

# Petroleum Supply Monthly

## February 2002

With Data for December 2001

**Energy Information Administration**  
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# Data Available Electronically

Data from the *Weekly Petroleum Status Report*, *Petroleum Supply Monthly*, and the *Petroleum Supply Annual* publications as well as data from other sources are available electronically on the Energy Information Administration's World Wide Web Site, and the Comprehensive Oil and Gas Information Source (COGIS). The schedule for data release is as follows:

Publications/Sources	Information
<b>Weekly Petroleum Status Report</b>	
Wednesday 9:00 a.m. (weekly)	Table 1 (U.S. Balance Sheet) and Data Log (Table 14 plus 4-week averages)
Wednesday 5:00 p.m. 6th-12th (monthly)	Table H1 (Petroleum Supply Summary)
<b>Winter Fuels Report</b> (October through March)	
Wednesday 5:00 p.m. (weekly)	All tables and highlights
<b>Propane Data</b> (April through September)	
Second Wednesday of the month (9:00 a.m.)	Propane Stocks
<b>Petroleum Supply Monthly</b>	
23rd-26th (monthly)	Table H1 (Petroleum Supply Summary) and all Summary Statistics and Detailed Statistics Tables
<b>Petroleum Supply Annual</b>	
<b>Oxygenate Data</b>	
15 working days after the report month	Table D1 U.S. Summary Table D2 (Fuel Ethanol Production/Stocks) Table D3 (MTBE Production/Stocks) and Table D4 (MTBE Merchant and Captive)
<b>Imports Data</b>	
7th-10th (preliminary)	Import data by company from the Form EIA-814, "Monthly Imports Report"
23rd-26th (final)	

# Preface

The *Petroleum Supply Monthly* (PSM) is one of a family of four petroleum supply publications produced by the Petroleum Division within the Energy Information Administration (EIA) reflecting different levels of data timeliness and completeness. The other publications are the *Weekly Petroleum Status Report* (WPSR), the *Winter Fuels Report*, and the *Petroleum Supply Annual* (PSA).

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, operators of natural gas processing plants and fractionators, inter-PAD transporters, importers, and major inventory holders of petroleum products and crude oil. When aggregated, the data reported by these sectors approximately represent the consumption of petroleum products in the United States.

Data presented in the *PSM* are divided into two sections: Summary Statistics and Detailed Statistics.

## Summary Statistics

The tables and figures in the Summary Statistics section of the *PSM* present a time series of selected petroleum data on a U.S. level. Most time series include preliminary estimates for one month based on the Weekly Petroleum Supply Reporting System; statistics based on the most recent data from the Monthly Petroleum Supply Reporting System (MPSRS); and statistics published in prior issues of the *PSM* and *PSA*.

## Detailed Statistics

The Detailed Statistics tables of the *PSM* present 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 level, 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.

## Appendices

Four appendices are provided to assist in understanding and interpreting the data presented in this publication:

- Appendix A (District Descriptions and Maps) -Geographic aggregations of the 50 States and the District of Columbia into Refining Districts which make up the PAD Districts.
- Appendix B (Detailed Statistics Explanatory Notes) - Information describing data collection, sources, estimation methodology, data quality control procedures, modifications to reporting requirements and interpretation of tables.
- Appendix C (Impact of Resubmissions or Major Series) - Information on revisions to published statistics caused by resubmission of respondent survey forms.
- Appendix D (EIA-819M, Monthly Oxygenate Telephone Report) -Preliminary information on production and stocks of fuel ethanol and methyl tertiary butyl ether (MTBE) by PAD District. Data are collected from a sample of respondents reporting on the MPSRS surveys. Data are also published in the *WPSR* and are available electronically approximately 15 working days after the end of the month.
- Appendix E (Northeast Heating Oil Reserve) -Contains volumes of heating oil held in terminals by the government as a reserve to reduce the risks of home heating oil shortages.

Industry terminology and product definitions are listed alphabetically in the Glossary. Final statistics for the data series published in the *PSM*, as well as additional data from the biennial refinery and oxygenate capacity surveys are published in the *PSA*. The *PSA* is published approximately five months after the end of the report year.

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# January 2002 Highlights

These data are compiled by aggregating weekly estimates, previously published in the *Weekly Petroleum Status Report*, and interpolating for a monthly-from-weekly value.

- Total petroleum demand averaged 19.2 million barrels per day, down 0.7 million barrels per day from a year ago. High natural gas prices, which encouraged fuel switching, and cold weather, added to last year's higher level. This January, neither of these occurred.
- Domestic production of crude oil reached its highest average for the month since 1999 at 5.9 million barrels per day. Production from Alaska accounted for 1.0 million barrels per day. Imports of crude oil averaged 8.7 million barrels per day. Excluding the Strategic Petroleum Reserve stocks, crude inventories reached their highest level for the month since 1999 at 319 million barrels. Refinery inputs of crude oil averaged 14.5 million barrels per day, down 291 thousand barrels per day compared to a year ago.
- Demand for finished motor gasoline remains strong, setting a record high for January at an average of 8.2 million barrels per day. Production of finished motor gasoline also set a record high for the month at 8.1 million barrels per day. Imports of finished motor gasoline were strong as well, averaging 431 thousand barrels per day. Finished motor gasoline stocks rose 7.2 million barrels to end the month at 166 million barrels.
- Considerably warmer temperatures across the U.S. continued to depress demand for heating fuels. Distillate fuel oil demand averaged 3.8 million barrels per day and production averaged 3.5 million barrels per day, both were down compared to last January. Imports averaged 261 thousand barrels per day. Although distillate fuel oil stocks fell 3.0 million barrels by month's end, they remain well within their seasonal range at 137 million barrels.
- Demand for jet fuel remains depressed at an average of 1.6 million barrels per day, the lowest average for the month since 1998. Production of jet fuel averaged 1.5 million barrels per day, the lowest average for the month since 1995. Total jet fuel imports averaged 110 thousand barrels per day. Stocks ended the month at 40 million barrels.
- Demand for residual fuel oil averaged 0.8 million barrels per day and production averaged 0.6 million barrels per day, both were down compared to a year ago. High natural gas prices last year encouraged fuel switching out of natural gas and into residual fuel oil. With natural gas prices much lower this year, the fuel switching that occurred last year is less likely. Stocks of residual fuel ended the month totaling 41 million barrels.

**Table H1. Petroleum Supply Summary**  
(Million Barrels per Day, Except Where Noted)

Category	2002	2001	Difference <sup>a</sup>	2001
	Estimated January	December		January
<b>Products Supplied</b> .....	19.2	19.1	0.1	19.9
Finished Motor Gasoline.....	8.2	8.6	-0.4	8.1
Distillate Fuel Oil.....	3.8	3.6	0.1	4.3
Residual Fuel Oil.....	0.8	0.7	0.1	1.2
Jet Fuel.....	1.6	1.5	0.1	1.7
Other Petroleum Products <sup>b</sup> .....	4.9	4.6	0.2	4.7
<b>Crude Oil Inputs</b> .....	14.5	14.7	-0.2	14.8
<b>Operating Utilization Rate (%)</b> .....	89.2	91.6	-2.4	91.5
<b>Imports</b> .....	10.8	10.9	-0.1	12.1
<b>Crude Oil</b> .....	8.7	8.8	-0.1	8.8
Strategic Petroleum Reserve .....	(s)	(s)	(s)	(s)
Other .....	8.7	8.8	-0.1	8.8
<b>Products</b> .....	2.1	2.1	(s)	3.3
Finished Motor Gasoline .....	0.4	0.5	-0.1	0.5
Distillate Fuel Oil .....	0.3	0.2	(s)	0.8
Residual Fuel Oil.....	0.3	0.3	(s)	0.5
Jet Fuel .....	0.1	0.1	(s)	0.2
Other Petroleum Products <sup>c</sup> .....	1.0	1.0	(s)	1.3
<b>Exports</b> .....	0.9	1.1	-0.1	1.0
Crude Oil .....	(s)	(s)	(s)	(s)
Products .....	0.9	1.0	-0.2	0.9
<b>Total Net Imports</b> .....	9.9	9.9	(s)	11.2
<b>Stock Change<sup>d</sup></b> .....	0.3	(s)	0.3	0.2
Crude Oil .....	0.4	0.2	0.3	0.2
Products <sup>f</sup> .....	-0.1	-0.2	(s)	-0.1
<b>Total Stocks<sup>f</sup></b> .....	1,572	1,585	-14	1,477
<b>(million barrels)</b>				
<b>Crude Oil</b> .....	874	862	11	836
Strategic Petroleum Reserve <sup>e</sup> .....	554	550	4	542
Other.....	319	312	7	294
<b>Products</b> .....	698	723	-25	642
Finished Motor Gasoline.....	166	161	5	159
Distillate Fuel Oil <sup>f</sup> .....	137	144	-6	118
Residual Fuel Oil .....	41	41	(s)	37
Jet Fuel.....	40	42	-1	44
Other Petroleum Products <sup>g</sup> .....	314	335	-22	283

<sup>a</sup> Difference is equal to volume for current month minus volume for previous month.

<sup>b</sup> Includes crude oil product supplied, natural gas liquids, liquefied refinery gases (LRG's), other liquids, and all finished petroleum products except finished motor gasoline, distillate fuel oil, residual fuel oil, and jet fuel.

<sup>c</sup> Includes natural gas liquids, liquefied refinery gases (LRG's), other liquids, and all finished petroleum products except motor gasoline, jet fuel, distillate fuel oil, and residual fuel oil.

<sup>d</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase.

<sup>e</sup> Crude oil stocks in the SPR include non-U.S. stocks held under foreign or commercial storage agreements.

<sup>f</sup> Distillate fuel oil stocks located in the "Northeast Heating Oil Reserve" are not included.

(s) = Less than 0.05 million barrels per day, or less than 0.05 percent, or less than 0.5 million barrels.

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

Source: Energy Information Administration (EIA), appropriate issues of the *Petroleum Supply Monthly* and the *Weekly Petroleum Status Report*.

Data for the current month are preliminary estimates, based on weekly submissions. For an explanation of estimation methodology and accuracy, see Appendix A of *Weekly Petroleum Status Report* and the article, "Accuracy of Petroleum Supply Data", published in the October 2001, *Petroleum Supply Monthly*.

**Table S1. Crude Oil and Petroleum Products Overview, 1986 - Present**  
(Thousand Barrels per Day, Except Where Noted)

Year/Month	Field Production			Stock Change <sup>a</sup>		Petroleum Products Supplied	Ending Stocks <sup>b</sup> (Million Barrels)
	Total Domestic <sup>c</sup>	Crude Oil	Natural Gas Plant Liquids	Crude Oil <sup>d</sup>	Petroleum Products		Crude Oil <sup>d</sup> and Petroleum Products
1986 Average	10,289	8,680	1,551	78	124	16,281	1,593
1987 Average	10,008	8,349	1,595	128	-87	16,665	1,607
1988 Average	9,818	8,140	1,625	1	-29	17,283	1,597
1989 Average	9,219	7,613	1,546	86	-129	17,325	1,581
1990 Average	8,994	7,355	1,559	-35	142	16,988	1,621
1991 Average	9,168	7,417	1,659	-42	32	16,714	1,617
1992 Average	8,996	7,171	1,697	-1	-68	17,033	<sup>9</sup> 1,592
1993 Average	8,836	6,847	1,736	81	<sup>9</sup> 70	17,237	1,647
1994 Average	8,645	6,662	1,727	18	-2	17,718	1,653
1995 Average	8,626	6,560	1,762	-93	-153	17,725	1,563
1996 Average	8,607	6,465	1,830	-124	-28	18,309	1,507
1997 Average	8,611	6,452	1,817	51	93	18,620	1,560
1998 Average	8,392	6,252	1,759	74	165	18,917	1,647
1999 January	8,001	5,963	1,656	297	-454	19,029	1,642
February	8,068	5,966	1,722	50	-291	19,107	1,635
March	8,023	5,883	1,787	367	-859	19,497	1,620
April	8,015	5,887	1,806	-301	433	19,152	1,624
May	8,091	5,875	1,790	182	897	18,705	1,658
June	7,997	5,760	1,874	-235	-273	19,836	1,642
July	8,013	5,798	1,902	34	10	19,820	1,644
August	8,069	5,780	1,874	-566	-145	20,093	1,622
September	8,127	5,804	1,917	-368	142	19,483	1,615
October	8,283	5,947	1,953	-85	-875	19,868	1,585
November	8,275	5,960	1,949	-297	-188	19,087	1,571
December	8,320	5,959	1,957	-507	-1,995	20,498	1,493
Average	8,107	5,881	1,850	-118	-304	19,519	—
2000 January	8,096	5,784	1,956	21	-520	19,026	1,477
February	8,227	5,852	1,987	98	-486	19,635	1,466
March	8,256	5,918	1,987	364	-38	19,218	1,476
April	8,232	5,854	1,968	225	746	18,816	1,505
May	8,196	5,847	1,943	-294	691	19,605	1,518
June	8,106	5,823	1,922	-154	427	20,054	1,526
July	8,073	5,739	1,934	-225	666	19,696	1,540
August	8,087	5,789	1,941	197	-450	20,496	1,532
September	8,066	5,758	1,923	-347	184	19,899	1,527
October	8,151	5,809	1,919	-189	-464	19,798	1,507
November	8,089	5,833	1,876	-281	240	19,328	1,505
December	7,750	5,855	1,583	-250	-971	20,814	1,468
Average	8,110	5,822	1,911	-70	(s)	19,701	—
2001 January	<sup>E</sup> 7,552	<sup>E</sup> 5,836	1,381	211	-52	19,900	1,477
February	<sup>E</sup> 7,951	<sup>E</sup> 5,840	1,728	-492	254	19,597	1,471
March	<sup>E</sup> 8,102	<sup>E</sup> 5,878	1,830	795	-581	19,892	1,477
April	<sup>E</sup> 8,042	<sup>E</sup> 5,854	1,836	700	619	19,591	1,517
May	<sup>E</sup> 8,171	<sup>E</sup> 5,859	1,921	37	1,116	19,491	1,553
June	<sup>E</sup> 8,095	<sup>E</sup> 5,799	1,910	-668	859	19,608	1,559
July	<sup>E</sup> 8,108	<sup>E</sup> 5,806	1,892	189	11	19,884	1,565
August	<sup>E</sup> 8,137	<sup>E</sup> 5,823	1,946	-165	-463	20,085	1,545
September	<sup>E</sup> 8,270	<sup>E</sup> 5,829	2,027	73	916	19,082	1,575
October	<sup>E</sup> 8,224	<sup>E</sup> 5,812	2,016	158	-135	19,651	1,576
November	<sup>E</sup> 8,340	<sup>E</sup> 5,946	1,994	11	322	19,252	1,586
December	<sup>RE</sup> 8,180	<sup>RE</sup> 5,948	<sup>R</sup> 1,880	<sup>R</sup> 163	<sup>R</sup> -169	<sup>R</sup> 19,062	<sup>R</sup> 1,585
Average	<sup>RE</sup> 8,098	<sup>RE</sup> 5,853	<sup>R</sup> 1,864	<sup>R</sup> 90	<sup>R</sup> 220	<sup>R</sup> 19,593	—
2002 January*	<sup>E</sup> 8,323	<sup>PE</sup> 5,915	<sup>E</sup> 2,010	<sup>E</sup> 427	<sup>E</sup> -135	<sup>E</sup> 19,171	<sup>E</sup> 1,572

<sup>a</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase. Distillate stocks located in the "Northeast Heating Oil Reserve" are not included. For details see Appendix E.

<sup>b</sup> Stocks are totals as of end of period. Distillate stocks located in the "Northeast Heating Oil Reserve" are not included. For details see Appendix E.

<sup>c</sup> Includes crude oil, natural gas plant liquids, and other liquids. Beginning in 1993, fuel ethanol blended into finished motor gasoline and oxygenate production from merchant MTBE plants are also included.

<sup>d</sup> Includes stocks located in the Strategic Petroleum Reserve.

<sup>e</sup> Includes crude oil for storage in the Strategic Petroleum Reserve.

<sup>f</sup> Net Imports equal Imports minus Exports.

<sup>9</sup> In January 1993, bulk terminal, pipeline, and merchant-producer stocks of oxygenates were added to surveys affecting stock levels and stock change calculations. See Summary Statistics Explanatory Note 4.

Footnotes continued on following page.

**Table S1. Crude Oil and Petroleum Products Overview, 1986 - Present (Continued)**  
(Thousand Barrels per Day, Except Where Noted)

Year/Month	Imports			Exports			Net Imports <sup>f</sup>
	Total	Crude Oil <sup>e</sup>	Petroleum Products	Total	Crude Oil	Petroleum Products	
1986 Average .....	6,224	4,178	2,045	785	154	631	5,439
1987 Average .....	6,678	4,674	2,004	764	151	613	5,914
1988 Average .....	7,402	5,107	2,295	815	155	661	6,587
1989 Average .....	8,061	5,843	2,217	859	142	717	7,202
1990 Average .....	8,018	5,894	2,123	857	109	748	7,161
1991 Average .....	7,627	5,782	1,844	1,001	116	885	6,626
1992 Average .....	7,888	6,083	1,805	950	89	861	6,938
1993 Average .....	8,620	6,787	1,833	1,003	98	904	7,618
1994 Average .....	8,996	7,063	1,933	942	99	843	8,054
1995 Average .....	8,835	7,230	1,605	949	95	855	7,886
1996 Average .....	9,478	7,508	1,971	981	110	871	8,498
1997 Average .....	10,162	8,225	1,936	1,003	108	896	9,158
1998 Average .....	10,708	8,706	2,002	945	110	835	9,764
1999 January .....	10,424	8,393	2,031	896	107	788	9,529
February .....	10,650	8,468	2,182	756	119	636	9,894
March .....	10,658	8,739	1,919	764	95	669	9,894
April .....	11,618	9,256	2,362	1,196	332	864	10,422
May .....	11,511	9,098	2,412	915	88	826	10,596
June .....	11,160	8,888	2,272	907	123	784	10,253
July .....	11,697	9,391	2,306	918	120	798	10,779
August .....	11,142	8,908	2,234	902	132	769	10,240
September .....	10,657	8,527	2,130	889	27	862	9,768
October .....	10,595	8,613	1,983	944	56	888	9,651
November .....	10,033	8,224	1,809	950	83	866	9,083
December .....	10,065	8,234	1,830	1,230	133	1,096	8,835
Average .....	10,852	8,731	2,122	940	118	822	9,912
2000 January .....	10,140	7,829	2,311	1,006	176	830	9,134
February .....	11,003	8,318	2,684	870	30	840	10,133
March .....	11,052	8,790	2,261	1,159	144	1,015	9,893
April .....	11,558	9,341	2,217	1,131	124	1,007	10,427
May .....	11,415	9,085	2,331	856	34	822	10,559
June .....	12,032	9,533	2,499	925	9	915	11,107
July .....	11,588	9,398	2,190	900	15	885	10,688
August .....	12,173	9,939	2,234	1,073	17	1,056	11,099
September .....	11,900	9,484	2,416	1,059	23	1,036	10,841
October .....	11,290	8,969	2,321	1,292	9	1,283	9,998
November .....	11,309	8,913	2,396	1,108	2	1,106	10,201
December .....	12,053	9,229	2,824	1,095	16	1,079	10,958
Average .....	11,459	9,071	2,389	1,040	50	990	10,419
2001 January .....	12,118	8,791	3,327	965	18	947	11,154
February .....	11,462	8,484	2,978	1,015	24	991	10,447
March .....	11,942	9,477	2,465	947	37	910	10,996
April .....	12,311	9,821	2,491	950	5	945	11,361
May .....	12,243	9,655	2,588	1,114	95	1,018	11,130
June .....	11,499	8,901	2,598	998	15	983	10,501
July .....	11,576	9,406	2,170	886	13	873	10,690
August.....	11,318	9,092	2,225	1,084	28	1,056	10,234
September .....	11,498	9,054	2,444	838	8	830	10,659
October .....	11,149	9,077	2,073	958	11	947	10,191
November .....	11,384	9,165	2,219	973	9	965	10,410
December .....	R 10,918	R 8,779	R 2,139	R 1,051	R 12	R 1,039	R 9,867
Average .....	R 11,619	R 9,146	R 2,473	R 982	R 23	R 959	R 10,637
2002 January* .....	E 10,820	E 8,716	E 2,103	E 908	E 34	E 874	E 9,912

Footnotes continued.

R = Revised data. E = Estimated. PE = Preliminary estimate. RE = Revised estimate.

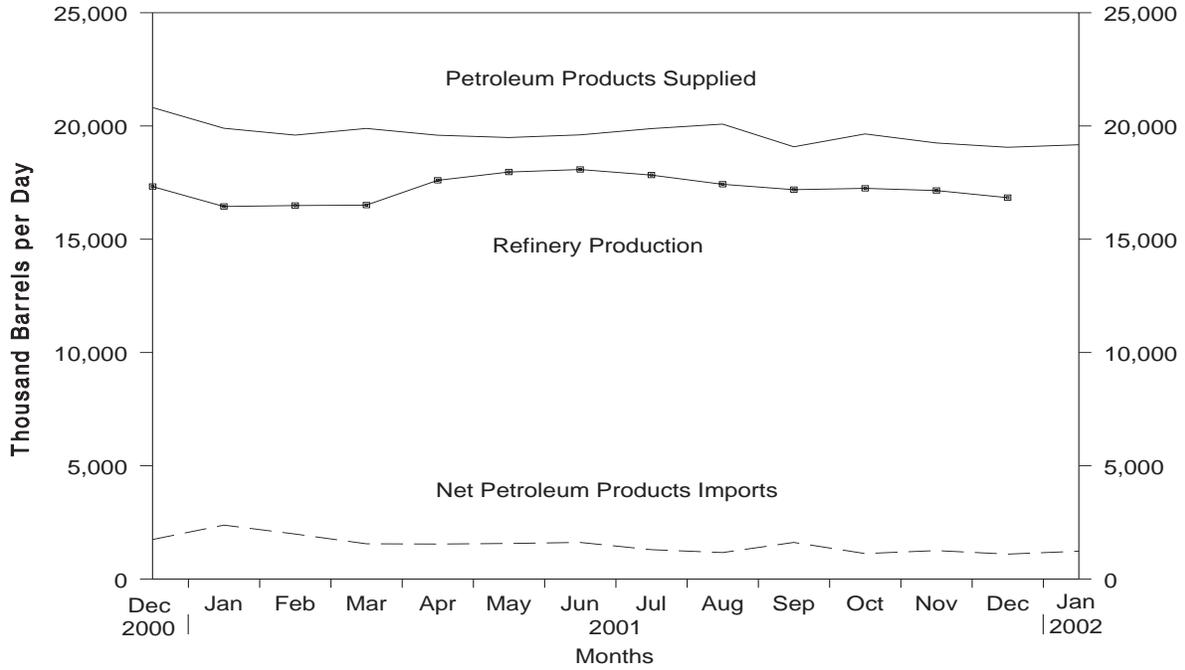
— = Not Applicable.

\* See Summary Statistics Explanatory Note 1.

Notes: • Crude oil includes lease condensate. • Italics denote estimates based upon preliminary data. • Geographic coverage is the 50 States and the District of Columbia. • Totals may not equal sum of components due to independent rounding.

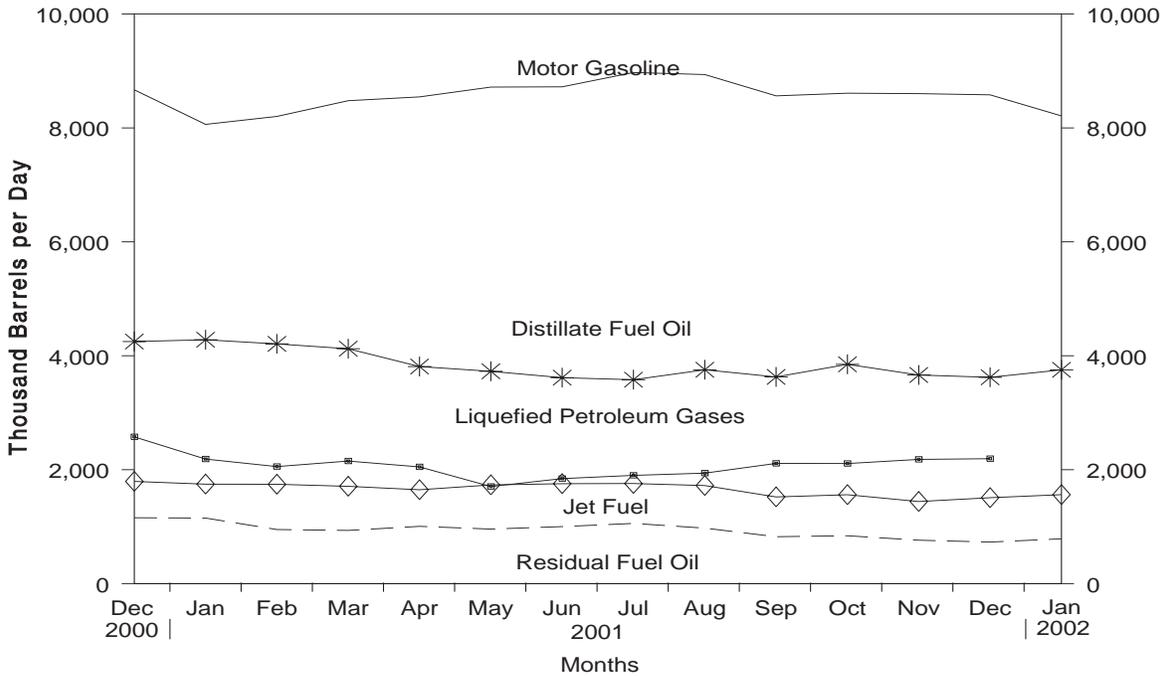
Source: See Summary Statistics Table and Figure Sources.

**Figure S1. Petroleum Overview, December 2000 - Present**



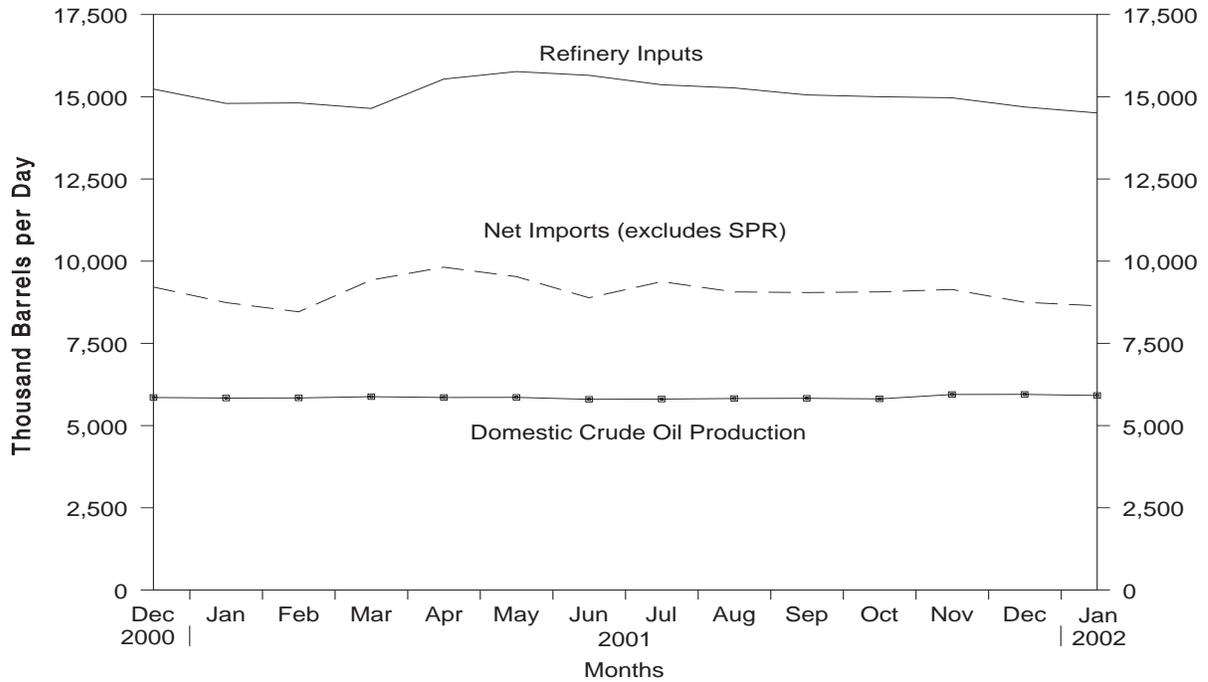
Source: Energy Information Administration, *Petroleum Supply Monthly*, Table S1. See Summary Statistics Table and Figure Sources.

