	-	-	-
Angola	--	--	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	--	--	-	-	-	-	-	-	-	-	-
Iran	--	--	-	-	-	-	-	-	-	-	-
Iraq	--	--	-	-	-	-	-	-	-	-	-
Kuwait	--	--	-	-	-	-	-	-	-	-	-
Libya	--	--	-	-	-	-	-	-	-	-	-
Nigeria	--	--	-	-	-	-	-	-	-	-	-
Saudi Arabia	--	--	-	-	-	-	-	-	-	-	-
United Arab Emirates	--	--	-	-	-	-	-	-	-	-	-
Venezuela	--	--	-	-	-	-	-	-	-	-	-
Non-OPEC	--	--	-	471	-	-	1,679	-	1	-	1,680
Canada	--	--	-	471	-	-	1,679	-	1	-	1,680
Ecuador	--	--	-	-	-	-	-	-	-	-	-
Qatar	--	--	-	-	-	-	-	-	-	-	-
Other	--	--	-	0	-	-	0	-	0	-	0
Total	--	--	-	471	-	-	1,679	-	1	-	1,680
PAD District 5											
OPEC	--	--	-	-	-	-	-	-	-	-	-
Algeria	--	--	-	-	-	-	-	-	-	-	-
Angola	--	--	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	--	--	-	-	-	-	-	-	-	-	-
Iran	--	--	-	-	-	-	-	-	-	-	-
Iraq	--	--	-	-	-	-	-	-	-	-	-
Kuwait	--	--	-	-	-	-	-	-	-	-	-
Libya	--	--	-	-	-	-	-	-	-	-	-
Nigeria	--	--	-	-	-	-	-	-	-	-	-
Saudi Arabia	--	--	-	-	-	-	-	-	-	-	-
United Arab Emirates	--	--	-	-	-	-	-	-	-	-	-
Venezuela	--	--	-	-	-	-	-	-	-	-	-
Non-OPEC	--	--	3,421	650	6,658	-	5,393	622	7	-	6,022
Argentina	--	--	-	-	-	-	-	-	-	-	-
Aruba	--	--	-	-	-	-	-	-	-	-	-
Australia	--	--	-	-	-	-	-	-	-	-	-
Brazil	--	--	3,421	-	-	-	-	-	-	-	-
Brunei	--	--	-	-	-	-	-	-	-	-	-
Canada	--	--	-	65	-	-	4,570	-	7	-	4,577
China	--	--	-	-	-	-	-	308	-	-	308
Colombia	--	--	-	-	-	-	-	-	-	-	-
Ecuador	--	--	-	-	-	-	-	-	-	-	-
Finland	--	--	-	-	-	-	-	-	-	-	-
Germany	--	--	-	-	-	-	-	-	-	-	-
Indonesia	--	--	-	-	-	-	-	-	-	-	-
Japan	--	--	-	-	-	-	190	-	-	-	190
Korea, South	--	--	-	585	-	-	633	314	-	-	947
Malaysia	--	--	-	-	-	-	-	-	-	-	-
Mexico	--	--	-	-	-	-	-	-	-	-	-
Netherlands	--	--	-	-	-	-	-	-	-	-	-
Oman	--	--	-	-	-	-	-	-	-	-	-
Papua New Guinea	--	--	-	-	-	-	-	-	-	-	-
Peru	--	--	-	-	-	-	-	-	-	-	-
Qatar	--	--	-	-	-	-	-	-	-	-	-
Singapore	--	--	-	-	-	-	-	-	-	-	-
Sweden	--	--	-	-	-	-	-	-	-	-	-
Taiwan	--	--	-	-	-	-	-	-	-	-	-
United Kingdom	--	--	-	-	-	-	-	-	-	-	-
Vietnam	--	--	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	--	--	-	-	-	-	-	-	-	-	-
Other	--	--	0	0	6,658	-	0	0	0	-	0
Total	--	--	3,421	650	6,658	-	5,393	622	7	-	6,022
Persian Gulf³	--	--	-	-	-	-	-	-	-	-	-

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-December 2020
(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	
PAD District 4									
OPEC	-	-	-	49	-	-	-	-	-
Algeria	-	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-
Non-OPEC	-	4	-	155	-	-	-	-	-
Canada	-	4	-	150	-	-	-	-	-
Ecuador	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-
Other	-	0	-	5	-	-	-	-	-
Total	-	4	-	204	-	-	-	-	-
PAD District 5									
OPEC	-	-	-	526	-	-	-	3	3
Algeria	-	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	526	-	-	-	3	3
United Arab Emirates	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-
Non-OPEC	48	17	-	34,344	-	-	915	2,711	3,626
Argentina	-	-	-	125	-	-	223	-	223
Aruba	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-
Brazil	-	-	-	-	-	-	-	-	-
Brunei	-	-	-	1,077	-	-	-	-	-
Canada	20	17	-	296	-	-	692	1,167	1,859
China	-	-	-	312	-	-	-	1	1
Colombia	-	-	-	-	-	-	-	-	-
Ecuador	-	-	-	-	-	-	-	763	763
Finland	-	-	-	-	-	-	-	-	-
Germany	-	-	-	-	-	-	-	-	-
Indonesia	-	-	-	-	-	-	-	-	-
Japan	-	-	-	5,015	-	-	-	-	-
Korea, South	28	-	-	24,192	-	-	-	-	-
Malaysia	-	-	-	320	-	-	-	-	-
Mexico	-	-	-	-	-	-	-	-	-
Netherlands	-	-	-	-	-	-	-	-	-
Oman	-	-	-	-	-	-	-	-	-
Papua New Guinea	-	-	-	-	-	-	-	-	-
Peru	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-
Singapore	-	-	-	1,624	-	-	-	-	-
Sweden	-	-	-	-	-	-	-	-	-
Taiwan	-	-	-	-	-	-	-	-	-
United Kingdom	-	-	-	-	-	-	-	-	-
Vietnam	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-	-	-	-
Other	0	0	-	1,383	-	-	0	780	780
Total	48	17	-	34,870	-	-	915	2,714	3,629
Persian Gulf³	-	-	-	526	-	-	-	3	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-December 2020
(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	-	-	-	-	-	-	-	49	49	-	0	0
Algeria	-	-	-	-	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-	-	-	-
Non-OPEC	-	-	-	-	340	-	12	8,218	118,123	300	22	323
Canada	-	-	-	-	340	-	12	8,213	118,118	300	22	323
Ecuador	-	-	-	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	0	-	0	5	5	0	0	0
Total	-	-	-	-	340	-	12	8,267	118,172	300	23	323
PAD District 5												
OPEC	-	-	-	-	-	-	-	1,031	121,975	330	3	333
Algeria	-	-	-	-	-	-	-	13	13	-	0	0
Angola	-	-	-	-	-	-	-	-	7,021	19	-	19
Congo (Brazzaville)	-	-	-	-	-	-	-	-	3,796	10	-	10
Iran	-	-	-	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	46,715	128	-	128
Kuwait	-	-	-	-	-	-	-	-	3,413	9	-	9
Libya	-	-	-	-	-	-	-	-	3,115	9	-	9
Nigeria	-	-	-	-	-	-	-	-	4,549	12	-	12
Saudi Arabia	-	-	-	-	-	-	-	530	52,817	143	1	144
United Arab Emirates	-	-	-	-	-	-	-	56	2,002	5	0	5
Venezuela	-	-	-	-	-	-	-	-	-	-	-	-
Non-OPEC	316	-	298	119	744	276	-	102,212	324,435	607	279	886
Argentina	-	-	-	-	-	-	-	435	8,322	22	1	23
Aruba	-	-	-	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-	-	-	-
Brazil	-	-	-	-	-	-	-	3,537	16,134	34	10	44
Brunei	-	-	-	-	-	-	-	1,077	6,506	15	3	18
Canada	-	-	-	119	744	65	-	25,006	113,794	243	68	311
China	-	-	138	-	-	-	-	759	759	-	2	2
Colombia	-	-	-	-	-	-	-	930	19,140	50	3	52
Ecuador	-	-	-	-	-	-	-	933	56,590	152	3	155
Finland	-	-	-	-	-	-	-	307	307	-	1	1
Germany	-	-	-	-	-	-	-	55	55	-	0	0
Indonesia	-	-	-	-	-	-	-	-	-	-	-	-
Japan	-	-	52	-	-	-	-	6,147	6,147	-	17	17
Korea, South	-	-	-	-	-	114	-	31,161	31,161	-	85	85
Malaysia	-	-	1	-	-	-	-	1,022	1,022	-	3	3
Mexico	-	-	-	-	-	-	-	1,858	12,326	29	5	34
Netherlands	73	-	-	-	-	-	-	1,387	1,387	-	4	4
Oman	-	-	-	-	-	-	-	-	-	-	-	-
Papua New Guinea	-	-	-	-	-	-	-	-	-	-	-	-
Peru	-	-	-	-	-	-	-	172	2,153	5	0	6
Qatar	-	-	-	-	-	97	-	97	97	-	0	0
Singapore	-	-	-	-	-	-	-	8,739	8,739	-	24	24
Sweden	-	-	-	-	-	-	-	65	65	-	0	0
Taiwan	243	-	107	-	-	-	-	713	713	-	2	2
United Kingdom	-	-	-	-	-	-	-	778	2,246	4	2	6
Vietnam	-	-	-	-	-	-	-	-	614	2	-	2
Virgin Islands, U.S.	-	-	-	-	-	-	-	-	-	-	-	-
Other	0	-	0	0	0	0	-	17,034	36,158	51	46	97
Total	316	-	298	119	744	276	-	103,243	446,410	938	282	1,220
Persian Gulf³	-	-	-	-	-	97	-	683	105,044	285	2	287

-- = 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, December 2020
(Thousand Barrels)

Commodity	PAD Districts					U.S. Total	
	1	2	3	4	5	Total	Daily Average
Crude Oil¹	729	4,296	98,438	-	1,051	104,513	3,371
Hydrocarbon Gas Liquids	7,223	5,518	54,669	90	1,894	69,395	2,239
Natural Gas Liquids	7,223	5,518	54,669	90	1,894	69,395	2,239
Ethane	1,612	2,869	3,533	-	0	8,013	258
Propane	4,385	131	43,635	-	1,178	49,329	1,591
Normal Butane	1,148	111	6,932	-	713	8,904	287
Isobutane	1	2	254	-	-	256	8
Natural Gasoline	78	2,405	316	90	2	2,892	93
Refinery Olefins	--	--	--	--	--	--	--
Ethylene	--	--	--	--	--	--	--
Propylene	--	--	--	--	--	--	--
Normal Butylene	--	--	--	--	--	--	--
Isobutylene	--	--	--	--	--	--	--
Other Liquids	91	1,710	11,746	21	382	13,951	450
Hydrogen/Oxygenates/Renewables/ Other Hydrocarbons	65	484	1,863	21	298	2,732	88
Hydrogen	--	--	--	--	--	--	--
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	--	--
Methyl Tertiary Butyl Ether (MTBE)	--	--	--	--	--	--	--
Other Oxygenates	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol) ...	65	484	1,863	21	298	2,732	88
Fuel Ethanol	64	457	1,839	21	286	2,667	86
Biodiesel	1	28	23	0	12	64	2
Other Renewable Diesel	-	-	-	-	-	-	-
Other Renewable Fuels	-	-	-	-	-	-	-
Other Hydrocarbons	-	-	-	-	-	-	-
Unfinished Oils	23	1,180	8,113	0	41	9,356	302
Naphthas and Lighter	7	1,178	7,749	0	15	8,949	289
Kerosene and Light Gas Oils	16	2	363	-	26	407	13
Heavy Gas Oils	-	-	-	-	-	-	-
Residuum	-	-	-	-	-	-	-
Motor Gasoline Blend.Comp. (MGBC)	3	46	1,771	-	43	1,862	60
Reformulated	1	-	2	-	1	4	0
Conventional	2	46	1,769	-	41	1,858	60
Aviation Gasoline Blend. Comp.	-	-	-	-	-	-	-
Finished Petroleum Products	2,869	797	78,398	12	6,992	89,068	2,873
Finished Motor Gasoline	26	189	27,045	-	1,606	28,865	931
Reformulated	-	-	-	-	-	-	-
Conventional	26	189	27,045	-	1,606	28,865	931
Finished Aviation Gasoline	-	-	-	-	-	-	-
Kerosene-Type Jet Fuel	163	28	2,202	-	293	2,685	87
Kerosene	74	1	220	-	71	366	12
Distillate Fuel Oil	371	84	34,976	-	1,603	37,033	1,195
15 ppm sulfur and under	312	0	30,727	-	1,378	32,417	1,046
Greater than 15 ppm to 500 ppm sulfur	-	21	1,778	-	35	1,835	59
Greater than 500 ppm sulfur	59	62	2,471	-	189	2,781	90
Residual Fuel Oil	49	135	1,737	4	432	2,357	76
Naphtha for Petro. Feed. Use	-	-	-	-	-	-	-
Other Oils for Petro. Feed. Use	-	-	-	-	-	-	-
Special Naphthas	-	-	-	-	-	-	-
Lubricants	148	170	2,613	7	142	3,080	99
Waxes	73	35	62	0	3	174	6
Petroleum Coke	1,929	147	9,094	0	2,815	13,985	451
Asphalt and Road Oil	20	8	432	1	25	487	16
Miscellaneous Products	17	1	18	0	0	35	1
Total	10,912	12,322	243,251	123	10,319	276,927	8,933

-- = 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-December 2020
(Thousand Barrels)

Commodity	PAD Districts					U.S. Total	
	1	2	3	4	5	Total	Daily Average
Crude Oil¹	9,593	58,724	1,075,946	214	17,686	1,162,163	3,175
Hydrocarbon Gas Liquids	94,922	105,039	546,585	1,115	18,592	766,253	2,094
Natural Gas Liquids	94,922	105,039	546,585	1,115	18,592	766,253	2,094
Ethane	20,464	34,200	48,202	0	1	102,867	281
Propane	54,364	2,075	395,858	4	11,760	462,944	1,265
Normal Butane	18,909	2,258	100,879	435	6,689	128,819	352
Isobutane	9	12	1,793	—	7	1,816	5
Natural Gasoline	1,227	66,506	1,212	676	185	69,807	191
Refinery Olefins	—	—	—	—	—	—	—
Ethylene	—	—	—	—	—	—	—
Propylene	—	—	—	—	—	—	—
Normal Butylene	—	—	—	—	—	—	—
Isobutylene	—	—	—	—	—	—	—
Other Liquids	2,600	24,887	120,411	406	7,010	155,314	424
Hydrogen/Oxygenates/Renewables/ Other Hydrocarbons	1,655	8,607	21,960	403	2,716	35,341	97
Hydrogen	—	—	—	—	—	—	—
Oxygenates (excluding Fuel Ethanol)	—	—	—	—	—	—	—
Methyl Tertiary Butyl Ether (MTBE)	—	—	—	—	—	—	—
Other Oxygenates	—	—	—	—	—	—	—
Renewable Fuels (including Fuel Ethanol) ...	1,655	8,607	21,960	403	2,716	35,341	97
Fuel Ethanol	1,465	6,611	21,461	324	2,100	31,962	87
Biodiesel	190	1,995	498	80	615	3,380	9
Other Renewable Diesel	—	—	—	—	—	—	—
Other Renewable Fuels	—	—	—	—	—	—	—
Other Hydrocarbons	—	—	—	—	—	—	—
Unfinished Oils	399	15,067	80,095	2	2,119	97,682	267
Naphthas and Lighter	190	15,019	77,662	0	1,936	94,807	259
Kerosene and Light Gas Oils	210	47	2,433	2	183	2,875	8
Heavy Gas Oils	—	—	—	—	—	—	—
Residuum	—	—	—	—	—	—	—
Motor Gasoline Blend.Comp. (MGBC)	545	1,214	18,357	1	2,175	22,291	61
Reformulated	14	1	549	—	23	587	2
Conventional	531	1,213	17,808	1	2,152	21,704	59
Aviation Gasoline Blend. Comp.	—	—	—	—	—	—	—
Finished Petroleum Products	31,200	13,334	887,267	282	98,242	1,030,326	2,815
Finished Motor Gasoline	1,984	2,540	244,530	9	17,723	266,786	729
Reformulated	—	—	—	—	—	—	—
Conventional	1,984	2,540	244,530	9	17,723	266,786	729
Finished Aviation Gasoline	—	—	—	—	—	—	—
Kerosene-Type Jet Fuel	1,962	874	27,091	—	4,826	34,752	95
Kerosene	478	11	1,312	—	346	2,147	6
Distillate Fuel Oil	9,556	1,653	398,122	0	29,641	438,973	1,199
15 ppm sulfur and under	6,157	10	341,867	0	23,633	371,668	1,015
Greater than 15 ppm to 500 ppm sulfur	2,661	184	29,186	—	2,107	34,137	93
Greater than 500 ppm sulfur	738	1,460	27,069	—	3,901	33,168	91
Residual Fuel Oil	3,710	2,015	38,793	121	6,968	51,607	141
Naphtha for Petro. Feed. Use	—	—	—	—	—	—	—
Other Oils for Petro. Feed. Use	—	—	—	—	—	—	—
Special Naphthas	—	—	—	—	—	—	—
Lubricants	2,080	2,147	26,793	108	3,917	35,045	96
Waxes	807	323	449	3	57	1,638	4
Petroleum Coke	9,659	2,657	143,691	1	34,306	190,313	520
Asphalt and Road Oil	794	1,081	6,217	38	456	8,587	23
Miscellaneous Products	171	32	270	1	2	477	1
Total	138,315	201,983	2,630,210	2,017	141,530	3,114,055	8,508

-- = 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, December 2020
(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	—	—	—	7	—	23	23	—	—	—
Australia	—	1	—	4	—	—	—	—	0	0
Bahamas	—	1	—	0	—	365	365	—	—	—
Bahrain	—	—	—	0	—	—	—	—	—	—
Belgium	—	849	—	690	—	324	324	—	—	—
Belize	—	28	—	—	—	73	73	—	—	—
Brazil	882	1,883	—	1,880	—	1,990	1,990	—	—	—
Canada	11,914	5,722	—	1,192	—	839	839	—	719	719
Cayman Islands	—	0	—	—	—	—	—	0	—	0
Chile	731	517	—	18	—	308	308	—	—	—
China	22,278	5,002	—	1	—	0	0	—	—	—
Colombia	550	5	—	1,140	—	1,202	1,202	—	—	—
Costa Rica	—	216	—	3	—	316	316	—	—	—
Denmark	725	—	—	103	—	—	—	—	—	—
Dominican Republic	499	2,595	—	0	—	183	183	—	—	—
Ecuador	—	1,071	—	4	—	463	463	—	—	—
Egypt	—	735	—	—	—	—	—	—	—	—
El Salvador	—	490	—	1	—	529	529	—	—	—
Finland	741	—	—	—	—	—	—	—	—	—
France	2,199	844	—	16	—	—	—	—	—	—
Germany	2,153	—	—	7	—	0	0	—	—	—
Ghana	—	130	—	—	—	—	—	—	—	—
Gibraltar	—	401	—	—	—	—	—	—	—	—
Greece	—	—	—	—	—	—	—	—	—	—
Guatemala	—	100	—	6	—	2,376	2,376	—	—	—
Honduras	—	546	—	0	—	561	561	—	—	—
Hong Kong	—	—	—	0	—	—	—	—	—	—
India	17,348	2,346	—	0	—	—	—	—	—	—
Indonesia	—	4,091	—	0	—	—	—	—	—	—
Ireland	1,208	—	—	—	—	—	—	—	—	—
Israel	—	—	—	31	—	—	—	—	—	—
Italy	3,716	391	—	0	—	0	0	—	—	—
Jamaica	—	18	—	0	—	146	146	—	0	0
Japan	1,027	19,258	—	655	—	0	0	—	0	0
Korea, South	8,064	4,100	—	324	—	1	1	1	0	2
Lebanon	—	—	—	—	—	—	—	—	—	—
Mexico	—	8,238	—	172	—	16,693	16,693	2	1,108	1,110
Montenegro	—	—	—	—	—	—	—	—	—	—
Morocco	—	517	—	—	—	—	—	—	—	—
Mozambique	—	—	—	—	—	—	—	—	—	—
Netherlands	8,050	1,924	—	1,875	—	—	—	—	—	—
New Zealand	—	—	—	0	—	—	—	—	—	—
Nicaragua	374	—	—	—	—	136	136	—	—	—
Nigeria	—	241	—	0	—	—	—	—	—	—
Norway	729	783	—	325	—	—	—	—	—	—
Pakistan	—	—	—	—	—	—	—	—	—	—
Panama	1,329	202	—	1	—	1,055	1,055	—	—	—
Peru	716	307	—	561	—	854	854	—	28	28
Philippines	—	—	—	1	—	—	—	—	—	—
Portugal	770	534	—	—	—	—	—	—	—	—
Puerto Rico	—	41	—	1	—	1	1	—	—	—
Romania	—	—	—	—	—	—	—	—	—	—
Saudi Arabia	—	—	—	2	—	—	—	—	—	—
Serbia (Excludes Kosovo) ..	—	—	—	—	—	—	—	—	—	—
Singapore	—	291	—	329	—	—	—	—	0	0
South Africa	—	—	—	—	—	—	—	—	—	—
Spain	714	679	—	—	—	—	—	—	—	—
Switzerland	—	666	—	—	—	—	—	—	0	0
Taiwan	1,468	—	—	1	—	0	0	—	—	—
Thailand	3,142	—	—	1	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	0	—	0	0	—	—	—
Turkey	—	1,491	—	—	—	0	0	—	—	—
United Arab Emirates	771	—	—	0	—	—	—	—	—	—
United Kingdom	8,811	807	—	0	—	—	—	0	—	0
Venezuela	—	—	—	—	—	2	2	0	—	0
Other	3,604	1,334	—	5	—	425	425	1	3	3
Total	104,513	69,395	—	9,356	—	28,865	28,865	4	1,858	1,862

See footnotes at end of table.

Table 51. Exports of Crude Oil and Petroleum Products by Destination, December 2020
(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	--	--	--	--	--	--	251	--	--	--	251
Australia	--	--	78	--	--	--	0	--	--	--	0
Bahamas	--	--	--	--	--	--	898	--	--	--	898
Bahrain	--	--	--	--	--	--	--	--	--	--	--
Belgium	--	--	0	--	--	--	378	--	123	--	501
Belize	--	--	--	--	--	--	0	225	--	--	225
Brazil	--	--	180	--	--	--	5,311	--	--	--	5,311
Canada	--	--	548	39	--	--	0	56	66	--	122
Cayman Islands	--	--	--	--	--	--	45	--	--	--	45
Chile	--	--	1	--	--	--	3,349	283	--	--	3,632
China	--	--	298	--	--	--	2	--	--	--	2
Colombia	--	--	167	--	--	--	452	--	--	--	452
Costa Rica	--	--	0	--	--	--	813	--	--	--	813
Denmark	--	--	--	--	--	--	--	--	--	--	--
Dominican Republic	--	--	0	--	--	--	320	73	95	--	488
Ecuador	--	--	--	--	--	--	1,188	--	--	--	1,188
Egypt	--	--	--	--	--	--	--	--	--	--	--
El Salvador	--	--	--	--	--	--	0	355	120	--	475
Finland	--	--	17	--	--	--	120	--	--	--	120
France	--	--	0	--	--	--	1,229	--	--	--	1,229
Germany	--	--	--	1	--	--	0	--	700	--	700
Ghana	--	--	--	--	--	--	1	--	--	--	1
Gibraltar	--	--	--	--	--	--	661	--	335	--	996
Greece	--	--	--	--	--	--	--	--	--	--	--
Guatemala	--	--	--	--	--	--	503	182	329	--	1,015
Honduras	--	--	--	--	--	--	469	198	--	--	667
Hong Kong	--	--	249	--	--	--	--	--	--	--	--
India	--	--	126	--	--	--	3	--	--	--	3
Indonesia	--	--	--	--	--	--	270	--	--	--	270
Ireland	--	--	--	--	--	--	120	--	--	--	120
Israel	--	--	0	--	--	--	--	--	--	--	--
Italy	--	--	2	--	--	--	--	177	--	--	177
Jamaica	--	--	3	--	--	--	122	0	15	--	137
Japan	--	--	11	--	--	--	--	--	--	--	--
Korea, South	--	--	308	1	--	--	1	--	--	--	1
Lebanon	--	--	--	--	--	--	--	--	--	--	--
Mexico	--	--	66	--	--	--	9,852	0	12	--	9,865
Montenegro	--	--	--	--	--	--	--	--	--	--	--
Morocco	--	--	--	--	--	--	--	--	--	--	--
Mozambique	--	--	--	--	--	--	--	--	--	--	--
Netherlands	--	--	136	--	--	--	300	--	7	--	307
New Zealand	--	--	--	--	--	--	--	--	--	--	--
Nicaragua	--	--	--	--	--	--	74	--	45	--	119
Nigeria	--	--	0	--	--	--	1	--	--	--	1
Norway	--	--	--	--	--	--	--	--	--	--	--
Pakistan	--	--	1	--	--	--	--	--	--	--	--
Panama	--	--	0	--	--	--	2,018	64	45	--	2,127
Peru	--	--	98	23	--	--	2,186	27	--	--	2,213
Philippines	--	--	130	--	--	--	--	--	--	--	--
Portugal	--	--	--	--	--	--	--	--	--	--	--
Puerto Rico	--	--	7	--	--	--	0	0	--	--	0
Romania	--	--	--	--	--	--	--	--	--	--	--
Saudi Arabia	--	--	--	--	--	--	1	--	--	--	1
Serbia (Excludes Kosovo) ..	--	--	--	--	--	--	--	--	--	--	--
Singapore	--	--	0	--	--	--	45	--	--	--	45
South Africa	--	--	0	--	--	--	--	--	--	--	--
Spain	--	--	0	--	--	--	77	--	--	--	77
Switzerland	--	--	72	--	--	--	--	--	--	--	--
Taiwan	--	--	0	--	--	--	0	--	--	--	0
Thailand	--	--	--	--	--	--	1	--	--	--	1
Trinidad and Tobago	--	--	--	--	--	--	297	--	--	--	297
Turkey	--	--	19	--	--	--	--	--	--	--	--
United Arab Emirates	--	--	--	--	--	--	--	--	--	--	--
United Kingdom	--	--	133	0	--	--	321	--	--	--	321
Venezuela	--	--	0	--	--	--	0	--	--	--	0
Other	--	--	17	--	--	--	738	195	889	--	1,820
Total	--	--	2,667	64	--	--	32,417	1,835	2,781	--	37,033

See footnotes at end of table.

Table 51. Exports of Crude Oil and Petroleum Products by Destination, December 2020
(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	—	—	—	—	—	—	—	—
Australia	—	—	—	0	—	—	—	—
Bahamas	—	—	—	16	—	511	—	—
Bahrain	0	—	—	—	—	—	—	—
Belgium	—	—	—	—	—	—	—	—
Belize	—	—	—	—	—	—	—	—
Brazil	—	—	—	—	—	—	—	—
Canada	74	—	—	550	—	500	—	—
Cayman Islands	—	—	—	—	—	—	—	—
Chile	0	—	—	385	—	316	—	—
China	—	—	—	—	—	0	—	—
Colombia	5	—	—	—	—	—	—	—
Costa Rica	0	—	—	88	—	—	—	—
Denmark	—	—	—	—	—	—	—	—
Dominican Republic	0	—	—	15	—	—	—	—
Ecuador	8	—	—	0	—	—	—	—
Egypt	—	—	—	—	—	0	—	—
El Salvador	0	—	—	2	—	0	—	—
Finland	—	—	—	—	—	1	—	—
France	0	—	—	—	—	0	—	—
Germany	—	—	—	—	—	—	—	—
Ghana	—	—	—	—	—	—	—	—
Gibraltar	—	—	—	—	—	—	—	—
Greece	—	—	—	—	—	—	—	—
Guatemala	0	—	—	33	—	—	—	—
Honduras	0	—	—	24	—	—	—	—
Hong Kong	—	—	—	—	—	—	—	—
India	—	—	—	—	—	0	—	—
Indonesia	—	—	—	—	—	—	—	—
Ireland	—	—	—	—	—	—	—	—
Israel	—	—	—	—	—	—	—	—
Italy	—	—	—	—	—	—	—	—
Jamaica	0	—	—	—	—	—	—	—
Japan	—	—	—	—	—	0	—	—
Korea, South	—	—	—	—	—	0	—	—
Lebanon	—	—	—	0	—	—	—	—
Mexico	232	—	—	1,128	—	472	—	—
Montenegro	—	—	—	—	—	—	—	—
Morocco	—	—	—	—	—	—	—	—
Mozambique	—	—	—	—	—	—	—	—
Netherlands	—	—	—	—	—	—	—	—
New Zealand	—	—	—	—	—	—	—	—
Nicaragua	46	—	—	—	—	—	—	—
Nigeria	—	—	—	—	—	—	—	—
Norway	—	—	—	—	—	—	—	—
Pakistan	—	—	—	—	—	—	—	—
Panama	1	—	—	249	—	436	—	—
Peru	0	—	—	—	—	—	—	—
Philippines	—	—	—	—	—	—	—	—
Portugal	—	—	—	—	—	—	—	—
Puerto Rico	—	—	—	0	—	—	—	—
Romania	—	—	—	—	—	—	—	—
Saudi Arabia	—	—	—	—	—	—	—	—
Serbia (Excludes Kosovo) ..	—	—	—	—	—	—	—	—
Singapore	—	—	—	—	—	—	—	—
South Africa	—	—	—	—	—	—	—	—
Spain	—	—	—	—	—	—	—	—
Switzerland	—	—	—	—	—	—	—	—
Taiwan	0	—	—	—	—	1	—	—
Thailand	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	—	—	—	—	—
Turkey	—	—	—	—	—	—	—	—
United Arab Emirates	0	—	—	—	—	—	—	—
United Kingdom	—	—	—	—	—	—	—	—
Venezuela	—	—	—	—	—	—	—	—
Other	—	—	—	195	—	120	—	—
Total	366	—	—	2,685	—	2,357	—	—

See footnotes at end of table.

Table 51. Exports of Crude Oil and Petroleum Products by Destination, December 2020
(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	—	—	62	0	344	344	—	11	11
Australia	1	223	0	4	—	312	312	—	10	10
Bahamas	—	—	1	1	0	1,794	1,794	—	58	58
Bahrain	—	—	—	0	—	0	0	—	0	0
Belgium	0	139	1	295	0	2,798	2,798	—	90	90
Belize	—	—	—	0	—	327	327	—	11	11
Brazil	3	2,380	—	508	1	14,136	15,018	28	456	484
Canada	102	272	26	227	7	10,941	22,855	384	353	737
Cayman Islands	—	—	0	1	—	47	47	—	2	2
Chile	0	—	72	97	0	5,346	6,077	24	172	196
China	2	2,043	1	52	1	7,402	29,680	719	239	957
Colombia	0	—	0	104	0	3,074	3,624	18	99	117
Costa Rica	0	—	42	6	0	1,484	1,484	—	48	48
Denmark	—	168	—	0	—	271	996	23	9	32
Dominican Republic	—	—	—	9	0	3,291	3,789	16	106	122
Ecuador	0	—	0	52	—	2,786	2,786	—	90	90
Egypt	—	303	—	0	—	1,037	1,037	—	33	33
El Salvador	0	0	0	55	—	1,551	1,551	—	50	50
Finland	—	—	—	1	—	139	879	24	4	28
France	0	16	—	1	—	2,106	4,305	71	68	139
Germany	2	0	2	34	—	746	2,899	69	24	94
Ghana	—	—	—	0	—	131	131	—	4	4
Gibraltar	—	—	—	—	—	1,397	1,397	—	45	45
Greece	—	55	—	0	—	55	55	—	2	2
Guatemala	0	193	—	19	—	3,741	3,741	—	121	121
Honduras	—	424	30	10	—	2,261	2,261	—	73	73
Hong Kong	0	—	—	1	0	250	250	—	8	8
India	1	0	0	125	0	2,601	19,949	560	84	644
Indonesia	0	0	1	1	0	4,363	4,363	—	141	141
Ireland	—	155	—	0	0	275	1,483	39	9	48
Israel	0	194	—	2	0	227	227	—	7	7
Italy	0	661	—	0	—	1,232	4,948	120	40	160
Jamaica	0	195	—	7	0	507	507	—	16	16
Japan	0	1,072	1	19	4	21,021	22,048	33	678	711
Korea, South	0	287	1	5	0	5,029	13,093	260	162	422
Lebanon	—	123	—	1	—	124	124	—	4	4
Mexico	30	1,413	252	1,016	17	40,703	40,703	—	1,313	1,313
Montenegro	—	—	—	—	—	—	—	—	—	—
Morocco	—	627	27	—	—	1,171	1,171	—	38	38
Mozambique	—	—	—	—	—	—	—	—	—	—
Netherlands	28	171	0	2	0	4,442	12,493	260	143	403
New Zealand	0	88	—	1	—	89	89	—	3	3
Nicaragua	—	—	0	4	—	306	680	12	10	22
Nigeria	—	—	—	0	—	242	242	—	8	8
Norway	0	94	—	0	—	1,201	1,930	24	39	62
Pakistan	—	322	0	0	0	323	323	—	10	10
Panama	—	—	24	22	—	4,116	5,445	43	133	176
Peru	0	37	0	95	0	4,217	4,933	23	136	159
Philippines	—	—	0	1	0	133	133	—	4	4
Portugal	—	—	—	—	—	534	1,304	25	17	42
Puerto Rico	0	—	1	9	—	59	59	—	2	2
Romania	—	—	—	0	—	0	0	—	0	0
Saudi Arabia	—	—	—	1	—	5	5	—	0	0
Serbia (Excludes Kosovo) ..	—	—	—	—	—	—	—	—	—	—
Singapore	0	—	—	25	0	691	691	—	22	22
South Africa	—	—	—	65	—	65	65	—	2	2
Spain	0	812	—	1	—	1,570	2,284	23	51	74
Switzerland	—	—	—	0	—	738	738	—	24	24
Taiwan	0	0	0	10	0	14	1,481	47	0	48
Thailand	0	—	—	4	0	6	3,148	101	0	102
Trinidad and Tobago	—	0	—	2	—	299	299	—	10	10
Turkey	0	1,207	—	29	—	2,746	2,746	—	89	89
United Arab Emirates	0	0	0	24	0	25	796	25	1	26
United Kingdom	1	278	0	2	0	1,542	10,353	284	50	334
Venezuela	0	—	—	2	—	4	4	—	0	0
Other	3	33	5	66	5	4,027	7,633	116	130	245
Total	174	13,985	487	3,080	35	172,414	276,927	3,371	5,562	8,933