**Figure S2. Petroleum Products Supplied, December 2000 - Present**



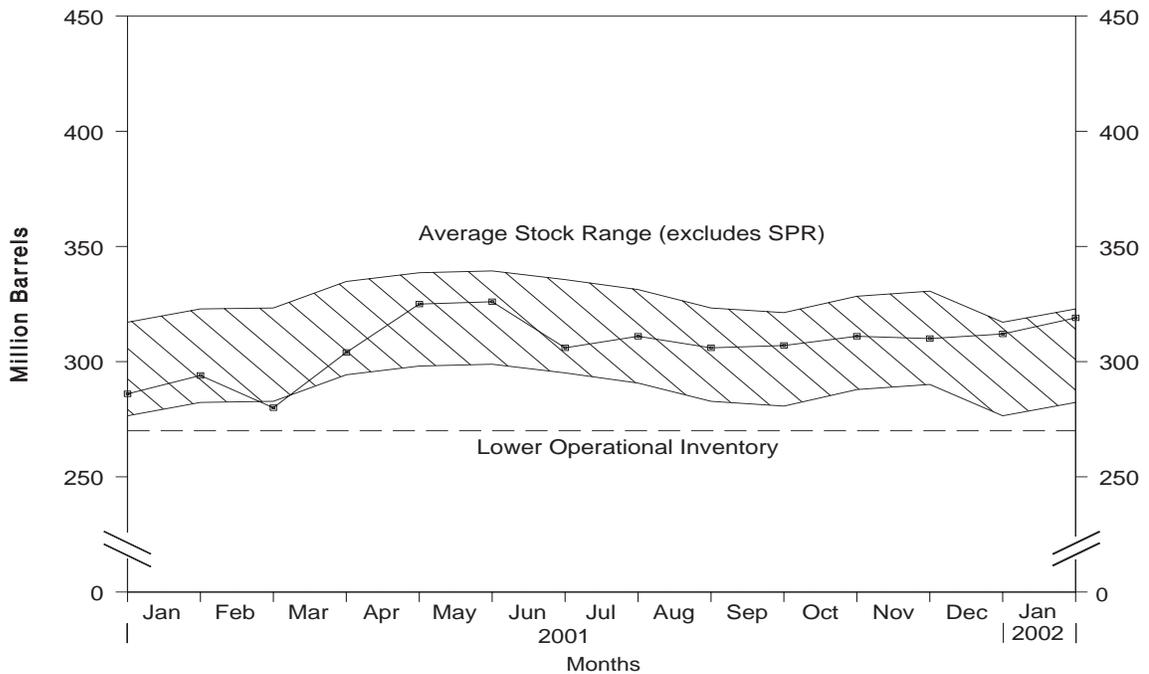
Source: Energy Information Administration, *Petroleum Supply Monthly*, Tables S4-S7, and S9. See Summary Statistics Table and Figure Sources.

**Figure S3. Crude Oil Supply and Disposition, December 2000 - Present**



Source: Energy Information Administration, *Petroleum Supply Monthly*, Table S2. See Summary Statistics Table and Figure Sources.

**Figure S4. Crude Oil Ending Stocks,<sup>1</sup> December 2000 - Present**



<sup>1</sup>Excludes stocks held in the Strategic Petroleum Reserve (SPR).

Note: The Lower Operational Inventory for crude oil stocks is 270.0 million barrels.

Source: Energy Information Administration, *Petroleum Supply Monthly*, Table S2. See Summary Statistics Table and Figure Sources.

**Table S2. Crude Oil Supply and Disposition, 1986 - Present**  
(Thousand Barrels per Day, Except Where Noted)

Year/Month	Supply						Disposition	
	Field Production		Imports			Unaccounted for Crude Oil <sup>a</sup>	Crude Losses	
	Total Domestic	Alaskan	Total	SPR	Other			
<b>1986</b> Average .....	<b>8,680</b>	<b>1,867</b>	<b>4,178</b>	<b>48</b>	<b>4,130</b>	<b>139</b>	<b>(s)</b>	
<b>1987</b> Average .....	<b>8,349</b>	<b>1,962</b>	<b>4,674</b>	<b>73</b>	<b>4,601</b>	<b>145</b>	<b>(s)</b>	
<b>1988</b> Average .....	<b>8,140</b>	<b>2,017</b>	<b>5,107</b>	<b>51</b>	<b>5,055</b>	<b>196</b>	<b>(s)</b>	
<b>1989</b> Average .....	<b>7,613</b>	<b>1,874</b>	<b>5,843</b>	<b>56</b>	<b>5,787</b>	<b>200</b>	<b>(s)</b>	
<b>1990</b> Average .....	<b>7,355</b>	<b>1,773</b>	<b>5,894</b>	<b>27</b>	<b>5,867</b>	<b>258</b>	<b>(s)</b>	
<b>1991</b> Average .....	<b>7,417</b>	<b>1,798</b>	<b>5,782</b>	<b>0</b>	<b>5,782</b>	<b>195</b>	<b>(s)</b>	
<b>1992</b> Average .....	<b>7,171</b>	<b>1,714</b>	<b>6,083</b>	<b>10</b>	<b>6,073</b>	<b>258</b>	<b>(s)</b>	
<b>1993</b> Average .....	<b>6,847</b>	<b>1,582</b>	<b>6,787</b>	<b>15</b>	<b>6,772</b>	<b>168</b>	<b>(s)</b>	
<b>1994</b> Average .....	<b>6,662</b>	<b>1,559</b>	<b>7,063</b>	<b>12</b>	<b>7,051</b>	<b>266</b>	<b>(s)</b>	
<b>1995</b> Average .....	<b>6,560</b>	<b>1,484</b>	<b>7,230</b>	<b>0</b>	<b>7,230</b>	<b>193</b>	<b>(s)</b>	
<b>1996</b> Average .....	<b>6,465</b>	<b>1,393</b>	<b>7,508</b>	<b>0</b>	<b>7,508</b>	<b>215</b>	<b>(s)</b>	
<b>1997</b> Average .....	<b>6,452</b>	<b>1,296</b>	<b>8,225</b>	<b>0</b>	<b>8,225</b>	<b>145</b>	<b>0</b>	
<b>1998</b> Average .....	<b>6,252</b>	<b>1,175</b>	<b>8,706</b>	<b>0</b>	<b>8,706</b>	<b>115</b>	<b>(s)</b>	
<b>1999</b> January .....	5,963	1,164	8,393	0	8,393	490	0	
February .....	5,966	1,104	8,468	0	8,468	45	(s)	
March .....	5,883	1,134	8,739	0	8,739	338	(s)	
April .....	5,887	1,056	9,256	0	9,256	-18	0	
May .....	5,875	1,088	9,098	0	9,098	270	0	
June .....	5,760	967	8,888	0	8,888	198	0	
July .....	5,798	990	9,391	0	9,391	202	0	
August .....	5,780	1,011	8,908	31	8,877	177	0	
September .....	5,804	933	8,527	17	8,509	436	0	
October .....	5,947	1,068	8,613	17	8,595	(s)	0	
November .....	5,960	1,023	8,224	17	8,207	306	0	
December .....	5,959	1,058	8,234	16	8,218	-156	0	
<b>Average</b> .....	<b>5,881</b>	<b>1,050</b>	<b>8,731</b>	<b>8</b>	<b>8,722</b>	<b>191</b>	<b>(s)</b>	
<b>2000</b> January .....	5,784	1,024	7,829	3	7,826	362	0	
February .....	5,852	1,031	8,318	17	8,301	-14	0	
March .....	5,918	1,013	8,790	0	8,790	412	0	
April .....	5,854	1,008	9,341	0	9,341	206	0	
May .....	5,847	966	9,085	0	9,085	303	0	
June .....	5,823	925	9,533	16	9,518	143	0	
July .....	5,739	913	9,398	15	9,383	471	0	
August .....	5,789	914	9,939	0	9,939	127	0	
September .....	5,758	892	9,484	0	9,484	-159	0	
October .....	5,809	966	8,969	32	8,938	70	0	
November .....	5,833	986	8,913	17	8,896	-1	0	
December .....	5,855	1,010	9,229	0	9,229	-86	0	
<b>Average</b> .....	<b>5,822</b>	<b>970</b>	<b>9,071</b>	<b>8</b>	<b>9,062</b>	<b>155</b>	<b>0</b>	
<b>2001</b> January .....	E 5,836	E 980	8,791	32	8,759	398	0	
February .....	E 5,840	E 977	8,484	0	8,484	22	0	
March .....	E 5,878	E 1,009	9,477	15	9,462	121	0	
April .....	E 5,854	E 986	9,821	0	9,821	566	0	
May .....	E 5,859	E 957	9,655	30	9,625	384	0	
June .....	E 5,799	E 935	8,901	0	8,901	298	0	
July .....	E 5,806	E 927	9,406	15	9,391	354	0	
August .....	E 5,823	E 963	9,092	0	9,092	214	0	
September .....	E 5,829	E 925	9,054	0	9,054	254	0	
October .....	E 5,812	E 895	9,077	0	9,077	282	0	
November .....	E 5,946	E 1,023	9,165	17	9,147	-123	0	
December .....	RE 5,948	RE 1,046	R 8,779	R 18	R 8,762	R 137	0	
<b>Average</b> .....	RE <b>5,853</b>	RE <b>968</b>	R <b>9,146</b>	R <b>11</b>	R <b>9,135</b>	R <b>244</b>	<b>0</b>	
<b>2002</b> January* .....	E 5,915	E 1,047	E 8,716	E 41	E 8,675	E 335	E 0	

<sup>a</sup> Unaccounted for crude oil represents the difference between the supply and disposition of crude oil. Preliminary estimates of crude oil imports at the National level have historically understated final values by approximately 50 thousand barrels per day. This causes the preliminary values of unaccounted for crude oil to overstate the final values by the same amount.

<sup>b</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase.

<sup>c</sup> Stocks are totals as of end of period.

<sup>d</sup> Crude oil stocks in the Strategic Petroleum Reserve include non-U.S. stocks held under foreign or commercial storage agreements.

Footnotes continued on following page.

**Table S2. Crude Oil Supply and Disposition, 1986 - Present (Continued)**  
**(Thousand Barrels per Day, Except Where Noted)**

Year/Month	Disposition					Ending Stocks <sup>c</sup> (Million Barrels)		
	Stock Change <sup>b</sup>		Refinery Inputs	Exports	Product Supplied	Total	SPR <sup>d</sup>	Other Primary
	SPR <sup>d</sup>	Other						
<b>1986</b> Average .....	<b>50</b>	<b>28</b>	<b>12,716</b>	<b>154</b>	<b>49</b>	<b>843</b>	<b>512</b>	<b>331</b>
<b>1987</b> Average .....	<b>80</b>	<b>49</b>	<b>12,854</b>	<b>151</b>	<b>34</b>	<b>890</b>	<b>541</b>	<b>349</b>
<b>1988</b> Average .....	<b>52</b>	<b>-51</b>	<b>13,246</b>	<b>155</b>	<b>40</b>	<b>890</b>	<b>560</b>	<b>330</b>
<b>1989</b> Average .....	<b>56</b>	<b>30</b>	<b>13,401</b>	<b>142</b>	<b>28</b>	<b>921</b>	<b>580</b>	<b>341</b>
<b>1990</b> Average .....	<b>16</b>	<b>-51</b>	<b>13,409</b>	<b>109</b>	<b>24</b>	<b>908</b>	<b>586</b>	<b>323</b>
<b>1991</b> Average .....	<b>-47</b>	<b>5</b>	<b>13,301</b>	<b>116</b>	<b>18</b>	<b>893</b>	<b>569</b>	<b>325</b>
<b>1992</b> Average .....	<b>17</b>	<b>-18</b>	<b>13,411</b>	<b>89</b>	<b>13</b>	<b>893</b>	<b>575</b>	<b>318</b>
<b>1993</b> Average .....	<b>34</b>	<b>47</b>	<b>13,613</b>	<b>98</b>	<b>10</b>	<b>922</b>	<b>587</b>	<b>335</b>
<b>1994</b> Average .....	<b>13</b>	<b>5</b>	<b>13,866</b>	<b>99</b>	<b>9</b>	<b>929</b>	<b>592</b>	<b>337</b>
<b>1995</b> Average .....	<b>(s)</b>	<b>-93</b>	<b>13,973</b>	<b>95</b>	<b>7</b>	<b>895</b>	<b>592</b>	<b>303</b>
<b>1996</b> Average .....	<b>-71</b>	<b>-53</b>	<b>14,195</b>	<b>110</b>	<b>6</b>	<b>850</b>	<b>566</b>	<b>284</b>
<b>1997</b> Average .....	<b>-7</b>	<b>57</b>	<b>14,662</b>	<b>108</b>	<b>2</b>	<b>868</b>	<b>563</b>	<b>305</b>
<b>1998</b> Average .....	<b>22</b>	<b>52</b>	<b>14,889</b>	<b>110</b>	<b>0</b>	<b>895</b>	<b>571</b>	<b>324</b>
<b>1999</b> January .....	18	280	14,442	107	0	904	572	332
February .....	(s)	50	14,309	119	0	906	572	334
March .....	0	367	14,498	95	0	917	572	345
April .....	17	-317	15,094	332	0	908	572	335
May .....	37	145	14,973	88	0	914	574	340
June .....	40	-276	14,959	123	0	907	575	332
July .....	29	5	15,237	120	0	908	576	332
August .....	-27	-539	15,299	132	0	890	575	315
September .....	20	-388	15,107	27	0	879	575	304
October .....	-103	18	14,589	56	0	876	572	304
November .....	-105	-191	14,704	83	0	867	569	298
December .....	-60	-447	14,410	133	0	852	567	284
<b>Average .....</b>	<b>-11</b>	<b>-107</b>	<b>14,804</b>	<b>118</b>	<b>0</b>	<b>—</b>	<b>—</b>	<b>—</b>
<b>2000</b> January .....	41	-20	13,779	176	0	852	568	284
February .....	30	68	14,028	30	0	855	569	286
March .....	1	363	14,613	144	0	867	569	297
April .....	0	225	15,053	124	0	873	569	304
May .....	0	-294	15,494	34	0	864	569	295
June .....	-17	-136	15,643	9	0	860	569	291
July .....	47	-272	15,819	15	0	853	570	282
August .....	33	164	15,640	17	0	859	571	287
September .....	-34	-313	15,407	23	0	848	570	278
October .....	-189	(s)	15,029	9	0	842	564	278
November .....	-566	285	15,023	2	0	834	548	286
December .....	-220	-30	15,232	16	0	826	541	286
<b>Average .....</b>	<b>-73</b>	<b>3</b>	<b>15,067</b>	<b>50</b>	<b>0</b>	<b>—</b>	<b>—</b>	<b>—</b>
<b>2001</b> January .....	32	179	14,797	18	0	836	542	294
February .....	(s)	-492	14,813	24	0	822	542	280
March .....	20	775	14,643	37	0	847	542	304
April .....	2	698	15,537	5	0	868	542	325
May .....	30	8	15,766	95	0	869	543	326
June .....	0	-668	15,651	15	0	849	543	306
July .....	15	174	15,364	13	0	855	544	311
August .....	0	-165	15,267	28	0	850	544	306
September .....	34	38	15,055	8	0	852	545	307
October .....	14	144	15,001	11	0	857	545	311
November .....	71	-59	14,968	9	0	857	547	310
December .....	<sup>R</sup> 94	<sup>R</sup> 69	<sup>R</sup> 14,689	<sup>R</sup> 12	0	<sup>R</sup> 862	550	<sup>R</sup> 312
<b>Average .....</b>	<sup>R</sup> <b>26</b>	<sup>R</sup> <b>64</b>	<sup>R</sup> <b>15,130</b>	<sup>R</sup> <b>23</b>	<b>0</b>	<b>—</b>	<b>—</b>	<b>—</b>
<b>2002</b> January* .....	<sup>E</sup> 145	<sup>E</sup> 282	<sup>E</sup> 14,506	<sup>E</sup> 34	<sup>E</sup> 0	<sup>E</sup> 874	<sup>E</sup> 554	<sup>E</sup> 319

Footnotes continued.

R = Revised data. (s) = Less than 500 barrels per day. E = Estimated. PE = Preliminary estimate. RE = Revised estimate.

SPR = Strategic Petroleum Reserve.

— = Not Applicable.

\* See Summary Statistics Explanatory Note 1.

Notes: • Crude oil includes lease condensate. • Italics denote estimates based upon preliminary data. • Geographic coverage is the 50 States and the District of Columbia. • Totals may not equal sum of components due to independent rounding.

Source: See Summary Statistics Table and Figure Sources.

**Table S3. Crude Oil and Petroleum Product Imports, 1986 - Present**  
(Thousand Barrels per Day)

Year/Month	Imports from Arab-OPEC Sources							
	Algeria		Iraq		Kuwait <sup>b</sup>		Libya	
	Total	Crude Oil	Total	Crude Oil	Total	Crude Oil	Total	Crude Oil
<b>1986</b> Average .....	271	78	81	81	68	28	0	0
<b>1987</b> Average .....	295	115	83	82	84	70	0	0
<b>1988</b> Average .....	300	58	345	343	92	80	0	0
<b>1989</b> Average .....	269	60	449	441	157	155	0	0
<b>1990</b> Average .....	280	63	518	514	86	79	0	0
<b>1991</b> Average .....	253	44	0	0	6	6	0	0
<b>1992</b> Average .....	196	24	0	0	51	39	0	0
<b>1993</b> Average .....	220	24	0	0	353	344	0	0
<b>1994</b> Average .....	243	21	0	0	312	307	0	0
<b>1995</b> Average .....	234	27	0	0	218	213	0	0
<b>1996</b> Average .....	256	8	1	1	236	235	0	0
<b>1997</b> Average .....	285	6	89	89	253	253	0	0
<b>1998</b> Average .....	290	10	336	336	301	300	0	0
<b>1999</b> January .....	246	20	485	485	132	132	0	0
February .....	209	6	681	681	205	205	0	0
March .....	285	6	791	791	324	324	0	0
April .....	321	80	829	829	286	279	0	0
May .....	303	107	750	750	227	227	0	0
June .....	255	7	773	773	259	259	0	0
July .....	302	48	680	680	311	311	0	0
August .....	249	0	672	672	348	348	0	0
September .....	255	4	741	741	261	261	0	0
October .....	183	0	922	922	205	205	0	0
November .....	211	11	713	713	216	216	0	0
December .....	279	15	668	668	200	186	0	0
<b>Average</b> .....	<b>259</b>	<b>25</b>	<b>725</b>	<b>725</b>	<b>248</b>	<b>246</b>	<b>0</b>	<b>0</b>
<b>2000</b> January .....	240	7	254	254	239	218	0	0
February .....	256	0	750	750	267	264	0	0
March .....	199	0	468	468	162	162	0	0
April .....	195	(s)	657	657	264	247	0	0
May .....	270	0	438	438	170	166	0	0
June .....	222	0	830	830	210	210	0	0
July .....	205	0	762	762	264	264	0	0
August .....	236	0	765	765	405	405	0	0
September .....	216	0	765	765	352	338	0	0
October .....	210	0	653	653	337	337	0	0
November .....	212	0	585	585	248	237	0	0
December .....	240	0	528	528	344	311	0	0
<b>Average</b> .....	<b>225</b>	<b>1</b>	<b>620</b>	<b>620</b>	<b>272</b>	<b>263</b>	<b>0</b>	<b>0</b>
<b>2001</b> January .....	286	0	294	294	242	206	0	0
February .....	223	0	236	236	280	251	0	0
March .....	279	19	566	566	302	302	0	0
April .....	326	0	862	862	242	221	0	0
May .....	379	54	973	973	251	240	0	0
June .....	265	20	740	740	255	255	0	0
July .....	190	0	697	697	287	287	0	0
August .....	243	0	562	562	256	256	0	0
September .....	200	0	1,192	1,192	243	220	0	0
October .....	269	0	1,166	1,166	221	221	0	0
November .....	308	37	889	889	196	196	0	0
December .....	326	0	1,120	1,120	140	140	0	0
<b>Average</b> .....	<b>275</b>	<b>11</b>	<b>778</b>	<b>778</b>	<b>243</b>	<b>233</b>	<b>0</b>	<b>0</b>

See footnotes at end of table.

**Table S3. Crude Oil and Petroleum Product Imports, 1986 - Present (Continued)**  
(Thousand Barrels per Day)

Year/Month	Imports from Arab-OPEC Sources							
	Qatar		Saudi Arabia <sup>b</sup>		United Arab Emirates		Total Arab OPEC	
	Total	Crude Oil	Total	Crude Oil	Total	Crude Oil	Total	Crude Oil
<b>1986</b> Average .....	13	12	685	618	44	38	1,162	854
<b>1987</b> Average .....	0	0	751	642	61	56	1,274	965
<b>1988</b> Average .....	0	0	1,073	911	29	23	1,839	1,415
<b>1989</b> Average .....	2	2	1,224	1,116	28	21	2,130	1,794
<b>1990</b> Average .....	4	4	1,339	1,195	17	9	2,244	1,864
<b>1991</b> Average .....	0	0	1,802	1,703	3	2	2,064	1,754
<b>1992</b> Average .....	1	0	1,720	1,597	6	0	1,974	1,660
<b>1993</b> Average .....	1	0	1,414	1,282	14	12	2,000	1,661
<b>1994</b> Average .....	0	0	1,402	1,297	13	11	1,970	1,636
<b>1995</b> Average .....	0	0	1,344	1,260	10	5	1,806	1,505
<b>1996</b> Average .....	0	0	1,363	1,248	3	3	1,859	1,496
<b>1997</b> Average .....	4	0	1,407	1,293	2	0	2,040	1,641
<b>1998</b> Average .....	4	1	1,491	1,404	3	3	2,424	2,053
<b>1999</b> January .....	0	0	1,511	1,410	0	0	2,375	2,047
February .....	0	0	1,497	1,417	0	0	2,592	2,309
March .....	34	0	1,652	1,584	0	0	3,086	2,704
April .....	31	0	1,482	1,417	5	0	2,954	2,606
May .....	0	0	1,502	1,406	0	0	2,783	2,491
June .....	0	0	1,539	1,438	19	0	2,845	2,477
July .....	0	0	1,436	1,296	0	0	2,729	2,335
August .....	18	0	1,474	1,373	3	0	2,763	2,392
September .....	14	0	1,441	1,330	0	0	2,712	2,337
October .....	0	0	1,353	1,251	0	0	2,663	2,378
November .....	11	11	1,396	1,334	0	0	2,547	2,285
December .....	8	0	1,455	1,391	0	0	2,610	2,260
<b>Average</b> .....	<b>10</b>	<b>1</b>	<b>1,478</b>	<b>1,387</b>	<b>2</b>	<b>0</b>	<b>2,722</b>	<b>2,385</b>
<b>2000</b> January .....	12	0	1,543	1,483	0	0	2,288	1,962
February .....	2	0	1,317	1,265	25	18	2,618	2,297
March .....	9	0	1,548	1,490	17	0	2,404	2,120
April .....	13	0	1,466	1,452	0	0	2,595	2,356
May .....	9	0	1,566	1,510	34	0	2,488	2,115
June .....	10	0	1,512	1,436	24	0	2,808	2,476
July .....	8	0	1,554	1,486	24	15	2,817	2,528
August .....	6	0	1,649	1,587	0	0	3,060	2,756
September .....	10	0	1,669	1,645	31	0	3,043	2,748
October .....	7	0	1,499	1,462	9	0	2,713	2,451
November .....	15	0	1,624	1,567	9	0	2,693	2,389
December .....	3	0	1,897	1,882	9	0	3,022	2,721
<b>Average</b> .....	<b>9</b>	<b>0</b>	<b>1,572</b>	<b>1,523</b>	<b>15</b>	<b>3</b>	<b>2,712</b>	<b>2,410</b>
<b>2001</b> January .....	7	0	1,758	1,629	138	79	2,723	2,207
February .....	0	0	1,779	1,723	44	0	2,561	2,210
March .....	20	0	1,787	1,728	4	0	2,958	2,615
April .....	19	0	1,657	1,625	84	76	3,191	2,785
May .....	30	0	1,770	1,724	52	35	3,456	3,026
June .....	23	2	1,777	1,707	28	0	3,088	2,724
July .....	11	0	1,713	1,683	10	0	2,907	2,667
August .....	10	0	1,826	1,816	26	17	2,923	2,651
September .....	14	0	1,478	1,439	84	32	3,211	2,884
October .....	6	0	1,432	1,384	16	16	3,110	2,786
November .....	10	0	1,543	1,514	0	0	2,945	2,635
December .....	10	0	1,370	1,357	0	0	2,965	2,617
<b>Average</b> .....	<b>13</b>	<b>(s)</b>	<b>1,657</b>	<b>1,610</b>	<b>40</b>	<b>21</b>	<b>3,006</b>	<b>2,653</b>

See footnotes at end of table.

**Table S3. Crude Oil and Petroleum Product Imports, 1986 - Present (Continued)**  
(Thousand Barrels per Day)

Year/Month		Imports from Other-OPEC Sources							
		Ecuador <sup>c</sup>		Gabon <sup>d</sup>		Indonesia		Iran	
		Total	Crude Oil	Total	Crude Oil	Total	Crude Oil	Total	Crude Oil
1986	Average .....	77	64	26	25	318	297	19	19
1987	Average .....	29	23	35	35	285	262	98	98
1988	Average .....	47	33	16	15	205	186	<sup>g</sup> (s)	<sup>g</sup> (s)
1989	Average .....	89	80	50	49	183	158	0	0
1990	Average .....	49	38	64	64	114	98	0	0
1991	Average .....	63	53	84	84	111	102	32	32
1992	Average .....	65	62	124	123	78	70	0	0
1993	Average .....	81	78	152	151	81	65	0	0
1994	Average .....	(c)	(c)	194	194	111	92	0	0
1995	Average .....	(c)	(c)	(d)	(d)	88	64	0	0
1996	Average .....	(c)	(c)	(d)	(d)	59	44	0	0
1997	Average .....	(c)	(c)	(d)	(d)	58	51	0	0
1998	Average .....	(c)	(c)	(d)	(d)	66	50	0	0
1999	January .....	(c)	(c)	(d)	(d)	100	75	0	0
	February .....	(c)	(c)	(d)	(d)	66	66	0	0
	March .....	(c)	(c)	(d)	(d)	43	40	0	0
	April .....	(c)	(c)	(d)	(d)	98	94	0	0
	May .....	(c)	(c)	(d)	(d)	105	98	0	0
	June .....	(c)	(c)	(d)	(d)	66	52	0	0
	July .....	(c)	(c)	(d)	(d)	19	14	0	0
	August .....	(c)	(c)	(d)	(d)	95	85	0	0
	September .....	(c)	(c)	(d)	(d)	95	63	0	0
	October .....	(c)	(c)	(d)	(d)	98	79	0	0
	November .....	(c)	(c)	(d)	(d)	74	68	0	0
	December .....	(c)	(c)	(d)	(d)	118	99	0	0
	Average .....	(c)	(c)	(d)	(d)	81	70	0	0
2000	January .....	(c)	(c)	(d)	(d)	31	22	0	0
	February .....	(c)	(c)	(d)	(d)	32	28	0	0
	March .....	(c)	(c)	(d)	(d)	45	45	0	0
	April .....	(c)	(c)	(d)	(d)	91	70	0	0
	May .....	(c)	(c)	(d)	(d)	35	30	0	0
	June .....	(c)	(c)	(d)	(d)	46	42	0	0
	July .....	(c)	(c)	(d)	(d)	20	14	0	0
	August .....	(c)	(c)	(d)	(d)	61	55	0	0
	September .....	(c)	(c)	(d)	(d)	28	28	0	0
	October .....	(c)	(c)	(d)	(d)	37	34	0	0
	November .....	(c)	(c)	(d)	(d)	60	29	0	0
	December .....	(c)	(c)	(d)	(d)	92	41	0	0
	Average .....	(c)	(c)	(d)	(d)	48	36	0	0
2001	January .....	(c)	(c)	(d)	(d)	48	20	0	0
	February .....	(c)	(c)	(d)	(d)	76	42	0	0
	March .....	(c)	(c)	(d)	(d)	74	57	0	0
	April .....	(c)	(c)	(d)	(d)	58	52	0	0
	May .....	(c)	(c)	(d)	(d)	78	73	0	0
	June .....	(c)	(c)	(d)	(d)	65	57	0	0
	July .....	(c)	(c)	(d)	(d)	29	28	0	0
	August .....	(c)	(c)	(d)	(d)	38	37	0	0
	September .....	(c)	(c)	(d)	(d)	26	25	0	0
	October .....	(c)	(c)	(d)	(d)	39	29	0	0
	November .....	(c)	(c)	(d)	(d)	22	21	0	0
	December .....	(c)	(c)	(d)	(d)	51	42	0	0
	Average .....	(c)	(c)	(d)	(d)	50	40	0	0

See footnotes at end of table.