-- = 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-December 2020
(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	—	1	—	1,180	—	845	845	—	—	—
Australia	10,796	4,022	—	34	—	1	1	2	0	2
Bahamas	5,460	1,233	—	0	—	1,767	1,767	1	488	489
Bahrain	—	—	—	0	—	5	5	0	—	0
Belgium	1,715	6,340	—	1,923	—	647	647	—	—	—
Belize	—	205	—	—	—	415	415	—	—	—
Brazil	10,540	20,123	—	15,152	—	22,737	22,737	—	690	690
Canada	146,735	108,778	—	15,241	—	8,181	8,181	—	8,884	8,884
Cayman Islands	—	11	—	0	—	65	65	3	44	47
Chile	9,332	11,273	—	392	—	2,980	2,980	—	114	114
China	176,243	56,950	—	1,001	—	8	8	—	—	—
Colombia	5,608	358	—	12,557	—	8,633	8,633	—	647	647
Costa Rica	—	1,739	—	31	—	5,193	5,193	0	—	0
Denmark	13,350	—	—	263	—	—	—	—	0	0
Dominican Republic	3,510	14,002	—	5	—	3,072	3,072	0	256	257
Ecuador	—	12,864	—	628	—	3,556	3,556	0	1,372	1,372
Egypt	—	2,785	—	—	—	—	—	—	—	—
El Salvador	—	3,236	—	10	—	4,241	4,241	—	0	0
Finland	741	2,533	—	1	—	0	0	0	—	0
France	28,119	9,431	—	837	—	1	1	—	—	—
Germany	38,130	222	—	75	—	3	3	—	0	0
Ghana	—	503	—	0	—	0	0	—	—	—
Gibraltar	680	3,127	—	—	—	—	—	—	—	—
Greece	3,284	0	—	0	—	0	0	—	—	—
Guatemala	—	3,754	—	65	—	14,437	14,437	0	0	0
Honduras	—	5,081	—	8	—	4,734	4,734	1	0	1
Hong Kong	—	4	—	520	—	—	—	—	0	0
India	101,562	38,402	—	120	—	0	0	0	—	0
Indonesia	4,729	35,368	—	16	—	1,348	1,348	—	—	—
Ireland	15,751	—	—	0	—	—	—	—	—	—
Israel	4,607	4	—	139	—	9	9	—	0	0
Italy	51,393	1,556	—	77	—	0	0	—	—	—
Jamaica	—	576	—	75	—	1,469	1,469	—	54	54
Japan	6,016	162,059	—	12,568	—	635	635	9	1	9
Korea, South	96,181	46,192	—	12,998	—	11	11	12	208	220
Lebanon	—	530	—	1	—	1	1	—	—	—
Mexico	—	65,990	—	3,799	—	153,938	153,938	546	7,044	7,591
Montenegro	—	—	—	—	—	—	—	—	—	—
Morocco	—	9,012	—	—	—	—	—	—	—	—
Mozambique	—	—	—	—	—	—	—	—	—	—
Netherlands	106,032	23,711	—	8,233	—	561	561	—	289	289
New Zealand	735	3	—	0	—	0	0	0	0	0
Nicaragua	3,391	0	—	384	—	386	386	—	—	—
Nigeria	—	4,159	—	1	—	637	637	—	—	—
Norway	2,029	10,665	—	798	—	—	—	—	0	0
Pakistan	—	—	—	—	—	1	1	—	—	—
Panama	8,870	1,171	—	102	—	9,236	9,236	—	12	12
Peru	6,828	1,557	—	1,022	—	7,125	7,125	—	550	550
Philippines	—	0	—	3	—	290	290	—	—	—
Portugal	6,144	6,666	—	—	—	1	1	—	—	—
Puerto Rico	—	300	—	21	—	595	595	2	4	5
Romania	—	—	—	0	—	—	—	—	—	—
Saudi Arabia	—	0	—	13	—	4	4	—	0	0
Serbia (Excludes Kosovo) ..	—	—	—	—	—	—	—	—	—	—
Singapore	33,363	5,155	—	2,490	—	3,243	3,243	0	488	488
South Africa	5,179	3,589	—	0	—	636	636	0	—	0
Spain	24,383	10,435	—	121	—	—	—	—	—	—
Switzerland	1,468	2,610	—	1	—	—	—	—	0	0
Taiwan	58,854	6,127	—	3,221	—	4	4	0	0	0
Thailand	27,492	0	—	9	—	—	—	—	0	0
Trinidad and Tobago	—	0	—	0	—	1,110	1,110	—	—	—
Turkey	—	12,054	—	0	—	1	1	—	—	—
United Arab Emirates	8,355	0	—	529	—	26	26	—	0	0
United Kingdom	90,528	24,000	—	321	—	63	63	0	273	273
Venezuela	—	2	—	1	—	15	15	7	0	8
Other	44,030	25,785	—	696	—	3,920	3,920	4	286	289
Total	1,162,163	766,253	—	97,682	—	266,786	266,786	587	21,704	22,291

See footnotes at end of table.

Table 52. Year-to-Date Exports of Crude Oil and Petroleum Products by Destination, January-December 2020
(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	--	--	--	5,543	--	--	--	5,543
Australia	--	--	146	--	--	--	1,268	--	0	--	1,268
Bahamas	--	--	1	--	--	--	7,026	595	2,499	--	10,119
Bahrain	--	--	0	--	--	--	--	--	--	--	--
Belgium	--	--	4	0	--	--	2,047	396	123	--	2,566
Belize	--	--	0	--	--	--	653	879	--	--	1,533
Brazil	--	--	4,759	--	--	--	59,117	3,764	2,628	--	65,510
Canada	--	--	7,790	3,009	--	--	12	3,635	1,731	--	5,378
Cayman Islands	--	--	0	--	--	--	960	--	--	--	960
Chile	--	--	11	--	--	--	37,545	582	593	--	38,720
China	--	--	506	88	--	--	337	--	1	--	338
Colombia	--	--	1,679	--	--	--	7,253	0	--	--	7,253
Costa Rica	--	--	2	--	--	--	7,126	121	--	--	7,246
Denmark	--	--	0	0	--	--	295	--	--	--	295
Dominican Republic	--	--	7	--	--	--	3,457	175	1,309	--	4,941
Ecuador	--	--	0	--	--	--	11,770	1,125	2,983	--	15,879
Egypt	--	--	3	--	--	--	0	--	--	--	0
El Salvador	--	--	--	--	--	--	993	1,912	598	--	3,503
Finland	--	--	485	--	--	--	324	--	--	--	324
France	--	--	108	--	--	--	12,660	--	0	--	12,660
Germany	--	--	0	10	--	--	498	0	700	--	1,198
Ghana	--	--	0	--	--	--	1	--	--	--	1
Gibraltar	--	--	--	--	--	--	6,292	1,283	3,201	--	10,776
Greece	--	--	0	--	--	--	291	--	--	--	291
Guatemala	--	--	0	0	--	--	4,182	5,432	2,369	--	11,983
Honduras	--	--	0	--	--	--	4,784	1,778	1,084	--	7,646
Hong Kong	--	--	249	--	--	--	0	--	--	--	0
India	--	--	4,517	--	--	--	11	--	22	--	33
Indonesia	--	--	0	--	--	--	1,475	--	--	--	1,475
Ireland	--	--	0	--	--	--	120	--	--	--	120
Israel	--	--	21	--	--	--	2	--	--	--	2
Italy	--	--	8	--	--	--	695	281	--	--	976
Jamaica	--	--	429	--	--	--	2,252	1	423	--	2,676
Japan	--	--	99	--	--	--	3	1	--	--	4
Korea, South	--	--	2,520	6	--	--	25	--	--	--	25
Lebanon	--	--	--	--	--	--	150	--	--	--	150
Mexico	--	--	1,561	7	--	--	91,802	534	889	--	93,225
Montenegro	--	--	--	--	--	--	--	--	--	--	--
Morocco	--	--	0	--	--	--	4,164	--	299	--	4,463
Mozambique	--	--	--	--	--	--	--	--	--	--	--
Netherlands	--	--	1,844	99	--	--	12,341	1,433	1,364	--	15,137
New Zealand	--	--	0	--	--	--	0	--	--	--	0
Nicaragua	--	--	0	--	--	--	422	262	481	--	1,164
Nigeria	--	--	887	--	--	--	2	--	--	--	2
Norway	--	--	340	25	--	--	381	--	--	--	381
Pakistan	--	--	1	--	--	--	--	--	--	--	--
Panama	--	--	1	--	--	--	19,809	3,710	2,069	--	25,588
Peru	--	--	1,043	136	--	--	23,426	27	100	--	23,553
Philippines	--	--	1,098	--	--	--	1	--	--	--	1
Portugal	--	--	0	--	--	--	--	--	--	--	--
Puerto Rico	--	--	44	0	--	--	4	3	--	--	8
Romania	--	--	--	--	--	--	268	--	--	--	268
Saudi Arabia	--	--	281	--	--	--	1,449	--	--	--	1,449
Serbia (Excludes Kosovo) ..	--	--	--	--	--	--	--	--	--	--	--
Singapore	--	--	38	1	--	--	8,529	589	560	--	9,678
South Africa	--	--	0	--	--	--	1	--	--	--	1
Spain	--	--	16	--	--	--	3,735	297	317	--	4,350
Switzerland	--	--	309	--	--	--	477	--	--	--	477
Taiwan	--	--	11	--	--	--	2	--	--	--	2
Thailand	--	--	0	--	--	--	1	--	--	--	1
Trinidad and Tobago	--	--	0	--	--	--	1,803	2,199	2,173	--	6,174
Turkey	--	--	229	--	--	--	355	--	--	--	355
United Arab Emirates	--	--	43	--	--	--	0	--	--	--	0
United Kingdom	--	--	604	0	--	--	10,945	120	550	--	11,616
Venezuela	--	--	0	--	--	--	17	0	--	--	18
Other	--	--	268	0	--	--	12,567	3,003	4,102	--	19,670
Total	--	--	31,962	3,380	--	--	371,668	34,137	33,168	--	438,973

See footnotes at end of table.

Table 52. Year-to-Date Exports of Crude Oil and Petroleum Products by Destination, January-December 2020
(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	—	—	93	—	—	—	—
Australia	0	—	—	0	—	0	—	—
Bahamas	0	—	—	960	—	6,069	—	—
Bahrain	0	—	—	—	—	—	—	—
Belgium	—	—	—	—	—	—	—	—
Belize	—	—	—	26	—	—	—	—
Brazil	10	—	—	641	—	922	—	—
Canada	927	—	—	7,027	—	7,333	—	—
Cayman Islands	1	—	—	65	—	0	—	—
Chile	0	—	—	897	—	1,523	—	—
China	0	—	—	3	—	12	—	—
Colombia	5	—	—	191	—	0	—	—
Costa Rica	0	—	—	848	—	475	—	—
Denmark	—	—	—	—	—	—	—	—
Dominican Republic	1	—	—	845	—	1,413	—	—
Ecuador	8	—	—	8	—	214	—	—
Egypt	0	—	—	—	—	0	—	—
El Salvador	0	—	—	118	—	0	—	—
Finland	0	—	—	300	—	1	—	—
France	0	—	—	—	—	0	—	—
Germany	—	—	—	—	—	1	—	—
Ghana	—	—	—	—	—	—	—	—
Gibraltar	—	—	—	—	—	—	—	—
Greece	—	—	—	—	—	132	—	—
Guatemala	0	—	—	390	—	13	—	—
Honduras	0	—	—	307	—	704	—	—
Hong Kong	—	—	—	0	—	—	—	—
India	0	—	—	—	—	1	—	—
Indonesia	—	—	—	—	—	—	—	—
Ireland	0	—	—	—	—	—	—	—
Israel	1	—	—	1,513	—	0	—	—
Italy	—	—	—	908	—	—	—	—
Jamaica	0	—	—	260	—	1,769	—	—
Japan	0	—	—	0	—	0	—	—
Korea, South	—	—	—	0	—	0	—	—
Lebanon	—	—	—	0	—	3,217	—	—
Mexico	1,112	—	—	11,480	—	8,441	—	—
Montenegro	—	—	—	—	—	—	—	—
Morocco	—	—	—	—	—	433	—	—
Mozambique	—	—	—	—	—	—	—	—
Netherlands	—	—	—	632	—	3,360	—	—
New Zealand	0	—	—	—	—	0	—	—
Nicaragua	47	—	—	540	—	—	—	—
Nigeria	—	—	—	0	—	0	—	—
Norway	—	—	—	—	—	0	—	—
Pakistan	—	—	—	—	—	—	—	—
Panama	1	—	—	2,103	—	6,307	—	—
Peru	0	—	—	659	—	0	—	—
Philippines	—	—	—	0	—	—	—	—
Portugal	—	—	—	—	—	—	—	—
Puerto Rico	1	—	—	1	—	6	—	—
Romania	—	—	—	—	—	0	—	—
Saudi Arabia	—	—	—	—	—	580	—	—
Serbia (Excludes Kosovo) ..	—	—	—	—	—	—	—	—
Singapore	1	—	—	207	—	6,281	—	—
South Africa	—	—	—	—	—	0	—	—
Spain	—	—	—	4	—	370	—	—
Switzerland	—	—	—	110	—	—	—	—
Taiwan	0	—	—	1	—	10	—	—
Thailand	—	—	—	0	—	0	—	—
Trinidad and Tobago	0	—	—	861	—	—	—	—
Turkey	0	—	—	—	—	0	—	—
United Arab Emirates	4	—	—	1	—	1	—	—
United Kingdom	0	—	—	972	—	421	—	—
Venezuela	—	—	—	—	—	0	—	—
Other	28	—	—	1,781	—	1,598	—	—
Total	2,147	—	—	34,752	—	51,607	—	—

See footnotes at end of table.

Table 52. Year-to-Date Exports of Crude Oil and Petroleum Products by Destination, January-December 2020
(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	2	156	0	1,047	0	8,868	8,868	—	24	24
Australia	14	2,586	522	66	1	8,662	19,458	29	24	53
Bahamas	—	—	15	23	1	20,677	26,137	15	56	71
Bahrain	0	—	—	3	—	8	8	—	0	0
Belgium	0	855	174	4,285	11	16,805	18,520	5	46	51
Belize	—	—	—	10	—	2,190	2,190	—	6	6
Brazil	12	15,886	0	4,212	9	150,662	161,202	29	412	440
Canada	1,045	7,929	1,839	2,973	85	186,420	333,155	401	509	910
Cayman Islands	—	—	31	12	—	1,193	1,193	—	3	3
Chile	4	2	472	744	4	57,136	66,467	25	156	182
China	18	21,977	11	232	8	81,152	257,395	482	222	703
Colombia	2	1	46	923	3	32,299	37,906	15	88	104
Costa Rica	1	479	453	163	1	16,631	16,631	—	45	45
Denmark	0	824	—	0	—	1,382	14,732	36	4	40
Dominican Republic	1	1,279	608	172	1	26,602	30,113	10	73	82
Ecuador	1	1,470	1	387	0	36,388	36,388	—	99	99
Egypt	0	2,771	3	6	—	5,569	5,569	—	15	15
El Salvador	1	281	0	262	0	11,653	11,653	—	32	32
Finland	0	—	—	6	—	3,651	4,391	2	10	12
France	3	1,488	—	73	0	24,602	52,721	77	67	144
Germany	51	602	17	59	2	2,239	40,369	104	6	110
Ghana	—	—	—	6	—	510	510	—	1	1
Gibraltar	—	—	—	—	—	13,903	14,583	2	38	40
Greece	—	2,107	—	3	—	2,534	5,818	9	7	16
Guatemala	2	2,756	0	186	—	33,587	33,587	—	92	92
Honduras	1	3,007	179	105	0	21,774	21,774	—	59	59
Hong Kong	1	—	0	13	1	789	789	—	2	2
India	21	28,664	2	1,259	3	73,022	174,584	277	200	477
Indonesia	0	1	8	15	0	38,231	42,960	13	104	117
Ireland	—	501	—	1	1	623	16,374	43	2	45
Israel	0	1,726	—	614	0	4,030	8,637	13	11	24
Italy	40	5,397	0	3	0	8,966	60,359	140	24	165
Jamaica	0	273	207	98	1	7,886	7,886	—	22	22
Japan	7	18,642	7	135	45	194,211	200,227	16	531	547
Korea, South	2	1,628	8	84	4	63,699	159,880	263	174	437
Lebanon	—	244	—	5	—	4,148	4,148	—	11	11
Mexico	230	19,295	3,182	10,815	268	380,932	380,932	—	1,041	1,041
Montenegro	—	—	0	—	—	0	0	—	0	0
Morocco	—	5,054	61	1	—	19,023	19,023	—	52	52
Mozambique	—	849	—	0	—	849	849	—	2	2
Netherlands	127	2,901	9	350	3	57,256	163,288	290	156	446
New Zealand	0	440	51	8	—	503	1,238	2	1	3
Nicaragua	0	182	0	46	—	2,748	6,139	9	8	17
Nigeria	—	532	0	646	—	6,863	6,863	—	19	19
Norway	0	1,222	—	3	0	13,434	15,464	6	37	42
Pakistan	0	3,197	0	16	0	3,215	3,215	—	9	9
Panama	0	265	149	753	0	45,686	54,556	24	125	149
Peru	1	68	0	595	4	36,313	43,140	19	99	118
Philippines	1	552	0	14	1	1,960	1,960	—	5	5
Portugal	0	691	—	8	—	7,366	13,510	17	20	37
Puerto Rico	0	—	102	119	—	1,203	1,203	—	3	3
Romania	—	1,160	—	1	—	1,429	1,429	—	4	4
Saudi Arabia	1	284	175	126	0	2,913	2,913	—	8	8
Serbia (Excludes Kosovo) ..	—	—	—	—	—	—	—	—	—	—
Singapore	0	0	63	839	0	28,484	61,847	91	78	169
South Africa	1	865	1	603	—	5,695	10,875	14	16	30
Spain	10	5,893	0	14	0	21,214	45,597	67	58	125
Switzerland	0	1,306	36	1	—	4,849	6,316	4	13	17
Taiwan	21	1	3	66	2	9,468	68,323	161	26	187
Thailand	1	749	2	34	2	797	28,290	75	2	77
Trinidad and Tobago	0	1	0	120	0	8,268	8,268	—	23	23
Turkey	0	12,591	0	167	—	25,399	25,399	—	69	69
United Arab Emirates	0	1,223	6	545	0	2,378	10,733	23	6	29
United Kingdom	8	1,667	1	20	1	39,967	130,495	247	109	357
Venezuela	0	—	—	45	0	89	89	—	0	0
Other	8	5,793	143	905	15	60,890	104,919	120	169	289
Total	1,638	190,313	8,587	35,045	477	1,951,893	3,114,055	3,175	5,333	8,508