**Table S3. Crude Oil and Petroleum Product Imports, 1986 - Present (Continued)**  
(Thousand Barrels per Day)

Year/Month	Imports from Other-OPEC Sources						Total OPEC <sup>c,d,e</sup>	
	Nigeria		Venezuela		Total Other OPEC <sup>c,d</sup>			
	Total	Crude Oil	Total	Crude Oil	Total	Crude Oil	Total	Crude Oil
<b>1986</b> Average .....	440	437	793	416	1,674	1,259	2,837	2,113
<b>1987</b> Average .....	535	529	804	488	1,787	1,435	3,060	2,400
<b>1988</b> Average .....	618	607	794	439	1,681	1,281	3,520	2,696
<b>1989</b> Average .....	815	800	873	495	2,010	1,582	4,140	3,376
<b>1990</b> Average .....	800	784	1,025	666	2,052	1,650	4,296	3,514
<b>1991</b> Average .....	703	683	1,035	668	2,028	1,622	4,092	3,377
<b>1992</b> Average .....	681	665	1,170	826	2,117	1,746	4,092	3,406
<b>1993</b> Average .....	740	722	1,300	1,010	2,354	2,026	4,354	3,687
<b>1994</b> Average .....	637	624	1,334	1,034	2,277	1,944	4,247	3,580
<b>1995</b> Average .....	627	621	1,480	1,151	2,196	1,835	4,002	3,341
<b>1996</b> Average .....	617	595	1,676	1,303	2,353	1,942	4,211	3,438
<b>1997</b> Average .....	698	689	1,773	1,394	2,529	2,134	4,569	3,775
<b>1998</b> Average .....	696	689	1,719	1,377	2,481	2,116	4,905	4,169
<b>1999</b> January .....	702	686	1,641	1,243	2,444	2,004	4,819	4,051
February .....	701	661	1,751	1,298	2,518	2,025	5,110	4,334
March .....	650	613	1,331	1,001	2,023	1,654	5,109	4,358
April .....	890	848	1,737	1,420	2,725	2,362	5,679	4,968
May .....	617	572	1,574	1,213	2,296	1,883	5,079	4,374
June .....	703	667	1,426	1,047	2,195	1,766	5,040	4,243
July .....	666	645	1,602	1,222	2,287	1,881	5,016	4,216
August .....	800	766	1,480	1,183	2,374	2,035	5,137	4,427
September .....	535	505	1,484	1,138	2,113	1,707	4,825	4,044
October .....	543	522	1,340	1,041	1,981	1,642	4,645	4,020
November .....	588	548	1,222	942	1,885	1,558	4,431	3,843
December .....	490	450	1,346	1,069	1,954	1,618	4,564	3,878
<b>Average</b> .....	<b>657</b>	<b>623</b>	<b>1,493</b>	<b>1,150</b>	<b>2,231</b>	<b>1,843</b>	<b>4,953</b>	<b>4,228</b>
<b>2000</b> January .....	490	439	1,360	1,051	1,881	1,512	4,169	3,474
February .....	657	636	1,600	1,198	2,289	1,863	4,907	4,160
March .....	1,038	1,005	1,567	1,209	2,651	2,260	5,054	4,379
April .....	948	931	1,537	1,176	2,576	2,176	5,171	4,533
May .....	913	902	1,468	1,102	2,416	2,035	4,904	4,150
June .....	1,189	1,136	1,516	1,207	2,750	2,385	5,558	4,861
July .....	895	876	1,446	1,159	2,361	2,049	5,178	4,577
August .....	1,122	1,108	1,661	1,429	2,844	2,591	5,904	5,348
September .....	1,020	1,008	1,378	1,075	2,426	2,112	5,470	4,859
October .....	946	943	1,610	1,293	2,594	2,270	5,307	4,721
November .....	851	836	1,632	1,358	2,543	2,222	5,236	4,612
December .....	686	673	1,776	1,419	2,553	2,132	5,575	4,854
<b>Average</b> .....	<b>896</b>	<b>875</b>	<b>1,546</b>	<b>1,223</b>	<b>2,491</b>	<b>2,134</b>	<b>5,203</b>	<b>4,544</b>
<b>2001</b> January .....	873	842	1,761	1,416	2,681	2,278	5,405	4,486
February .....	894	859	1,467	1,234	2,438	2,135	4,999	4,345
March .....	983	963	1,769	1,463	2,825	2,484	5,783	5,100
April .....	1,122	1,078	1,611	1,322	2,792	2,452	5,983	5,237
May .....	949	877	1,477	1,264	2,504	2,214	5,960	5,240
June .....	765	706	1,597	1,280	2,427	2,043	5,515	4,767
July .....	847	813	1,682	1,445	2,558	2,286	5,466	4,953
August .....	720	682	1,553	1,342	2,311	2,062	5,234	4,713
September .....	1,007	944	1,276	1,041	2,309	2,009	5,520	4,893
October .....	784	755	1,473	1,257	2,297	2,041	5,406	4,827
November .....	696	662	1,390	1,113	2,107	1,795	5,052	4,431
December .....	614	579	1,382	1,178	2,047	1,799	5,012	4,416
<b>Average</b> .....	<b>854</b>	<b>813</b>	<b>1,538</b>	<b>1,281</b>	<b>2,442</b>	<b>2,134</b>	<b>5,447</b>	<b>4,787</b>

See footnotes at end of table.

**Table S3. Crude Oil and Petroleum Product Imports, 1986 - Present (Continued)**  
(Thousand Barrels per Day)

Year/Month		Imports from Non-OPEC Sources <sup>a</sup>											
		Angola		Australia		Bahama Islands		Brazil		Canada		China, People's Republic of	
		Total	Crude Oil	Total	Crude Oil	Total	Crude Oil	Total	Crude Oil	Total	Crude Oil	Total	Crude Oil
<b>1986</b>	Average .....	112	102	41	30	37	0	50	0	807	570	90	68
<b>1987</b>	Average .....	192	180	58	49	37	0	84	0	848	608	82	63
<b>1988</b>	Average .....	212	203	64	59	32	0	98	0	999	681	88	82
<b>1989</b>	Average .....	284	279	36	31	34	0	82	0	931	630	80	76
<b>1990</b>	Average .....	237	236	53	47	37	0	49	0	934	643	80	77
<b>1991</b>	Average .....	254	254	26	21	35	0	22	0	1,033	743	91	87
<b>1992</b>	Average .....	336	336	19	17	36	0	20	0	1,069	797	90	84
<b>1993</b>	Average .....	336	336	19	18	28	0	33	0	1,181	900	51	50
<b>1994</b>	Average .....	331	322	17	16	29	0	31	1	1,272	983	65	64
<b>1995</b>	Average .....	367	360	16	16	2	0	8	0	1,332	1,040	53	53
<b>1996</b>	Average .....	351	344	31	25	1	0	9	0	1,424	1,075	57	57
<b>1997</b>	Average .....	427	425	48	31	1	0	5	0	1,563	1,198	49	48
<b>1998</b>	Average .....	468	465	57	31	4	0	26	0	1,598	1,266	42	42
<b>1999</b>	January .....	421	421	0	0	0	0	3	0	1,600	1,196	(s)	0
	February .....	380	364	73	49	0	0	22	0	1,459	1,081	2	0
	March .....	270	270	53	53	0	0	15	0	1,365	1,056	31	30
	April .....	401	393	19	19	7	0	26	0	1,373	1,057	21	21
	May .....	407	400	55	37	23	0	47	0	1,523	1,104	2	0
	June .....	334	334	56	34	0	0	48	0	1,477	1,159	67	19
	July .....	349	349	30	30	8	0	31	0	1,694	1,354	19	19
	August .....	309	309	65	47	0	0	30	0	1,653	1,263	72	33
	September .....	465	465	110	65	0	0	16	0	1,407	1,067	37	34
	October .....	444	444	0	0	0	0	18	0	1,627	1,229	0	0
	November .....	307	307	22	22	0	0	37	0	1,592	1,264	1	0
	December .....	244	227	23	23	0	0	18	0	1,684	1,291	1	0
	<b>Average .....</b>	<b>361</b>	<b>357</b>	<b>42</b>	<b>31</b>	<b>3</b>	<b>0</b>	<b>26</b>	<b>0</b>	<b>1,539</b>	<b>1,178</b>	<b>21</b>	<b>13</b>
<b>2000</b>	January .....	249	247	43	43	0	0	59	0	1,869	1,378	7	0
	February .....	186	177	58	50	0	0	21	0	1,904	1,350	22	21
	March .....	312	308	44	44	0	0	10	0	1,673	1,261	91	37
	April .....	348	335	97	70	0	0	57	0	1,750	1,323	61	18
	May .....	378	366	94	65	0	0	33	0	1,907	1,488	39	28
	June .....	376	359	56	56	0	0	102	19	1,830	1,430	55	54
	July .....	310	310	87	84	0	0	88	11	1,775	1,376	44	39
	August .....	279	279	45	45	0	0	72	17	1,790	1,318	33	32
	September .....	266	266	42	22	0	0	22	0	1,789	1,321	40	40
	October .....	266	254	42	42	0	0	37	0	1,716	1,262	70	69
	November .....	341	329	22	22	0	0	80	13	1,736	1,283	21	20
	December .....	301	301	42	42	0	0	36	0	1,948	1,380	45	39
	<b>Average .....</b>	<b>301</b>	<b>295</b>	<b>56</b>	<b>49</b>	<b>0</b>	<b>0</b>	<b>51</b>	<b>5</b>	<b>1,807</b>	<b>1,348</b>	<b>44</b>	<b>33</b>
<b>2001</b>	January .....	312	300	74	65	0	0	105	35	1,827	1,297	33	33
	February .....	499	485	27	20	0	0	88	0	1,828	1,313	2	0
	March .....	374	374	47	20	6	0	80	21	1,893	1,378	32	14
	April .....	303	303	111	68	14	0	80	31	1,812	1,355	24	14
	May .....	336	336	16	15	0	0	120	16	1,736	1,325	31	21
	June .....	283	283	22	22	14	0	67	0	1,848	1,425	26	0
	July .....	310	298	65	65	0	0	78	0	1,659	1,225	23	20
	August .....	323	311	20	20	19	0	54	0	1,674	1,226	57	28
	September .....	349	339	46	46	10	0	80	17	1,691	1,245	21	0
	October .....	242	222	30	21	26	0	84	32	1,697	1,283	21	21
	November .....	267	267	21	21	31	0	53	0	1,866	1,405	0	0
	December .....	263	263	46	46	10	0	33	0	1,902	1,370	9	0
	<b>Average .....</b>	<b>321</b>	<b>314</b>	<b>44</b>	<b>36</b>	<b>11</b>	<b>0</b>	<b>77</b>	<b>13</b>	<b>1,786</b>	<b>1,320</b>	<b>24</b>	<b>13</b>

See footnotes at end of table.

**Table S3. Crude Oil and Petroleum Product Imports, 1986 - Present (Continued)**  
(Thousand Barrels per Day)

Year/Month		Imports from Non-OPEC Sources <sup>a</sup>											
		Colombia		Ecuador <sup>c</sup>		Gabon <sup>d</sup>		Italy		Malaysia		Mexico	
		Total	Crude Oil	Total	Crude Oil	Total	Crude Oil	Total	Crude Oil	Total	Crude Oil	Total	Crude Oil
<b>1986</b>	<b>Average</b> .....	<b>87</b>	<b>57</b>	(c)	(c)	(d)	(d)	<b>76</b>	<b>0</b>	<b>12</b>	<b>11</b>	<b>699</b>	<b>621</b>
<b>1987</b>	<b>Average</b> .....	<b>148</b>	<b>115</b>	(c)	(c)	(d)	(d)	<b>54</b>	<b>1</b>	<b>13</b>	<b>12</b>	<b>655</b>	<b>602</b>
<b>1988</b>	<b>Average</b> .....	<b>134</b>	<b>106</b>	(c)	(c)	(d)	(d)	<b>65</b>	<b>5</b>	<b>19</b>	<b>19</b>	<b>747</b>	<b>674</b>
<b>1989</b>	<b>Average</b> .....	<b>172</b>	<b>136</b>	(c)	(c)	(d)	(d)	<b>34</b>	<b>3</b>	<b>39</b>	<b>39</b>	<b>767</b>	<b>716</b>
<b>1990</b>	<b>Average</b> .....	<b>182</b>	<b>140</b>	(c)	(c)	(d)	(d)	<b>58</b>	<b>2</b>	<b>41</b>	<b>40</b>	<b>755</b>	<b>689</b>
<b>1991</b>	<b>Average</b> .....	<b>163</b>	<b>123</b>	(c)	(c)	(d)	(d)	<b>47</b>	<b>3</b>	<b>24</b>	<b>24</b>	<b>807</b>	<b>759</b>
<b>1992</b>	<b>Average</b> .....	<b>126</b>	<b>102</b>	(c)	(c)	(d)	(d)	<b>55</b>	<b>0</b>	<b>10</b>	<b>10</b>	<b>830</b>	<b>787</b>
<b>1993</b>	<b>Average</b> .....	<b>171</b>	<b>141</b>	(c)	(c)	(d)	(d)	<b>31</b>	<b>0</b>	<b>11</b>	<b>10</b>	<b>919</b>	<b>863</b>
<b>1994</b>	<b>Average</b> .....	<b>161</b>	<b>146</b>	<b>91</b>	<b>91</b>	(d)	(d)	<b>22</b>	<b>0</b>	<b>10</b>	<b>6</b>	<b>984</b>	<b>939</b>
<b>1995</b>	<b>Average</b> .....	<b>219</b>	<b>207</b>	<b>97</b>	<b>96</b>	<b>229</b>	<b>229</b>	<b>5</b>	<b>0</b>	<b>8</b>	<b>6</b>	<b>1,068</b>	<b>1,027</b>
<b>1996</b>	<b>Average</b> .....	<b>234</b>	<b>226</b>	<b>104</b>	<b>96</b>	<b>184</b>	<b>184</b>	<b>8</b>	<b>0</b>	<b>11</b>	<b>6</b>	<b>1,244</b>	<b>1,207</b>
<b>1997</b>	<b>Average</b> .....	<b>271</b>	<b>270</b>	<b>115</b>	<b>114</b>	<b>230</b>	<b>230</b>	<b>7</b>	<b>0</b>	<b>23</b>	<b>8</b>	<b>1,385</b>	<b>1,360</b>
<b>1998</b>	<b>Average</b> .....	<b>354</b>	<b>349</b>	<b>101</b>	<b>98</b>	<b>207</b>	<b>207</b>	<b>12</b>	<b>0</b>	<b>35</b>	<b>26</b>	<b>1,351</b>	<b>1,321</b>
<b>1999</b>	January .....	445	440	70	66	194	194	0	0	28	13	1,337	1,254
	February .....	480	458	51	45	175	175	17	0	20	0	1,279	1,231
	March .....	592	572	131	123	111	111	10	0	0	0	1,490	1,434
	April .....	435	425	67	61	269	269	19	0	27	14	1,403	1,315
	May .....	458	443	145	128	190	190	30	0	67	56	1,333	1,246
	June .....	370	351	112	112	92	92	8	0	31	22	1,355	1,297
	July .....	600	572	88	88	140	140	0	0	30	17	1,379	1,310
	August .....	547	521	133	133	95	95	0	0	64	49	1,339	1,225
	September .....	406	388	136	136	159	159	8	0	44	22	1,282	1,219
	October .....	432	432	163	163	186	186	7	0	39	36	1,189	1,131
	November .....	416	396	185	179	190	190	6	0	30	10	1,230	1,165
	December .....	433	421	128	128	216	216	13	0	32	13	1,272	1,217
	<b>Average</b> .....	<b>468</b>	<b>452</b>	<b>118</b>	<b>114</b>	<b>168</b>	<b>168</b>	<b>10</b>	<b>0</b>	<b>35</b>	<b>21</b>	<b>1,324</b>	<b>1,254</b>
<b>2000</b>	January .....	452	426	83	83	150	150	16	0	84	65	1,340	1,266
	February .....	355	335	102	102	155	155	48	0	71	36	1,237	1,150
	March .....	464	460	122	122	136	128	29	0	34	15	1,382	1,286
	April .....	402	370	114	114	172	172	20	0	34	25	1,417	1,359
	May .....	346	338	91	91	155	155	13	0	35	20	1,362	1,314
	June .....	283	265	106	96	88	88	36	0	29	14	1,499	1,431
	July .....	237	199	112	112	105	105	18	0	55	42	1,311	1,241
	August .....	313	299	190	184	106	106	20	0	21	0	1,426	1,381
	September .....	360	332	205	202	182	182	24	0	15	0	1,494	1,437
	October .....	207	180	166	160	164	164	23	0	86	66	1,263	1,248
	November .....	324	283	141	136	181	181	49	0	21	11	1,340	1,290
	December .....	359	327	104	96	129	129	69	0	59	55	1,405	1,348
	<b>Average</b> .....	<b>342</b>	<b>318</b>	<b>128</b>	<b>125</b>	<b>143</b>	<b>143</b>	<b>30</b>	<b>0</b>	<b>45</b>	<b>29</b>	<b>1,373</b>	<b>1,313</b>
<b>2001</b>	January .....	360	326	97	94	94	94	43	0	37	0	1,403	1,363
	February .....	321	294	90	90	177	177	44	0	18	0	1,088	1,026
	March .....	210	186	80	80	152	152	64	0	87	54	1,433	1,351
	April .....	276	232	111	108	177	177	24	0	38	22	1,558	1,533
	May .....	296	233	155	149	127	127	49	0	30	0	1,305	1,258
	June .....	293	233	111	84	155	155	32	0	24	13	1,234	1,214
	July .....	211	187	105	105	149	149	55	0	13	0	1,343	1,317
	August .....	338	314	113	101	98	98	19	0	26	10	1,452	1,403
	September .....	269	231	123	122	86	86	63	0	29	21	1,473	1,420
	October .....	231	224	184	178	136	136	18	0	59	34	1,432	1,399
	November .....	278	236	97	97	155	155	38	0	25	12	1,746	1,698
	December .....	283	242	80	80	159	159	8	0	47	15	1,588	1,543
	<b>Average</b> .....	<b>280</b>	<b>245</b>	<b>112</b>	<b>108</b>	<b>138</b>	<b>138</b>	<b>38</b>	<b>0</b>	<b>36</b>	<b>15</b>	<b>1,423</b>	<b>1,379</b>

See footnotes at end of table.

**Table S3. Crude Oil and Petroleum Product Imports, 1986 - Present (Continued)**  
(Thousand Barrels per Day)

Year/Month		Imports from Non-OPEC Sources <sup>a</sup>											
		Netherlands		Netherlands Antilles		Norway		Puerto Rico		Russia <sup>f</sup>		Spain	
		Total	Crude Oil	Total	Crude Oil	Total	Crude Oil	Total	Crude Oil	Total	Crude Oil	Total	Crude Oil
1986	Average .....	54	0	25	0	60	53	21	0	18	(s)	53	0
1987	Average .....	60	0	29	0	80	70	21	0	11	0	55	0
1988	Average .....	61	0	36	0	67	62	22	0	29	0	68	0
1989	Average .....	49	0	42	0	138	127	32	0	48	0	67	0
1990	Average .....	55	0	31	0	102	96	32	0	45	1	47	0
1991	Average .....	29	0	81	0	82	74	27	0	29	1	33	0
1992	Average .....	26	0	65	0	127	119	26	0	18	5	32	0
1993	Average .....	10	0	82	0	142	137	29	0	55	36	37	0
1994	Average .....	32	0	98	0	202	190	22	0	30	27	37	0
1995	Average .....	15	0	52	0	273	258	15	0	25	14	16	1
1996	Average .....	19	0	64	0	313	293	20	0	25	18	29	1
1997	Average .....	25	0	74	0	309	288	16	0	13	3	21	0
1998	Average .....	31	0	82	0	236	221	15	0	24	9	18	0
1999	January .....	21	0	95	0	216	179	18	0	28	0	4	0
	February .....	7	0	160	0	203	157	0	0	28	0	0	0
	March .....	20	0	58	0	248	199	3	0	26	0	5	0
	April .....	34	0	76	0	265	192	15	0	75	43	13	0
	May .....	65	0	81	0	293	244	10	0	109	45	26	0
	June .....	44	0	31	0	524	497	15	0	149	22	0	0
	July .....	37	0	83	0	408	396	13	0	139	32	8	0
	August .....	35	0	58	0	244	222	12	0	138	14	13	0
	September .....	2	0	30	0	235	195	22	0	142	39	(s)	0
	October .....	17	0	49	0	341	292	13	0	110	31	22	0
	November .....	24	0	44	0	288	255	12	0	94	16	23	0
	December .....	11	0	24	0	371	326	15	0	31	12	9	0
	Average .....	27	0	65	0	304	263	13	0	89	21	10	0
2000	January .....	12	0	110	0	314	262	14	0	29	0	37	0
	February .....	45	0	60	0	381	328	15	0	120	0	35	0
	March .....	39	0	74	0	346	305	13	0	63	17	23	0
	April .....	21	0	41	0	397	348	14	0	83	25	31	0
	May .....	16	0	75	0	307	295	20	0	44	13	8	0
	June .....	43	0	95	0	274	240	17	0	75	0	28	0
	July .....	8	0	63	0	545	482	13	0	78	0	23	0
	August .....	22	8	138	0	377	334	11	0	73	6	47	0
	September .....	39	0	56	0	363	323	16	0	89	8	21	0
	October .....	40	0	142	0	306	283	16	0	111	13	20	0
	November .....	34	0	103	0	293	241	8	0	50	0	6	0
	December .....	41	0	119	0	220	186	21	0	55	0	16	0
	Average .....	30	1	90	0	343	302	15	0	72	7	25	0
2001	January .....	77	0	141	0	319	226	11	0	188	0	50	0
	February .....	48	0	101	0	395	299	8	0	183	0	47	0
	March .....	48	0	125	0	400	313	5	0	53	0	35	0
	April .....	23	0	105	0	382	325	6	0	115	0	19	0
	May .....	50	0	44	0	411	376	3	0	88	0	31	0
	June .....	56	0	66	0	284	254	12	0	47	0	33	0
	July .....	25	0	70	0	448	363	0	0	81	0	25	0
	August .....	40	0	67	0	262	202	0	0	118	0	11	0
	September .....	34	0	39	0	303	265	3	0	124	0	27	0
	October .....	50	0	63	0	259	211	0	0	34	0	22	0
	November .....	22	0	65	0	325	269	0	0	22	0	16	0
	December .....	33	0	46	0	140	106	0	0	30	0	43	0
	Average .....	42	0	78	0	327	267	4	0	90	0	30	0

See footnotes at end of table.

**Table S3. Crude Oil and Petroleum Product Imports, 1986 - Present (Continued)**  
(Thousand Barrels per Day)

Year/Month	Imports from Non-OPEC Sources <sup>a</sup>										Total Imports	
	Trinidad and Tobago		United Kingdom		Virgin Islands, U.S.		Other Non-OPEC		Total Non-OPEC <sup>c,d</sup>			
	Total	Crude Oil	Total	Crude Oil	Total	Crude Oil	Total	Crude Oil	Total	Crude Oil	Total	Crude Oil
<b>1986</b> Average .....	125	93	350	317	244	0	426	144	3,387	2,065	6,224	4,178
<b>1987</b> Average .....	106	75	352	304	272	0	459	196	3,617	2,274	6,678	4,674
<b>1988</b> Average .....	97	71	315	254	242	0	487	196	3,882	2,411	7,402	5,107
<b>1989</b> Average .....	94	73	215	160	321	0	457	197	3,921	2,467	8,061	5,843
<b>1990</b> Average .....	96	76	189	155	282	0	417	180	3,721	2,381	8,018	5,894
<b>1991</b> Average .....	88	72	138	106	243	0	282	137	3,535	2,405	7,627	5,782
<b>1992</b> Average .....	95	70	230	200	249	0	335	149	3,796	2,676	7,888	6,083
<b>1993</b> Average .....	74	55	350	312	254	0	452	240	4,266	3,100	8,620	6,787
<b>1994</b> Average .....	77	62	458	396	328	0	450	239	4,749	3,483	8,996	7,063
<b>1995</b> Average .....	70	62	383	341	278	0	302	181	4,833	3,889	8,835	7,230
<b>1996</b> Average .....	76	58	308	216	313	0	440	265	5,267	4,070	9,478	7,508
<b>1997</b> Average .....	61	56	226	169	300	0	422	250	5,593	4,450	10,162	8,225
<b>1998</b> Average .....	66	53	250	161	293	0	531	288	5,803	4,537	10,708	8,706
<b>1999</b> January .....	52	34	242	160	300	0	529	386	5,605	4,342	10,424	8,393
February .....	48	38	260	165	295	0	583	372	5,540	4,134	10,650	8,468
March .....	28	18	314	261	319	0	460	254	5,549	4,382	10,658	8,739
April .....	49	37	319	143	271	0	756	300	5,939	4,288	11,618	9,256
May .....	41	18	569	471	298	0	659	344	6,432	4,725	11,511	9,098
June .....	52	33	373	317	290	0	689	357	6,119	4,645	11,160	8,888
July .....	57	31	644	537	278	0	646	300	6,681	5,175	11,697	9,391
August .....	53	36	321	256	206	0	617	278	6,005	4,481	11,142	8,908
September .....	83	67	445	366	305	16	499	244	5,831	4,483	10,657	8,527
October .....	75	66	344	267	284	0	592	318	5,951	4,593	10,595	8,613
November .....	66	42	336	281	277	0	421	254	5,602	4,381	10,033	8,224
December .....	92	64	198	174	236	0	450	244	5,501	4,357	10,065	8,234
<b>Average</b> .....	<b>58</b>	<b>40</b>	<b>365</b>	<b>284</b>	<b>280</b>	<b>1</b>	<b>575</b>	<b>304</b>	<b>5,899</b>	<b>4,502</b>	<b>10,852</b>	<b>8,731</b>
<b>2000</b> January .....	89	71	273	171	255	0	486	194	5,971	4,355	10,140	7,829
February .....	71	52	241	149	306	0	660	255	6,095	4,159	11,003	8,318
March .....	60	37	283	240	226	0	574	150	5,997	4,411	11,052	8,790
April .....	96	70	444	348	312	0	476	232	6,387	4,808	11,558	9,341
May .....	77	51	560	449	307	0	645	262	6,512	4,935	11,415	9,085
June .....	107	52	349	282	356	0	671	286	6,474	4,672	12,032	9,533
July .....	93	54	476	458	267	0	703	307	6,410	4,821	11,588	9,398
August .....	80	55	405	343	297	0	526	184	6,268	4,591	12,173	9,939
September .....	97	58	291	248	323	0	695	186	6,430	4,625	11,900	9,484
October .....	95	56	381	275	237	0	593	175	5,983	4,248	11,290	8,969
November .....	80	56	332	263	299	0	613	174	6,073	4,301	11,309	8,913
December .....	75	55	342	252	318	0	775	164	6,478	4,376	12,053	9,229
<b>Average</b> .....	<b>85</b>	<b>56</b>	<b>366</b>	<b>291</b>	<b>291</b>	<b>0</b>	<b>618</b>	<b>214</b>	<b>6,257</b>	<b>4,526</b>	<b>11,459</b>	<b>9,071</b>
<b>2001</b> January .....	95	55	376	253	339	0	730	164	6,714	4,306	12,118	8,791
February .....	45	16	361	232	273	0	820	186	6,463	4,138	11,462	8,484
March .....	67	57	253	167	263	0	452	211	6,159	4,377	11,942	9,477
April .....	85	60	239	140	195	0	633	216	6,329	4,584	12,311	9,821
May .....	49	38	417	358	212	0	780	164	6,283	4,415	12,243	9,655
June .....	70	59	241	192	339	0	728	202	5,985	4,134	11,499	8,901
July .....	83	58	344	286	310	0	714	380	6,110	4,453	11,576	9,406
August .....	86	51	237	197	202	0	865	418	6,084	4,380	11,318	9,092
September .....	90	51	196	132	283	0	639	188	5,978	4,161	11,498	9,054
October .....	45	39	365	265	265	0	480	182	5,743	4,249	11,149	9,077
November .....	68	56	351	262	259	0	629	257	6,332	4,734	11,384	9,165
December .....	69	69	286	225	247	0	585	246	5,906	4,363	10,918	8,779
<b>Average</b> .....	<b>71</b>	<b>51</b>	<b>306</b>	<b>226</b>	<b>265</b>	<b>0</b>	<b>670</b>	<b>235</b>	<b>6,172</b>	<b>4,359</b>	<b>11,619</b>	<b>9,146</b>

<sup>a</sup> Includes petroleum imported into the United States indirectly from members of the Organization of Petroleum Exporting Countries (OPEC) primarily from Caribbean and West European areas as petroleum products that were refined from crude oil produced by OPEC.

<sup>b</sup> Imports from the Neutral Zone are reported as originating in either Saudi Arabia or Kuwait depending on the country reported to U.S. Customs.

<sup>c</sup> On December 31, 1992, Ecuador withdrew as a member of OPEC. As of January 1, 1994, imports of petroleum from Ecuador appear under imports from Non-OPEC Sources.

<sup>d</sup> On December 31, 1994, Gabon withdrew as a member of OPEC. As of January 1, 1995, imports of petroleum from Gabon appear under imports from Non-OPEC Sources.

<sup>e</sup> Excludes petroleum imported into the United States indirectly from members of the Organization of Petroleum Exporting Countries (OPEC), primarily from Caribbean and West European areas, as petroleum products that were refined from crude oil produced by OPEC.

<sup>f</sup> Imports from other States in the former U.S.S.R. may be included in imports from Russia for the years 1981 through 1992.

<sup>g</sup> A small amount of Iranian crude oil entered the United States in January 1988 from the Virgin Islands. This oil originated in Iran and was exported to the Virgin Islands prior to the signing of Executive Order 12613 on October 29, 1987.

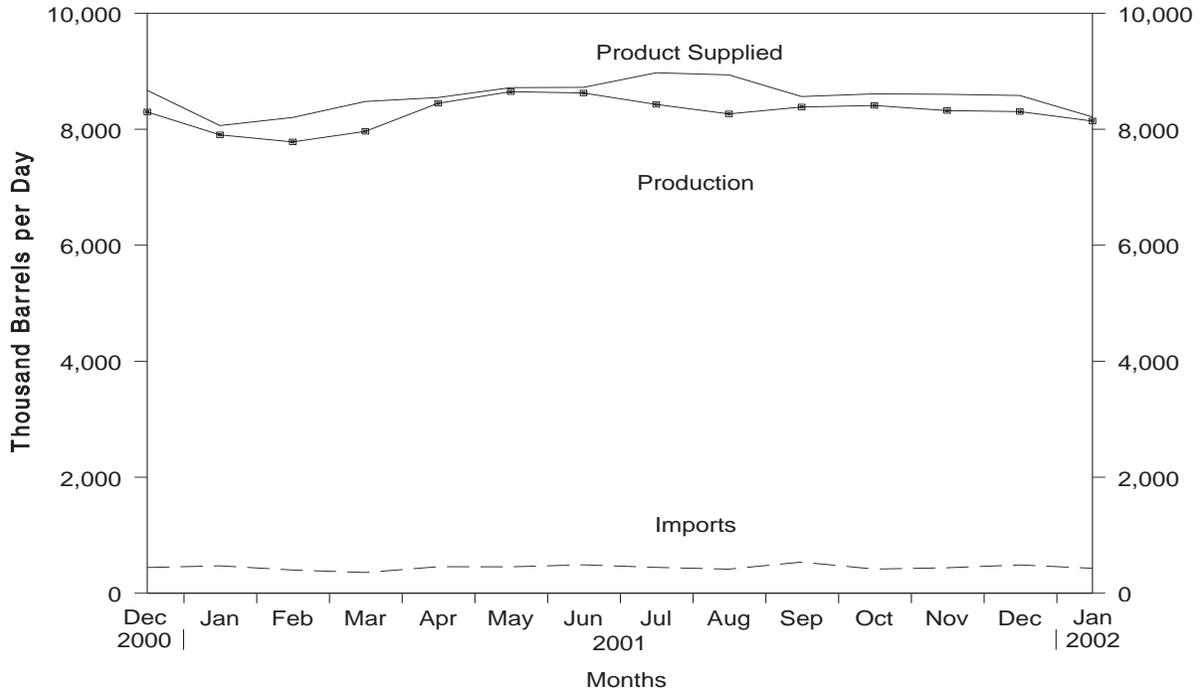
(s) = Less than 500 barrels per day.