-- = 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, December 2020
(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	311	-6	-	0	-	0	0	0	3	3
Algeria	61	-	-	-	-	-	-	-	-	-
Angola	12	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea	-	2	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-
Iraq	89	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	0	-	-	-	-	-	-
Libya	-	-	-	0	-	-	-	-	-	-
Nigeria	63	-8	-	0	-	-	-	-	3	3
Saudi Arabia	111	-	-	0	-	-	-	-	-	-
United Arab Emirates	-25	-	-	0	-	-	-	-	-	-
Venezuela	-	-	-	-	-	0	0	0	-	0
Non-OPEC	2,030	-2,040	15	80	-	-843	-843	205	225	431
Argentina	-	-	-	1	-	-1	-1	-	-	-
Aruba	-	0	-	-	-	-3	-3	-	-	-
Australia	-	0	-	0	-	-	-	-	0	0
Bahamas	-	0	-	0	-	-12	-12	-	-	-
Bahrain	-	-	-	0	-	-	-	-	-	-
Belgium	-	-27	-	-18	-	-6	-6	-	11	11
Brazil	115	-61	-	-61	-	-64	-64	-	20	20
Brunei	-	-	-	-	-	-	-	-	-	-
Cameroon	16	-	-	-	-	-	-	-	-	-
Canada	3,434	-10	15	-32	-	-8	-8	129	2	131
Chad	-	-	-	-	-	-	-	-	-	-
China	-719	-161	-	0	-	0	0	-	-	-
Colombia	175	0	-	-37	-	-39	-39	-	-	-
Denmark	-23	-	-	-3	-	-	-	-	-	-
Dominican Republic	-16	-84	-	0	-	-6	-6	-	-	-
Ecuador	163	-35	-	12	-	-15	-15	-	-	-
Estonia	-	-	-	-	-	-	-	-	-	-
Finland	-24	-	-	-	-	-	-	-	25	25
France	-71	-27	-	-1	-	17	17	15	-	15
Germany	-69	-	-	0	-	0	0	-	-	-
Guatemala	9	-3	-	0	-	-77	-77	-	-	-
Honduras	-	-18	-	0	-	-18	-18	-	-	-
India	-560	-76	-	0	-	-	-	-	26	26
Indonesia	-	-132	-	0	-	-	-	-	-	-
Italy	-120	-13	-	0	-	0	0	-	15	15
Japan	-33	-621	-	-21	-	0	0	-	0	0
Korea, South	-260	-132	-	-10	-	4	4	0	15	15
Latvia	-	-	-	-	-	-	-	-	-	-
Lithuania	-48	0	-	-	-	-	-	-	10	10
Malaysia	-	-	-	-	-	-	-	-	-	-
Mexico	659	-266	-	16	-	-538	-538	0	-36	-36
Netherlands	-260	-62	-	-57	-	3	3	41	47	88
Norway	-4	-19	-	-10	-	-	-	-	-	-
Oman	-	-	-	0	-	-	-	-	-	-
Panama	-43	-7	-	0	-	-34	-34	-	-	-
Portugal	-25	-17	-	-	-	27	27	-	-	-
Puerto Rico	-	-1	-	0	-	0	0	-	-	-
Qatar	-	-	-	0	-	-	-	-	-	-
Russia	46	-	-	293	-	-	-	-	53	53
Spain	-23	-22	-	-	-	-	-	-	8	8
Sweden	-46	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	34	-	-	0	-	0	0	-	-	-
United Kingdom	-221	-16	-	0	-	2	2	21	20	41
Vietnam	-22	0	-	-	-	-	-	-	0	0
Virgin Islands, U.S.	-	-2	-	4	-	0	0	-	3	3
Yemen	-	-	-	-	-	-	-	-	-	-
Other	-34	-228	0	4	-	-75	-75	-1	6	6
Total	2,341	-2,046	15	80	-	-843	-843	205	228	434
Persian Gulf²	175	-	-	0	-	-	-	-	-	-

See footnotes at end of table.

Table 53. Net Imports of Crude Oil and Petroleum Products into the United States by Country, December 2020
(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	--	--	0	-	-	-	82	-	-	-	82
Algeria	--	--	-	-	-	-	-	-	-	-	-
Angola	--	--	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	--	--	-	-	-	-	-	-	-	-	-
Equatorial Guinea	--	--	-	-	-	-	-	-	-	-	-
Gabon	--	--	-	-	-	-	-	-	-	-	-
Iran	--	--	-	-	-	-	-	-	-	-	-
Iraq	--	--	-	-	-	-	-	-	-	-	-
Kuwait	--	--	-	-	-	-	-	-	-	-	-
Libya	--	--	-	-	-	-	-	-	-	-	-
Nigeria	--	--	0	-	-	-	27	-	-	-	27
Saudi Arabia	--	--	-	-	-	-	46	-	-	-	46
United Arab Emirates	--	--	-	-	-	-	10	-	-	-	10
Venezuela	--	--	0	-	-	-	0	-	-	-	0
Non-OPEC	--	--	-78	10	28	-	-675	-49	-90	-	-813
Argentina	--	--	-	-	-	-	-8	-	-	-	-8
Aruba	--	--	0	-	-	-	-1	-	-	-	-1
Australia	--	--	-3	-	-	-	0	-	-	-	0
Bahamas	--	--	-	-	-	-	-29	-	-	-	-29
Bahrain	--	--	-	-	-	-	-	-	-	-	-
Belgium	--	--	0	-	-	-	-1	-	-4	-	-5
Brazil	--	--	2	-	-	-	-171	-	-	-	-171
Brunei	--	--	-	-	-	-	-	-	-	-	-
Cameroon	--	--	-	-	-	-	-	-	-	-	-
Canada	--	--	-18	6	-	-	163	-2	-2	-	159
Chad	--	--	-	-	-	-	-	-	-	-	-
China	--	--	-10	-	-	-	0	-	-	-	0
Colombia	--	--	-5	-	-	-	-2	-	-	-	-2
Denmark	--	--	-	-	-	-	-	-	-	-	-
Dominican Republic	--	--	0	-	-	-	-10	-2	-3	-	-16
Ecuador	--	--	-	-	-	-	-38	-	-	-	-38
Estonia	--	--	-	-	-	-	-	-	-	-	-
Finland	--	--	-1	-	-	-	-4	-	-	-	-4
France	--	--	0	-	-	-	-40	-	-	-	-40
Germany	--	--	-	5	-	-	0	-	-23	-	-22
Guatemala	--	--	-	-	-	-	-16	-6	-11	-	-33
Honduras	--	--	-	-	-	-	-15	-6	-	-	-22
India	--	--	-4	-	-	-	62	-	-	-	62
Indonesia	--	--	-	-	-	-	6	-	-	-	6
Italy	--	--	0	-	-	-	1	-6	-	-	-5
Japan	--	--	0	-	-	-	-	-	-	-	-
Korea, South	--	--	-10	0	-	-	7	10	-	-	17
Latvia	--	--	-	-	-	-	-	-	-	-	-
Lithuania	--	--	-	-	-	-	-	-	-	-	-
Malaysia	--	--	-	-	-	-	6	-	-	-	6
Mexico	--	--	-2	-	-	-	-318	0	0	-	-318
Netherlands	--	--	-4	-	-	-	21	-	0	-	21
Norway	--	--	-	-	-	-	-	-	-	-	-
Oman	--	--	-	-	-	-	1	-	-	-	1
Panama	--	--	0	-	-	-	-65	-2	-1	-	-69
Portugal	--	--	-	-	-	-	-	-	-	-	-
Puerto Rico	--	--	0	-	-	-	0	0	-	-	0
Qatar	--	--	-	-	-	-	39	-	-	-	39
Russia	--	--	-	-	-	-	22	-	-	-	22
Spain	--	--	0	-	-	-	-2	-	-	-	-2
Sweden	--	--	0	-	-	-	1	-	-	-	1
Trinidad and Tobago	--	--	-	-	-	-	-10	-	-	-	-10
United Kingdom	--	--	-4	0	-	-	-10	-	-	-	-10
Vietnam	--	--	-	-	-	-	0	-	-	-	0
Virgin Islands, U.S.	--	--	-	-	-	-	-3	-	-	-	-3
Yemen	--	--	-	-	-	-	-	-	-	-	-
Other	--	--	-19	-1	28	-	-261	-35	-46	-	-339
Total	--	--	-78	10	28	-	-592	-49	-90	-	-731
Persian Gulf²	--	--	-	-	-	-	94	-	-	-	94

See footnotes at end of table.

Table 53. Net Imports of Crude Oil and Petroleum Products into the United States by Country, December 2020
(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	-	-	36	1	0	-	-
Algeria	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-
Equatorial Guinea	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-
Iraq	-	-	-	0	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	0	-	-
Saudi Arabia	-	-	-	32	1	-	-	-
United Arab Emirates	0	-	-	4	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-
Non-OPEC	-12	0	-	14	5	18	8	4
Argentina	-	-	-	-	-	-	-	1
Aruba	0	-	-	-2	-	-	-	-
Australia	-	-	-	0	-	-	-	-
Bahamas	-	-	-	-1	-	-16	-	-
Bahrain	0	-	-	-	-	-	-	-
Belgium	-	-	-	-	-	7	-	-
Brazil	-	-	-	-	1	0	-	-
Brunei	-	-	-	-	-	-	-	-
Cameroon	-	-	-	-	-	-	-	-
Canada	-2	0	-	-4	2	-6	3	2
Chad	-	-	-	-	-	-	-	-
China	-	-	-	-	-	0	-	-
Colombia	0	-	-	5	-	9	-	-
Denmark	-	-	-	-	-	-	-	-
Dominican Republic	0	-	-	0	-	-	-	-
Ecuador	0	-	-	0	-	-	-	-
Estonia	-	-	-	-	-	-	-	-
Finland	-	-	-	-	-	0	-	-
France	0	-	-	-	-	0	-	1
Germany	-	-	-	-	-	1	-	-
Guatemala	0	-	-	-1	-	-	-	-
Honduras	0	-	-	-1	-	-	-	-
India	-	-	-	-	1	0	-	-
Indonesia	-	-	-	-	-	-	-	-
Italy	-	-	-	-	-	-	-	-
Japan	-	-	-	-	0	0	-	-
Korea, South	0	-	-	72	0	0	1	-
Latvia	-	-	-	-	-	-	-	-
Lithuania	-	-	-	-	-	-	-	-
Malaysia	-	-	-	10	-	0	-	-
Mexico	-7	-	-	-36	-	41	3	-
Netherlands	-	-	-	-	-	7	0	-
Norway	-	-	-	-	-	-	-	-
Oman	-	-	-	-	-	-	-	-
Panama	0	-	-	-8	-	-14	-	-
Portugal	-	-	-	-	-	-	-	-
Puerto Rico	-	-	-	0	-	-	-	-
Qatar	-	-	-	-	-	-	-	-
Russia	0	-	-	-	-	2	-	-
Spain	-	-	-	-	-	-	-	-
Sweden	-	-	-	-	-	-	-	-
Trinidad and Tobago	-	-	-	-	-	-	-	-
United Kingdom	-	-	-	-	-	1	0	-
Vietnam	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-	-	-
Yemen	-	-	-	-	-	-	-	-
Other	-3	0	-	-20	1	-14	1	0
Total	-12	0	-	50	7	18	8	4
Persian Gulf²	0	-	-	36	1	-	-	-

See footnotes at end of table.

Table 53. Net Imports of Crude Oil and Petroleum Products into the United States by Country, December 2020
(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	0	0	5	0	122	433
Algeria	--	--	--	--	--	--	61
Angola	--	--	--	0	--	0	12
Congo (Brazzaville)	--	--	--	--	--	--	--
Equatorial Guinea	--	--	--	0	--	2	2
Gabon	--	--	--	--	--	--	--
Iran	--	--	--	--	--	--	--
Iraq	--	--	--	0	--	0	89
Kuwait	--	--	--	0	--	0	0
Libya	--	--	--	0	--	0	0
Nigeria	--	--	--	0	--	22	85
Saudi Arabia	--	--	--	0	--	79	190
United Arab Emirates	0	0	0	5	0	19	-6
Venezuela	0	--	--	0	--	0	0
Non-OPEC	-1	-447	24	-71	-1	-3,668	-1,638
Argentina	0	2	--	-2	0	-7	-7
Aruba	--	--	--	0	--	-6	-6
Australia	0	-7	0	0	--	-10	-10
Bahamas	--	--	0	0	0	-58	-58
Bahrain	--	--	--	0	--	0	0
Belgium	0	-4	0	-9	0	-52	-52
Brazil	0	-77	--	-16	0	-427	-312
Brunei	--	--	--	--	--	--	--
Cameroon	--	--	--	0	0	0	16
Canada	-1	-7	38	0	0	269	3,703
Chad	--	--	--	--	--	--	--
China	0	-66	0	-2	0	-239	-957
Colombia	0	--	0	-3	0	-73	102
Denmark	--	-5	--	0	--	-9	-32
Dominican Republic	--	--	--	0	0	-106	-122
Ecuador	0	--	0	-2	--	-78	86
Estonia	--	--	--	--	--	--	--
Finland	--	--	--	0	--	20	-3
France	0	-1	--	0	--	-35	-106
Germany	0	0	0	0	--	-17	-86
Guatemala	0	-6	--	-1	--	-121	-111
Honduras	--	-14	-1	0	--	-73	-73
India	0	0	0	-4	0	6	-554
Indonesia	0	0	0	2	0	-124	-124
Italy	1	-21	--	0	--	-23	-143
Japan	1	-35	0	-1	0	-677	-710
Korea, South	0	-9	0	13	0	-39	-299
Latvia	--	--	--	0	--	0	0
Lithuania	--	0	--	0	--	10	-38
Malaysia	0	--	--	0	0	16	16
Mexico	-1	-46	-8	-33	-1	-1,232	-573
Netherlands	-1	-6	0	0	0	-12	-271
Norway	0	-3	--	0	--	-33	-37
Oman	--	--	--	0	--	1	1
Panama	--	--	-1	-1	--	-133	-176
Portugal	--	--	--	--	--	10	-15
Puerto Rico	0	--	0	0	--	-2	-2
Qatar	--	--	--	2	--	40	40
Russia	0	--	0	0	--	370	416
Spain	0	-26	--	0	--	-43	-66
Sweden	--	-1	--	0	--	0	-46
Trinidad and Tobago	--	0	--	0	--	-10	25
United Kingdom	0	-9	0	0	0	3	-218
Vietnam	0	--	--	0	--	0	-23
Virgin Islands, U.S.	--	--	0	0	--	2	2
Yemen	--	--	--	0	--	0	0
Other	0	-106	-4	-14	0	-776	-815
Total	-1	-447	24	-66	-1	-3,546	-1,205
Persian Gulf²	0	0	0	7	0	138	313

-- = 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-December 2020
(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	793	-8	-	9	-	1	1	1	17	18
Algeria	7	-	-	3	-	-	-	-	4	4
Angola	28	-	-	0	-	-	-	-	2	2
Congo (Brazzaville)	1,903	-	-	-	-	-	-	-	-	-
Equatorial Guinea	-	3	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	3	3
Iraq	177	-	-	0	-	0	0	0	-	0
Kuwait	21	-	-	2	-	0	0	0	-	0
Libya	9	0	-	0	-	0	0	-	-	-
Nigeria	67	-11	-	2	-	-2	-2	-	3	3
Saudi Arabia	498	0	-	3	-	3	3	1	3	4
United Arab Emirates	-18	1	-	0	-	0	0	-	2	2
Venezuela	-	0	-	0	-	0	0	0	0	0
Non-OPEC	1,908	-1,943	15	264	-	-624	-624	170	230	400
Argentina	34	0	-	-3	-	-2	-2	-	1	1
Aruba	-	0	-	0	-	-1	-1	-	0	0
Australia	-29	-11	-	0	-	0	0	0	0	0
Bahamas	-12	-3	-	0	-	-5	-5	0	-1	-1
Bahrain	-	-	-	0	-	0	0	0	-	0
Belgium	-5	-17	-	5	-	2	2	5	7	13
Brazil	48	-55	-	-41	-	-54	-54	0	20	20
Brunei	15	-	-	-	-	-	-	-	-	-
Cameroon	19	0	-	-	-	-	-	-	-	-
Canada	3,197	-164	15	-37	-	-6	-6	101	9	110
Chad	-	0	-	-	-	-	-	-	-	-
China	-482	-156	-	-3	-	0	0	-	-	-
Colombia	233	-1	-	-27	-	-23	-23	-	1	1
Denmark	-36	-	-	0	-	0	0	0	0	0
Dominican Republic	-10	-38	-	0	-	-8	-8	0	-1	-1
Ecuador	169	-35	-	13	-	-10	-10	0	-4	-4
Estonia	-	-	-	-	-	-	-	-	0	0
Finland	-2	-7	-	1	-	1	1	0	14	14
France	-77	-26	-	-2	-	11	11	8	0	8
Germany	-104	-1	-	2	-	0	0	0	2	2
Guatemala	4	-10	-	0	-	-39	-39	0	0	0
Honduras	-	-14	-	0	-	-13	-13	0	0	0
India	-277	-105	-	1	-	1	1	0	56	56
Indonesia	-13	-97	-	0	-	-4	-4	-	-	-
Italy	-139	-4	-	6	-	0	0	1	15	16
Japan	-16	-443	-	-34	-	-2	-2	0	2	2
Korea, South	-263	-126	-	-36	-	6	6	2	9	11
Latvia	-	-	-	-	-	0	0	-	0	0
Lithuania	-6	0	-	-	-	1	1	-	4	4
Malaysia	-17	0	-	5	-	0	0	-	0	0
Mexico	656	-180	0	24	-	-421	-421	0	-16	-16
Netherlands	-290	-65	-	-18	-	9	9	23	27	50
Norway	8	-26	-	1	-	1	1	1	6	7
Oman	-	-	-	0	-	-	-	-	-	-
Panama	-23	-3	-	0	-	-25	-25	-	0	0
Portugal	-17	-18	-	1	-	18	18	3	3	6
Puerto Rico	-	-1	-	0	-	-2	-2	0	0	0
Qatar	-	0	-	0	-	0	0	0	-	0
Russia	73	0	-	384	-	6	6	2	28	30
Spain	-67	-29	-	3	-	8	8	1	14	15
Sweden	-39	-12	-	6	-	2	2	0	4	4
Trinidad and Tobago	38	0	-	0	-	-3	-3	-	-	-
United Kingdom	-219	-64	-	7	-	3	3	23	17	40
Vietnam	-13	-5	-	0	-	-	-	-	0	0
Virgin Islands, U.S.	-8	-4	-	-1	-	-1	-1	-	0	0
Yemen	-	-	-	-	-	-	-	-	-	-
Other	-422	-223	0	7	-	-74	-74	0	13	12
Total	2,701	-1,952	15	274	-	-624	-624	171	247	418
Persian Gulf²	678	1	-	5	-	2	2	1	7	8