— = Not Applicable.

Notes: • Geographic coverage is the 50 States and the District of Columbia. • Totals may not equal sum of components due to independent rounding.

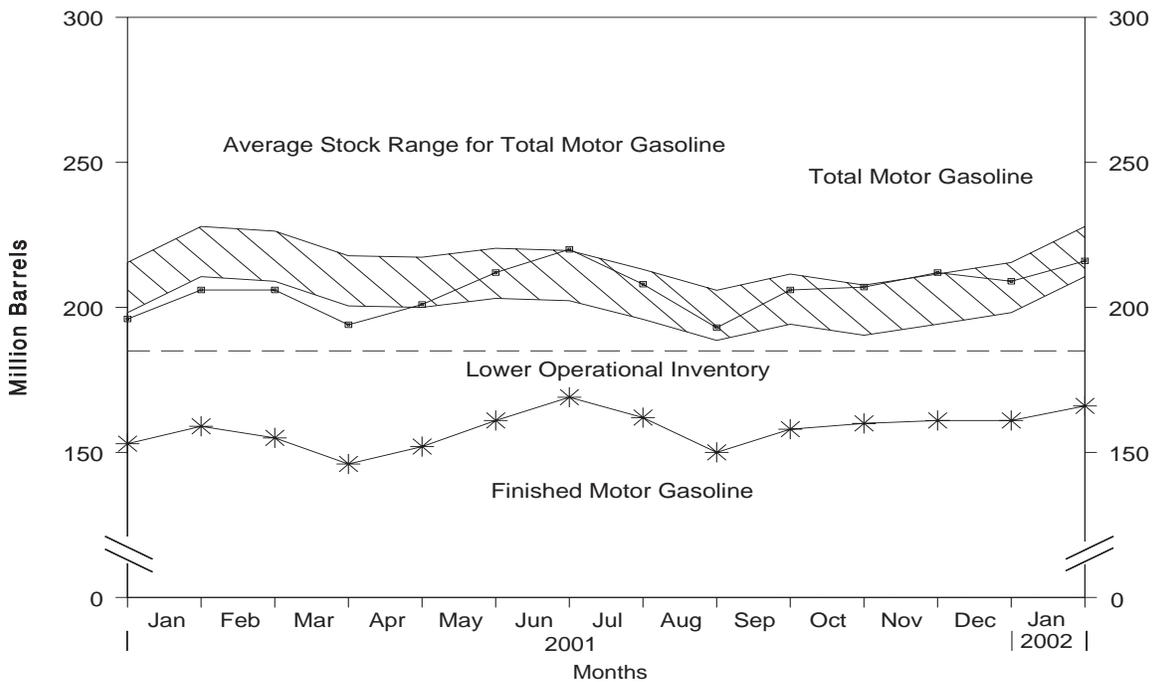
Source: See Summary Statistics Table and Figure Sources.

**Figure S5. Finished Motor Gasoline Supply and Disposition, December 2000 - Present**



Source: Energy Information Administration, *Petroleum Supply Monthly*, Table S4. See Summary Statistics Table and Figure Sources.

**Figure S6. Motor Gasoline Ending Stocks, December 2000 - Present**



Note: • Total motor gasoline includes motor gasoline blending components and finished motor gasoline, but excludes oxygenates. • The Lower Operational Inventory for total motor gasoline stocks is 185.0 million barrels.

Source: Energy Information Administration, *Petroleum Supply Monthly*, Table S4. See Summary Statistics Table and Figure Sources.

**Table S4. Finished Motor Gasoline Supply and Disposition, 1986 - Present**  
(Thousand Barrels per Day, Except Where Noted)

Year/Month	Supply		Disposition			Ending Stocks <sup>a</sup> (Million Barrels)		Ending Stocks <sup>a</sup> (Million Barrels)
	Total Production <sup>b</sup>	Imports <sup>c</sup>	Stock Change <sup>c,d</sup>	Exports	Product Supplied <sup>b</sup>	Motor Gasoline		Oxygenates
						Total <sup>e</sup>	Finished <sup>c</sup>	
<b>1986</b> Average .....	6,752	326	11	33	7,034	233	194	—
<b>1987</b> Average .....	6,841	384	-15	35	7,206	226	189	—
<b>1988</b> Average .....	6,956	405	3	22	7,336	228	190	—
<b>1989</b> Average .....	6,963	369	-35	39	7,328	213	177	—
<b>1990</b> Average .....	6,959	342	10	55	7,235	220	181	—
<b>1991</b> Average .....	6,975	297	3	82	7,188	219	182	—
<b>1992</b> Average .....	7,058	294	-11	96	7,268	216	178	—
<b>1993</b> Average .....	7,360	247	26	105	7,476	226	187	13
<b>1994</b> Average .....	7,312	356	-31	97	7,601	215	176	17
<b>1995</b> Average .....	7,588	265	-40	104	7,789	202	161	12
<b>1996</b> Average .....	7,647	336	-12	104	7,891	195	157	13
<b>1997</b> Average .....	7,870	309	26	137	8,017	210	166	12
<b>1998</b> Average .....	8,082	311	15	125	8,253	216	172	14
<b>1999</b> January .....	7,886	313	368	130	7,701	231	183	14
February .....	7,607	393	-136	105	8,031	229	179	16
March .....	7,531	350	-328	81	8,128	217	169	15
April .....	8,138	521	68	85	8,506	218	171	13
May .....	8,207	485	173	100	8,420	225	177	15
June .....	8,402	444	-111	71	8,886	217	173	14
July .....	8,280	471	-280	89	8,942	204	165	13
August.....	8,183	338	-160	101	8,579	201	160	14
September .....	8,187	335	90	128	8,305	207	162	15
October .....	8,266	375	-31	130	8,542	204	161	15
November .....	8,142	299	72	128	8,240	205	164	13
December .....	8,471	260	-305	177	8,859	193	154	14
<b>Average</b> .....	<b>8,111</b>	<b>382</b>	<b>-49</b>	<b>111</b>	<b>8,431</b>	—	—	—
<b>2000</b> January .....	7,798	343	362	127	7,653	208	165	14
February .....	7,658	410	-306	83	8,291	201	156	15
March .....	8,032	403	22	108	8,305	204	157	14
April .....	8,130	472	117	111	8,375	206	161	13
May .....	8,398	441	52	126	8,661	208	162	14
June .....	8,550	451	76	100	8,824	210	165	14
July .....	8,320	435	3	110	8,642	209	165	14
August.....	8,251	426	-438	194	8,921	194	151	13
September .....	8,358	449	106	184	8,518	197	154	13
October .....	8,031	381	-221	217	8,417	188	147	14
November .....	8,394	471	311	170	8,384	198	157	14
December .....	8,298	443	-120	190	8,670	196	153	12
<b>Average</b> .....	<b>8,186</b>	<b>427</b>	<b>-3</b>	<b>144</b>	<b>8,472</b>	—	—	—
<b>2001</b> January .....	7,903	473	188	125	8,064	206	159	12
February .....	7,781	400	-151	128	8,203	206	155	12
March .....	7,963	358	-302	145	8,479	194	146	12
April .....	8,447	458	216	143	8,546	201	152	12
May .....	8,648	456	284	102	8,718	212	161	12
June .....	8,625	490	266	127	8,722	220	169	12
July .....	8,428	446	-230	129	8,974	208	162	13
August.....	8,265	415	-375	117	8,938	193	150	13
September .....	8,383	538	242	115	8,564	206	158	14
October .....	8,410	417	61	156	8,610	207	160	13
November .....	8,321	439	50	107	8,603	212	161	14
December .....	<sup>R</sup> 8,305	<sup>R</sup> 488	<sup>R</sup> 11	<sup>R</sup> 200	<sup>R</sup> 8,582	<sup>R</sup> 209	<sup>R</sup> 161	13
<b>Average</b> .....	<sup>R</sup> <b>8,292</b>	<sup>R</sup> <b>448</b>	<sup>R</sup> <b>21</b>	<sup>R</sup> <b>133</b>	<sup>R</sup> <b>8,586</b>	—	—	—
<b>2002</b> January* .....	<sup>E</sup> 8,141	<sup>E</sup> 431	<sup>E</sup> 233	<sup>E</sup> 128	<sup>E</sup> 8,212	<sup>E</sup> 216	<sup>E</sup> 166	NA

<sup>a</sup> Stocks are totals as of end of period.

<sup>b</sup> Beginning in 1993, motor gasoline production and product supplied includes blending of fuel ethanol and an adjustment to correct for the imbalance of motor gasoline blending components.

<sup>c</sup> Beginning in 1981, excludes blending components.

<sup>d</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase.

<sup>e</sup> Includes motor gasoline blending components but excludes stocks of oxygenates.

<sup>R</sup> = Revised data. <sup>E</sup> = Estimated. NA = Not Available.

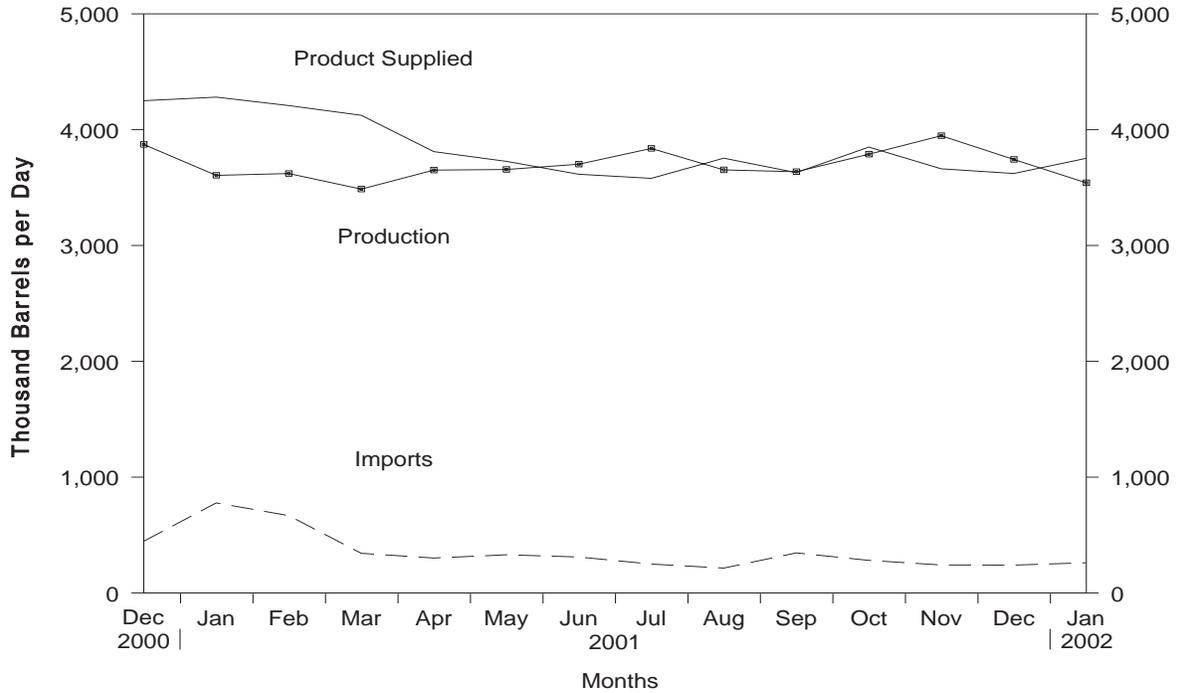
— = Not Applicable.

\* See Summary Statistics Explanatory Note 1.

Notes: • Italics denote estimates based upon preliminary data. • Geographic coverage is the 50 States and the District of Columbia. • Totals may not equal sum of components due to independent rounding.

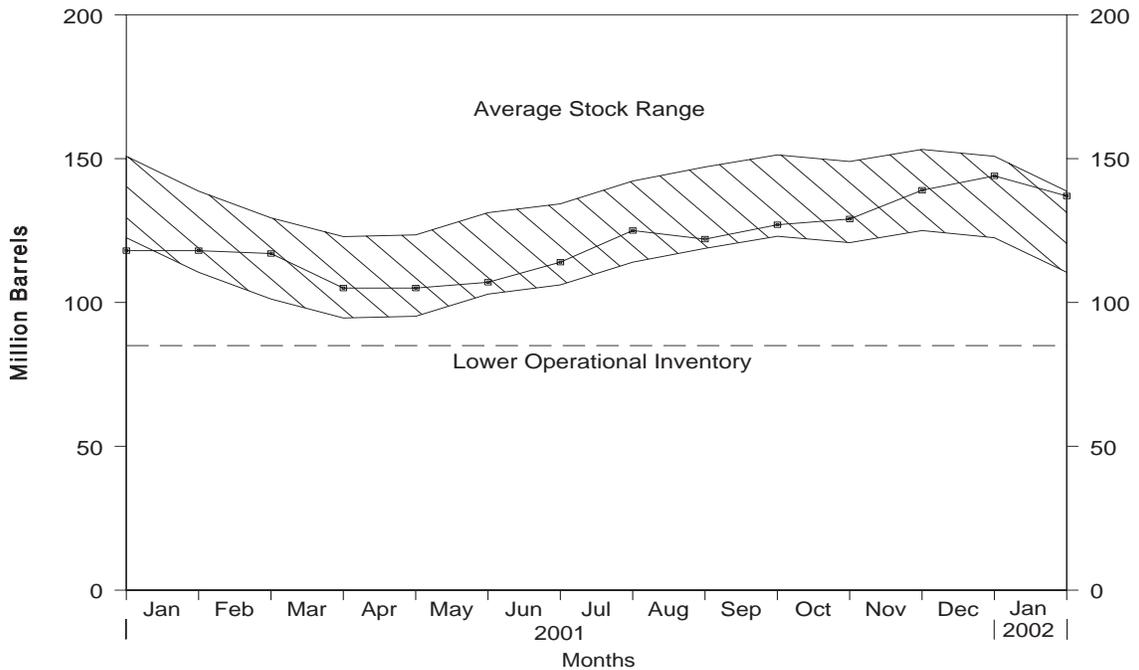
Source: See Summary Statistics Table and Figure Sources.

**Figure S7. Distillate Fuel Oil Supply and Disposition, December 2000 - Present**



Source: Energy Information Administration, *Petroleum Supply Monthly*, Table S5. See Summary Statistics Table and Figure Sources.

**Figure S8. Distillate Fuel Oil Ending Stocks, December 2000 - Present**



Note: The Lower Operational Inventory for distillate fuel oil stocks is 85.0 million barrels.

Source: Energy Information Administration, *Petroleum Supply Monthly*, Table S5. See Summary Statistics Table and Figure Sources.

**Table S5. Distillate Fuel Oil Supply and Disposition, 1986 - Present**  
(Thousand Barrels per Day, Except Where Noted)

Year/Month	Supply		Disposition			Ending Stocks <sup>a</sup> (Million Barrels)		
	Total Production	Imports	Stock Change <sup>b</sup>	Exports	Product Supplied	Total	0.05% Sulfur and Under	Greater than 0.05% Sulfur
<b>1986</b> Average .....	2,798	247	31	100	2,914	155	—	—
<b>1987</b> Average .....	2,731	255	-56	66	2,976	134	—	—
<b>1988</b> Average .....	2,859	302	-30	69	3,122	124	—	—
<b>1989</b> Average .....	2,899	306	-49	97	3,157	106	—	—
<b>1990</b> Average .....	2,925	278	73	109	3,021	132	—	—
<b>1991</b> Average .....	2,962	205	31	215	2,921	144	—	—
<b>1992</b> Average .....	2,974	216	-8	219	2,979	141	—	—
<b>1993</b> Average .....	3,132	184	1	274	3,041	141	64	77
<b>1994</b> Average .....	3,205	203	12	234	3,162	145	73	73
<b>1995</b> Average .....	3,155	193	-41	183	3,207	130	67	63
<b>1996</b> Average .....	3,316	230	-10	190	3,365	127	68	58
<b>1997</b> Average .....	3,392	228	32	152	3,435	138	68	70
<b>1998</b> Average .....	3,424	210	48	124	3,461	156	77	79
<b>1999</b> January .....	3,176	304	-426	117	3,788	143	74	69
February .....	3,253	322	-83	116	3,542	141	73	67
March .....	3,183	248	-513	159	3,785	125	69	56
April .....	3,407	213	14	191	3,415	125	68	57
May .....	3,458	261	219	187	3,314	132	70	62
June .....	3,374	238	25	180	3,407	133	68	65
July .....	3,521	234	153	123	3,479	137	71	66
August.....	3,419	273	126	130	3,437	141	69	73
September .....	3,482	249	139	162	3,431	145	73	72
October .....	3,506	216	-219	192	3,749	139	69	69
November .....	3,608	265	94	170	3,608	141	72	69
December .....	3,401	188	-514	212	3,892	125	69	56
<b>Average</b> .....	<b>3,399</b>	<b>250</b>	<b>-84</b>	<b>162</b>	<b>3,572</b>	—	—	—
<b>2000</b> January .....	3,123	218	-609	132	3,818	107	66	41
February .....	3,348	510	-49	112	3,794	105	64	41
March .....	3,342	260	-302	211	3,693	96	60	36
April .....	3,533	234	135	178	3,455	100	66	34
May .....	3,650	316	158	127	3,681	105	67	38
June .....	3,481	258	41	149	3,549	106	68	38
July .....	3,520	199	219	132	3,369	113	72	41
August.....	3,678	234	-67	253	3,726	111	66	44
September .....	3,844	283	147	194	3,786	115	68	47
October .....	3,774	259	66	255	3,712	117	68	49
November .....	3,785	332	97	191	3,829	120	71	49
December .....	3,872	447	-65	135	4,250	118	72	46
<b>Average</b> .....	<b>3,580</b>	<b>295</b>	<b>-20</b>	<b>173</b>	<b>3,722</b>	—	—	—
<b>2001</b> January .....	3,606	778	5	97	4,281	118	68	50
February .....	3,621	668	-35	116	4,208	117	70	47
March .....	3,487	343	-395	101	4,124	105	68	37
April .....	3,651	302	3	139	3,811	105	67	38
May .....	3,656	330	77	181	3,727	107	64	43
June .....	3,702	311	231	167	3,615	114	68	46
July .....	3,838	250	346	162	3,580	125	74	51
August.....	3,653	215	-101	216	3,754	122	68	54
September .....	3,637	346	153	201	3,629	127	71	55
October .....	3,788	282	67	153	3,850	129	69	60
November .....	3,948	242	339	189	3,662	139	75	64
December .....	R 3,743	R 241	R 161	R 202	R 3,622	R 144	R 81	62
<b>Average</b> .....	<b>R 3,694</b>	<b>R 357</b>	<b>R 71</b>	<b>R 161</b>	<b>R 3,820</b>	—	—	—
<b>2002</b> January* .....	E 3,541	E 261	E .95	E 143	E 3,753	E 137	E 80	E 57

<sup>a</sup> Stocks are totals as of end of period. Distillate stocks located in the "Northeast Heating Oil Reserve" are not included. For details see Appendix E.

<sup>b</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase. Distillate stocks located in the "Northeast Heating Oil Reserve" are not included. For details see Appendix E.

R = Revised data. E = Estimated.

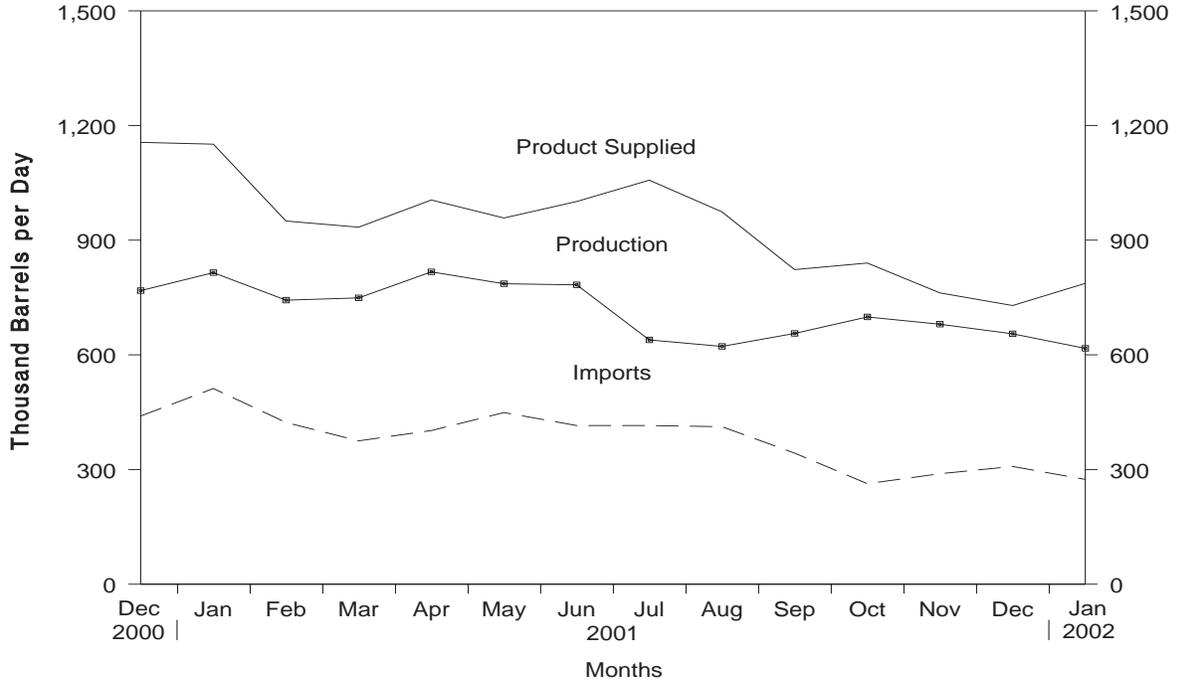
— = Not Applicable.

\* See Summary Statistics Explanatory Note 1.

Notes: • Italics denote estimates based upon preliminary data. • Geographic coverage is the 50 States and the District of Columbia. • Totals may not equal sum of components due to independent rounding.

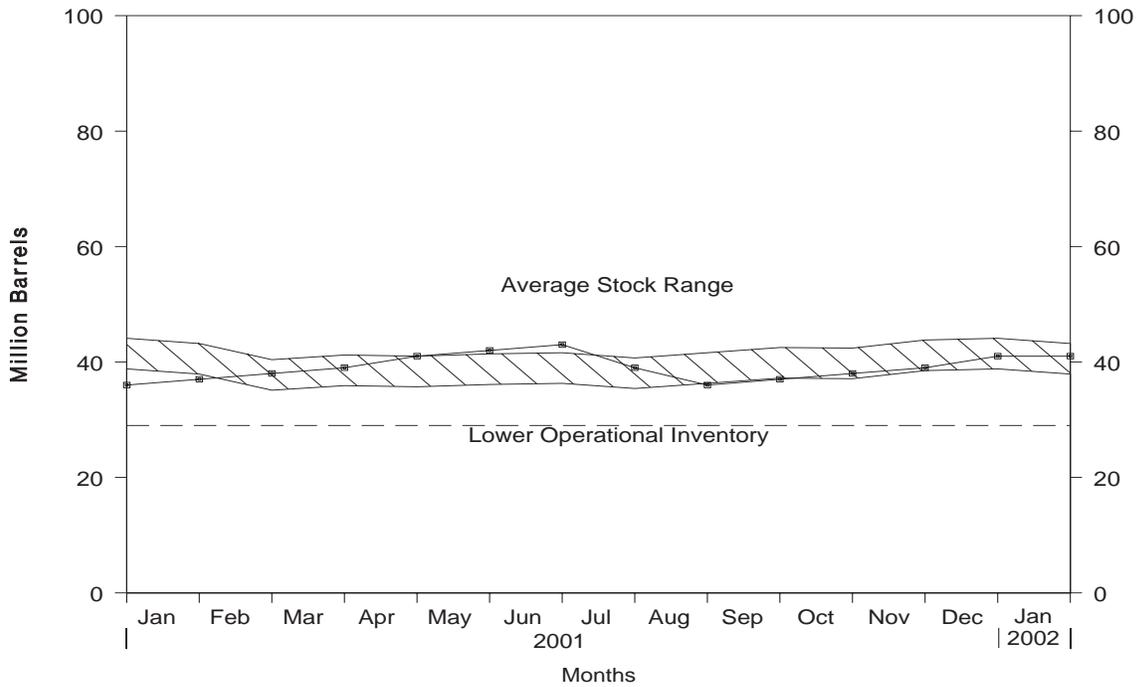
Source: See Summary Statistics Table and Figure Sources.

**Figure S9. Residual Fuel Oil Supply and Disposition, December 2000 - Present**



Source: Energy Information Administration, *Petroleum Supply Monthly*, Table S6. See Summary Statistics Table and Figure Sources.

**Figure S10. Residual Fuel Oil Ending Stocks, December 2000 - Present**



Note: The Lower Operational Inventory for residual fuel oil stocks is 29.0 million barrels.

Source: Energy Information Administration, *Petroleum Supply Monthly*, Table S6. See Summary Statistics Table and Figure Sources.

**Table S6. Residual Fuel Oil Supply and Disposition, 1986 - Present**  
(Thousand Barrels per Day, Except Where Noted)

Year/Month	Supply		Disposition			Ending Stocks <sup>b</sup> (Million Barrels)
	Total Production	Imports	Stock Change <sup>a</sup>	Exports	Product Supplied	
<b>1986</b> Average .....	889	669	-8	147	1,418	47
<b>1987</b> Average .....	885	565	(s)	186	1,264	47
<b>1988</b> Average .....	926	644	-8	200	1,378	45
<b>1989</b> Average .....	954	629	-2	215	1,370	44
<b>1990</b> Average .....	950	504	13	211	1,229	49
<b>1991</b> Average .....	934	453	4	226	1,158	50
<b>1992</b> Average .....	892	375	-20	193	1,094	43
<b>1993</b> Average .....	835	373	4	123	1,080	44
<b>1994</b> Average .....	826	314	-6	125	1,021	42
<b>1995</b> Average .....	788	187	-13	136	852	37
<b>1996</b> Average .....	726	248	24	102	848	46
<b>1997</b> Average .....	708	194	-15	120	797	40
<b>1998</b> Average .....	762	275	12	138	887	45
<b>1999</b> January .....	775	218	-33	133	893	44
February .....	726	248	-62	70	967	42
March .....	683	249	-84	72	943	40
April .....	679	234	26	185	702	40
May .....	725	334	9	153	898	41
June .....	706	228	63	151	721	42
July .....	736	261	62	182	753	44
August .....	701	236	-183	124	996	39
September .....	702	258	68	136	756	41
October .....	658	183	-7	130	719	41
November .....	596	222	-5	60	763	40
December .....	690	168	-147	154	852	36
<b>Average</b> .....	<b>698</b>	<b>237</b>	<b>-25</b>	<b>129</b>	<b>830</b>	—
<b>2000</b> January .....	640	336	10	137	830	36
February .....	627	316	-60	149	854	34
March .....	649	269	66	167	685	36
April .....	620	267	-37	139	784	35
May .....	640	265	63	123	719	37
June .....	679	390	-8	133	945	37
July .....	741	409	-54	113	1,091	35
August .....	760	333	57	94	941	37
September .....	702	360	19	148	895	38
October .....	747	497	-87	221	1,110	35
November .....	778	341	133	100	885	39
December .....	768	440	-90	143	1,156	36
<b>Average</b> .....	<b>696</b>	<b>352</b>	<b>1</b>	<b>139</b>	<b>909</b>	—
<b>2001</b> January .....	815	512	35	141	1,151	37
February .....	743	423	46	171	950	38
March .....	749	375	24	166	934	39
April .....	817	402	54	160	1,005	41
May .....	786	449	54	224	958	42
June .....	783	415	12	185	1,001	43
July .....	639	415	-117	113	1,057	39
August .....	622	412	-114	174	974	36
September .....	656	343	51	125	823	37
October .....	699	263	26	97	840	38
November .....	680	289	41	166	762	39
December .....	R 655	R 308	R 61	R 173	R 729	R 41
<b>Average</b> .....	<b>720</b>	<b>384</b>	<b>R 14</b>	<b>R 158</b>	<b>R 932</b>	—
<b>2002</b> January* .....	E 617	E 274	E -33	E 137	E 787	E 41

<sup>a</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase.

<sup>b</sup> Stocks are totals as of end of period.

R = Revised data. (s) = Less than 500 barrels per day. E = Estimated.

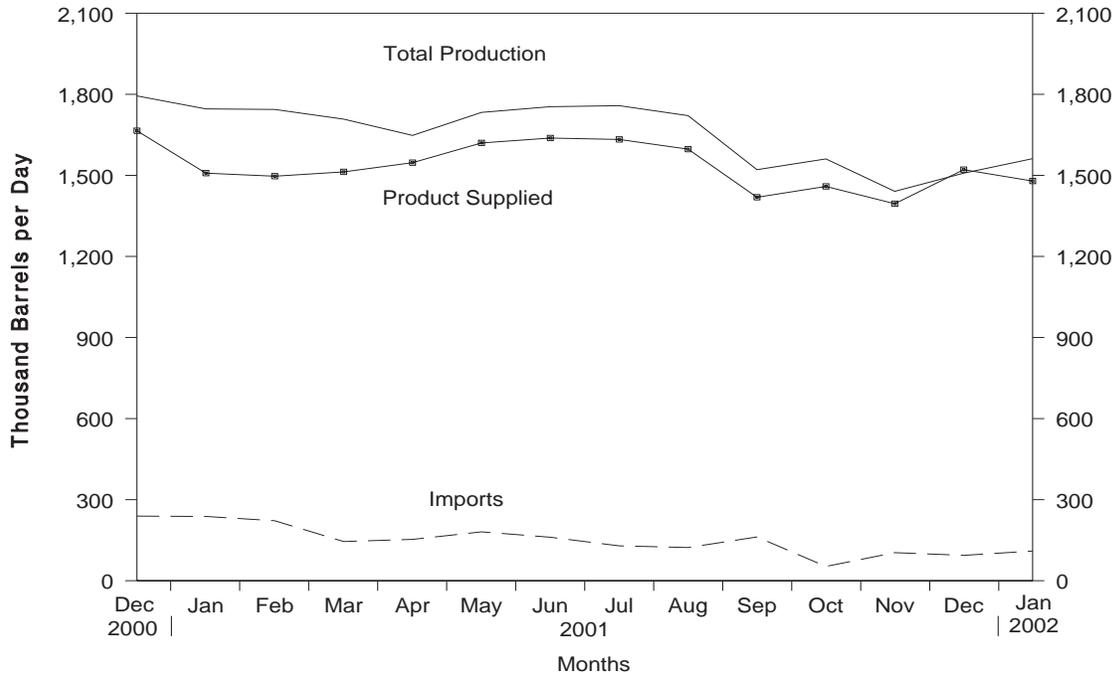
— = Not Applicable.

\* See Summary Statistics Explanatory Note 1.

Notes: • Italics denote estimates based upon preliminary data. • Geographic coverage is the 50 States and the District of Columbia. • Totals may not equal sum of components due to independent rounding.

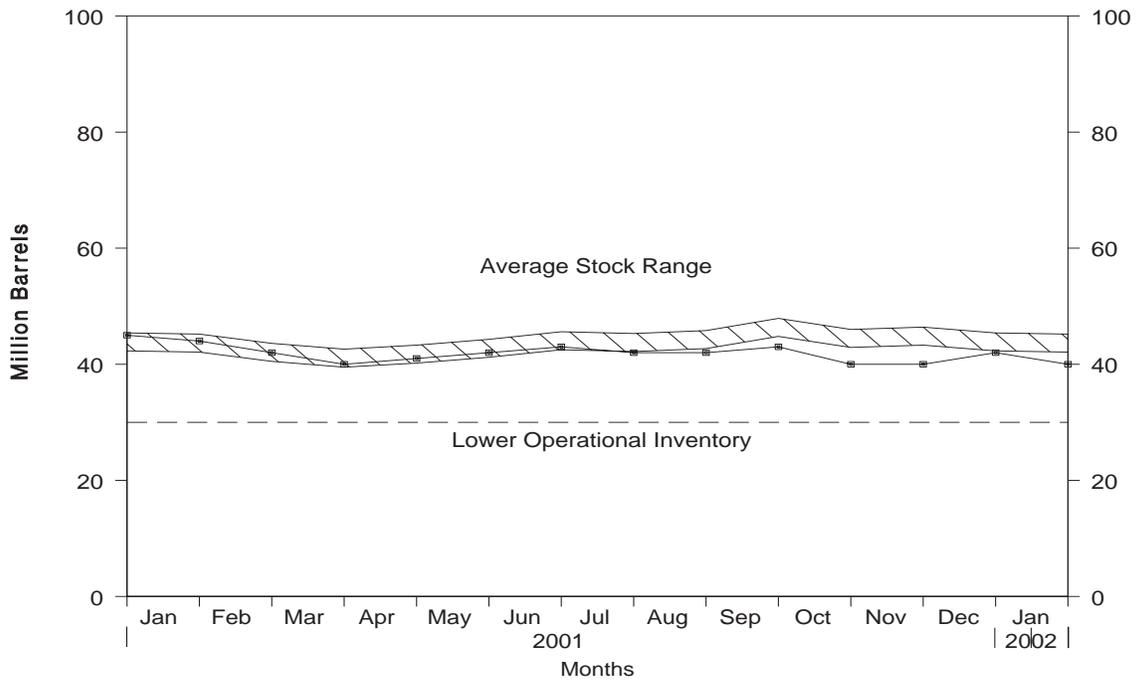
Source: See Summary Statistics Table and Figure Sources.

**Figure S11. Jet Fuel Supply and Disposition, December 2000 - Present**



Source: Energy Information Administration, *Petroleum Supply Monthly*, Table S7. See Summary Statistics Table and Figure Sources.

**Figure S12. Jet Fuel Ending Stocks, December 2000 - Present**



Note: The Lower Operational Inventory for total jet fuel stocks is 30.0 million barrels.  
 Source: Energy Information Administration, *Petroleum Supply Monthly*, Table S7. See Summary Statistics Table and Figure Sources.

**Table S7. Jet Fuel Supply and Disposition, 1986 - Present**  
(Thousand Barrels per Day, Except Where Noted)

Year/Month	Supply			Disposition				Ending Stocks <sup>a</sup> (Million Barrels)		
	Production		Imports	Stock Change <sup>b</sup>	Exports	Product Supplied		Total	Kerosene-Type	
	Total	Kerosene-Type				Total	Kerosene-Type			
1986	Average	1,293	1,097	57	25	18	1,307	1,105	50	43
1987	Average	1,343	1,138	67	(s)	24	1,385	1,181	50	42
1988	Average	1,370	1,164	90	-17	28	1,449	1,236	44	38
1989	Average	1,403	1,197	106	-8	27	1,489	1,284	41	34
1990	Average	1,488	1,311	108	31	43	1,522	1,340	52	46
1991	Average	1,438	1,274	67	-9	43	1,471	1,296	49	44
1992	Average	1,399	1,254	82	-16	43	1,454	1,310	43	39
1993	Average	1,422	1,309	100	-7	59	1,469	1,357	40	38
1994	Average	1,448	1,410	117	18	20	1,527	1,480	47	46
1995	Average	1,416	1,407	106	-19	26	1,514	1,497	40	39
1996	Average	1,515	1,513	111	(s)	48	1,578	1,575	40	40
1997	Average	1,554	1,554	91	11	35	1,599	1,598	44	44
1998	Average	1,526	1,525	124	2	26	1,622	1,623	45	45
1999	January	1,594	1,594	132	3	26	1,697	1,698	45	45
	February	1,567	1,566	157	26	9	1,689	1,689	46	45
	March	1,521	1,520	85	-109	23	1,691	1,692	42	42
	April	1,642	1,641	162	126	29	1,647	1,652	46	46
	May	1,545	1,545	148	51	33	1,609	1,609	48	47
	June	1,542	1,541	65	-60	36	1,631	1,640	46	46
	July	1,551	1,550	155	22	39	1,644	1,648	46	46
	August	1,575	1,575	176	3	9	1,739	1,739	47	46
	September	1,600	1,600	152	74	34	1,643	1,645	49	49
	October	1,501	1,500	97	-154	28	1,724	1,725	44	44
	November	1,530	1,530	82	-89	64	1,637	1,640	41	41
	December	1,616	1,615	128	-25	53	1,717	1,717	41	40
	Average	1,565	1,565	128	-11	32	1,673	1,675	—	—
2000	January	1,595	1,595	122	99	13	1,604	1,604	44	44
	February	1,450	1,450	173	-70	17	1,676	1,677	42	41
	March	1,561	1,561	120	-35	33	1,683	1,682	40	40
	April	1,615	1,615	127	28	37	1,677	1,677	41	41
	May	1,589	1,589	144	28	35	1,669	1,669	42	42
	June	1,600	1,600	194	52	27	1,715	1,715	44	44
	July	1,650	1,649	125	-25	21	1,779	1,779	43	43
	August	1,636	1,636	221	-8	19	1,846	1,846	43	43
	September	1,644	1,643	128	-13	34	1,750	1,750	42	42
	October	1,645	1,645	186	12	42	1,778	1,778	43	43
	November	1,620	1,620	162	-11	64	1,729	1,729	42	42
	December	1,665	1,665	239	71	39	1,794	1,796	45	44
	Average	1,606	1,606	162	11	32	1,725	1,725	—	—
2001	January	1,508	1,508	238	-27	27	1,746	1,747	44	44
	February	1,497	1,497	222	-44	18	1,744	1,743	42	42
	March	1,513	1,513	145	-91	41	1,708	1,708	40	40
	April	1,547	1,546	153	35	17	1,648	1,648	41	41
	May	1,620	1,619	181	52	17	1,733	1,735	42	42
	June	1,638	1,637	161	26	18	1,754	1,755	43	43
	July	1,633	1,633	129	-20	23	1,758	1,755	42	42
	August	1,597	1,597	123	-25	24	1,721	1,724	42	42
	September	1,419	1,419	162	40	21	1,521	1,519	43	43
	October	1,459	1,459	53	-80	31	1,561	1,560	40	40
	November	1,395	1,394	104	-7	64	1,441	1,442	40	40
	December	R 1,521	R 1,521	R 94	R 57	R 51	R 1,508	R 1,514	R 42	R 42
	Average	R 1,529	R 1,529	147	R -7	R 29	R 1,654	R 1,654	—	—
2002	January*	E 1,479	E 1,479	E 110	E -5	E 32	E 1,562	E 1,562	E 40	E 40

<sup>a</sup> Stocks are totals as of end of period.

<sup>b</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase.

R = Revised data. (s) = Less than 500 barrels per day. E = Estimated.

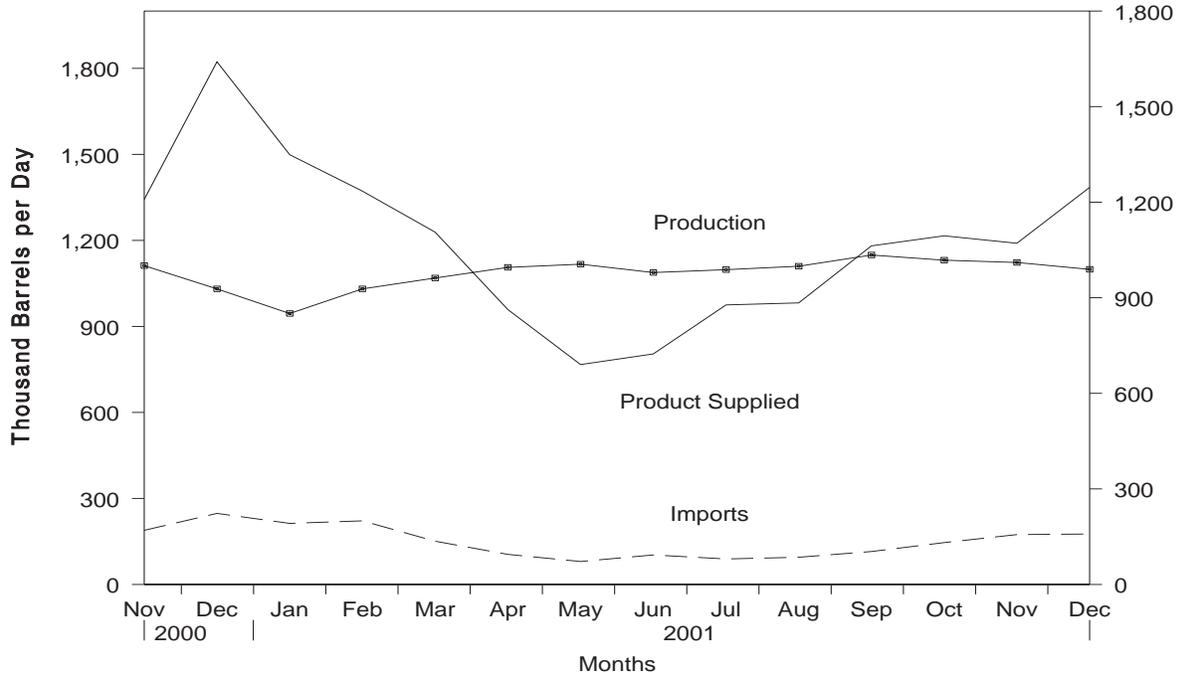
— = Not Applicable.

\* See Summary Statistics Explanatory Note 1.

Notes: • Italics denote estimates based upon preliminary data. • Geographic coverage is the 50 States and the District of Columbia. • Totals may not equal sum of components due to independent rounding.

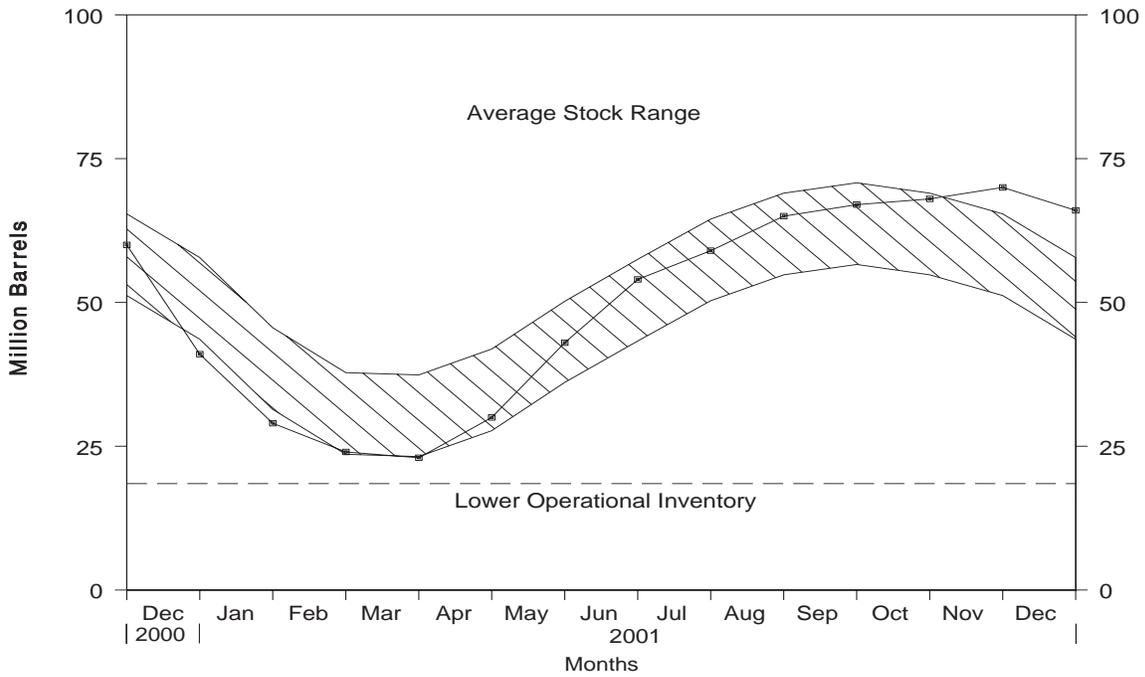
Source: See Summary Statistics Table and Figure Sources.

**Figure S13. Propane/Propylene Supply and Disposition, November 2000 - Present**



Source: Energy Information Administration, *Petroleum Supply Monthly*, Table S8. See Summary Statistics Table and Figure Sources.

**Figure S14. Propane/Propylene Ending Stocks, November 2000 - Present**



Note: The Lower Operational Inventory for propane stocks is 18.5 million barrels.  
 Source: Energy Information Administration, *Petroleum Supply Monthly*, Table S8. See Summary Statistics Table and Figure Sources.

**Table S8. Propane/Propylene Supply and Disposition, 1986 - Present**  
(Thousand Barrels per Day, Except Where Noted)

Year/Month	Supply		Disposition				Ending Stocks <sup>b</sup> (Million Barrels)
	Total Production	Imports	Stock Change <sup>a</sup>	Refinery Inputs	Exports	Product Supplied	
<b>1986</b> Average .....	817	110	64	4	28	831	63
<b>1987</b> Average .....	828	88	-41	8	24	924	48
<b>1988</b> Average .....	863	106	7	8	31	923	50
<b>1989</b> Average .....	862	111	-52	11	24	990	32
<b>1990</b> Average .....	878	115	48	(s)	28	917	49
<b>1991</b> Average .....	915	91	-3	(s)	28	982	48
<b>1992</b> Average .....	956	85	-24	(s)	33	1,032	39
<b>1993</b> Average .....	963	103	34	(s)	26	1,006	51
<b>1994</b> Average .....	969	124	-13	0	24	1,082	46
<b>1995</b> Average .....	1,021	102	-10	0	38	1,096	43
<b>1996</b> Average .....	1,044	119	(s)	0	28	1,136	43
<b>1997</b> Average .....	1,092	113	3	0	32	1,170	44
<b>1998</b> Average .....	1,064	137	56	0	25	1,120	65
<b>1999</b> January .....	1,041	118	-550	0	50	1,659	48
February .....	1,050	125	-133	0	41	1,267	44
March .....	1,031	135	-240	0	19	1,388	36
April .....	1,073	116	126	0	13	1,051	40
May .....	1,085	98	183	0	20	979	46
June .....	1,105	92	156	0	23	1,018	51
July .....	1,107	122	213	0	27	988	57
August .....	1,112	113	108	0	32	1,086	60
September .....	1,134	108	-34	0	20	1,256	59
October .....	1,132	125	-93	0	65	1,286	57
November .....	1,127	136	-64	0	34	1,293	55
December .....	1,169	178	-375	0	49	1,672	43
<b>Average</b> .....	<b>1,097</b>	<b>122</b>	<b>-59</b>	<b>0</b>	<b>33</b>	<b>1,246</b>	—
<b>2000</b> January .....	1,133	244	-439	0	94	1,723	29
February .....	1,127	221	-215	0	53	1,510	23
March .....	1,136	142	-19	0	84	1,213	23
April .....	1,143	125	101	0	62	1,105	26
May .....	1,153	102	347	0	27	881	36
June .....	1,163	132	252	0	40	1,002	44
July .....	1,133	125	278	0	28	951	53
August .....	1,123	124	166	0	55	1,026	58
September .....	1,110	114	87	0	41	1,096	60
October .....	1,103	167	80	0	41	1,149	63
November .....	1,112	189	-97	0	55	1,343	60
December .....	1,031	248	-603	0	58	1,823	41
<b>Average</b> .....	<b>1,122</b>	<b>161</b>	<b>-5</b>	<b>0</b>	<b>53</b>	<b>1,235</b>	—
<b>2001</b> January .....	945	213	-403	0	62	1,499	29
February .....	1,031	222	-160	0	41	1,372	24
March .....	1,069	151	-31	0	22	1,229	23
April .....	1,106	105	234	0	18	959	30
May .....	1,117	80	415	0	15	767	43
June .....	1,088	103	355	0	32	804	54
July .....	1,098	89	170	0	42	975	59
August .....	1,110	95	195	0	27	982	65
September .....	1,149	115	56	0	27	1,181	67
October .....	1,131	146	34	0	26	1,216	68
November .....	1,123	174	81	0	26	1,190	70
December .....	1,099	176	-144	0	35	1,385	66
<b>Average</b> .....	<b>1,089</b>	<b>139</b>	<b>67</b>	<b>0</b>	<b>31</b>	<b>1,129</b>	—

<sup>a</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase.

<sup>b</sup> Stocks are totals as of end of period.

<sup>c</sup> In January 1981, 1983, and 1984, a new stock basis was established affecting stocks reported and stock change calculations. Stock changes are calculated using new basis stock levels. See Summary Statistics Explanatory Note 4.

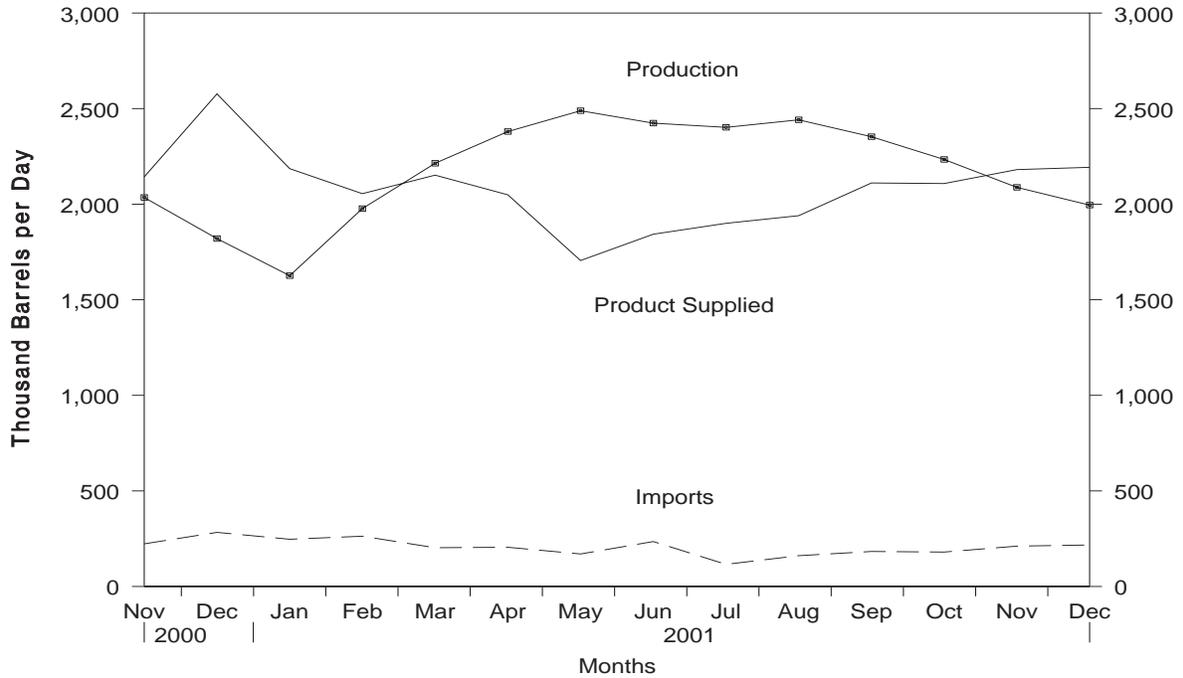
(s) = Less than 500 barrels per day.

— = Not Applicable.

Notes: • Geographic coverage is the 50 States and the District of Columbia. • Totals may not equal sum of components due to independent rounding.

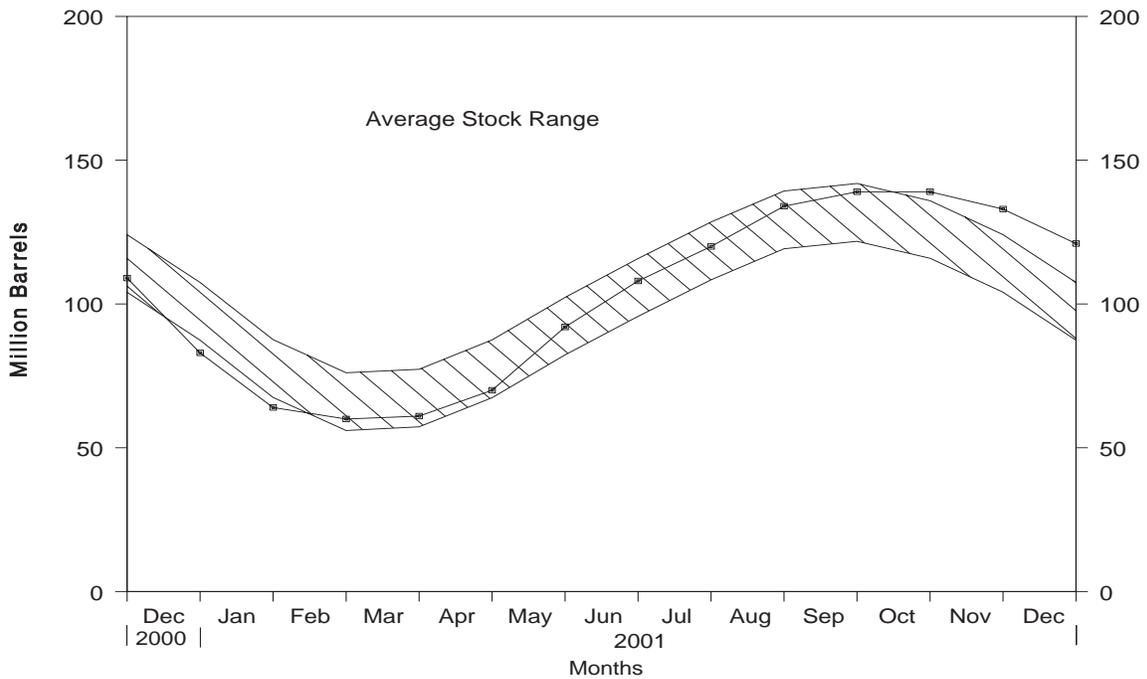
Source: See Summary Statistics Table and Figure Sources.

**Figure S15. Liquefied Petroleum Gases Supply and Disposition, November 2000 - Present**



Source: Energy Information Administration, *Petroleum Supply Monthly*, Table S9. See Summary Statistics Table and Figure Sources.

**Figure S16. Liquefied Petroleum Gases Ending Stocks, November 2000 - Present**



Source: Energy Information Administration, *Petroleum Supply Monthly*, Table S9. See Summary Statistics Table and Figure Sources.

**Table S9. Liquefied Petroleum Gases Supply and Disposition, 1986 - Present**  
(Thousand Barrels per Day, Except Where Noted)

Year/Month	Supply		Disposition				Ending Stocks <sup>b</sup> (Million Barrels)
	Total Production	Imports	Stock Change <sup>a</sup>	Refinery Inputs	Exports	Product Supplied	
<b>1986</b> Average .....	1,695	242	80	302	42	1,512	103
<b>1987</b> Average .....	1,748	190	-15	304	38	1,612	97
<b>1988</b> Average .....	1,817	209	1	321	49	1,656	97
<b>1989</b> Average .....	1,791	181	-47	315	35	1,668	80
<b>1990</b> Average .....	1,749	188	48	293	40	1,556	98
<b>1991</b> Average .....	1,871	147	-15	304	41	1,689	92
<b>1992</b> Average .....	1,972	131	-10	309	49	1,755	89
<b>1993</b> Average .....	1,993	160	49	327	43	1,734	106
<b>1994</b> Average .....	2,012	183	-19	296	38	1,880	99
<b>1995</b> Average .....	2,082	146	-17	289	58	1,899	93
<b>1996</b> Average .....	2,156	166	-19	278	51	2,012	86
<b>1997</b> Average .....	2,190	169	9	263	50	2,038	89
<b>1998</b> Average .....	2,124	194	70	253	42	1,952	115
<b>1999</b> January .....	1,871	173	-757	308	75	2,417	92
February .....	1,987	163	-311	254	64	2,142	83
March .....	2,144	172	-200	225	32	2,258	77
April .....	2,355	165	276	201	21	2,023	85
May .....	2,340	177	424	196	33	1,864	98
June .....	2,402	164	331	177	37	2,021	108
July .....	2,435	204	354	177	39	2,068	119
August .....	2,402	172	259	179	47	2,089	127
September .....	2,329	155	-89	223	58	2,293	124
October .....	2,223	182	-273	275	81	2,322	116
November .....	2,121	199	-151	306	47	2,118	111
December .....	2,143	250	-712	334	61	2,710	89
<b>Average</b> .....	<b>2,230</b>	<b>182</b>	<b>-71</b>	<b>238</b>	<b>50</b>	<b>2,195</b>	—
<b>2000</b> January .....	2,195	315	-696	321	101	2,784	68
February .....	2,268	281	-359	281	81	2,546	57
March .....	2,395	190	6	231	109	2,239	58
April .....	2,524	169	330	174	75	2,114	67
May .....	2,530	157	548	175	38	1,927	84
June .....	2,528	209	410	179	69	2,079	97
July .....	2,511	193	486	180	63	1,976	112
August .....	2,479	195	333	182	76	2,084	122
September .....	2,259	164	84	230	62	2,046	125
October .....	2,169	201	-225	273	65	2,257	118
November .....	2,035	223	-299	342	72	2,143	109
December .....	1,820	283	-843	288	81	2,577	83
<b>Average</b> .....	<b>2,310</b>	<b>215</b>	<b>-19</b>	<b>238</b>	<b>74</b>	<b>2,231</b>	—
<b>2001</b> January .....	1,626	247	-647	259	75	2,186	64
February .....	1,977	263	-129	255	59	2,055	60
March .....	2,214	203	27	206	33	2,152	61
April .....	2,380	205	296	205	35	2,049	70
May .....	2,489	170	707	215	31	1,705	92
June .....	2,424	235	564	196	56	1,843	108
July .....	2,402	116	373	194	51	1,900	120
August .....	2,441	161	440	188	34	1,940	134
September .....	2,353	183	167	222	35	2,111	139
October .....	2,234	180	19	250	37	2,108	139
November .....	2,088	211	-221	303	37	2,181	133
December .....	1,995	217	-362	338	43	2,193	121
<b>Average</b> .....	<b>2,220</b>	<b>199</b>	<b>104</b>	<b>236</b>	<b>44</b>	<b>2,035</b>	—

<sup>a</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase.

<sup>b</sup> Stocks are totals as of end of period.

<sup>c</sup> In January 1981, 1983, and 1984, a new stock basis was established affecting stocks reported and stock change calculations. Stock changes are calculated using new basis stock levels. See Summary Statistics Explanatory Note 4.

— = Not Applicable.

Notes: • Liquefied petroleum gases includes ethane/ethylene, propane/propylene, normal butane/butylene, and isobutane/isobutylene. • Beginning in January 1984, unfractionated stream, is reported by individual product. • Geographic coverage is the 50 States and the District of Columbia. • Totals may not equal sum of components due to independent rounding.

Source: See Summary Statistics Table and Figure Sources.