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-December 2020
(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	--	--	-3	0	--	--	8	0	--	--	8
Algeria	--	--	--	--	--	--	--	--	--	--	--
Angola	--	--	--	--	--	--	--	--	--	--	--
Congo (Brazzaville)	--	--	--	--	--	--	--	--	--	--	--
Equatorial Guinea	--	--	0	--	--	--	--	--	--	--	--
Gabon	--	--	--	--	--	--	--	--	--	--	--
Iran	--	--	--	--	--	--	--	--	--	--	--
Iraq	--	--	--	--	--	--	0	--	--	--	0
Kuwait	--	--	0	0	--	--	0	--	--	--	0
Libya	--	--	--	--	--	--	0	--	--	--	0
Nigeria	--	--	-2	--	--	--	4	--	--	--	4
Saudi Arabia	--	--	-1	--	--	--	1	--	--	--	1
United Arab Emirates	--	--	0	--	--	--	3	--	--	--	3
Venezuela	--	--	0	--	--	--	0	0	--	--	0
Non-OPEC	--	--	-75	4	18	--	-813	-89	-89	--	-991
Argentina	--	--	0	--	--	--	-15	--	--	--	-15
Aruba	--	--	0	--	--	--	0	--	--	--	0
Australia	--	--	0	--	--	--	-3	--	0	--	-3
Bahamas	--	--	0	--	--	--	-18	-2	-7	--	-27
Bahrain	--	--	0	--	--	--	--	--	--	--	--
Belgium	--	--	0	0	--	--	-2	-1	0	--	-3
Brazil	--	--	-4	--	--	--	-162	-10	-7	--	-179
Brunei	--	--	--	--	--	--	--	--	--	--	--
Cameroon	--	--	--	--	--	--	0	--	--	--	0
Canada	--	--	-21	-1	--	--	126	-9	-4	--	112
Chad	--	--	--	--	--	--	--	--	--	--	--
China	--	--	-1	0	--	--	0	1	0	--	1
Colombia	--	--	-5	--	--	--	-1	0	--	--	-1
Denmark	--	--	0	0	--	--	-1	--	--	--	-1
Dominican Republic	--	--	0	--	--	--	-9	0	-4	--	-13
Ecuador	--	--	0	--	--	--	-32	-3	-8	--	-43
Estonia	--	--	--	--	--	--	-1	--	--	--	-1
Finland	--	--	-1	--	--	--	-1	--	--	--	-1
France	--	--	0	--	--	--	-35	--	0	--	-35
Germany	--	--	0	3	--	--	-1	0	-2	--	-3
Guatemala	--	--	0	0	--	--	-11	-15	-6	--	-33
Honduras	--	--	0	--	--	--	-13	-5	-3	--	-21
India	--	--	-12	--	--	--	9	2	0	--	11
Indonesia	--	--	0	--	--	--	0	--	--	--	0
Italy	--	--	0	--	--	--	0	-1	--	--	-1
Japan	--	--	0	0	--	--	1	0	--	--	1
Korea, South	--	--	-7	2	--	--	7	1	--	--	8
Latvia	--	--	--	--	--	--	0	--	--	--	0
Lithuania	--	--	--	--	--	--	--	--	--	--	--
Malaysia	--	--	0	--	--	--	3	--	--	--	3
Mexico	--	--	-4	0	--	--	-251	-1	-2	--	-255
Netherlands	--	--	-5	0	--	--	-29	-4	-3	--	-36
Norway	--	--	-1	0	--	--	-1	--	--	--	-1
Oman	--	--	0	--	--	--	0	--	--	--	0
Panama	--	--	0	--	--	--	-54	-10	-6	--	-70
Portugal	--	--	0	--	--	--	--	--	--	--	--
Puerto Rico	--	--	0	0	--	--	0	0	--	--	0
Qatar	--	--	0	--	--	--	6	--	--	--	6
Russia	--	--	0	--	--	--	9	0	--	--	9
Spain	--	--	0	1	--	--	-8	-1	-1	--	-10
Sweden	--	--	0	--	--	--	-2	--	--	--	-2
Trinidad and Tobago	--	--	0	--	--	--	-5	-6	-6	--	-17
United Kingdom	--	--	-2	0	--	--	-30	0	-2	--	-32
Vietnam	--	--	0	--	--	--	0	--	--	--	0
Virgin Islands, U.S.	--	--	0	--	--	--	-8	-4	-1	--	-12
Yemen	--	--	--	--	--	--	--	--	--	--	--
Other	--	--	-12	-1	18	--	-281	-21	-27	--	-327
Total	--	--	-78	4	18	--	-805	-89	-89	--	-983
Persian Gulf²	--	--	-1	0	--	--	10	--	--	--	10

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-December 2020
(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	-	-	15	1	2	0	-
Algeria	-	-	-	1	-	1	-	-
Angola	-	-	-	1	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-
Equatorial Guinea	-	-	-	-	-	0	-	-
Gabon	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-
Iraq	0	-	-	0	-	-	-	-
Kuwait	-	-	-	5	-	-	-	-
Libya	-	-	-	-	-	-	-	-
Nigeria	-	-	-	0	-	0	-	-
Saudi Arabia	-	-	-	6	1	0	0	-
United Arab Emirates	0	-	-	2	-	1	-	-
Venezuela	-	-	-	-	-	0	-	-
Non-OPEC	-5	1	-	39	12	23	15	3
Argentina	0	-	-	0	-	2	-	0
Aruba	0	-	-	-1	-	-	-	-
Australia	0	-	-	0	-	0	-	-
Bahamas	0	-	-	-3	-	-11	-	-
Bahrain	0	-	-	-	-	-	-	-
Belgium	-	-	-	-	-	2	0	-
Brazil	0	-	-	-2	1	3	-	0
Brunei	-	-	-	4	-	-	-	-
Cameroon	-	-	-	-	-	-	-	-
Canada	-2	0	-	-11	2	0	3	2
Chad	-	-	-	-	-	-	-	-
China	0	-	-	1	-	0	-	-
Colombia	0	-	-	1	-	3	-	-
Denmark	-	-	-	-	-	2	-	-
Dominican Republic	0	-	-	-2	-	-4	-	-
Ecuador	0	-	-	0	-	2	-	-
Estonia	-	-	-	-	-	0	-	-
Finland	0	-	-	-1	-	0	-	-
France	0	-	-	-	0	1	0	1
Germany	-	-	-	-	0	1	-	-
Guatemala	0	-	-	-1	-	0	-	-
Honduras	0	-	-	-1	-	-2	-	-
India	0	-	-	9	1	0	-	-
Indonesia	-	-	-	-	-	-	-	-
Italy	-	-	-	0	-	0	-	-
Japan	1	-	-	14	2	0	3	-
Korea, South	0	-	-	79	6	0	1	-
Latvia	-	-	-	0	-	0	-	-
Lithuania	-	-	-	-	-	1	-	-
Malaysia	0	-	-	1	-	-2	-	-
Mexico	-3	-	-	-31	0	26	5	-
Netherlands	-	0	-	-2	0	-2	3	-
Norway	-	-	-	-	-	0	0	-
Oman	-	-	-	-	-	-	-	-
Panama	0	-	-	-5	-	-16	-	-
Portugal	-	-	-	-	-	1	-	-
Puerto Rico	0	-	-	0	-	0	-	-
Qatar	0	-	-	3	-	-	-	-
Russia	0	-	-	0	-	36	-	-
Spain	-	-	-	0	0	-1	-	-
Sweden	-	-	-	-	-	3	-	-
Trinidad and Tobago	0	-	-	-2	-	-	-	-
United Kingdom	0	-	-	-1	0	1	0	-
Vietnam	-	-	-	0	-	-	-	-
Virgin Islands, U.S.	0	-	-	-1	-	-1	-	-
Yemen	-	-	-	-	-	-	-	-
Other	-1	1	-	-9	0	-22	0	0
Total	-5	1	-	55	13	25	15	3
Persian Gulf²	0	-	-	17	1	1	0	-

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-December 2020
(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	-1	0	0	37	830
Algeria	--	--	--	0	--	8	15
Angola	--	--	--	0	--	3	31
Congo (Brazzaville)	--	--	--	--	--	--	1,908
Equatorial Guinea	--	--	--	0	--	3	3
Gabon	--	--	--	0	--	0	0
Iran	--	--	--	--	--	3	3
Iraq	0	--	--	0	--	0	177
Kuwait	0	0	0	0	--	7	28
Libya	--	--	--	0	--	0	9
Nigeria	--	-1	0	-2	--	-10	56
Saudi Arabia	0	-1	0	0	0	16	514
United Arab Emirates	0	-3	0	2	0	7	-10
Venezuela	0	--	--	0	0	0	0
Non-OPEC	0	-505	22	-60	-1	-3,389	-1,481
Argentina	0	4	0	-3	0	-15	19
Aruba	--	--	0	0	--	-2	-2
Australia	0	-7	-1	0	0	-24	-53
Bahamas	--	--	0	0	0	-50	-62
Bahrain	0	--	--	1	--	1	1
Belgium	0	-2	0	-11	0	-13	-17
Brazil	0	-42	0	-12	0	-364	-316
Brunei	--	--	--	0	--	4	19
Cameroon	0	--	--	0	0	0	19
Canada	-1	-20	34	-1	0	15	3,212
Chad	--	--	--	--	--	0	0
China	1	-60	0	-1	0	-219	-700
Colombia	0	0	1	-3	0	-52	180
Denmark	0	-2	0	0	--	-1	-37
Dominican Republic	0	-3	-2	0	0	-73	-82
Ecuador	0	-4	0	-1	0	-83	86
Estonia	--	--	--	0	--	-1	-1
Finland	0	--	--	0	--	6	4
France	0	-4	--	0	0	-46	-123
Germany	0	-1	0	0	0	3	-101
Guatemala	0	-8	0	-1	--	-92	-88
Honduras	0	-8	0	0	0	-59	-59
India	0	-78	0	-3	0	-120	-398
Indonesia	0	0	0	3	0	-98	-111
Italy	0	-15	0	0	0	3	-136
Japan	0	-51	0	0	0	-509	-525
Korea, South	0	-4	0	9	0	-53	-316
Latvia	--	--	--	0	0	0	0
Lithuania	0	0	--	0	0	7	1
Malaysia	0	-1	0	-1	0	5	-12
Mexico	-1	-53	-9	-30	-1	-947	-291
Netherlands	0	-8	0	0	0	-74	-364
Norway	0	-3	--	0	0	-22	-13
Oman	0	0	0	0	--	0	0
Panama	0	-1	0	-2	0	-123	-145
Portugal	0	-2	--	0	--	6	-10
Puerto Rico	0	0	0	0	--	-3	-3
Qatar	0	-1	--	8	--	16	16
Russia	0	0	0	0	--	464	538
Spain	0	-16	1	0	0	-28	-94
Sweden	0	0	--	0	0	0	-39
Trinidad and Tobago	0	0	0	0	0	-22	16
United Kingdom	0	-5	0	0	0	-52	-271
Vietnam	0	-2	0	0	0	-8	-21
Virgin Islands, U.S.	--	--	0	0	--	-21	-29
Yemen	--	--	--	0	--	0	0
Other	1	-108	-2	-12	0	-745	-1,173
Total	0	-511	21	-60	-1	-3,352	-651
Persian Gulf²	0	-5	-1	11	0	50	729

-- = 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, December 2020
(Thousand Barrels)

Commodity	PAD Districts					U.S. Total
	1	2	3	4	5	
Crude Oil	9,866	147,159	896,924	24,228	45,166	1,123,343
Refinery	5,577	13,722	45,277	2,516	17,263	84,355
Tank Farms and Pipelines (Includes Cushing, OK)	4,289	133,437	213,561	21,712	24,580	397,579
Cushing, Oklahoma	--	59,049	--	--	--	59,049
Leases	--	--	--	--	--	--
Strategic Petroleum Reserve ¹	--	--	638,086	--	--	638,086
Alaskan In Transit	--	--	--	--	3,323	3,323
Total Stocks, All Oils (excluding Crude Oil)²	180,969	168,767	394,448	24,675	90,203	859,062
Refinery	11,284	45,117	113,688	10,767	44,325	225,181
Bulk Terminal	139,819	84,904	222,508	7,196	40,867	495,294
Pipeline	28,960	37,496	57,141	6,539	4,746	134,882
Natural Gas Processing Plant	906	1,250	1,111	173	265	3,705
Natural Gas Liquids	12,001	46,723	157,625	6,319	4,240	226,908
Refinery	426	4,018	4,712	317	1,253	10,726
Bulk Terminal	8,690	23,498	129,032	1,372	2,722	165,314
Pipeline	1,979	17,957	22,770	4,457	--	47,163
Natural Gas Processing Plant	906	1,250	1,111	173	265	3,705
Ethane	1,138	5,815	61,715	932	--	69,600
Refinery	--	--	116	--	--	116
Bulk Terminal	549	2,506	53,836	--	--	56,891
Pipeline	527	3,169	7,704	928	--	12,328
Natural Gas Processing Plant	62	140	59	4	--	265
Propane	8,161	19,981	37,333	2,817	2,143	70,435
Refinery	75	1,336	620	42	71	2,144
Bulk Terminal	6,698	13,909	29,028	928	1,982	52,545
Pipeline	1,083	4,179	7,607	1,773	--	14,642
Natural Gas Processing Plant	305	557	78	74	90	1,104
Normal Butane	2,004	7,913	28,678	1,362	1,686	41,643
Refinery	233	2,006	2,859	185	842	6,125
Bulk Terminal	1,346	4,585	23,642	435	734	30,742
Pipeline	271	1,200	2,092	705	--	4,268
Natural Gas Processing Plant	154	122	85	37	110	508
Isobutane	219	1,889	9,425	436	372	12,341
Refinery	118	445	767	77	339	1,746
Bulk Terminal	--	248	7,138	--	4	7,390
Pipeline	50	996	1,346	346	--	2,738
Natural Gas Processing Plant	51	200	174	13	29	467
Natural Gasoline	479	11,125	20,474	772	39	32,889
Refinery	--	231	350	13	1	595
Bulk Terminal	97	2,250	15,388	9	2	17,746
Pipeline	48	8,413	4,021	705	--	13,187
Natural Gas Processing Plant	334	231	715	45	36	1,361
Refinery Olefins	323	427	1,313	173	13	2,249
Refinery	323	427	1,313	173	13	2,249
Bulk Terminal	--	--	--	--	--	--
Pipeline	--	--	--	--	--	--
Natural Gas Processing Plant	--	--	--	--	--	--
Ethylene	--	--	0	--	--	0
Refinery	--	--	0	--	--	0
Bulk Terminal	--	--	--	--	--	--
Pipeline	--	--	--	--	--	--
Natural Gas Processing Plant	--	--	--	--	--	--
Propylene	145	381	950	0	11	1,487
Refinery	145	381	950	0	11	1,487
Bulk Terminal	--	--	--	--	--	--
Pipeline	--	--	--	--	--	--
Natural Gas Processing Plant	--	--	--	--	--	--
Normal Butylene	136	46	363	173	2	720
Refinery	136	46	363	173	2	720
Bulk Terminal	--	--	--	--	--	--
Pipeline	--	--	--	--	--	--
Natural Gas Processing Plant	--	--	--	--	--	--
Isobutylene	42	0	0	0	0	42
Refinery	42	0	0	0	0	42
Bulk Terminal	--	--	--	--	--	--
Pipeline	--	--	--	--	--	--
Natural Gas Processing Plant	--	--	--	--	--	--
Other Hydrocarbons	--	13	--	--	--	13
Refinery	--	13	--	--	--	13
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, December 2020
(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)	8,592	10,813	5,427	427	4,626	29,885
Refinery	241	144	248	133	299	1,065
Bulk Terminal	8,351	10,669	5,179	289	4,327	28,815
Pipeline	--	--	--	5	--	5
Fuel Ethanol²	7,231	9,734	4,316	416	2,990	24,687
Refinery	234	100	161	127	65	687
Bulk Terminal	6,997	9,634	4,155	284	2,925	23,995
Pipeline	--	--	--	5	--	5
Renewable Diesel Fuel⁵	1,361	1,079	1,104	11	1,616	5,171
Refinery	7	44	87	6	234	378
Bulk Terminal	1,354	1,035	1,017	5	1,382	4,793
Pipeline	--	--	--	--	--	--
Other Renewable Fuels	--	--	7	--	20	27
Refinery	--	--	--	--	--	--
Bulk Terminal	--	--	7	--	20	27
Pipeline	--	--	--	--	--	--
Unfinished Oils	3,328	11,514	43,664	2,688	17,013	78,207
Naphthas and Lighter	731	3,428	11,122	571	2,841	18,693
Refinery	701	3,354	9,965	571	2,628	17,219
Bulk Terminal	30	74	1,157	--	213	1,474
Kerosene and Light Gas Oils	356	2,166	7,040	431	2,643	12,636
Refinery	347	2,166	5,832	431	2,532	11,308
Bulk Terminal	9	--	1,208	--	111	1,328
Heavy Gas Oils	1,643	3,974	19,649	1,259	9,357	35,882
Refinery	1,359	3,937	18,125	1,259	8,032	32,712
Bulk Terminal	284	37	1,524	--	1,325	3,170
Residuum	598	1,946	5,853	427	2,172	10,996
Refinery	598	1,946	5,517	427	2,167	10,655
Bulk Terminal	--	--	336	--	5	341
Motor Gasoline Blending Components²	63,978	43,522	75,456	6,519	28,403	217,878
Refinery	3,505	12,063	27,195	3,657	13,049	59,469
Bulk Terminal	48,092	23,254	31,796	1,930	13,174	118,246
Pipeline	12,381	8,205	16,465	932	2,180	40,163
Reformulated - RBOB	21,964	5,179	10,836	--	15,470	53,449
Refinery	1,356	913	1,981	--	5,036	9,286
Bulk Terminal	16,240	3,398	4,547	--	9,089	33,274
Pipeline	4,368	868	4,308	--	1,345	10,889
Conventional	42,014	38,343	64,620	6,519	12,933	164,429
Refinery	2,149	11,150	25,214	3,657	8,013	50,183
Bulk Terminal	31,852	19,856	27,249	1,930	4,085	84,972
Pipeline	8,013	7,337	12,157	932	835	29,274
CBOB	27,041	30,818	33,499	5,257	6,473	103,088
Refinery	196	5,157	10,319	2,398	2,168	20,238
Bulk Terminal	19,069	18,485	11,196	1,927	3,471	54,148
Pipeline	7,776	7,176	11,984	932	834	28,702
GTAB	678	--	--	--	--	678
Refinery	--	--	--	--	--	--
Bulk Terminal	678	--	--	--	--	678
Pipeline	--	--	--	--	--	--
Other	14,295	7,525	31,121	1,262	6,460	60,663
Refinery	1,953	5,993	14,895	1,259	5,845	29,945
Bulk Terminal	12,105	1,371	16,053	3	614	30,146
Pipeline	237	161	173	--	1	572
Aviation Gasoline Blending Components	--	--	31	--	--	31
Refinery	--	--	31	--	--	31
Bulk Terminal	--	--	--	--	--	--
Finished Motor Gasoline	4,562	7,356	8,257	2,138	2,997	25,310
Refinery	34	1,448	2,994	903	805	6,184
Bulk Terminal	2,358	3,282	4,213	886	2,072	12,811
Pipeline	2,170	2,626	1,050	349	120	6,315
Reformulated	30	--	--	--	18	48
Refinery	--	--	--	--	18	18
Bulk Terminal	30	--	--	--	--	30
Pipeline	--	--	--	--	--	--
Reformulated (Blended with Fuel Ethanol)	30	--	--	--	18	48
Refinery	--	--	--	--	18	18
Bulk Terminal	30	--	--	--	--	30
Pipeline	--	--	--	--	--	--

See footnotes at end of table.