**Table S10. Other Petroleum Products Supply and Disposition, 1986 - Present**  
(Thousand Barrels per Day, Except Where Noted)

Year/Month	Supply		Disposition				Ending Stocks <sup>b</sup> (Million Barrels)	
	Total Production	Imports	Stock Change <sup>a</sup>	Refinery Inputs	Exports	Products Supplied		
1986	Average	2,704	504	-15	888	291	2,045	201
1987	Average	2,737	543	-1	829	264	2,187	200
1988	Average	2,773	645	22	799	294	2,303	208
1989	Average	2,771	627	12	797	305	2,285	213
1990	Average	2,842	705	-32	887	289	2,402	201
1991	Average	2,826	675	18	936	277	2,269	208
1992	Average	2,928	707	-3	906	263	2,470	207 <sup>c</sup>
1993	Average	3,035	770	-2	1,081	300	2,426	206
1994	Average	2,973	761	24	861	329	2,518	215
1995	Average	3,031	708	-23	958	348	2,457	206
1996	Average	3,108	879	-11	1,014	376	2,608	202
1997	Average	3,204	945	30	985	402	2,733	213
1998	Average	3,253	888	18	1,002	380	2,741	219
1999	January	3,097	891	390	759	307	2,532	232
	February	3,159	900	276	775	272	2,736	239
	March	3,145	815	375	593	302	2,691	251
	April	3,108	1,067	-76	1,041	352	2,859	249
	May	3,363	1,007	21	1,427	321	2,602	249
	June	3,216	1,132	-520	1,387	311	3,170	234
	July	3,271	981	-302	1,295	325	2,935	224
	August	3,465	1,040	-190	1,083	359	3,253	218
	September	3,373	981	-139	1,094	345	3,054	214
	October	3,124	929	-192	1,105	327	2,812	208
	November	3,120	743	-110	856	396	2,722	205
	December	3,083	835	-292	1,300	439	2,470	196
	Average	3,211	943	-64	1,061	338	2,819	—
2000	January	2,802	977	314	808	319	2,338	206
	February	2,945	994	358	710	397	2,473	216
	March	3,001	1,019	205	817	387	2,612	222
	April	3,146	948	174	1,041	468	2,411	228
	May	3,272	1,009	-158	1,117	372	2,949	223
	June	3,427	997	-143	1,188	438	2,941	218
	July	3,454	828	38	959	446	2,839	220
	August	3,341	826	-328	1,095	421	2,979	210
	September	3,319	1,032	-159	1,192	415	2,904	205
	October	3,202	797	-9	998	484	2,525	204
	November	3,135	868	8	1,128	509	2,358	205
	December	2,798	971	76	835	490	2,368	207
	Average	3,154	938	30	991	429	2,642	—
2001	January	2,704	1,079	394	434	483	2,471	220
	February	2,982	1,003	566	482	499	2,438	236
	March	2,806	1,040	158	770	424	2,495	240
	April	2,946	971	16	919	451	2,531	241
	May	3,078	1,003	-57	1,024	465	2,650	239
	June	3,205	986	-240	1,327	430	2,674	232
	July	3,193	814	-342	1,340	393	2,615	221
	August	3,162	898	-288	1,100	492	2,757	212
	September	3,183	872	263	1,025	334	2,434	220
	October	3,068	878	-228	1,019	473	2,682	213
	November	3,113	934	120	923	402	2,602	217
	December	2,851	791	-96	939	370	2,429	214
	Average	3,024	939	17	945	434	2,566	—

<sup>a</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase.

<sup>b</sup> Stocks are totals as of end of period.

<sup>c</sup> In January 1981, 1983, and 1984, a new stock basis was established affecting stocks reported and stock change calculations. Stock changes are calculated using new basis stock levels. Bulk terminal, pipeline, and merchant-producer stocks of oxygenates were added beginning in January 1993. See Summary Statistics Explanatory Note 4.

— = Not Applicable.

Notes: • Other petroleum products includes pentanes plus, other hydrocarbons and oxygenates, unfinished oils, gasoline blending components and all finished petroleum products except finished motor gasoline, distillate fuel oil, residual fuel oil, jet fuel, liquefied petroleum gases, and crude oil product supplied.

• Geographic coverage is the 50 States and the District of Columbia. • Totals may not equal sum of components due to independent rounding.

Source: See Summary Statistics Table and Figure Sources.

# Summary Statistics Tables and Figures Sources

Information about petroleum supply and disposition at the National level are presented in the Summary Statistics tables. Industry terminology and product definitions are listed alphabetically in the Glossary.

The data presented in these tables are from several sources and represent different levels of timeliness and data finality.

- U.S. Department of Energy, Energy Information Administration (EIA), *Petroleum Supply Annual* (1986 through 2000).
- EIA, *Petroleum Supply Monthly* (January 1994 through December 2001).
- EIA, Weekly Petroleum Supply Reporting System (except domestic crude oil production) (January 2002). A more detailed explanation is provided in Summary Statistics Explanatory Note 1.
- Domestic crude oil production estimate is based on historical statistics from State conservation agencies and the Minerals Management Service of the U.S. Department of the Interior. (January 1994 through January 2002). Refer to Summary Statistics Explanatory Note 2 for a more detailed explanation.

# Summary Statistics Explanatory Notes

The following explanatory notes are provided to assist in understanding and interpreting the data presented in the Summary Statistics section of this publication.

## Note 1. Preliminary Monthly Statistics Derivation

Data collected from the Weekly Petroleum Supply Reporting System (WPSRS) are used to develop estimates of the most current monthly quantities. The forms that comprise the WPSRS are:

<u>Form Number</u>	<u>Name</u>
EIA-800	“Weekly Refinery Report”
EIA-801	“Weekly Bulk Terminal Report”
EIA-802	“Weekly Product Pipeline Report”
EIA-803	“Weekly Crude Oil Stocks Report”
EIA-804	“Weekly Imports Report”

A sample of all petroleum companies report weekly data to the Energy Information Administration (EIA) on crude oil and petroleum products stocks, refinery inputs and production, and crude oil and petroleum product imports. The sample of companies that report weekly is selected from the universe of companies that report on the comparable monthly surveys.

The sampling procedure used for the weekly system is the cut-off method. In the cut-off method, companies are ranked from largest to smallest on the basis of the quantities reported during a 12-month period. Companies are chosen for the sample beginning with the largest companies with additional companies added until the total sample coverage represents a minimum of 90 percent of each item by geographic region being measured. All monthly-from-weekly estimates are shown in italics.

In calculating monthly estimates based upon weekly submissions, an interpolation process is used to make the weekly figures comparable to the monthly. The interpolation process is designed to resolve the timing differences between the weekly and the monthly systems — the time-of-day of reporting periods and the day-of-month of reporting periods. The end of the weekly reporting period (exactly 1 week long) is 7 a.m. Friday. The end of the monthly reporting period (one calendar month long) is 12 midnight on the last day of the month. To resolve the difference in the time-of-day of the weekly and monthly reporting periods, it is assumed that there is no activity during the period 12 midnight Thursday through

7 a.m. Friday. Thus, for the purposes of interpolation, the weekly system reporting period is assumed to end at 12 midnight on Thursday. The resolution of the day-of-month differences depends on whether the series is a cumulative one (such as production and imports) or a value at a fixed point-in-time (i.e., stocks).

For cumulative items (all items except stocks) the following method is used to calculate a monthly-from-weekly figure for a given month. First, a weight is assigned to each week in the month based on the number of days in that week that are in the month. (All intermediate weeks in a month will have a weight of seven; the beginning and ending weeks in the month may have a weight of less than seven, according to the number of days of the week that are in the month.) The weight for each week is then multiplied by the average daily volume for that week. To arrive at the monthly-from-weekly figure, a sum is taken of these weighted weekly volumes. The daily average for the monthly-from-weekly figure is calculated by dividing the total monthly-from-weekly figure by the number of days in the month.

Stock figures are not cumulative but represent inventories as of the last day of the reporting period. When the reporting week does not coincide with the end of a reporting month, an interpolation is necessary to derive a monthly-from-weekly figure for end-of-month stocks.

To derive the monthly-from-weekly stock figures, the two weekly reports that bracket the end of the month are used. Average daily stock change and the number of interpolated days are determined. The average daily stock change is defined as one-seventh of the difference between the stock level at the end of the last full week of the month and the stock level at the end of the week containing the last day of the month. The number of interpolation days is defined as the number of days between the end of the preceding weekly reporting period (midnight Thursday) and the end of the monthly reporting period. The end-of-month stock levels are then estimated as the sum of (a) the stock level reported the last full week of the month, plus (b) the number of interpolation days multiplied by the average daily stock change for the week.

The monthly-from-weekly exports data are derived from the most recent data published in the *Weekly Petroleum Status Report*. Beginning with statistics for the first week ending in October 1991, weekly estimates of exports are forecast using an autoregressive integrated moving-average (ARIMA) procedure. The ARIMA procedure models a value as a linear combination of its own past values and present and past values of other related time series. The most recent 5 years of

past data are used to obtain the forecast. In addition, for the major products and crude oil, 5 years of related price data are used. The price data include some U.S. and some foreign series.

## Note 2. Domestic Crude Oil Production

The Energy Information Administration (EIA) collects monthly crude oil production data on an ongoing basis. Data on crude oil production for States are reported to the EIA by State government agencies. Data on crude oil production for Federal offshore areas are reported to the EIA by the Minerals Management Service of the U.S. Department of the Interior and the Conservation Committee of California Oil Producers.

Currently, all except four crude oil producing States (Michigan, New York, Ohio, and Pennsylvania) report production on a monthly basis. These four States report crude oil production on an annual basis. Estimates of monthly crude oil production for these four States are made by the EIA using data reported on Form EIA-182, "Domestic Crude Oil First Purchase Report." After the end of each calendar year, the monthly crude oil production estimates are updated using annual reports from various State agencies, the Minerals Management Service, and the Conservation Committee of California Oil Producers. The final estimate is published in the *Petroleum Supply Annual*. There is a time lag of approximately 4 months between the end of the production month and the time when most monthly State crude oil production data become available.

In order to present more timely crude oil production estimates, the EIA prepares an original, forecast estimate on the first day of the production month (indicated with a "PE"). Approximately 45 days later, this original estimate of monthly crude oil production is replaced by State-level interim estimates (indicated with an "RE"). The State-level interim estimates are based on: (a) data reported by the States (e.g., production data for Alaska are typically reported to the EIA before the interim estimate is made); (b) first purchase data reported on Form EIA-182, "Domestic Crude Oil First Purchase Report;" (c) exponential or hyperbolic curve fitted projections based on recent State data; or (d) constant level projections based on the average production rate during a recent time period.

## Note 3. Figures

Figures associated with the Summary Statistics tables are provided which depict the balance between supply, disposition, and ending stocks for various commodities.

The national inventory (stocks) graphs (Figures S4, S6, S8, S10, S12, S14, and S16) for crude oil, finished motor gasoline, distillate fuel oil, residual fuel oil, jet fuel,

propane/propylene, and liquefied petroleum gases, in this publication include features to assist in comparing current inventory levels with past inventory levels and observed minimum operating levels. These features are described below.

The graphs displaying inventory levels provide the reader with actual inventory data compared to an *average range* from the most recent 3-year period running from January through December or from July through June. The ranges are updated every 6 months in April and October. The 3-year period is adjusted by dropping the oldest 6 months and including the most recent 6 months. The ranges also reflect seasonal variation determined from a 7-year period. The seasonal factors, which determine the shape of the upper and lower curves, are updated annually in October, using the most recent year's final monthly data.

The monthly seasonal factors are estimated by means of a seasonal adjustment technique developed at the U.S. Bureau of the Census (Census X-11). The seasonal factors are assumed to be stable (i.e., unchanging from year to year) and additive (i.e., the series is deseasonalized by subtracting the seasonal factor for the appropriate month from the reported inventory levels). The intent of deseasonalization is to remove only variation from the data. Thus, a deseasonalized series would contain the same trends, cyclical components, and irregularities as the original data.

After seasonal factors are derived, data from the most recent 3-year period (January through December or July through June) are deseasonalized. The average of the deseasonalized 36-month series determines the midpoint of the deseasonalized average band. The standard deviation of the deseasonalized 36 months is calculated adjusting for extreme data points. The upper curve of the average range is defined as the average plus the seasonal factors plus the standard deviation. The lower curve is defined as the average plus the seasonal factors minus the standard deviation. Thus, the width of the average range is twice the standard deviation.

The lines labeled "lower operational inventory" on the stock graphs are the lower end of the demonstrated operational inventory range updated for known and definable changes in the petroleum delivery system.

## Note 4. Frames Maintenance

In January 1981 and 1983, numerous respondents were added to bulk terminal and pipeline surveys affecting subsequent stocks reported and stock change calculations. Using the expanded coverage (new basis), the end-of-year stocks, in million barrels, would have been as listed below.

- Crude Oil: 1982- 645 (Total) and 351 (Other Primary).

- Crude Oil and Petroleum Products: 1980- 1,425; and 1982- 1,461.
- Motor Gasoline: 1980- 263 (Total) and 214 (Finished); 1982- 244 (Total) and 202 (Finished).
- Distillate Fuel Oil: 1980- 205; and 1982- 186.
- Residual Fuel Oil: 1980- 91; and 1982- 69.
- Jet Fuel: 1980- 42 (Total) and 36 (Kerosene-type); and 1982- 39 (Total) and 32 (Kerosene-type).
- Propane/Propylene: 1980- 69; and 1982- 57.
- Liquefied Petroleum Gases: 1980- 128; and 1982-102.
- Other Petroleum Products: 1980- 207; and 1982-219.

Stock change calculations beginning in 1981 and 1983 were made using new basis stock levels.

Stocks of Alaskan crude oil in-transit were included for the first time in January 1981. The major impact of this change is on the reporting of stock change calculations. Using the expanded coverage (new basis), 1980 end-of-year crude oil stocks would have been 488 million barrels (Total) and 380 million barrels (Other Primary).

Beginning with January 1984, natural gas liquids supply and disposition data were collected on a component basis rather than a product basis. This change affected stocks reported

and stock change calculations. Under the new basis, end-of-year 1983 stocks would have been:

- Propane/Propylene: 1983- 55.
- Liquefied Petroleum Gases: 1983- 108.
- Other Petroleum Products: 1983- 210.

In response to changes in the Clean Air Act Amendments of 1990 requiring that all gasoline sold in carbon monoxide nonattainment areas have an oxygen content of 2.7 percent (by weight) during winter months, the Energy Information Administration (EIA) conducted a frame identifier survey in 1991 of companies that produce, blend, store, or import oxygenates. The purpose of this survey was to (1) identify all U.S. producers, blenders, storers, and importers of oxygenates; and (2) collect supply and blending data for 1990 and end of 1990 inventory data on those oxygenates blended into motor gasoline. A summary of the results from the identification survey were published in the *Weekly Petroleum Status Report* dated February 12, 1992 and in the February 1992 issue of the *Petroleum Supply Monthly*.

In order to continue to provide relevant information about U.S. and regional gasoline supply, the EIA conducted a second frame identifier survey of these companies during 1992. As a result, a number of respondents were added to the monthly surveys effective in January 1993: 19 blenders, 25 stock holders, and 8 importers. This change did not affect stocks reported and therefore did not cause a new basis stock level to be calculated.

**Table 1. U.S. Petroleum Balance, December 2001**

Commodity	Current Month		Year to Date	
	Thousand Barrels	Thousand Barrels per Day	Thousand Barrels	Thousand Barrels per Day
<b>Crude Oil</b>				
Field Production				
(1) Alaska	E 32,416	E 1,046	E 353,497	E 968
(2) Lower 48 States	E 151,986	E 4,903	E 1,782,682	E 4,884
(3) <b>Total U.S.</b>	<b>E 184,402</b>	<b>E 5,948</b>	<b>E 2,136,179</b>	<b>E 5,853</b>
Net Imports				
(4) Imports (Gross Excluding Strategic Petroleum Reserve (SPR))	271,607	8,762	3,334,438	9,135
(5) SPR Imports	556	18	3,912	11
(6) Exports	380	12	8,449	23
(7) <b>Imports (Net Including SPR)</b>	<b>271,783</b>	<b>8,767</b>	<b>3,601,683</b>	<b>9,868</b>
Other Sources				
(8) SPR Stock Change (Withdrawal (+), Addition (-))	-2,916	-94	-9,563	-26
(9) Other Stock Change (Withdrawal (+), Addition (-))	-2,152	-69	-23,183	-64
(10) Product Supplied and Losses	0	0	0	0
(11) Unaccounted for <sup>a</sup>	4,250	137	89,062	244
(12) <b>Total Other Sources</b>	<b>-818</b>	<b>-26</b>	<b>56,316</b>	<b>154</b>
(13) <b>Crude Input to Refineries</b>	<b>455,367</b>	<b>14,689</b>	<b>5,522,396</b>	<b>15,130</b>
(13) = (3) + (7) + (12)				
<b>Natural Gas Liquids (NGL)</b>				
(14) Field Production <sup>b</sup>	68,009	2,194	793,986	2,175
(15) Net Imports <sup>c</sup>	1,864	60	16,592	45
(16) Stock Change (Withdrawal (+), Addition (-)) <sup>c</sup>	863	28	-2,045	-6
(17) <b>Total NGL Supply</b>	<b>70,736</b>	<b>2,282</b>	<b>806,669</b>	<b>2,210</b>
<b>Other Liquids</b>				
Unfinished Oils and Gasoline Blending Components, Total				
(18) Stock Change (Withdrawal (+), Addition (-))	6,942	224	-6,743	-18
(19) Net Imports	14,735	475	223,005	611
(20) Other Liquids New Supply (Field Production)	1,168	38	25,582	70
(21) Refinery Processing Gain <sup>a</sup>	27,031	872	337,099	924
(22) Crude Oil Product Supplied	0	0	0	0
(23) <b>Total Other Liquids</b>	<b>49,876</b>	<b>1,609</b>	<b>564,208</b>	<b>1,546</b>
(23) = (18) through (22)				
(24) <b>Total Production of Products</b>	<b>575,979</b>	<b>18,580</b>	<b>6,893,273</b>	<b>18,886</b>
(24) = (13) + (17) + (23)				
<b>Net Imports of Refined Products</b>				
(25) Imports (Gross)	48,793	1,574	665,490	1,823
(26) Exports	31,297	1,010	335,816	920
(27) <b>Imports (Net)</b>	<b>17,496</b>	<b>564</b>	<b>347,170</b>	<b>951</b>
(28) <b>Total New Supply of Products</b>	<b>593,475</b>	<b>19,144</b>	<b>7,222,947</b>	<b>19,789</b>
(28) = (24) + (27)				
(29) Refined Products Stock Change (Withdrawal (+), Addition (-)) <sup>f</sup>	-2,554	-82	-71,370	-196
(30) <b>Total Petroleum Products Supplied for Domestic Use</b>	<b>590,921</b>	<b>19,062</b>	<b>7,151,577</b>	<b>19,593</b>
(30) = (28) + (29)				
(31) Finished Motor Gasoline	266,045	8,582	3,134,024	8,586
(32) Distillate Fuel Oil	112,270	3,622	1,394,368	3,820
(33) Residual Fuel Oil	22,593	729	340,243	932
(34) Jet Fuel	46,738	1,508	603,592	1,654
(35) Liquefied Petroleum Gases	67,986	2,193	742,800	2,035
(36) Other <sup>d</sup>	75,289	2,429	936,549	2,566
(37) Crude Oil	0	0	0	0
(38) <b>Total Products Supplied</b>	<b>590,921</b>	<b>19,062</b>	<b>7,151,577</b>	<b>19,593</b>
(38) = (31) through (37)				
<b>Ending Stocks, All Oils</b>				
(39) Crude Oil (Excluding SPR)	311,843	—	311,843	—
(40) Strategic Petroleum Reserve <sup>e</sup>	550,241	—	550,241	—
(41) Finished Motor Gasoline	161,348	—	161,348	—
(42) Distillate Fuel Oil <sup>f</sup>	143,774	—	143,774	—
(43) Residual Fuel Oil	41,044	—	41,044	—
(44) Jet Fuel	41,932	—	41,932	—
(45) Liquefied Petroleum Gases	121,410	—	121,410	—
(46) Other <sup>d</sup>	213,833	—	213,833	—
(47) <b>Total Stocks<sup>g</sup></b>	<b>1,585,425</b>	<b>—</b>	<b>1,585,425</b>	<b>—</b>
(47) = (39) through (46)				

<sup>a</sup> Unaccounted for crude oil represents the difference between the supply and disposition of crude oil. Refinery processing gain represents the volumetric amount by which total output is greater than input for a given period of time. Preliminary estimates of crude oil imports at the National level have historically understated final values by approximately 50 thousand barrels per day. This causes the preliminary values of unaccounted for crude oil to overstate the final values by the same amount.

<sup>b</sup> Includes field production of fuel ethanol and an adjustment for motor gasoline blending components.

<sup>c</sup> Includes products in the pentanes plus category only.

<sup>d</sup> Includes pentanes plus, other liquids, and all finished petroleum products except finished motor gasoline, distillate fuel oil, residual fuel oil, jet fuel, and liquefied petroleum gases.

<sup>e</sup> Crude oil stocks in the Strategic Petroleum Reserve include non-U.S. stocks held under foreign or commercial storage agreements.

<sup>f</sup> Distillate stocks located in the "Northeast Heating Oil Reserve" are not included. For details see Appendix E.

E = Estimated. — = Not Applicable.

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

Sources: • Energy Information Administration (EIA), Monthly Petroleum Supply Reporting System. • Domestic crude oil production estimates based on historical statistics from State conservation agencies and the Minerals Management Service of the U.S. Department of the Interior. • Export data from the Bureau of the Census and Form EIA-810, "Monthly Refinery Report."

**Table 2. U.S. Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products,  
December 2001**  
(Thousand Barrels)

Commodity	Supply				Disposition					Ending Stocks <sup>d</sup>
	Field Production	Refinery Production	Imports	Unaccounted For Crude Oil <sup>a</sup>	Stock Change <sup>b</sup>	Crude Losses	Refinery Inputs	Exports	Products Supplied <sup>c</sup>	
<b>Crude Oil</b> .....	<sup>E</sup> 184,402	—	272,163	4,250	5,068	0	455,367	380	0	862,084
<b>Natural Gas Liquids and LRGs</b> .....	<b>58,279</b>	<b>12,964</b>	<b>8,614</b>	—	<b>-12,084</b>	—	<b>15,865</b>	<b>1,366</b>	<b>74,710</b>	<b>128,658</b>
Pentanes Plus .....	9,397	—	1,883	—	-863	—	5,400	19	6,724	7,248
Liquefied Petroleum Gases .....	48,882	12,964	6,731	—	-11,221	—	10,465	1,347	67,986	121,410
Ethane/Ethylene .....	21,116	684	128	—	446	—	0	0	21,482	24,673
Propane/Propylene .....	17,273	16,801	5,461	—	-4,477	—	0	1,089	42,923	66,013
Normal Butane/Butylene .....	4,426	-3,925	1,020	—	-6,411	—	6,654	258	1,020	24,775
Isobutane/Isobutylene .....	6,067	-596	122	—	-779	—	3,811	0	2,561	5,949
<b>Other Liquids</b> .....	<b>1,168</b>	—	<b>15,629</b>	—	<b>-6,942</b>	—	<b>23,724</b>	<b>894</b>	<b>-879</b>	<b>149,118</b>
Other Hydrocarbons/Oxygenates .....	9,060	—	1,838	—	-378	—	10,631	645	0	13,233
Unfinished Oils .....	—	—	6,298	—	-3,619	—	10,918	0	-1,001	87,687
Motor Gasoline Blend. Comp. ....	-7,892	—	7,493	—	-2,908	—	2,260	249	0	48,068
Aviation Gasoline Blend. Comp. ....	—	—	0	—	-37	—	-85	0	122	130
<b>Finished Petroleum Products</b> .....	<b>9,730</b>	<b>509,023</b>	<b>42,062</b>	—	<b>13,775</b>	—	—	<b>29,950</b>	<b>517,090</b>	<b>445,565</b>
Finished Motor Gasoline .....	9,730	247,719	15,121	—	339	—	—	6,186	266,045	161,348
Reformulated .....	—	79,892	8,329	—	-483	—	—	473	88,231	45,469
Oxygenated .....	18,380	4,196	0	—	5	—	—	0	22,571	378
Other .....	-8,650	163,631	6,792	—	817	—	—	5,713	155,242	115,501
Finished Aviation Gasoline .....	—	434	22	—	38	—	—	0	418	1,484
Jet Fuel .....	—	47,146	2,925	—	1,753	—	—	1,580	46,738	41,932
Naphtha-Type .....	—	4	0	—	31	—	—	154	-181	82
Kerosene-Type .....	—	47,142	2,925	—	1,722	—	—	1,426	46,919	41,850
Kerosene .....	—	2,125	64	—	-971	—	—	16	3,144	5,387
Distillate Fuel Oil .....	—	116,033	7,475	—	4,978	—	—	6,260	112,270	143,774
0.05 percent sulfur and under .....	—	84,934	2,679	—	6,253	—	—	2,315	79,045	81,430
Greater than 0.05 percent sulfur ....	—	31,099	4,796	—	-1,275	—	—	3,945	33,225	62,344
Residual Fuel Oil .....	—	20,298	9,543	—	1,883	—	—	5,365	22,593	41,044
Naphtha For Petro. Feed. Use .....	—	5,679	1,995	—	-206	—	—	0	7,880	2,389
Other Oils For Petro. Feed. Use .....	—	5,265	4,113	—	114	—	—	0	9,264	1,512
Special Naphthas .....	—	1,281	414	—	148	—	—	559	988	2,011
Lubricants .....	—	5,264	120	—	1,644	—	—	922	2,818	13,755
Waxes .....	—	539	92	—	-180	—	—	97	714	613
Petroleum Coke .....	—	24,203	0	—	33	—	—	8,878	15,292	8,305
Asphalt and Road Oil .....	—	11,316	177	—	3,836	—	—	81	7,576	20,638
Still Gas .....	—	19,771	0	—	0	—	—	0	19,771	0
Miscellaneous Products .....	—	1,950	1	—	366	—	—	6	1,579	1,373
<b>Total</b> .....	<b>253,579</b>	<b>521,987</b>	<b>338,468</b>	<b>4,250</b>	<b>-183</b>	<b>0</b>	<b>494,956</b>	<b>32,591</b>	<b>590,921</b>	<b>1,585,425</b>

<sup>a</sup> Unaccounted for crude oil represents the difference between the supply and disposition of crude oil. Preliminary estimates of crude oil imports at the National level have historically understated final values by approximately 50,000 barrels per day. This causes the preliminary values of unaccounted for crude oil to overstate the final values by the same amount.

<sup>b</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Distillate stocks located in the "Northeast Heating Oil Reserve" are not included. For details see Appendix E.

<sup>c</sup> Products supplied is equal to field production, plus refinery production, plus imports, plus unaccounted for crude oil, minus stock change, minus crude losses, minus refinery inputs, minus exports.

<sup>d</sup> Distillate stocks located in the "Northeast Heating Oil Reserve" are not included. For details see Appendix E.

(s) = Less than 500 barrels.

E = Estimated.

LRG = Liquefied Refinery Gas.

— = Not Applicable.

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

Sources: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-811, "Monthly Bulk Terminal Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movement Report," and EIA-819M, "Monthly Oxygenate Telephone Report." Domestic crude oil production estimates based on historical statistics from State conservation agencies and the Minerals Management Service of the U.S. Department of the Interior. Export data from the Bureau of the Census and Form EIA-810, "Monthly Refinery Report."

**Table 3. U.S. Year-to-Date Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, January-December 2001**  
(Thousand Barrels)

Commodity	Supply				Disposition					Ending Stocks <sup>d</sup>
	Field Production	Refinery Production	Imports	Unaccounted For Crude Oil <sup>a</sup>	Stock Change <sup>b</sup>	Crude Losses	Refinery Inputs	Exports	Products Supplied <sup>c</sup>	
<b>Crude Oil</b> .....	<sup>E</sup> 2,136,179	—	3,338,350	89,062	32,746	0	5,522,396	8,449	0	862,084
<b>Natural Gas Liquids and LRGs</b> .....	680,288	241,025	87,796	—	39,885	—	136,890	16,492	815,842	128,658
Pentanes Plus .....	111,186	—	15,292	—	2,045	—	50,827	564	73,042	7,248
Liquefied Petroleum Gases .....	569,102	241,025	72,504	—	37,840	—	86,063	15,928	742,800	121,410
Ethane/Ethylene .....	252,186	7,287	1,657	—	7,868	—	0	0	253,262	24,673
Propane/Propylene .....	195,219	202,289	50,571	—	24,590	—	0	11,395	412,094	66,013
Normal Butane/Butylene .....	49,581	32,752	15,214	—	5,479	—	42,858	4,533	44,677	24,775
Isobutane/Isobutylene .....	72,116	-1,303	5,062	—	-97	—	43,205	0	32,767	5,949
<b>Other Liquids</b> .....	25,582	—	221,793	—	6,743	—	293,953	13,523	-66,844	149,118
Other Hydrocarbons/Oxygenates .....	113,863	—	28,298	—	1,541	—	130,816	9,804	0	13,233
Unfinished Oils .....	—	—	88,049	—	579	—	155,503	0	-68,033	87,687
Motor Gasoline Blend. Comp. ....	-88,282	—	105,446	—	4,785	—	8,661	3,718	0	48,068
Aviation Gasoline Blend. Comp. ....	—	—	0	—	-162	—	-1,027	0	1,189	130
<b>Finished Petroleum Products</b> .....	113,698	6,049,313	592,986	—	33,530	—	—	319,888	6,402,579	445,565
Finished Motor Gasoline .....	113,698	2,912,976	163,604	—	7,768	—	—	48,485	3,134,024	161,348
Reformulated .....	—	938,691	79,718	—	3,713	—	—	1,870	1,012,826	45,469
Oxygenated .....	254,160	37,049	451	—	-318	—	—	69	291,909	378
Other .....	-140,462	1,937,236	83,435	—	4,373	—	—	46,546	1,829,289	115,501
Finished Aviation Gasoline .....	—	6,523	598	—	206	—	—	0	6,915	1,484
Jet Fuel .....	—	558,238	53,496	—	-2,586	—	—	10,728	603,592	41,932
Naphtha-Type .....	—	89	0	—	-27	—	—	231	-115	82
Kerosene-Type .....	—	558,149	53,496	—	-2,559	—	—	10,496	603,708	41,850
Kerosene .....	—	26,741	1,773	—	1,262	—	—	768	26,484	5,387
Distillate Fuel Oil .....	—	1,348,391	130,332	—	25,739	—	—	58,616	1,394,368	143,774
0.05 percent sulfur and under .....	—	952,384	47,696	—	9,874	—	—	13,879	976,327	81,430
Greater than 0.05 percent sulfur ...	—	396,007	82,636	—	15,865	—	—	44,737	418,041	62,344
Residual Fuel Oil .....	—	262,797	140,062	—	5,041	—	—	57,575	340,243	41,044
Naphtha For Petro. Feed. Use .....	—	58,005	32,989	—	-323	—	—	0	91,317	2,389
Other Oils For Petro. Feed. Use .....	—	61,852	51,749	—	-300	—	—	0	113,901	1,512
Special Naphthas .....	—	19,487	4,850	—	-141	—	—	8,410	16,068	2,011
Lubricants .....	—	64,056	2,815	—	1,658	—	—	9,331	55,882	13,755
Waxes .....	—	6,634	902	—	-434	—	—	1,313	6,657	613
Petroleum Coke .....	—	280,061	70	—	-179	—	—	122,746	157,564	8,305
Asphalt and Road Oil .....	—	177,315	9,574	—	-4,447	—	—	1,829	189,507	20,638
Still Gas .....	—	244,593	0	—	0	—	—	0	244,593	0
Miscellaneous Products .....	—	21,644	172	—	266	—	—	88	21,462	1,373
<b>Total</b> .....	2,955,746	6,290,338	4,240,925	89,062	112,904	0	5,953,239	358,352	7,151,577	1,585,425

<sup>a</sup> Unaccounted for crude oil represents the difference between the supply and disposition of crude oil. Preliminary estimates of crude oil imports at the National level have historically understated final values by approximately 50,000 barrels per day. This causes the preliminary values of unaccounted for crude oil to overstate the final values by the same amount.

<sup>b</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Distillate stocks located in the "Northeast Heating Oil Reserve" are not included. For details see Appendix E.

<sup>c</sup> Products supplied is equal to field production, plus refinery production, plus imports, plus unaccounted for crude oil, minus stock change, minus crude losses, minus refinery inputs, minus exports.

<sup>d</sup> Distillate stocks located in the "Northeast Heating Oil Reserve" are not included. For details see Appendix E.

(s) = Less than 500 barrels.

E = Estimated.

LRG = Liquefied Refinery Gas.

— = Not Applicable.

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

Sources: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-811, "Monthly Bulk Terminal Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movement Report," and EIA-819M, "Monthly Oxygenate Telephone Report." Domestic crude oil production estimates based on historical statistics from State conservation agencies and the Minerals Management Service of the U.S. Department of the Interior. Export data from the Bureau of the Census and Form EIA-810, "Monthly Refinery Report."

**Table 4. U.S. Daily Average Supply and Disposition of Crude Oil and Petroleum Products,  
December 2001**  
(Thousand Barrels per Day)

Commodity	Supply				Disposition				
	Field Production	Refinery Production	Imports	Unaccounted For Crude Oil <sup>a</sup>	Stock Change <sup>b</sup>	Crude Losses	Refinery Inputs	Exports	Products Supplied <sup>c</sup>
<b>Crude Oil</b> .....	E 5,948	—	8,779	137	163	0	14,689	12	0
<b>Natural Gas Liquids and LRGs</b> .....	1,880	418	278	—	-390	—	512	44	2,410
Pentanes Plus .....	303	—	61	—	-28	—	174	1	217
Liquefied Petroleum Gases .....	1,577	418	217	—	-362	—	338	43	2,193
Ethane/Ethylene .....	681	22	4	—	14	—	0	0	693
Propane/Propylene .....	557	542	176	—	-144	—	0	35	1,385
Normal Butane/Butylene .....	143	-127	33	—	-207	—	215	8	33
Isobutane/Isobutylene .....	196	-19	4	—	-25	—	123	0	83
<b>Other Liquids</b> .....	38	—	504	—	-224	—	765	29	-28
Other Hydrocarbons/Oxygenates .....	292	—	59	—	-12	—	343	21	0
Unfinished Oils .....	—	—	203	—	-117	—	352	0	-32
Motor Gasoline Blend. Comp. ....	-255	—	242	—	-94	—	73	8	0
Aviation Gasoline Blend. Comp. ....	—	—	0	—	-1	—	-3	0	4
<b>Finished Petroleum Products</b> .....	314	16,420	1,357	—	444	—	—	966	16,680
Finished Motor Gasoline .....	314	7,991	488	—	11	—	—	200	8,582
Reformulated .....	—	2,577	269	—	-16	—	—	15	2,846
Oxygenated .....	593	135	0	—	(s)	—	—	0	728
Other .....	-279	5,278	219	—	26	—	—	184	5,008
Finished Aviation Gasoline .....	—	14	1	—	1	—	—	0	13
Jet Fuel .....	—	1,521	94	—	57	—	—	51	1,508
Naphtha-Type .....	—	(s)	0	—	1	—	—	5	-6
Kerosene-Type .....	—	1,521	94	—	56	—	—	46	1,514
Kerosene .....	—	69	2	—	-31	—	—	1	101
Distillate Fuel Oil .....	—	3,743	241	—	161	—	—	202	3,622
0.05 percent sulfur and under .....	—	2,740	86	—	202	—	—	75	2,550
Greater than 0.05 percent sulfur ...	—	1,003	155	—	-41	—	—	127	1,072
Residual Fuel Oil .....	—	655	308	—	61	—	—	173	729
Naphtha For Petro. Feed. Use .....	—	183	64	—	-7	—	—	0	254
Other Oils For Petro. Feed. Use .....	—	170	133	—	4	—	—	0	299
Special Naphthas .....	—	41	13	—	5	—	—	18	32
Lubricants .....	—	170	4	—	53	—	—	30	91
Waxes .....	—	17	3	—	-6	—	—	3	23
Petroleum Coke .....	—	781	0	—	1	—	—	286	493
Asphalt and Road Oil .....	—	365	6	—	124	—	—	3	244
Still Gas .....	—	638	0	—	0	—	—	0	638
Miscellaneous Products .....	—	63	(s)	—	12	—	—	(s)	51
<b>Total</b> .....	<b>8,180</b>	<b>16,838</b>	<b>10,918</b>	<b>137</b>	<b>-6</b>	<b>0</b>	<b>15,966</b>	<b>1,051</b>	<b>19,062</b>

<sup>a</sup> Unaccounted for crude oil represents the difference between the supply and disposition of crude oil. Preliminary estimates of crude oil imports at the National level have historically understated final values by approximately 50,000 barrels per day. This causes the preliminary values of unaccounted for crude oil to overstate the final values by the same amount.

<sup>b</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Distillate stocks located in the "Northeast Heating Oil Reserve" are not included. For details see Appendix E.

<sup>c</sup> Products supplied is equal to field production, plus refinery production, plus imports, plus unaccounted for crude oil, minus stock change, minus crude losses, minus refinery inputs, minus exports.

(s) = Less than 500 barrels per day.

E = Estimated.

LRG = Liquefied Refinery Gas.

— = Not Applicable.

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

Sources: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-811, "Monthly Bulk Terminal Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movement Report," and EIA-819M, "Monthly Oxygenate Telephone Report". Domestic crude oil production estimates based on historical statistics from State conservation agencies and the Minerals Management Service of the U.S. Department of the Interior. Export data from the Bureau of the Census and Form EIA-810, "Monthly Refinery Report."

**Table 5. U.S. Year-to-Date Daily Average Supply and Disposition of Crude Oil and Petroleum Products, January-December 2001**  
(Thousand Barrels per Day)

Commodity	Supply				Disposition				
	Field Production	Refinery Production	Imports	Unaccounted For Crude Oil <sup>a</sup>	Stock Change <sup>b</sup>	Crude Losses	Refinery Inputs	Exports	Products Supplied <sup>c</sup>
<b>Crude Oil</b> .....	E 5,853	—	9,146	244	90	0	15,130	23	0
<b>Natural Gas Liquids and LRGs</b> .....	1,864	660	241	—	109	—	375	45	2,235
Pentanes Plus .....	305	—	42	—	6	—	139	2	200
Liquefied Petroleum Gases .....	1,559	660	199	—	104	—	236	44	2,035
Ethane/Ethylene .....	691	20	5	—	22	—	0	0	694
Propane/Propylene .....	535	554	139	—	67	—	0	31	1,129
Normal Butane/Butylene .....	136	90	42	—	15	—	117	12	122
Isobutane/Isobutylene .....	198	-4	14	—	(s)	—	118	0	90
<b>Other Liquids</b> .....	70	—	608	—	18	—	805	37	-183
Other Hydrocarbons/Oxygenates .....	312	—	78	—	4	—	358	27	0
Unfinished Oils .....	—	—	241	—	2	—	426	0	-186
Motor Gasoline Blend. Comp. ....	-242	—	289	—	13	—	24	10	0
Aviation Gasoline Blend. Comp. ....	—	—	0	—	(s)	—	-3	0	3
<b>Finished Petroleum Products</b> .....	312	16,573	1,625	—	92	—	—	876	17,541
Finished Motor Gasoline .....	312	7,981	448	—	21	—	—	133	8,586
Reformulated .....	—	2,572	218	—	10	—	—	5	2,775
Oxygenated .....	696	102	1	—	-1	—	—	(s)	800
Other .....	-385	5,307	229	—	12	—	—	128	5,012
Finished Aviation Gasoline .....	—	18	2	—	1	—	—	0	19
Jet Fuel .....	—	1,529	147	—	-7	—	—	29	1,654
Naphtha-Type .....	—	(s)	0	—	(s)	—	—	1	(s)
Kerosene-Type .....	—	1,529	147	—	-7	—	—	29	1,654
Kerosene .....	—	73	5	—	3	—	—	2	73
Distillate Fuel Oil .....	—	3,694	357	—	71	—	—	161	3,820
0.05 percent sulfur and under .....	—	2,609	131	—	27	—	—	38	2,675
Greater than 0.05 percent sulfur ...	—	1,085	226	—	43	—	—	123	1,145
Residual Fuel Oil .....	—	720	384	—	14	—	—	158	932
Naphtha For Petro. Feed. Use .....	—	159	90	—	-1	—	—	0	250
Other Oils For Petro. Feed. Use .....	—	169	142	—	-1	—	—	0	312
Special Naphthas .....	—	53	13	—	(s)	—	—	23	44
Lubricants .....	—	175	8	—	5	—	—	26	153
Waxes .....	—	18	2	—	-1	—	—	4	18
Petroleum Coke .....	—	767	(s)	—	(s)	—	—	336	432
Asphalt and Road Oil .....	—	486	26	—	-12	—	—	5	519
Still Gas .....	—	670	0	—	0	—	—	0	670
Miscellaneous Products .....	—	59	(s)	—	1	—	—	(s)	59
<b>Total</b> .....	<b>8,098</b>	<b>17,234</b>	<b>11,619</b>	<b>244</b>	<b>309</b>	<b>0</b>	<b>16,310</b>	<b>982</b>	<b>19,593</b>

<sup>a</sup> Unaccounted for crude oil represents the difference between the supply and disposition of crude oil. Preliminary estimates of crude oil imports at the National level have historically understated final values by approximately 50,000 barrels per day. This causes the preliminary values of unaccounted for crude oil to overstate the final values by the same amount.

<sup>b</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Distillate stocks located in the "Northeast Heating Oil Reserve" are not included. For details see Appendix E.

<sup>c</sup> Products supplied is equal to field production, plus refinery production, plus imports, plus unaccounted for crude oil, minus stock change, minus crude losses, minus refinery inputs, minus exports.

(s) = Less than 500 barrels per day.

E = Estimated.

LRG = Liquefied Refinery Gas.

— = Not Applicable.

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

Sources: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-811, "Monthly Bulk Terminal Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movement Report," and EIA-819M, "Monthly Oxygenate Telephone Report". Domestic crude oil production estimates based on historical statistics from State conservation agencies and the Minerals Management Service of the U.S. Department of the Interior. Export data from the Bureau of the Census and Form EIA-810, "Monthly Refinery Report."

**Table 6. PAD District I—Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, December 2001**  
(Thousand Barrels)

Commodity	Supply					Disposition					Ending Stocks <sup>f</sup>
	Field Production	Refinery Production	Imports by PAD District of Entry <sup>a</sup>	Unaccounted For Crude Oil <sup>b</sup>	Net Receipts	Stock Change <sup>c</sup>	Crude Losses	Refinery Inputs	Exports	Products Supplied <sup>d</sup>	
<b>Crude Oil</b> .....	<sup>E</sup> 580	—	39,404	715	175	-222	0	41,095	(s)	0	13,570
<b>Natural Gas Liquids and LRGs</b> .....	799	925	1,618	—	4,739	567	—	247	20	7,247	7,599
Pentanes Plus .....	97	—	0	—	0	10	—	0	1	86	21
Liquefied Petroleum Gases .....	702	925	1,618	—	4,739	557	—	247	20	7,160	7,578
Ethane/Ethylene .....	208	0	0	—	0	0	—	0	0	208	0
Propane/Propylene .....	340	1,442	1,272	—	4,602	616	—	0	16	7,024	5,875
Normal Butane/Butylene .....	114	-377	231	—	137	-69	—	168	4	2	1,477
Isobutane/Isobutylene .....	40	-140	115	—	0	10	—	79	0	-74	226
<b>Other Liquids</b> .....	550	—	7,259	—	437	-1,339	—	10,592	20	-1,027	19,254
Other Hydrocarbons/Oxygenates ...	1,400	—	275	—	0	-195	—	1,850	20	0	2,549
Unfinished Oils .....	—	—	597	—	228	-512	—	2,486	0	-1,149	8,778
Motor Gasoline Blend. Comp. ....	-850	—	6,387	—	209	-592	—	6,338	(s)	0	7,850
Aviation Gasoline Blend. Comp. ....	—	—	0	—	0	-40	—	-82	0	122	77
<b>Finished Petroleum Products</b> .....	997	54,549	29,771	—	87,731	3,279	—	—	499	169,270	151,609
Finished Motor Gasoline .....	997	29,591	13,782	—	51,072	760	—	—	87	94,595	50,713
Reformulated .....	—	18,189	8,029	—	10,769	-1,560	—	—	0	38,547	19,231
Oxygenated .....	1,470	0	0	—	0	-29	—	—	0	1,499	53
Other .....	-474	11,402	5,753	—	40,303	2,349	—	—	87	54,548	31,429
Finished Aviation Gasoline .....	—	46	0	—	76	73	—	—	0	49	157
Jet Fuel .....	—	2,543	1,203	—	12,470	-357	—	—	170	16,403	10,213
Naphtha-Type .....	—	0	0	—	0	0	—	—	(s)	(s)	0
Kerosene-Type .....	—	2,543	1,203	—	12,470	-357	—	—	170	16,403	10,213
Kerosene .....	—	240	64	—	138	-433	—	—	8	867	3,257
Distillate Fuel Oil .....	—	13,356	6,643	—	22,997	310	—	—	49	42,637	62,055
0.05 percent sulfur and under ....	—	6,340	2,261	—	13,060	2,592	—	—	7	19,062	22,293
Greater than 0.05 percent sulfur	—	7,016	4,382	—	9,937	-2,282	—	—	42	23,575	39,762
Residual Fuel Oil .....	—	2,816	7,393	—	0	2,117	—	—	15	8,077	17,754
Petrochemical Feedstocks <sup>e</sup> .....	—	377	108	—	-90	-108	—	—	0	503	437
Special Naphthas .....	—	63	327	—	61	10	—	—	4	437	115
Lubricants .....	—	529	86	—	546	32	—	—	86	1,043	2,214
Waxes .....	—	19	41	—	0	-37	—	—	29	68	149
Petroleum Coke .....	—	1,614	0	—	0	127	—	—	45	1,442	344
Asphalt and Road Oil .....	—	1,499	124	—	461	555	—	—	1	1,528	3,927
Still Gas .....	—	1,813	0	—	0	0	—	—	0	1,813	0
Miscellaneous Products .....	—	43	0	—	0	230	—	—	3	-190	274
<b>Total</b> .....	2,925	55,474	78,052	715	93,082	2,285	0	51,934	540	175,489	192,032

<sup>a</sup> 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.

<sup>b</sup> Unaccounted for crude oil represents the difference between the supply and disposition of crude oil.

<sup>c</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Distillate stocks located in the "Northeast Heating Oil Reserve" are not included. For details see Appendix E.

<sup>d</sup> Products supplied is equal to field production, plus refinery production, plus imports, plus unaccounted for crude oil, plus net receipts, minus stock change, minus crude losses, minus refinery inputs, minus exports.

<sup>e</sup> Includes naphtha less than 401° F endpoint and other oils equal to or greater than 401° F endpoint.

<sup>f</sup> Distillate stocks located in the "Northeast Heating Oil Reserve" are not included. For details see Appendix E.

(s) = Less than 500 barrels.

E = Estimated.

LRG = Liquefied Refinery Gas.

— = Not Applicable.

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

Sources: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-811, "Monthly Bulk Terminal Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movement Report," and EIA-819M, "Monthly Oxygenate Telephone Report". Domestic crude oil production estimates based on historical statistics from State conservation agencies and the Minerals Management Service of the U.S. Department of the Interior. Export data from the Bureau of the Census and Form EIA-810, "Monthly Refinery Report."

**Table 7. PAD District I—Year-to-Date Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, January-December 2001**  
(Thousand Barrels)

Commodity	Supply					Disposition					Ending Stocks <sup>f</sup>
	Field Production	Refinery Production	Imports by PAD District of Entry <sup>a</sup>	Unaccounted For Crude Oil <sup>b</sup>	Net Receipts	Stock Change <sup>c</sup>	Crude Losses	Refinery Inputs	Exports	Products Supplied <sup>d</sup>	
<b>Crude Oil</b> .....	<sup>E</sup> 7,653	—	525,561	15,410	1,135	554	0	547,440	1,766	0	13,570
<b>Natural Gas Liquids and LRGs</b> .....	<b>9,410</b>	<b>16,661</b>	<b>14,478</b>	—	<b>40,421</b>	<b>2,439</b>	—	<b>1,590</b>	<b>590</b>	<b>76,351</b>	<b>7,599</b>
Pentanes Plus .....	1,095	—	0	—	0	14	—	0	12	1,069	21
Liquefied Petroleum Gases .....	8,315	16,661	14,478	—	40,421	2,425	—	1,590	578	75,282	7,578
Ethane/Ethylene .....	2,708	0	0	—	0	0	—	0	0	2,708	0
Propane/Propylene .....	3,806	17,541	12,530	—	39,486	1,875	—	0	344	71,144	5,875
Normal Butane/Butylene .....	1,331	922	1,674	—	972	481	—	543	233	3,642	1,477
Isobutane/Isobutylene .....	470	-1,802	274	—	-37	69	—	1,047	0	-2,211	226
<b>Other Liquids</b> .....	<b>5,876</b>	—	<b>105,939</b>	—	<b>2,112</b>	<b>1,131</b>	—	<b>135,712</b>	<b>2,103</b>	<b>-25,019</b>	<b>19,254</b>
Other Hydrocarbons/Oxygenates .....	21,513	—	5,722	—	0	499	—	25,247	1,489	0	2,549
Unfinished Oils .....	—	—	10,642	—	52	260	—	36,643	0	-26,209	8,778
Motor Gasoline Blend. Comp. ....	-15,638	—	89,575	—	2,060	524	—	74,860	613	0	7,850
Aviation Gasoline Blend. Comp. ....	—	—	0	—	0	-152	—	-1,038	0	1,190	77
<b>Finished Petroleum Products</b> .....	<b>17,921</b>	<b>703,177</b>	<b>413,632</b>	—	<b>1,007,901</b>	<b>26,945</b>	—	—	<b>14,990</b>	<b>2,100,695</b>	<b>151,609</b>
Finished Motor Gasoline .....	17,921	370,948	152,180	—	573,521	879	—	—	2,608	1,111,083	50,713
Reformulated .....	—	228,848	77,141	—	119,811	-857	—	—	551	426,106	19,231
Oxygenated .....	22,829	722	19	—	0	-17	—	—	1	23,587	53
Other .....	-4,909	141,378	75,020	—	453,710	1,753	—	—	2,056	661,390	31,429
Finished Aviation Gasoline .....	—	74	1	—	806	65	—	—	0	816	157
Jet Fuel .....	—	30,861	25,898	—	158,168	-171	—	—	1,041	214,057	10,213
Naphtha-Type .....	—	0	0	—	0	0	—	—	62	-62	0
Kerosene-Type .....	—	30,861	25,898	—	158,168	-171	—	—	978	214,120	10,213
Kerosene .....	—	4,595	1,748	—	844	962	—	—	67	6,158	3,257
Distillate Fuel Oil .....	—	170,292	113,004	—	253,752	20,963	—	—	2,998	513,087	62,055
0.05 percent sulfur and under .....	—	85,798	39,024	—	154,261	5,790	—	—	781	272,512	22,293
Greater than 0.05 percent sulfur ...	—	84,494	73,980	—	99,491	15,173	—	—	2,217	240,575	39,762
Residual Fuel Oil .....	—	38,656	105,098	—	7,981	4,284	—	—	1,868	145,583	17,754
Petrochemical Feedstocks <sup>e</sup> .....	—	4,396	1,817	—	-772	-36	—	—	0	5,477	437
Special Naphthas .....	—	692	2,671	—	531	0	—	—	422	3,472	115
Lubricants .....	—	5,472	2,184	—	8,215	-136	—	—	1,485	14,522	2,214
Waxes .....	—	181	477	—	0	-167	—	—	378	447	149
Petroleum Coke .....	—	18,983	0	—	0	130	—	—	3,818	15,035	344
Asphalt and Road Oil .....	—	35,063	8,554	—	4,855	-20	—	—	251	48,241	3,927
Still Gas .....	—	22,370	0	—	0	0	—	—	0	22,370	0
Miscellaneous Products .....	—	594	0	—	0	192	—	—	53	349	274
<b>Total</b> .....	<b>40,860</b>	<b>719,838</b>	<b>1,059,610</b>	<b>15,410</b>	<b>1,051,569</b>	<b>31,069</b>	<b>0</b>	<b>684,742</b>	<b>19,448</b>	<b>2,152,027</b>	<b>192,032</b>

<sup>a</sup> 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.

<sup>b</sup> Unaccounted for crude oil represents the difference between the supply and disposition of crude oil.

<sup>c</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Distillate stocks located in the "Northeast Heating Oil Reserve" are not included. For details see Appendix E.

<sup>d</sup> Products supplied is equal to field production, plus refinery production, plus imports, plus unaccounted for crude oil, plus net receipts, minus stock change, minus crude losses, minus refinery inputs, minus exports.

<sup>e</sup> Includes naphtha less than 401° F endpoint and other oils equal to or greater than 401° F endpoint.

<sup>f</sup> Distillate stocks located in the "Northeast Heating Oil Reserve" are not included. For details see Appendix E.

(s) = Less than 500 barrels.

E = Estimated.

LRG = Liquefied Refinery Gas.

— = Not Applicable.

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

Sources: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-811, "Monthly Bulk Terminal Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movement Report," and EIA-819M, "Monthly Oxygenate Telephone Report". Domestic crude oil production estimates based on historical statistics from State conservation agencies and the Minerals Management Service of the U.S. Department of the Interior. Export data from the Bureau of the Census and Form EIA-810, "Monthly Refinery Report."

**Table 8. PAD District I—Daily Average Supply and Disposition of Crude Oil and Petroleum Products, December 2001**  
(Thousand Barrels per Day)

Commodity	Supply					Disposition				
	Field Production	Refinery Production	Imports by PAD District of Entry <sup>a</sup>	Unaccounted For Crude Oil <sup>b</sup>	Net Receipts	Stock Change <sup>c</sup>	Crude Losses	Refinery Inputs	Exports	Products Supplied <sup>d</sup>
<b>Crude Oil</b> .....	<sup>E</sup> 19	—	1,271	23	6	-7	0	1,326	(s)	0
<b>Natural Gas Liquids and LRGs</b> .....	26	30	52	—	153	18	—	8	1	234
Pentanes Plus .....	3	—	0	—	0	(s)	—	0	(s)	3
Liquefied Petroleum Gases .....	23	30	52	—	153	18	—	8	1	231
Ethane/Ethylene .....	7	0	0	—	0	0	—	0	0	7
Propane/Propylene .....	11	47	41	—	148	20	—	0	1	227
Normal Butane/Butylene .....	4	-12	7	—	4	-2	—	5	(s)	(s)
Isobutane/Isobutylene .....	1	-5	4	—	0	(s)	—	3	0	-2
<b>Other Liquids</b> .....	18	—	234	—	14	-43	—	342	1	-33
Other Hydrocarbons/Oxygenates .....	45	—	9	—	0	-6	—	60	1	0
Unfinished Oils .....	—	—	19	—	7	-17	—	80	0	-37
Motor Gasoline Blend. Comp. ....	-27	—	206	—	7	-19	—	204	(s)	0
Aviation Gasoline Blend. Comp. ....	—	—	0	—	0	-1	—	-3	0	4
<b>Finished Petroleum Products</b> .....	32	1,760	960	—	2,830	106	—	—	16	5,460
Finished Motor Gasoline .....	32	955	445	—	1,647	25	—	—	3	3,051
Reformulated .....	—	587	259	—	347	-50	—	—	0	1,243
Oxygenated .....	47	0	0	—	0	-1	—	—	0	48
Other .....	-15	368	186	—	1,300	76	—	—	3	1,760
Finished Aviation Gasoline .....	—	1	0	—	2	2	—	—	0	2
Jet Fuel .....	—	82	39	—	402	-12	—	—	5	529
Naphtha-Type .....	—	0	0	—	0	0	—	—	(s)	(s)
Kerosene-Type .....	—	82	39	—	402	-12	—	—	5	529
Kerosene .....	—	8	2	—	4	-14	—	—	(s)	28
Distillate Fuel Oil .....	—	431	214	—	742	10	—	—	2	1,375
0.05 percent sulfur and under .....	—	205	73	—	421	84	—	—	(s)	615
Greater than 0.05 percent sulfur ...	—	226	141	—	321	-74	—	—	1	760
Residual Fuel Oil .....	—	91	238	—	0	68	—	—	(s)	261
Petrochemical Feedstocks <sup>e</sup> .....	—	12	3	—	-3	-3	—	—	0	16
Special Naphthas .....	—	2	11	—	2	(s)	—	—	(s)	14
Lubricants .....	—	17	3	—	18	1	—	—	3	34
Waxes .....	—	1	1	—	0	-1	—	—	1	2
Petroleum Coke .....	—	52	0	—	0	4	—	—	1	47
Asphalt and Road Oil .....	—	48	4	—	15	18	—	—	(s)	49
Still Gas .....	—	58	0	—	0	0	—	—	0	58
Miscellaneous Products .....	—	1	0	—	0	7	—	—	(s)	-6
<b>Total</b> .....	<b>94</b>	<b>1,789</b>	<b>2,518</b>	<b>23</b>	<b>3,003</b>	<b>74</b>	<b>0</b>	<b>1,675</b>	<b>17</b>	<b>5,661</b>

<sup>a</sup> 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.

<sup>b</sup> Unaccounted for crude oil represents the difference between the supply and disposition of crude oil.

<sup>c</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Distillate stocks located in the "Northeast Heating Oil Reserve" are not included. For details see Appendix E.

<sup>d</sup> Products supplied is equal to field production, plus refinery production, plus imports, plus unaccounted for crude oil, plus net receipts, minus stock change, minus crude losses, minus refinery inputs, minus exports.

<sup>e</sup> Includes naphtha less than 401° F endpoint and other oils equal to or greater than 401° F endpoint.

(s) = Less than 500 barrels per day.

E = Estimated.

LRG = Liquefied Refinery Gas.

— = Not Applicable.

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

Sources: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-811, "Monthly Bulk Terminal Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movement Report," and EIA-819M, "Monthly Oxygenate Telephone Report". Domestic crude oil production estimates based on historical statistics from State conservation agencies and the Minerals Management Service of the U.S. Department of the Interior. Export data from the Bureau of the Census and Form EIA-810, "Monthly Refinery Report."

**Table 9. PAD District I—Year-to-Date Daily Average Supply and Disposition of Crude Oil and Petroleum Products, January-December 2001**  
(Thousand Barrels per Day)

Commodity	Supply					Disposition				
	Field Production	Refinery Production	Imports by PAD District of Entry <sup>a</sup>	Unaccounted For Crude Oil <sup>b</sup>	Net Receipts	Stock Change <sup>c</sup>	Crude Losses	Refinery Inputs	Exports	Products Supplied <sup>d</sup>
<b>Crude Oil</b> .....	E 21	—	1,440	42	3	2	0	1,500	5	0
<b>Natural Gas Liquids and LRGs</b> .....	26	46	40	—	111	7	—	4	2	209
Pentanes Plus .....	3	—	0	—	0	(s)	—	0	(s)	3
Liquefied Petroleum Gases .....	23	46	40	—	111	7	—	4	2	206
Ethane/Ethylene .....	7	0	0	—	0	0	—	0	0	7
Propane/Propylene .....	10	48	34	—	108	5	—	0	1	195
Normal Butane/Butylene .....	4	3	5	—	3	1	—	1	1	10
Isobutane/Isobutylene .....	1	-5	1	—	(s)	(s)	—	3	0	-6
<b>Other Liquids</b> .....	16	—	290	—	6	3	—	372	6	-69
Other Hydrocarbons/Oxygenates ....	59	—	16	—	0	1	—	69	4	0
Unfinished Oils .....	—	—	29	—	(s)	1	—	100	0	-72
Motor Gasoline Blend. Comp. ....	-43	—	245	—	6	1	—	205	2	0
Aviation Gasoline Blend. Comp. ....	—	—	0	—	0	(s)	—	-3	0	3
<b>Finished Petroleum Products</b> .....	49	1,927	1,133	—	2,761	74	—	—	41	5,755
Finished Motor Gasoline .....	49	1,016	417	—	1,571	2	—	—	7	3,044
Reformulated .....	—	627	211	—	328	-2	—	—	2	1,167
Oxygenated .....	63	2	(s)	—	0	(s)	—	—	(s)	65
Other .....	-13	387	206	—	1,243	5	—	—	6	1,812
Finished Aviation Gasoline .....	—	(s)	(s)	—	2	(s)	—	—	0	2
Jet Fuel .....	—	85	71	—	433	(s)	—	—	3	586
Naphtha-Type .....	—	0	0	—	0	0	—	—	(s)	(s)
Kerosene-Type .....	—	85	71	—	433	(s)	—	—	3	587
Kerosene .....	—	13	5	—	2	3	—	—	(s)	17
Distillate Fuel Oil .....	—	467	310	—	695	57	—	—	8	1,406
0.05 percent sulfur and under .....	—	235	107	—	423	16	—	—	2	747
Greater than 0.05 percent sulfur ...	—	231	203	—	273	42	—	—	6	659
Residual Fuel Oil .....	—	106	288	—	22	12	—	—	5	399
Petrochemical Feedstocks <sup>e</sup> .....	—	12	5	—	-2	(s)	—	—	0	15
Special Naphthas .....	—	2	7	—	1	0	—	—	1	10
Lubricants .....	—	15	6	—	23	(s)	—	—	4	40
Waxes .....	—	(s)	1	—	0	(s)	—	—	1	1
Petroleum Coke .....	—	52	0	—	0	(s)	—	—	10	41
Asphalt and Road Oil .....	—	96	23	—	13	(s)	—	—	1	132
Still Gas .....	—	61	0	—	0	0	—	—	0	61
Miscellaneous Products .....	—	2	0	—	0	1	—	—	(s)	1
<b>Total</b> .....	112	1,972	2,903	42	2,881	85	0	1,876	53	5,896

<sup>a</sup> 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.