Table 55. Stocks of Crude Oil and Petroleum Products by PAD District, December 2020
(Thousand Barrels) — Continued

Commodity	PAD Districts					U.S. Total
	1	2	3	4	5	
Reformulated (Other)	-	-	-	-	-	-
Refinery	-	-	-	-	-	-
Bulk Terminal	-	-	-	-	-	-
Pipeline	-	-	-	-	-	-
Conventional	4,532	7,356	8,257	2,138	2,979	25,262
Refinery	34	1,448	2,994	903	787	6,166
Bulk Terminal	2,328	3,282	4,213	886	2,072	12,781
Pipeline	2,170	2,626	1,050	349	120	6,315
Conventional (Blended with Fuel Ethanol)	-	147	-	70	23	240
Refinery	-	-	-	68	-	68
Bulk Terminal	-	147	-	2	23	172
Pipeline	-	-	-	-	-	-
Ed55 and Lower	-	147	-	70	-	217
Refinery	-	-	-	68	-	68
Bulk Terminal	-	147	-	2	-	149
Pipeline	-	-	-	-	-	-
Greater than Ed55	-	-	-	-	-	-
Refinery	-	-	-	-	-	-
Bulk Terminal	-	-	-	-	23	23
Pipeline	-	-	-	-	-	-
Conventional (Other)	4,532	7,209	8,257	2,068	2,956	25,022
Refinery	34	1,448	2,994	835	787	6,098
Bulk Terminal	2,328	3,135	4,213	884	2,049	12,609
Pipeline	2,170	2,626	1,050	349	120	6,315
Finished Aviation Gasoline	210	181	423	7	300	1,121
Refinery	-	98	313	7	195	613
Bulk Terminal	210	83	110	-	105	508
Pipeline	-	-	-	-	-	-
Kerosene-Type Jet Fuel	10,150	6,542	12,424	566	8,945	38,627
Refinery	405	1,831	4,671	279	3,287	10,473
Bulk Terminal	6,201	3,219	4,467	238	4,952	19,077
Pipeline	3,544	1,492	3,286	49	706	9,077
Kerosene	2,204	198	243	2	13	2,660
Refinery	107	132	147	2	1	389
Bulk Terminal	1,810	66	6	-	12	1,894
Pipeline	287	-	90	-	-	377
Distillate Fuel Oil²	60,620	28,024	53,105	4,115	14,577	160,441
Refinery	1,532	6,651	14,556	1,609	5,569	29,917
Bulk Terminal	50,489	14,157	25,069	1,759	7,268	98,742
Pipeline	8,599	7,216	13,480	747	1,740	31,782
15 ppm sulfur and Under	56,213	27,426	47,431	3,924	13,581	148,575
Refinery	1,238	6,316	12,334	1,464	4,954	26,306
Bulk Terminal	46,731	14,084	22,252	1,715	6,979	91,761
Pipeline	8,244	7,026	12,845	745	1,648	30,508
Greater than 15 ppm to 500 ppm sulfur	1,407	302	1,332	153	214	3,408
Refinery	90	102	787	107	172	1,258
Bulk Terminal	1,317	24	461	44	13	1,859
Pipeline	-	176	84	2	29	291
Greater than 500 ppm sulfur	3,000	296	4,342	38	782	8,458
Refinery	204	233	1,435	38	443	2,353
Bulk Terminal	2,441	49	2,356	-	276	5,122
Pipeline	355	14	551	-	63	983
Residual Fuel Oil	8,014	1,129	16,167	179	4,745	30,234
Refinery	256	839	3,092	179	1,859	6,225
Bulk Terminal	7,758	290	13,075	-	2,886	24,009
Pipeline	-	-	-	-	-	-
Less than 0.31% Sulfur	927	73	1,211	23	852	3,086
Refinery	21	67	30	23	23	164
Bulk Terminal	906	6	1,181	-	829	2,922
0.31% to 1.00% Sulfur	2,350	236	3,810	4	522	6,922
Refinery	93	209	546	4	224	1,076
Bulk Terminal	2,257	27	3,264	-	298	5,846
Greater than 1.00% Percent Sulfur	4,737	820	11,146	152	3,371	20,226
Refinery	142	563	2,516	152	1,612	4,985
Bulk Terminal	4,595	257	8,630	-	1,759	15,241
Petrochemical Feedstocks	-	604	2,282	-	2	2,888
Refinery	-	604	2,282	-	2	2,888
Naphtha for Petrochemical Feedstock Use	-	482	1,592	-	2	2,076
Other Oils for Petrochemical Feedstock Use	-	122	690	-	-	812
Special Naphthas	42	151	819	-	48	1,060
Refinery	21	81	812	-	48	962
Bulk Terminal	21	70	7	-	-	98
Lubricants	1,143	631	7,032	-	894	9,700
Refinery	609	188	4,491	-	666	5,954
Bulk Terminal	534	443	2,541	-	228	3,746
Waxes	261	40	254	-	-	555
Refinery	261	40	254	-	-	555
Petroleum Coke	-	1,635	4,656	196	1,216	7,703
Refinery	-	1,635	4,656	196	1,216	7,703
Asphalt and Road Oil	5,484	9,157	4,967	1,330	2,086	23,024
Refinery	504	3,395	2,179	608	619	7,305
Bulk Terminal	4,980	5,762	2,788	722	1,467	15,719

Table 55. Stocks of Crude Oil and Petroleum Products by PAD District, December 2020
(Thousand Barrels) — Continued

Commodity	PAD Districts					U.S. Total
	1	2	3	4	5	
Miscellaneous Products	57	107	303	16	85	568
Refinery	55	107	303	16	85	566
Bulk Terminal	2	—	—	—	—	2
Pipeline	—	—	—	—	—	—
Total Stocks, All Oils	190,835	315,926	1,291,372	48,903	135,369	1,982,405

-- = 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.

Includes stocks held at fuel ethanol production facilities.

³ Includes stocks held by merchant producers.

⁴ 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).

⁵ 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-22M "Monthly Biodiesel Production Survey", 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 Oxygenate Report."

Table 56. Refinery, Bulk Terminal, and Natural Gas Plant Stocks of Selected Petroleum Products by PAD District and State, December 2020
(Thousand Barrels)

Commodity	Motor Gasoline			Motor Gasoline Blending Components ¹			Kerosene
	Reformulated	Conventional	Total	Reformulated	Conventional	Total	
PAD District 1	30	2,362	2,392	17,596	34,001	51,597	1,917
Connecticut	—	—	—	1,108	14	1,122	80
Delaware	—	—	—	897	339	1,236	73
District of Columbia	—	—	—	—	—	—	—
Florida	—	1,156	1,156	—	5,725	5,725	—
Georgia	—	348	348	—	2,575	2,575	—
Maine	—	—	—	473	335	808	187
Maryland	—	—	—	1,998	91	2,089	95
Massachusetts	4	—	4	1,880	—	1,880	38
New Hampshire	—	—	—	—	—	—	—
New Jersey	—	230	230	7,304	12,751	20,055	503
New York	26	11	37	722	2,586	3,308	618
North Carolina	—	282	282	—	2,493	2,493	155
Pennsylvania	—	15	15	715	3,631	4,346	101
Rhode Island	—	—	—	731	—	731	—
South Carolina	—	240	240	—	1,680	1,680	10
Vermont	—	—	—	—	52	52	5
Virginia	—	41	41	1,768	1,595	3,363	52
West Virginia	—	39	39	—	134	134	—
PAD District 2	—	4,730	4,730	4,311	31,006	35,317	198
Illinois	—	555	555	2,034	4,241	6,275	120
Indiana	—	224	224	863	4,585	5,448	8
Iowa	—	254	254	—	1,974	1,974	—
Kansas	—	486	486	—	3,134	3,134	20
Kentucky	—	208	208	334	1,236	1,570	—
Michigan	—	153	153	80	2,267	2,347	—
Minnesota	—	499	499	0	2,139	2,139	—
Missouri	—	330	330	335	569	904	—
Nebraska	—	116	116	—	665	665	—
North Dakota	—	172	172	—	766	766	—
Ohio	—	643	643	—	3,185	3,185	7
Oklahoma	—	761	761	—	2,328	2,328	—
South Dakota	—	65	65	—	411	411	—
Tennessee	—	194	194	—	1,889	1,889	—
Wisconsin	—	70	70	665	1,617	2,282	43
PAD District 3	—	7,207	7,207	6,528	52,463	58,991	153
Alabama	—	155	155	15	1,457	1,472	3
Arkansas	—	156	156	—	1,056	1,056	—
Louisiana	—	1,383	1,383	321	12,076	12,397	100
Mississippi	—	1,362	1,362	18	1,985	2,003	—
New Mexico	—	16	16	—	486	486	—
Texas	—	4,135	4,135	6,174	35,403	41,577	50
PAD District 4	—	1,789	1,789	—	5,587	5,587	2
Colorado	—	433	433	—	1,588	1,588	—
Idaho	—	302	302	—	125	125	—
Montana	—	390	390	—	1,282	1,282	—
Utah	—	96	96	—	1,282	1,282	2
Wyoming	—	568	568	—	1,310	1,310	—
PAD District 5	18	2,859	2,877	14,125	12,098	26,223	13
Alaska	—	839	839	—	—	—	12
Arizona	—	79	79	957	369	1,326	—
California	18	314	332	12,646	6,023	18,669	1
Hawaii	—	590	590	—	694	694	—
Nevada	—	213	213	14	323	337	—
Oregon	—	96	96	—	1,305	1,305	—
Washington	—	728	728	508	3,384	3,892	—
U.S. Total	48	18,947	18,995	42,560	135,155	177,715	2,283

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, December 2020
(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	47,969	1,407	2,645	52,021	8,014	7,078
Connecticut	5,218	—	—	5,218	17	—
Delaware	776	57	35	868	763	7
District of Columbia	—	—	—	—	—	—
Florida	2,559	208	—	2,767	1,545	275
Georgia	1,868	—	—	1,868	222	15
Maine	2,469	4	31	2,504	64	—
Maryland	4,293	—	—	4,293	457	3
Massachusetts	2,176	43	322	2,541	143	—
New Hampshire	669	—	—	669	35	621
New Jersey	11,676	674	1,509	13,859	3,166	56
New York	6,231	61	110	6,402	1,320	1,627
North Carolina	1,565	—	4	1,569	—	343
Pennsylvania	3,939	2	122	4,063	181	2,783
Rhode Island	1,290	—	—	1,290	—	—
South Carolina	933	—	—	933	15	703
Vermont	162	—	—	162	—	—
Virginia	2,038	328	512	2,878	86	2
West Virginia	107	30	—	137	—	243
PAD District 2	20,400	126	282	20,808	1,129	15,802
Illinois	3,396	—	2	3,398	514	982
Indiana	2,150	—	73	2,223	83	392
Iowa	1,438	1	—	1,439	1	413
Kansas	1,802	—	—	1,802	26	7,040
Kentucky	921	13	—	934	—	247
Michigan	1,443	—	—	1,443	113	5,291
Minnesota	1,437	—	55	1,492	145	328
Missouri	564	10	5	579	—	138
Nebraska	654	—	—	654	—	369
North Dakota	693	1	—	694	37	50
Ohio	2,097	—	45	2,142	73	452
Oklahoma	1,604	101	102	1,807	55	59
South Dakota	349	—	—	349	—	13
Tennessee	1,096	—	—	1,096	65	3
Wisconsin	756	—	—	756	17	25
PAD District 3	34,586	1,248	3,791	39,625	16,167	29,726
Alabama	1,562	4	28	1,594	495	16
Arkansas	957	—	—	957	—	23
Louisiana	4,684	479	1,013	6,176	7,899	1,399
Mississippi	1,099	358	144	1,601	428	1,955
New Mexico	319	—	—	319	80	3
Texas	25,965	407	2,606	28,978	7,265	26,330
PAD District 4	3,179	151	38	3,368	179	1,044
Colorado	720	—	—	720	3	17
Idaho	326	—	—	326	—	—
Montana	997	90	—	1,087	66	27
Utah	554	13	38	605	49	932
Wyoming	582	48	—	630	61	68
PAD District 5	11,933	185	719	12,837	4,745	2,143
Alaska	958	—	61	1,019	155	5
Arizona	646	—	—	646	—	1,624
California	6,359	172	410	6,941	3,355	351
Hawaii	325	—	245	570	422	52
Nevada	489	—	3	492	—	—
Oregon	906	—	—	906	119	—
Washington	2,250	13	—	2,263	694	111
U.S. Total	118,067	3,117	7,475	128,659	30,234	55,793

— = 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, December 2020
(Thousand Barrels)

Commodity	From 1 to			From 2 to				From 3 to	
	2	3	5	1	3	4	5	1	2
Crude Oil	540	48	0	2,177	55,221	5,862	4,049	1,915	13,235
Petroleum Products	16,380	75	306	21,747	42,128	10,793	5,487	96,711	14,654
Natural Gas Liquids	7,343	75	0	8,063	30,896	7,079	932	2,531	8,362
Ethane	5,163	0	—	0	12,331	958	—	0	603
Propane	1,182	0	0	5,569	11,108	3,226	269	2,474	963
Normal Butane	220	21	0	2,330	3,525	1,343	633	57	284
Isobutane	427	54	0	164	1,275	481	30	0	813
Natural Gasoline	351	0	—	0	2,657	1,071	—	0	5,699
Refinery Olefins	0	0	—	296	642	—	—	0	0
Ethylene	—	—	—	—	—	—	—	—	—
Propylene	0	0	—	296	642	—	—	0	0
Normal Butylene	—	—	—	—	—	—	—	—	—
Isobutylene	—	—	—	—	—	—	—	—	—
Unfinished Oils	21	0	—	0	587	—	—	0	0
Motor Gasoline Blending Components	5,654	0	144	1,048	1,830	1,596	0	54,161	2,789
Reformulated - RBOB	0	0	0	0	15	—	0	7,805	903
Conventional	5,654	0	144	1,048	1,815	1,596	0	46,356	1,886
CBOB	5,654	0	0	1,048	1,579	1,596	0	45,646	1,886
GTAB	—	—	69	0	—	—	0	0	—
Other	0	0	75	0	236	—	0	710	0
Renewable Fuels	0	0	0	9,910	5,755	552	4,063	337	0
Fuel Ethanol	0	0	0	9,373	5,323	509	3,516	337	0
Renewable Diesel Fuel ²	0	0	0	538	432	43	546	0	0
Other Renewable Fuels	—	—	—	—	—	—	—	—	—
Finished Motor Gasoline	63	0	0	730	451	278	0	4,408	208
Reformulated	—	—	—	—	—	—	—	—	—
Reformulated Blended with Fuel Ethanol	—	—	—	—	—	—	—	—	—
Reformulated Other	—	—	—	—	—	—	—	—	—
Conventional	63	0	0	730	451	278	0	4,408	208
Conventional Blended with Fuel Ethanol	—	—	—	—	—	—	—	—	—
Ed55 and Lower	—	—	—	—	—	—	—	—	—
Greater than Ed55	—	—	—	—	—	—	—	—	—
Conventional Other	63	0	0	730	451	278	0	4,408	208
Finished Aviation Gasoline	0	0	—	0	0	—	—	101	4
Kerosene-Type Jet Fuel	369	0	0	75	0	439	0	9,775	1,208
Kerosene	—	0	—	0	0	—	—	278	—
Distillate Fuel Oil	2,881	0	0	812	871	822	0	23,645	1,603
15 ppm sulfur and under	2,881	0	0	812	871	822	0	22,784	1,512
Greater than 15 ppm to 500 ppm sulfur	0	0	—	—	0	—	—	—	91
Greater than 500 ppm sulfur	—	0	—	0	0	—	—	861	—
Residual Fuel Oil	0	0	—	0	497	—	—	365	0
Petrochemical Feedstocks	0	0	162	0	72	—	0	154	0
Naphtha for Petrochemical Feedstock Use	0	0	162	0	49	—	0	154	0
Other Oils for Petrochemical Feedstock Use	0	0	—	—	23	—	—	—	0
Special Naphthas	0	0	—	—	0	—	—	—	15
Lubricants	0	0	—	0	0	—	—	616	266
Waxes	—	—	—	—	—	—	—	—	—
Marketable Petroleum Coke	0	0	0	162	286	27	137	0	0
Asphalt and Road Oil	49	0	0	650	242	0	355	340	186
Miscellaneous Products	0	0	—	—	0	—	—	—	13
Total	16,920	123	306	23,924	97,349	16,655	9,536	98,626	27,889

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, December 2020
(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	360	0	23,417	267	0	0	0	0
Petroleum Products	0	6,188	0	16,382	2,256	2,897	0	25	0
Natural Gas Liquids	0	86	0	15,286	2,151	557	0	0	0
Ethane	0	—	0	3,704	504	—	0	0	0
Propane	0	0	0	6,022	726	130	0	0	0
Normal Butane	0	82	0	2,490	261	373	0	0	0
Isobutane	0	4	0	996	224	54	0	0	0
Natural Gasoline	0	—	0	2,074	436	—	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	3,738	0	95	0	1,091	0	0	0
Reformulated - RBOB	—	2,152	0	0	0	0	0	0	—
Conventional	0	1,586	0	95	0	1,091	0	0	0
CBOB	0	1,586	0	95	0	1,091	0	0	0
GTAB	—	0	0	—	—	0	0	—	—
Other	—	0	0	0	0	0	0	0	—
Renewable Fuels	0	763	0	0	0	28	0	0	0
Fuel Ethanol	0	428	0	0	0	28	0	0	0
Renewable Diesel Fuel ²	0	335	0	0	0	0	0	0	0
Other Renewable Fuels	—	—	—	—	—	—	—	—	—
Finished Motor Gasoline	0	0	0	435	0	446	0	0	0
Reformulated	—	—	—	—	—	—	—	—	—
Reformulated Blended with Fuel Ethanol	—	—	—	—	—	—	—	—	—
Reformulated Other	—	—	—	—	—	—	—	—	—
Conventional	0	0	0	435	0	446	0	0	0
Conventional Blended with Fuel Ethanol	—	—	—	—	—	—	—	—	—
Ed55 and Lower	—	—	—	—	—	—	—	—	—
Greater than Ed55	—	—	—	—	—	—	—	—	—
Conventional Other	0	0	0	435	0	446	0	0	0
Finished Aviation Gasoline	—	—	0	0	0	—	0	0	—
Kerosene-Type Jet Fuel	0	131	0	12	0	15	0	0	0
Kerosene	—	—	0	—	0	—	0	0	—
Distillate Fuel Oil	0	1,293	0	330	0	547	0	0	0
15 ppm sulfur and under	0	1,293	0	330	0	547	0	0	0
Greater than 15 ppm to 500 ppm sulfur	—	—	—	0	0	—	—	0	—
Greater than 500 ppm sulfur	—	—	0	—	0	—	0	0	—
Residual Fuel Oil	—	—	0	0	0	—	0	0	—
Petrochemical Feedstocks	—	0	0	0	0	0	0	0	—
Naphtha for Petrochemical Feedstock Use	—	0	0	0	0	0	0	0	—
Other Oils for Petrochemical Feedstock Use	—	—	—	0	0	—	—	0	—
Special Naphthas	—	—	—	0	0	—	—	0	—
Lubricants	—	—	0	0	0	—	0	0	—
Waxes	—	—	—	—	—	—	—	—	—
Marketable Petroleum Coke	0	0	0	133	26	57	0	25	0
Asphalt and Road Oil	0	177	0	91	79	156	0	0	0
Miscellaneous Products	—	—	—	0	0	—	—	0	—
Total	0	6,548	0	39,799	2,523	2,897	0	25	0

— = 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, December 2020
(Thousand Barrels)

Commodity	From 1 to		From 2 to			From 3 to			
	2	3	1	3	4	1	2	4	5
Crude Oil	155	48	253	54,319	5,862	135	13,235	0	-
Petroleum Products	15,977	0	8,504	32,534	10,214	72,063	13,093	0	5,162
Natural Gas Liquids	7,225	0	6,358	29,998	7,079	2,337	7,900	0	-
Ethane	5,163	0	0	12,331	958	0	603	0	-
Propane	1,182	0	4,489	10,330	3,226	2,337	760	0	-
Normal Butane	156	0	1,869	3,439	1,343	0	190	0	-
Isobutane	373	0	0	1,241	481	0	648	0	-
Natural Gasoline	351	0	0	2,657	1,071	0	5,699	0	-
Motor Gasoline Blending Components	5,626	0	747	1,532	1,596	40,269	2,789	0	3,738
Reformulated - RBOB	0	0	0	15	-	7,805	903	-	2,152
Conventional	5,626	0	747	1,517	1,596	32,464	1,886	0	1,586
CBOB	5,626	0	747	1,517	1,596	31,754	1,886	0	1,586
GTAB	-	-	-	-	-	-	-	-	-
Other	-	0	0	0	-	710	-	-	-
Renewable Fuels	-	-	-	-	-	-	-	-	-
Fuel Ethanol	-	-	-	-	-	-	-	-	-
Renewable Diesel Fuel ¹	-	-	-	-	-	-	-	-	-
Other Renewable Fuels	-	-	-	-	-	-	-	-	-
Finished Motor Gasoline	63	0	674	144	278	2,511	208	0	0
Reformulated	-	-	-	-	-	-	-	-	-
Reformulated Blended with Fuel Ethanol	-	-	-	-	-	-	-	-	-
Reformulated Other	-	-	-	-	-	-	-	-	-
Conventional	63	0	674	144	278	2,511	208	0	0
Conventional Blended with Fuel Ethanol	-	-	-	-	-	-	-	-	-
Ed55 and Lower	-	-	-	-	-	-	-	-	-
Greater than Ed55	-	-	-	-	-	-	-	-	-
Conventional Other	63	0	674	144	278	2,511	208	0	0
Finished Aviation Gasoline	-	-	-	-	-	-	-	-	-
Kerosene-Type Jet Fuel	254	0	75	0	439	6,908	804	0	131
Kerosene	-	0	0	0	-	278	-	-	-
Distillate Fuel Oil	2,809	0	650	860	822	19,760	1,392	0	1,293
15 ppm sulfur and under	2,809	0	650	860	822	18,899	1,301	0	1,293
Greater than 15 ppm to 500 ppm sulfur	0	0	-	0	-	-	91	-	-
Greater than 500 ppm sulfur	-	0	0	0	-	861	-	-	-
Residual Fuel Oil	-	-	-	-	-	-	-	-	-
Miscellaneous Products	-	-	-	-	-	-	-	-	-
Total	16,132	48	8,757	86,853	16,076	72,198	26,328	0	5,162

See footnotes at end of table.

Table 58. Movements of Crude Oil and Petroleum Products by Pipeline Between PAD Districts, December 2020
(Thousand Barrels) — Continued

Commodity	From 4 to				From 5 to	
	1	2	3	5	3	4
Crude Oil	0	23,417	267	-	0	0
Petroleum Products	0	16,158	2,151	2,099	0	0
Natural Gas Liquids	0	15,286	2,151	-	0	0
Ethane	0	3,704	504	-	0	0
Propane	0	6,022	726	-	0	0
Normal Butane	0	2,490	261	-	0	0
Isobutane	0	996	224	-	0	0
Natural Gasoline	0	2,074	436	-	0	0
Motor Gasoline Blending Components	0	95	0	1,091	0	0
Reformulated - RBOB	0	0	0	0	0	-
Conventional	0	95	0	1,091	0	0
CBOB	0	95	0	1,091	0	0
GTAB	-	-	-	-	-	-
Other	0	-	0	-	0	-
Renewable Fuels	-	-	-	-	-	-
Fuel Ethanol	-	-	-	-	-	-
Renewable Diesel Fuel ¹	-	-	-	-	-	-
Other Renewable Fuels	-	-	-	-	-	-
Finished Motor Gasoline	0	435	0	446	0	0
Reformulated	-	-	-	-	-	-
Reformulated Blended with Fuel Ethanol	-	-	-	-	-	-
Reformulated Other	-	-	-	-	-	-
Conventional	0	435	0	446	0	0
Conventional Blended with Fuel Ethanol	-	-	-	-	-	-
Ed55 and Lower	-	-	-	-	-	-
Greater than Ed55	-	-	-	-	-	-
Conventional Other	0	435	0	446	0	0
Finished Aviation Gasoline	-	-	-	-	-	-
Kerosene-Type Jet Fuel	0	12	0	15	0	0
Kerosene	0	-	0	-	0	-
Distillate Fuel Oil	0	330	0	547	0	0
15 ppm sulfur and under	0	330	0	547	0	0
Greater than 15 ppm to 500 ppm sulfur	-	0	0	-	0	-
Greater than 500 ppm sulfur	0	-	0	-	0	-
Residual Fuel Oil	-	-	-	-	-	-
Miscellaneous Products	-	-	-	-	-	-
Total	0	39,575	2,418	2,099	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, December 2020
(Thousand Barrels)

Commodity	From 1 to			From 2 to		
	2	3	5	1	3	5
Crude Oil	385	0	0	349	875	0
Petroleum Products	236	0	306	766	2,299	0
Natural Gas Liquids	—	0	—	0	0	—
Ethane	—	—	—	—	—	—
Propane	—	0	—	0	0	—
Normal Butane	—	—	—	—	—	—
Isobutane	—	—	—	—	—	—
Natural Gasoline	—	—	—	—	—	—
Unfinished Oils	21	0	—	0	587	—
Motor Gasoline Blending Components	28	0	144	301	298	0
Reformulated - RBOB	—	—	—	—	—	—
Conventional	28	0	144	301	298	0
CBOB	28	0	—	301	62	—
GTAB	—	—	69	0	—	0
Other	0	0	75	0	236	0
Renewable Fuels	0	0	0	209	490	0
Fuel Ethanol	0	0	—	209	430	—
Renewable Diesel Fuel ¹	0	0	0	—	60	0
Other Renewable Fuels	—	—	—	—	—	—
Finished Motor Gasoline	0	0	—	56	307	—
Reformulated	—	—	—	—	—	—
Reformulated Blended with Fuel Ethanol	—	—	—	—	—	—
Reformulated Other	—	—	—	—	—	—
Conventional	0	0	—	56	307	—
Conventional Blended with Fuel Ethanol	—	—	—	—	—	—
Ed55 and Lower	—	—	—	—	—	—
Greater than Ed55	—	—	—	—	—	—
Conventional Other	0	0	—	56	307	—
Finished Aviation Gasoline	0	0	—	0	0	—
Kerosene-Type Jet Fuel	115	0	—	0	0	—
Kerosene	—	—	—	—	—	—
Distillate Fuel Oil	72	0	—	162	11	—
15 ppm sulfur and under	72	0	—	162	11	—
Greater than 15 ppm to 500 ppm sulfur	—	—	—	—	—	—
Greater than 500 ppm sulfur	—	—	—	—	—	—
Residual Fuel Oil	0	0	—	0	497	—
Less than 0.31 percent sulfur	—	—	—	—	—	—
0.31 to 1.00 percent sulfur	0	0	—	0	289	—
Greater than 1.00 percent sulfur	0	0	—	0	208	—
Petrochemical Feedstocks	0	0	162	0	72	0
Naphtha for Petrochemical Feedstock Use	0	0	162	0	49	0
Other Oils for Petrochemical Feedstock Use	0	0	—	—	23	—
Special Naphthas	0	0	—	—	0	—
Lubricants	0	0	—	0	0	—
Waxes	—	—	—	—	—	—
Marketable Petroleum Coke	—	—	—	—	—	—
Asphalt and Road Oil	0	0	—	38	37	—
Miscellaneous Products	0	0	—	—	0	—
Total	621	0	306	1,115	3,174	0

See footnotes at end of table.

Table 59. Movements of Crude Oil and Petroleum Products by Tanker and Barge Between PAD Districts, December 2020
(Thousand Barrels) — Continued

Commodity	From 3 to						From 5 to		
	1	New England	Central Atlantic	Lower Atlantic	2	5	1	2	3
Crude Oil	1,780	—	1,780	—	0	321	0	0	0
Petroleum Products	24,421	—	871	23,550	948	315	0	0	0
Natural Gas Liquids	46	—	—	46	—	—	0	—	0
Ethane	—	—	—	—	—	—	—	—	—
Propane	46	—	—	46	—	—	0	—	0
Normal Butane	—	—	—	—	—	—	—	—	—
Isobutane	—	—	—	—	—	—	—	—	—
Natural Gasoline	—	—	—	—	—	—	—	—	—
Unfinished Oils	0	—	—	—	0	—	0	0	0
Motor Gasoline Blending Components	13,892	—	—	13,892	0	0	0	0	0
Reformulated - RBOB	—	—	—	—	—	—	—	—	—
Conventional	13,892	—	—	13,892	0	0	0	0	0
CBOB	13,892	—	—	13,892	0	—	0	0	0
GTAB	0	—	—	—	—	0	0	—	—
Other	0	—	—	—	0	0	0	0	0
Renewable Fuels	337	—	—	337	0	315	0	0	0
Fuel Ethanol	337	—	—	337	0	—	0	0	0
Renewable Diesel Fuel ¹	—	—	—	—	0	315	—	0	0
Other Renewable Fuels	—	—	—	—	—	—	—	—	—
Finished Motor Gasoline	1,897	—	—	1,897	0	—	0	0	0
Reformulated	—	—	—	—	—	—	—	—	—
Reformulated Blended with Fuel Ethanol	—	—	—	—	—	—	—	—	—
Reformulated Other	—	—	—	—	—	—	—	—	—
Conventional	1,897	—	—	1,897	0	—	0	0	0
Conventional Blended with Fuel Ethanol	—	—	—	—	—	—	—	—	—
Ed55 and Lower	—	—	—	—	—	—	—	—	—
Greater than Ed55	—	—	—	—	—	—	—	—	—
Conventional Other	1,897	—	—	1,897	0	—	0	0	0
Finished Aviation Gasoline	101	—	25	76	4	—	0	0	0
Kerosene-Type Jet Fuel	2,867	—	—	2,867	404	—	0	0	0
Kerosene	—	—	—	—	—	—	—	—	—
Distillate Fuel Oil	3,885	—	—	3,885	211	—	0	0	0
15 ppm sulfur and under	3,885	—	—	3,885	211	—	0	0	0
Greater than 15 ppm to 500 ppm sulfur	—	—	—	—	—	—	—	—	—
Greater than 500 ppm sulfur	—	—	—	—	—	—	—	—	—
Residual Fuel Oil	365	—	295	70	0	—	0	0	0
Less than 0.31 percent sulfur	—	—	—	—	—	—	—	—	—
0.31 to 1.00 percent sulfur	295	—	295	—	0	—	0	0	0
Greater than 1.00 percent sulfur	70	—	—	70	0	—	0	0	0
Petrochemical Feedstocks	154	—	154	—	0	0	0	0	0
Naphtha for Petrochemical Feedstock Use	154	—	154	—	0	0	0	0	0
Other Oils for Petrochemical Feedstock Use	—	—	—	—	0	—	—	0	0
Special Naphthas	—	—	—	—	15	—	—	0	0
Lubricants	616	—	397	219	266	—	0	0	0
Waxes	—	—	—	—	—	—	—	—	—
Marketable Petroleum Coke	—	—	—	—	—	—	—	—	—
Asphalt and Road Oil	261	—	—	261	35	—	0	0	0
Miscellaneous Products	—	—	—	—	13	—	—	0	0
Total	26,201	—	2,651	23,550	948	636	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, December 2020
(Thousand Barrels)

Commodity	From 1 to				From 2 to			
	2	3	4	5	1	3	4	5
Crude Oil	0	0	-	0	1,575	27	-	4,049
Propane	0	0	0	0	1,080	778	0	269
Propylene	0	0	-	-	296	642	-	-
Normal Butane	64	21	0	0	461	86	0	633
Isobutane	54	54	0	0	164	34	0	30
Fuel Ethanol	0	0	0	0	9,164	4,893	509	3,516
Biodiesel	0	0	0	0	538	372	43	546
Marketable Petroleum Coke	0	0	0	0	162	286	27	137
Asphalt and Road Oil	49	0	0	0	612	205	0	355

Commodity	From 3 to				From 4 to			
	1	2	4	5	1	2	3	5
Crude Oil	0	0	-	39	0	0	0	0
Propane	91	203	0	0	0	0	0	130
Propylene	0	0	-	-	0	0	0	-
Normal Butane	57	94	0	82	0	0	0	373
Isobutane	0	165	0	4	0	0	0	54
Fuel Ethanol	0	0	0	428	0	0	0	28
Biodiesel	0	0	0	20	0	0	0	0
Marketable Petroleum Coke	0	0	0	0	0	133	26	57
Asphalt and Road Oil	79	151	0	177	0	91	79	156

Commodity	From 5 to			
	1	2	3	4
Crude Oil	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	0	25	25	0
Asphalt and Road Oil	0	0	0	0

- = 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, December 2020
(Thousand Barrels)

PADD	Pipeline	Tanker and Barge	Rail	Total
From 1 to				
2	155	385	0	540
3	48	0	0	48
4	0	-	-	0
5	-	0	0	0
From 2 to				
1	253	349	1,575	2,177
3	54,319	875	27	55,221
4	5,862	-	-	5,862
5	-	0	4,049	4,049
From 3 to				
1	135	1,780	0	1,915
2	13,235	0	0	13,235
4	0	-	-	0
5	-	321	39	360
From 4 to				
1	0	0	0	0
2	23,417	0	0	23,417
3	267	0	0	267
5	-	0	0	0
From 5 to				
1	0	0	0	0
2	0	0	0	0
3	0	0	0	0
4	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, December 2020
(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	4,092	588	3,504	37,192	67,309	-30,117	55,536	15,510	40,026
Petroleum Products	118,458	16,761	101,697	47,440	80,156	-32,715	44,484	117,553	-73,069
Natural Gas Liquids	10,594	7,418	3,176	30,991	46,970	-15,979	33,122	10,979	22,143
Ethane	0	5,163	-5,163	9,470	13,289	-3,819	12,835	603	12,232
Propane	8,043	1,182	6,861	8,167	20,172	-12,005	11,834	3,437	8,397
Normal Butane	2,387	241	2,146	2,994	7,831	-4,837	3,807	423	3,384
Isobutane	164	481	-317	2,236	1,950	286	1,553	817	736
Natural Gasoline	0	351	-351	8,124	3,728	4,396	3,093	5,699	-2,606
Refinery Olefins	296	0	296	0	938	-938	642	0	642
Ethylene	0	0	-	-	-	-	0	0	-
Propylene	296	0	296	0	938	-938	642	0	642
Normal Butylene	0	0	-	0	0	-	0	0	-
Isobutylene	0	0	-	0	0	-	0	0	-
Unfinished Oils	0	21	-21	21	587	-566	587	0	587
Motor Gasoline Blending Components	55,209	5,798	49,411	8,538	4,474	4,064	1,830	60,688	-58,858
Reformulated - RBOB	7,805	0	7,805	903	15	888	15	10,860	-10,845
Conventional	47,404	5,798	41,606	7,635	4,459	3,176	1,815	49,828	-48,013
CBOB	46,694	5,654	41,040	7,635	4,223	3,412	1,579	49,118	-47,539
GTAB	0	69	-69	-	-	-	-	-	-
Other	710	75	635	0	236	-236	236	710	-474
Renewable Fuels	10,247	0	10,247	0	20,280	-20,280	5,755	1,100	4,655
Fuel Ethanol	9,710	0	9,710	0	18,721	-18,721	5,323	765	4,558
Renewable Diesel Fuel ²	538	0	538	0	1,559	-1,559	432	335	97
Other Renewable Fuels	-	-	-	-	-	-	0	0	-
Finished Motor Gasoline	5,138	63	5,075	706	1,459	-753	451	4,616	-4,165
Reformulated	0	0	-	0	0	-	0	0	-
Reformulated Blended with Fuel Ethanol	0	0	-	0	0	-	0	0	-
Reformulated Other	-	-	-	-	-	-	-	-	-
Conventional	5,138	63	5,075	706	1,459	-753	451	4,616	-4,165
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	5,138	63	5,075	706	1,459	-753	451	4,616	-4,165
Finished Aviation Gasoline	101	0	101	4	0	4	0	105	-105
Kerosene-Type Jet Fuel	9,850	369	9,481	1,589	514	1,075	0	11,114	-11,114
Kerosene	278	0	278	0	0	-	0	278	-278
Distillate Fuel Oil	24,457	2,881	21,576	4,814	2,505	2,309	871	26,541	-25,670
15 ppm sulfur and under	23,596	2,881	20,715	4,723	2,505	2,218	871	25,589	-24,718
Greater than 15 ppm to 500 ppm sulfur	0	0	-	91	0	91	0	91	-91
Greater than 500 ppm sulfur	861	0	861	0	0	-	0	861	-861
Residual Fuel Oil	365	0	365	0	497	-497	497	365	132
Petrochemical Feedstocks	154	162	-8	0	72	-72	72	154	-82
Naphtha for Petrochemical Feedstock Use	154	162	-8	0	49	-49	49	154	-105
Other Oils for Petrochemical Feedstock Use	0	0	-	0	23	-23	23	0	23
Special Naphthas	0	0	-	15	0	15	0	15	-15
Lubricants	616	0	616	266	0	266	0	882	-882
Waxes	0	0	-	0	0	-	0	0	-
Marketable Petroleum Coke	162	0	162	158	612	-454	337	0	337
Asphalt and Road Oil	991	49	942	326	1,248	-922	321	703	-382
Miscellaneous Products	0	0	-	13	0	13	0	13	-13
Total	122,550	17,349	105,201	84,632	147,464	-62,832	100,020	133,063	-33,043

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, December 2020
(Thousand Barrels) — Continued

Commodity	PAD District 4			PAD District 5		
	Receipts	Shipments	Net Receipts	Receipts	Shipments	Net Receipts
Crude Oil	5,862	23,684	-17,822	4,409	0	4,409
Petroleum Products	10,793	21,534	-10,741	14,878	50	14,828
Natural Gas Liquids	7,079	17,994	-10,915	1,575	0	1,575
Ethane	958	4,208	-3,250	0	0	—
Propane	3,226	6,878	-3,652	399	0	399
Normal Butane	1,343	3,124	-1,781	1,088	0	1,088
Isobutane	481	1,274	-793	88	0	88
Natural Gasoline	1,071	2,510	-1,439	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	1,596	1,186	410	4,973	0	4,973
Reformulated - RBOB	—	—	—	2,152	0	2,152
Conventional	1,596	1,186	410	2,821	0	2,821
CBOB	1,596	1,186	410	2,677	0	2,677
GTAB	—	—	—	69	0	69
Other	0	0	—	75	0	75
Renewable Fuels	552	28	525	4,853	0	4,853
Fuel Ethanol	509	28	482	3,972	0	3,972
Renewable Diesel Fuel ²	43	0	43	881	0	881
Other Renewable Fuels	0	0	—	0	0	—
Finished Motor Gasoline	278	881	-603	446	0	446
Reformulated	—	—	—	0	0	—
Reformulated Blended with Fuel Ethanol	—	—	—	0	0	—
Reformulated Other	—	—	—	—	—	—
Conventional	278	881	-603	446	0	446
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	278	881	-603	446	0	446
Finished Aviation Gasoline	0	0	—	0	0	—
Kerosene-Type Jet Fuel	439	27	412	146	0	146
Kerosene	0	0	—	0	0	—
Distillate Fuel Oil	822	877	-55	1,840	0	1,840
15 ppm sulfur and under	822	877	-55	1,840	0	1,840
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	—	—	—	162	0	162
Naphtha for Petrochemical Feedstock Use	—	—	—	162	0	162
Other Oils for Petrochemical Feedstock Use	—	—	—	—	—	—
Special Naphthas	—	—	—	0	0	—
Lubricants	0	0	—	0	0	—
Waxes	0	0	—	0	0	—
Marketable Petroleum Coke	27	216	-189	195	50	145
Asphalt and Road Oil	0	325	-325	688	0	688
Miscellaneous Products	0	0	—	0	0	—
Total	16,655	45,218	-28,563	19,286	50	19,236

— = 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.

Appendix A

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.

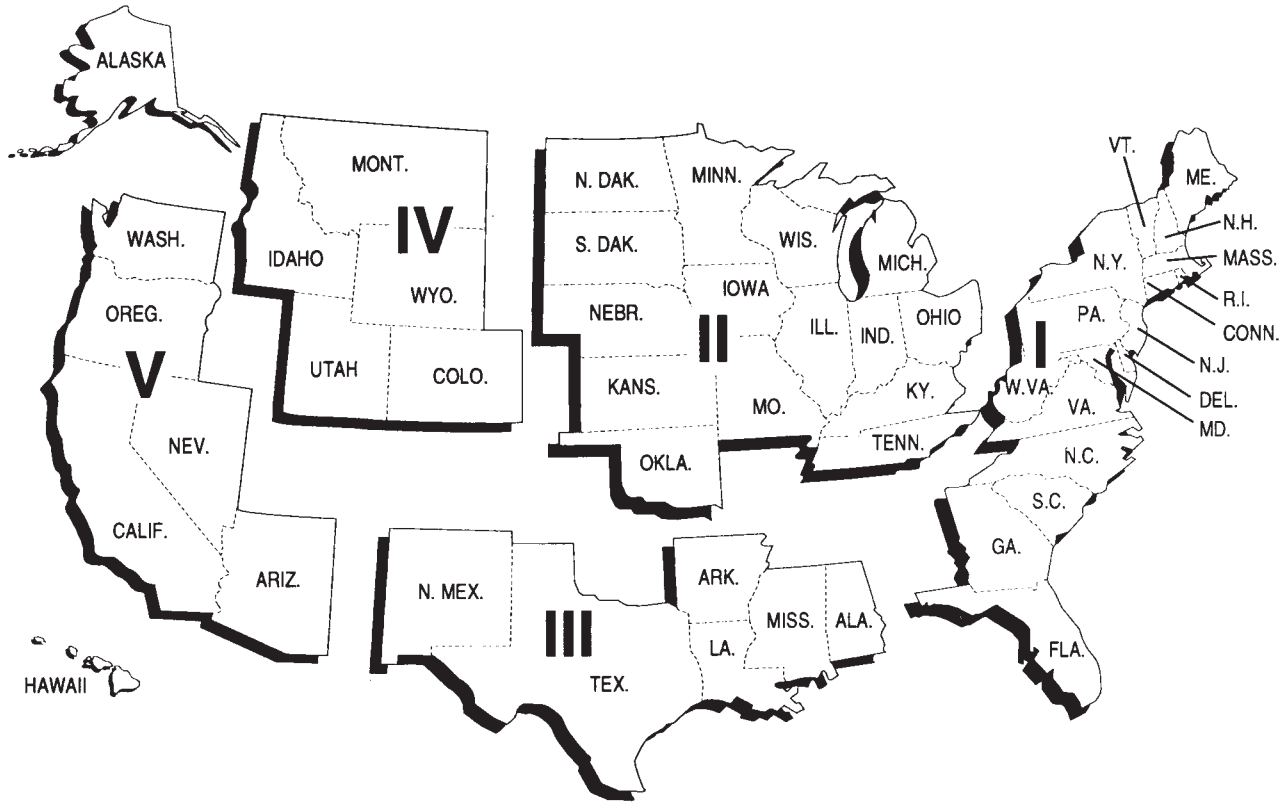
PAD District IV

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

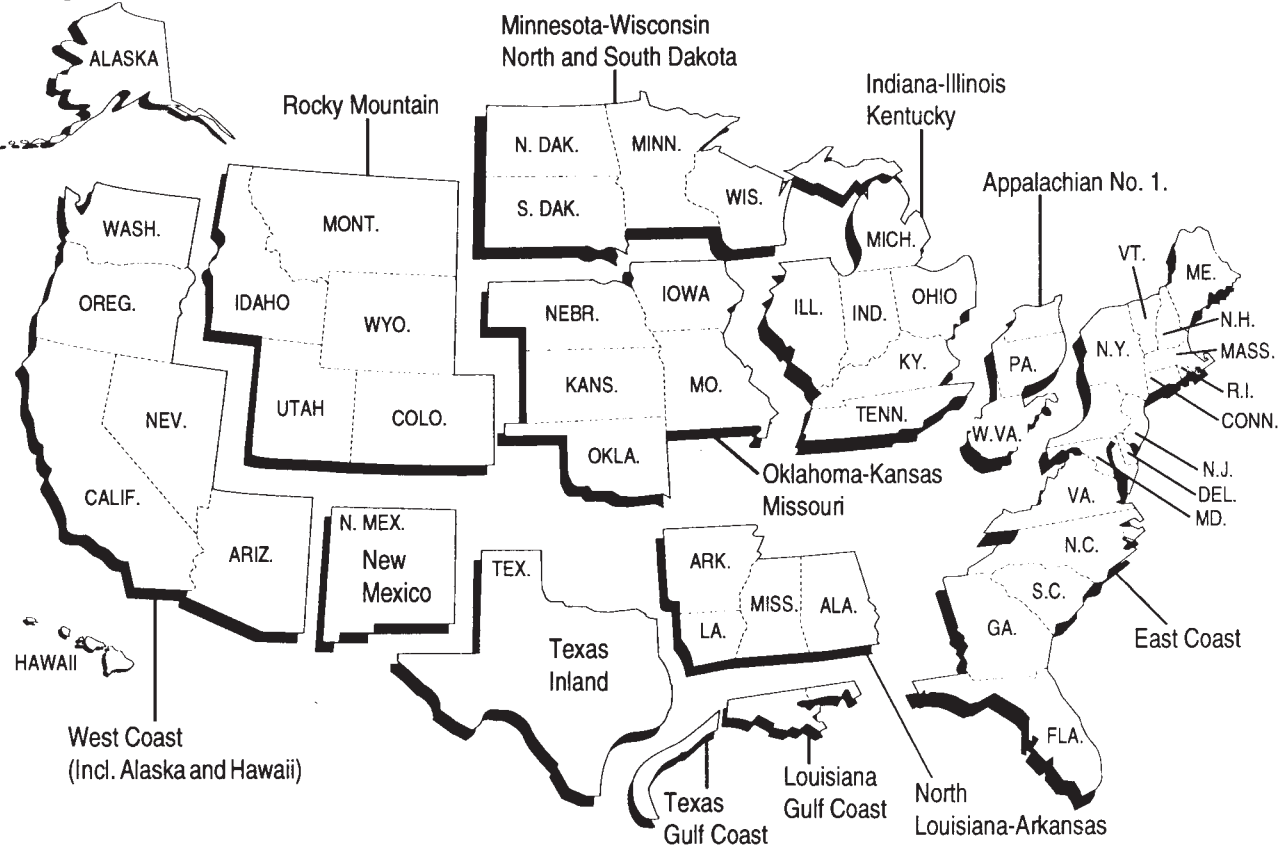
PAD District V

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 and Oxygenate Plant Net Production are reported on Forms EIA-819 and EIA-22M. Production includes fuel ethanol, Ethyl Tertiary Butyl Ether (ETBE), Methyl Tertiary Butyl Ether (MTBE), other fuel oxygenates, and biodiesel. This supply category also includes natural gasoline, finished motor gasoline, and motor gasoline blending components added to fuel ethanol as denaturants and blended at fuel ethanol 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. Beginning with PSA data for 2019, EIA excluded oxygenates supply and disposition from U.S. and regional balance tables.

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 calculated 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.

(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 equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, (plus net receipts on a PAD District basis), 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 PAD District basis, the figure for net receipts was inaccurate because the coverage of inter-PAD 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., streams returned to refineries from petrochemical plants.

Beginning with data for January 2010, EIA assumed product supplied for crude oil equal to zero. Prior to January 1983, crude oil burned on leases and by pipelines as fuel was reported as either distillate or residual fuel oil and was included in product supplied for these products. From January 1983 through December 2009, crude oil product supplied was equal to crude oil used directly as reported on Form EIA-813 “Monthly Crude Oil Report.” Reporting of crude oil used directly was discontinued on Form EIA-813 after December 2009.

(3.) Ending Stocks

Ending stocks are primary stocks of crude oil and petroleum products held in storage as of midnight on the last day of each month. Primary stocks include crude oil, hydrocarbon gas liquids, biofuels, and petroleum products held in storage at

refineries, natural gas processing plants, pipelines, tank farms, biofuel production plants, and bulk terminals.

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_mdbl_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_mdbl_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 nine 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,”
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 Oxygenate Report”
16. EIA-820, “Annual Refinery Report.”

Both weekly and monthly surveys are administered at six key points along the petroleum production and 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 renewable fuel (biodiesel and fuel ethanol) and oxygenate producing plants. Monthly surveys also include inter-PAD District movements by pipelines, tankers, and barges. Weekly surveys do not capture petroleum movements. Respondents reporting on weekly surveys are sampled from among the respondents reporting on monthly 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.

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 Oxygenate Report" collects facility-level data on oxygenate inputs, production, gasoline blending at ethanol plants, and end-of-month stocks. Data on end-of-month stocks are reported on a custody basis regardless of ownership.

(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.

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 Oxygenate Report” include all operators of facilities that produce (manufacture or distill) oxygenates (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

Monthly data are compared to weekly data on a regular basis. Discrepancies between weekly and monthly data are documented and respondents are called when discrepancies are either large (usually over 300 thousand barrels) or consistent (e.g., weekly data are always lower than monthly data). In addition, a comparison of the data collected on the PSRS with other similar data series from sources outside of the EIA is performed on an ongoing basis. Results of selected data comparisons are published once a year in the feature article, “Comparison of Independent Statistics on Petroleum Supply.” Additional comparisons are made between survey data and model results. Data reported in the Petroleum Supply Monthly and Petroleum Supply Annual are routinely imputed to correct for cases where comparison with other data suggests errors in survey data.

(7.) Dissemination

The PSM data are normally released 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/>) 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 data 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

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 PAD District depends 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.

- ◦ 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 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. 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, renewable fuels except fuel ethanol adjustment quantities at the U.S. and PAD District levels were calculated as 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-PAD District 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, 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” no longer includes production of biodiesel. This change will also be made to revised monthly data for January-December 2011 when the 2011 Petroleum Supply Annual is released.

- 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 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. 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.

(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.

Beginning with PSM data for January 2012, distillate fuel oil adjustments equal the opposite of biodiesel adjustments described above in section 7. Biodiesel adjustments are added to distillate fuel oil (15 ppm sulfur and under) and total distillate fuel oil. Distillate fuel oil adjustment quantities are assumed to reflect biodiesel blending activity implied by biodiesel supply and disposition but not reported on surveys. Distillate fuel oil adjustments for biodiesel will also be added to revised data for January-December 2011 when the 2011 Petroleum Supply Annual is released

(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/>). 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.

Appendix D

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	400

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	200
Buckeye Terminals LLC	Port Reading, NJ	0
Buckeye Terminals LLC	Raritan Bay, NJ	500
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	86
Fuel Ethanol	NY	10
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 August 2020)

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, reformate, 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 (C₄H₁₀). 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 (C₄H₁₀). 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 (C₄H₁₀). 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 (C₄H₈). 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 (C₄H₁₀). 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 (C₄H₈). An olefinic hydrocarbon recovered from refinery processes or petrochemical processes.

Isohexane (C₆H₁₄). 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 (C₄), an alkylation process feedstock, and normal pentane and hexane into isopentane (C₅) and isohexane (C₆), 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 (CH₃OH). 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) (CH₃)₃COCH₃. 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, (C₅H₁₂), 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. An intergovernmental organization whose stated objective is to coordinate and unify petroleum policies of member countries. It was created at the Baghdad Conference on September 10–14, 1960. Current and former members (with years of membership) include Algeria (1969-present), Angola (2007-present), Congo (Brazzaville) (June 2018-present), Ecuador (1973-1992 and 2007-2019), Equatorial Guinea (2017-present), Gabon (1975-1994 and July, 2016-present), Indonesia (1962-2008 and January, 2016-November, 2016), Iran (1960-present), Iraq (1960-present), Kuwait (1960-present), Libya (1962-present), Nigeria (1971-present), Qatar (1961-2018), Saudi Arabia (1960-present), United Arab Emirates (1967-present), and

Venezuela (1960-present).

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 (C₃H₈). 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 (C₃H₆). An olefinic hydrocarbon recovered from refinery processes or petrochemical processes.

Propylene (C₃H₆) (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.