<sup>b</sup> Unaccounted for crude oil represents the difference between the supply and disposition of crude oil.

<sup>c</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Distillate stocks located in the "Northeast Heating Oil Reserve" are not included. For details see Appendix E.

<sup>d</sup> Products supplied is equal to field production, plus refinery production, plus imports, plus unaccounted for crude oil, plus net receipts, minus stock change, minus crude losses, minus refinery inputs, minus exports.

<sup>e</sup> Includes naphtha less than 401° F endpoint and other oils equal to or greater than 401° F endpoint.

(s) = Less than 500 barrels per day.

E = Estimated.

LRG = Liquefied Refinery Gas.

— = Not Applicable.

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

Sources: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-811, "Monthly Bulk Terminal Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movement Report," and EIA-819M, "Monthly Oxygenate Telephone Report". Domestic crude oil production estimates based on historical statistics from State conservation agencies and the Minerals Management Service of the U.S. Department of the Interior. Export data from the Bureau of the Census and Form EIA-810, "Monthly Refinery Report."

**Table 10. PAD District II—Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, December 2001**  
(Thousand Barrels)

Commodity	Supply					Disposition					Ending Stocks
	Field Production	Refinery Production	Imports by PAD District of Entry <sup>a</sup>	Unaccounted For Crude Oil <sup>b</sup>	Net Receipts	Stock Change <sup>c</sup>	Crude Losses	Refinery Inputs	Exports	Products Supplied <sup>d</sup>	
<b>Crude Oil</b> .....	<sup>E</sup> 14,154	—	26,168	1,693	53,649	-1,871	0	97,160	375	0	68,836
<b>Natural Gas Liquids and LRGs</b> .....	9,589	1,393	4,089	—	1,581	-3,796	—	4,930	84	15,434	38,354
Pentanes Plus .....	1,257	—	39	—	654	-146	—	1,370	18	708	1,885
Liquefied Petroleum Gases .....	8,332	1,393	4,050	—	927	-3,650	—	3,560	66	14,726	36,469
Ethane/Ethylene .....	3,271	0	8	—	-1,443	-197	—	0	0	2,033	3,005
Propane/Propylene .....	3,311	3,060	3,580	—	1,563	-1,276	—	0	41	12,749	25,729
Normal Butane/Butylene .....	1,068	-1,465	455	—	379	-2,173	—	2,273	25	312	6,287
Isobutane/Isobutylene .....	682	-202	7	—	428	-4	—	1,287	0	-368	1,448
<b>Other Liquids</b> .....	-2,657	—	3	—	2,444	-177	—	637	33	-703	27,252
Other Hydrocarbons/Oxygenates .....	1,219	—	3	—	0	121	—	1,068	33	0	2,614
Unfinished Oils .....	—	—	0	—	-27	-743	—	1,419	0	-703	13,222
Motor Gasoline Blend. Comp. ....	-3,876	—	0	—	2,471	444	—	-1,849	0	0	11,398
Aviation Gasoline Blend. Comp. ....	—	—	0	—	0	1	—	-1	0	0	18
<b>Finished Petroleum Products</b> .....	5,199	106,191	581	—	29,385	7,578	—	—	227	133,551	97,161
Finished Motor Gasoline .....	5,199	56,206	63	—	15,555	-62	—	—	4	77,082	39,408
Reformulated .....	—	9,055	0	—	1,664	-296	—	—	1	11,014	1,685
Oxygenated .....	13,234	1,115	0	—	0	43	—	—	0	14,306	273
Other .....	-8,034	46,036	63	—	13,891	191	—	—	3	51,762	37,450
Finished Aviation Gasoline .....	—	70	1	—	55	45	—	—	0	81	299
Jet Fuel .....	—	6,519	0	—	3,852	783	—	—	0	9,588	7,656
Naphtha-Type .....	—	0	0	—	0	32	—	—	0	-32	59
Kerosene-Type .....	—	6,519	0	—	3,852	751	—	—	0	9,620	7,597
Kerosene .....	—	539	0	—	-17	-156	—	—	0	678	1,281
Distillate Fuel Oil .....	—	26,466	306	—	9,563	4,178	—	—	8	32,149	32,832
0.05 percent sulfur and under .....	—	20,824	280	—	7,865	3,077	—	—	4	25,888	24,423
Greater than 0.05 percent sulfur ...	—	5,642	26	—	1,698	1,101	—	—	5	6,260	8,409
Residual Fuel Oil .....	—	2,011	35	—	-573	131	—	—	0	1,342	1,991
Petrochemical Feedstocks <sup>e</sup> .....	—	621	41	—	160	16	—	—	0	806	369
Special Naphthas .....	—	416	80	—	8	16	—	—	7	481	315
Lubricants .....	—	312	34	—	316	671	—	—	64	-73	2,159
Waxes .....	—	74	10	—	0	-4	—	—	30	58	59
Petroleum Coke .....	—	4,164	0	—	0	105	—	—	104	3,955	1,779
Asphalt and Road Oil .....	—	4,466	10	—	466	1,780	—	—	11	3,151	8,791
Still Gas .....	—	3,933	0	—	0	0	—	—	0	3,933	0
Miscellaneous Products .....	—	394	1	—	0	75	—	—	(s)	320	222
<b>Total</b> .....	26,285	107,584	30,841	1,693	87,059	1,734	0	102,727	720	148,282	231,603

<sup>a</sup> 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.

<sup>b</sup> Unaccounted for crude oil represents the difference between the supply and disposition of crude oil.

<sup>c</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks.

<sup>d</sup> Products supplied is equal to field production, plus refinery production, plus imports, plus unaccounted for crude oil, plus net receipts, minus stock change, minus crude losses, minus refinery inputs, minus exports.

<sup>e</sup> Includes naphtha less than 401° F endpoint and other oils equal to or greater than 401° F endpoint.

(s) = Less than 500 barrels.

E = Estimated.

LRG = Liquefied Refinery Gas.

— = Not Applicable.

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

Sources: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-811, "Monthly Bulk Terminal Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movement Report," and EIA-819M, "Monthly Oxygenate Telephone Report". Domestic crude oil production estimates based on historical statistics from State conservation agencies and the Minerals Management Service of the U.S. Department of the Interior. Export data from the Bureau of the Census and Form EIA-810, "Monthly Refinery Report."

**Table 11. PAD District II—Year-to-Date Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, January-December 2001**  
(Thousand Barrels)

Commodity	Supply					Disposition					Ending Stocks
	Field Production	Refinery Production	Imports by PAD District of Entry <sup>a</sup>	Unaccounted For Crude Oil <sup>b</sup>	Net Receipts	Stock Change <sup>c</sup>	Crude Losses	Refinery Inputs	Exports	Products Supplied <sup>d</sup>	
<b>Crude Oil</b> .....	<sup>E</sup> 169,464	—	328,515	-471	725,845	11,302	0	1,205,419	6,632	0	68,836
<b>Natural Gas Liquids and LRGs</b> .....	112,262	43,432	34,953	—	6,657	8,842	—	36,936	2,807	148,719	38,354
Pentanes Plus .....	15,187	—	548	—	5,884	583	—	14,485	300	6,251	1,885
Liquefied Petroleum Gases .....	97,075	43,432	34,405	—	773	8,259	—	22,451	2,507	142,468	36,469
Ethane/Ethylene .....	40,980	0	217	—	-21,268	-641	—	0	0	20,570	3,005
Propane/Propylene .....	37,341	40,782	30,755	—	15,383	9,271	—	0	954	114,036	25,729
Normal Butane/Butylene .....	10,627	3,288	3,194	—	1,693	27	—	11,215	1,553	6,007	6,287
Isobutane/Isobutylene .....	8,127	-638	239	—	4,965	-398	—	11,236	0	1,855	1,448
<b>Other Liquids</b> .....	-41,440	—	718	—	30,142	2,108	—	-6,795	536	-6,429	27,252
Other Hydrocarbons/Oxygenates .....	14,602	—	33	—	0	931	—	13,457	247	0	2,614
Unfinished Oils .....	—	—	336	—	632	324	—	7,074	0	-6,430	13,222
Motor Gasoline Blend. Comp. ....	-56,042	—	349	—	29,510	873	—	-27,345	289	0	11,398
Aviation Gasoline Blend. Comp. ....	—	—	0	—	0	-20	—	19	0	1	18
<b>Finished Petroleum Products</b> .....	73,953	1,255,822	5,567	—	321,727	4,917	—	—	4,376	1,647,776	97,161
Finished Motor Gasoline .....	73,953	642,185	819	—	180,367	4,198	—	—	103	893,023	39,408
Reformulated .....	—	99,466	0	—	23,012	749	—	—	6	121,723	1,685
Oxygenated .....	179,112	13,089	0	—	-100	-26	—	—	(s)	192,126	273
Other .....	-105,159	529,630	819	—	157,455	3,475	—	—	96	579,174	37,450
Finished Aviation Gasoline .....	—	1,477	31	—	736	-133	—	—	0	2,377	299
Jet Fuel .....	—	80,172	0	—	42,563	-459	—	—	416	122,778	7,656
Naphtha-Type .....	—	0	0	—	0	59	—	—	14	-73	59
Kerosene-Type .....	—	80,172	0	—	42,563	-518	—	—	402	122,851	7,597
Kerosene .....	—	4,693	0	—	-21	300	—	—	1	4,371	1,281
Distillate Fuel Oil .....	—	315,927	1,748	—	91,463	3,225	—	—	537	405,376	32,832
0.05 percent sulfur and under .....	—	242,782	1,382	—	74,563	2,434	—	—	398	315,895	24,423
Greater than 0.05 percent sulfur ...	—	73,145	366	—	16,900	791	—	—	139	89,481	8,409
Residual Fuel Oil .....	—	24,241	1,017	—	-3,356	88	—	—	323	21,491	1,991
Petrochemical Feedstocks <sup>e</sup> .....	—	6,912	489	—	802	-20	—	—	0	8,223	369
Special Naphthas .....	—	6,851	518	—	874	-132	—	—	143	8,232	315
Lubricants .....	—	5,378	529	—	4,463	583	—	—	890	8,897	2,159
Waxes .....	—	1,271	93	—	0	-33	—	—	217	1,180	59
Petroleum Coke .....	—	51,680	0	—	0	-293	—	—	1,109	50,864	1,779
Asphalt and Road Oil .....	—	61,953	313	—	3,836	-2,423	—	—	637	67,888	8,791
Still Gas .....	—	48,932	0	—	0	0	—	—	0	48,932	0
Miscellaneous Products .....	—	4,150	10	—	0	16	—	—	1	4,143	222
<b>Total</b> .....	<b>314,239</b>	<b>1,299,254</b>	<b>369,753</b>	<b>-471</b>	<b>1,084,371</b>	<b>27,169</b>	<b>0</b>	<b>1,235,560</b>	<b>14,351</b>	<b>1,790,065</b>	<b>231,603</b>

<sup>a</sup> 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.  
<sup>b</sup> Unaccounted for crude oil represents the difference between the supply and disposition of crude oil.  
<sup>c</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks.  
<sup>d</sup> Products supplied is equal to field production, plus refinery production, plus imports, plus unaccounted for crude oil, plus net receipts, minus stock change, minus crude losses, minus refinery inputs, minus exports.  
<sup>e</sup> Includes naphtha less than 401° F endpoint and other oils equal to or greater than 401° F endpoint.  
(s) = Less than 500 barrels.  
E = Estimated.  
LRG = Liquefied Refinery Gas.  
— = Not Applicable.  
Note: Totals may not equal sum of components due to independent rounding.  
Sources: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-811, "Monthly Bulk Terminal Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movement Report," and EIA-819M, "Monthly Oxygenate Telephone Report". Domestic crude oil production estimates based on historical statistics from State conservation agencies and the Minerals Management Service of the U.S. Department of the Interior. Export data from the Bureau of the Census and Form EIA-810, "Monthly Refinery Report."

**Table 12. PAD District II—Daily Average Supply and Disposition of Crude Oil and Petroleum Products, December 2001**  
(Thousand Barrels per Day)

Commodity	Supply					Disposition				
	Field Production	Refinery Production	Imports by PAD District of Entry <sup>a</sup>	Unaccounted For Crude Oil <sup>b</sup>	Net Receipts	Stock Change <sup>c</sup>	Crude Losses	Refinery Inputs	Exports	Products Supplied <sup>d</sup>
<b>Crude Oil</b> .....	<sup>E</sup> 457	—	844	55	1,731	-60	0	3,134	12	0
<b>Natural Gas Liquids and LRGs</b> .....	<b>309</b>	<b>45</b>	<b>132</b>	—	<b>51</b>	<b>-122</b>	—	<b>159</b>	<b>3</b>	<b>498</b>
Pentanes Plus .....	41	—	1	—	21	-5	—	44	1	23
Liquefied Petroleum Gases .....	269	45	131	—	30	-118	—	115	2	475
Ethane/Ethylene .....	106	0	(s)	—	-47	-6	—	0	0	66
Propane/Propylene .....	107	99	115	—	50	-41	—	0	1	411
Normal Butane/Butylene .....	34	-47	15	—	12	-70	—	73	1	10
Isobutane/Isobutylene .....	22	-7	(s)	—	14	(s)	—	42	0	-12
<b>Other Liquids</b> .....	<b>-86</b>	—	<b>(s)</b>	—	<b>79</b>	<b>-6</b>	—	<b>21</b>	<b>1</b>	<b>-23</b>
Other Hydrocarbons/Oxygenates ....	39	—	(s)	—	0	4	—	34	1	0
Unfinished Oils .....	—	—	0	—	-1	-24	—	46	0	-23
Motor Gasoline Blend. Comp. ....	-125	—	0	—	80	14	—	-60	0	0
Aviation Gasoline Blend. Comp. ....	—	—	0	—	0	(s)	—	(s)	0	0
<b>Finished Petroleum Products</b> .....	<b>168</b>	<b>3,426</b>	<b>19</b>	—	<b>948</b>	<b>244</b>	—	—	<b>7</b>	<b>4,308</b>
Finished Motor Gasoline .....	168	1,813	2	—	502	-2	—	—	(s)	2,487
Reformulated .....	—	292	0	—	54	-10	—	—	(s)	355
Oxygenated .....	427	36	0	—	0	1	—	—	0	461
Other .....	-259	1,485	2	—	448	6	—	—	(s)	1,670
Finished Aviation Gasoline .....	—	2	(s)	—	2	1	—	—	0	3
Jet Fuel .....	—	210	0	—	124	25	—	—	0	309
Naphtha-Type .....	—	0	0	—	0	1	—	—	0	-1
Kerosene-Type .....	—	210	0	—	124	24	—	—	0	310
Kerosene .....	—	17	0	—	-1	-5	—	—	0	22
Distillate Fuel Oil .....	—	854	10	—	308	135	—	—	(s)	1,037
0.05 percent sulfur and under .....	—	672	9	—	254	99	—	—	(s)	835
Greater than 0.05 percent sulfur ...	—	182	1	—	55	36	—	—	(s)	202
Residual Fuel Oil .....	—	65	1	—	-18	4	—	—	0	43
Petrochemical Feedstocks <sup>e</sup> .....	—	20	1	—	5	1	—	—	0	26
Special Naphthas .....	—	13	3	—	(s)	1	—	—	(s)	16
Lubricants .....	—	10	1	—	10	22	—	—	2	-2
Waxes .....	—	2	(s)	—	0	(s)	—	—	1	2
Petroleum Coke .....	—	134	0	—	0	3	—	—	3	128
Asphalt and Road Oil .....	—	144	(s)	—	15	57	—	—	(s)	102
Still Gas .....	—	127	0	—	0	0	—	—	0	127
Miscellaneous Products .....	—	13	(s)	—	0	2	—	—	(s)	10
<b>Total</b> .....	<b>848</b>	<b>3,470</b>	<b>995</b>	<b>55</b>	<b>2,808</b>	<b>56</b>	<b>0</b>	<b>3,314</b>	<b>23</b>	<b>4,783</b>

<sup>a</sup> 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.

<sup>b</sup> Unaccounted for crude oil represents the difference between the supply and disposition of crude oil.

<sup>c</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks.

<sup>d</sup> Products supplied is equal to field production, plus refinery production, plus imports, plus unaccounted for crude oil, plus net receipts, minus stock change, minus crude losses, minus refinery inputs, minus exports.

<sup>e</sup> Includes naphtha less than 401° F endpoint and other oils equal to or greater than 401° F endpoint.

(s) = Less than 500 barrels per day.

E = Estimated.

LRG = Liquefied Refinery Gas.

— = Not Applicable.

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

Sources: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-811, "Monthly Bulk Terminal Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movement Report," and EIA-819M, "Monthly Oxygenate Telephone Report". Domestic crude oil production estimates based on historical statistics from State conservation agencies and the Minerals Management Service of the U.S. Department of the Interior. Export data from the Bureau of the Census and Form EIA-810, "Monthly Refinery Report."

**Table 13. PAD District II—Year-to-Date Daily Average Supply and Disposition of Crude Oil and Petroleum Products, January-December 2001**  
(Thousand Barrels per Day)

Commodity	Supply					Disposition				
	Field Production	Refinery Production	Imports by PAD District of Entry <sup>a</sup>	Unaccounted For Crude Oil <sup>b</sup>	Net Receipts	Stock Change <sup>c</sup>	Crude Losses	Refinery Inputs	Exports	Products Supplied <sup>d</sup>
<b>Crude Oil</b> .....	<sup>E</sup> 464	—	900	-1	1,989	31	0	3,303	18	0
<b>Natural Gas Liquids and LRGs</b> .....	308	119	96	—	18	24	—	101	8	407
Pentanes Plus .....	42	—	2	—	16	2	—	40	1	17
Liquefied Petroleum Gases .....	266	119	94	—	2	23	—	62	7	390
Ethane/Ethylene .....	112	0	1	—	-58	-2	—	0	0	56
Propane/Propylene .....	102	112	84	—	42	25	—	0	3	312
Normal Butane/Butylene .....	29	9	9	—	5	(s)	—	31	4	16
Isobutane/Isobutylene .....	22	-2	1	—	14	-1	—	31	0	5
<b>Other Liquids</b> .....	-114	—	2	—	83	6	—	-19	1	-18
Other Hydrocarbons/Oxygenates ....	40	—	(s)	—	0	3	—	37	1	0
Unfinished Oils .....	—	—	1	—	2	1	—	19	0	-18
Motor Gasoline Blend. Comp. ....	-154	—	1	—	81	2	—	-75	1	0
Aviation Gasoline Blend. Comp. ....	—	—	0	—	0	(s)	—	(s)	0	(s)
<b>Finished Petroleum Products</b> .....	203	3,441	15	—	881	13	—	—	12	4,514
Finished Motor Gasoline .....	203	1,759	2	—	494	12	—	—	(s)	2,447
Reformulated .....	—	273	0	—	63	2	—	—	(s)	333
Oxygenated .....	491	36	0	—	(s)	(s)	—	—	(s)	526
Other .....	-288	1,451	2	—	431	10	—	—	(s)	1,587
Finished Aviation Gasoline .....	—	4	(s)	—	2	(s)	—	—	0	7
Jet Fuel .....	—	220	0	—	117	-1	—	—	1	336
Naphtha-Type .....	—	0	0	—	0	(s)	—	—	(s)	(s)
Kerosene-Type .....	—	220	0	—	117	-1	—	—	1	337
Kerosene .....	—	13	0	—	(s)	1	—	—	(s)	12
Distillate Fuel Oil .....	—	866	5	—	251	9	—	—	1	1,111
0.05 percent sulfur and under .....	—	665	4	—	204	7	—	—	1	865
Greater than 0.05 percent sulfur ..	—	200	1	—	46	2	—	—	(s)	245
Residual Fuel Oil .....	—	66	3	—	-9	(s)	—	—	1	59
Petrochemical Feedstocks <sup>e</sup> .....	—	19	1	—	2	(s)	—	—	0	23
Special Naphthas .....	—	19	1	—	2	(s)	—	—	(s)	23
Lubricants .....	—	15	1	—	12	2	—	—	2	24
Waxes .....	—	3	(s)	—	0	(s)	—	—	1	3
Petroleum Coke .....	—	142	0	—	0	-1	—	—	3	139
Asphalt and Road Oil .....	—	170	1	—	11	-7	—	—	2	186
Still Gas .....	—	134	0	—	0	0	—	—	0	134
Miscellaneous Products .....	—	11	(s)	—	0	(s)	—	—	(s)	11
<b>Total</b> .....	<b>861</b>	<b>3,560</b>	<b>1,013</b>	<b>-1</b>	<b>2,971</b>	<b>74</b>	<b>0</b>	<b>3,385</b>	<b>39</b>	<b>4,904</b>

<sup>a</sup> 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.

<sup>b</sup> Unaccounted for crude oil represents the difference between the supply and disposition of crude oil.

<sup>c</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks.

<sup>d</sup> Products supplied is equal to field production, plus refinery production, plus imports, plus unaccounted for crude oil, plus net receipts, minus stock change, minus crude losses, minus refinery inputs, minus exports.

<sup>e</sup> Includes naphtha less than 401° F endpoint and other oils equal to or greater than 401° F endpoint.

(s) = Less than 500 barrels per day.

E = Estimated.

LRG = Liquefied Refinery Gas.

— = Not Applicable.

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

Sources: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-811, "Monthly Bulk Terminal Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movement Report," and EIA-819M, "Monthly Oxygenate Telephone Report". Domestic crude oil production estimates based on historical statistics from State conservation agencies and the Minerals Management Service of the U.S. Department of the Interior. Export data from the Bureau of the Census and Form EIA-810, "Monthly Refinery Report."

**Table 14. PAD District III—Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, December 2001**  
(Thousand Barrels)

Commodity	Supply					Disposition					Ending Stocks
	Field Production	Refinery Production	Imports by PAD District of Entry <sup>a</sup>	Unaccounted For Crude Oil <sup>b</sup>	Net Receipts	Stock Change <sup>c</sup>	Crude Losses	Refinery Inputs	Exports	Products Supplied <sup>d</sup>	
<b>Crude Oil</b> .....	<sup>E</sup> 103,701	—	175,710	-999	-51,098	1,654	0	225,660	0	0	709,404
<b>Natural Gas Liquids and LRGs</b> .....	39,434	9,720	1,883	—	-1,584	-7,211	—	7,571	997	48,096	75,421
Pentanes Plus .....	5,680	—	1,733	—	-107	-724	—	2,709	0	5,321	4,916
Liquefied Petroleum Gases .....	33,754	9,720	150	—	-1,477	-6,487	—	4,862	997	42,775	70,505
Ethane/Ethylene .....	15,640	684	120	—	3,635	645	—	0	0	19,434	21,205
Propane/Propylene .....	11,356	10,420	30	—	-4,943	-3,258	—	0	822	19,299	31,205
Normal Butane/Butylene .....	2,051	-1,167	0	—	-58	-3,183	—	2,841	175	993	14,354
Isobutane/Isobutylene .....	4,707	-217	0	—	-111	-691	—	2,021	0	3,049	3,741
<b>Other Liquids</b> .....	1,433	—	5,520	—	-4,029	-1,885	—	6,753	775	-2,719	63,530
Other Hydrocarbons/Oxygenates ....	3,191	—	0	—	0	-821	—	3,486	526	0	5,008
Unfinished Oils .....	—	—	4,548	—	-201	-187	—	7,253	0	-2,719	42,415
Motor Gasoline Blend. Comp. ....	-1,759	—	972	—	-3,828	-879	—	-3,984	248	0	16,073
Aviation Gasoline Blend. Comp. ....	—	—	0	—	0	2	—	-2	0	0	34
<b>Finished Petroleum Products</b> .....	1,869	244,258	8,322	—	-120,530	351	—	—	21,904	111,664	128,132
Finished Motor Gasoline .....	1,869	110,648	0	—	-68,440	-698	—	—	4,966	39,809	44,753
Reformulated .....	—	21,001	0	—	-12,433	1,578	—	—	0	6,990	12,121
Oxygenated .....	1,103	180	0	—	0	0	—	—	0	1,283	1
Other .....	766	89,467	0	—	-56,007	-2,276	—	—	4,966	31,536	32,631
Finished Aviation Gasoline .....	—	137	0	—	-136	-134	—	—	0	135	493
Jet Fuel .....	—	24,412	0	—	-17,571	-27	—	—	1,307	5,561	13,349
Naphtha-Type .....	—	0	0	—	0	0	—	—	154	-154	1
Kerosene-Type .....	—	24,412	0	—	-17,571	-27	—	—	1,153	5,715	13,348
Kerosene .....	—	1,105	0	—	-92	-417	—	—	1	1,429	672
Distillate Fuel Oil .....	—	56,944	375	—	-32,975	145	—	—	4,124	20,075	32,982
0.05 percent sulfur and under ....	—	42,209	7	—	-21,315	229	—	—	1,625	19,047	21,801
Greater than 0.05 percent sulfur ...	—	14,735	368	—	-11,660	-84	—	—	2,499	1,028	11,181
Residual Fuel Oil .....	—	9,693	2,033	—	573	391	—	—	4,072	7,836	15,647
Petrochemical Feedstocks <sup>e</sup> .....	—	9,556	5,902	—	-70	138	—	—	0	15,250	2,878
Special Naphthas .....	—	753	7	—	-69	121	—	—	67	503	1,549
Lubricants .....	—	3,835	0	—	-823	678	—	—	689	1,645	7,235
Waxes .....	—	344	5	—	0	4	—	—	23	322	395
Petroleum Coke .....	—	13,398	0	—	0	-596	—	—	6,623	7,371	3,576
Asphalt and Road Oil .....	—	2,947	0	—	-927	660	—	—	32	1,328	4,123
Still Gas .....	—	9,275	0	—	0	0	—	—	0	9,275	0
Miscellaneous Products .....	—	1,211	0	—	0	86	—	—	(s)	1,125	480
<b>Total</b> .....	146,437	253,978	191,435	-999	-177,241	-7,091	0	239,984	23,676	157,040	976,487

<sup>a</sup> 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.

<sup>b</sup> Unaccounted for crude oil represents the difference between the supply and disposition of crude oil.

<sup>c</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks.

<sup>d</sup> Products supplied is equal to field production, plus refinery production, plus imports, plus unaccounted for crude oil, plus net receipts, minus stock change, minus crude losses, minus refinery inputs, minus exports.

<sup>e</sup> Includes naphtha less than 401° F endpoint and other oils equal to or greater than 401° F endpoint.

(s) = Less than 500 barrels.

E = Estimated.

LRG = Liquefied Refinery Gas.

— = Not Applicable.

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

Sources: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-811, "Monthly Bulk Terminal Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movement Report," and EIA-819M, "Monthly Oxygenate Telephone Report". Domestic crude oil production estimates based on historical statistics from State conservation agencies and the Minerals Management Service of the U.S. Department of the Interior. Export data from the Bureau of the Census and Form EIA-810, "Monthly Refinery Report."

**Table 15. PAD District III—Year-to-Date Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, January-December 2001**  
(Thousand Barrels)

Commodity	Supply					Disposition					Ending Stocks
	Field Production	Refinery Production	Imports by PAD District of Entry <sup>a</sup>	Unaccounted For Crude Oil <sup>b</sup>	Net Receipts	Stock Change <sup>c</sup>	Crude Losses	Refinery Inputs	Exports	Products Supplied <sup>d</sup>	
<b>Crude Oil</b> .....	<sup>E</sup> 1,201,721	—	2,129,412	41,705	-691,895	23,214	0	2,657,724	5	0	709,404
<b>Natural Gas Liquids and LRGs</b> .....	452,918	153,267	30,985	—	14,101	27,354	—	65,575	10,310	548,032	75,421
Pentanes Plus .....	68,868	—	13,433	—	148	1,393	—	22,671	2	58,383	4,916
Liquefied Petroleum Gases .....	384,050	153,267	17,552	—	13,953	25,961	—	42,904	10,309	489,648	70,505
Ethane/Ethylene .....	177,274	7,287	1,440	—	51,198	8,501	—	0	0	228,698	21,205
Propane/Propylene .....	128,000	121,882	3,563	—	-39,086	12,195	—	0	7,872	194,292	31,205
Normal Butane/Butylene .....	24,273	23,177	8,068	—	2,972	4,854	—	18,674	2,437	32,525	14,354
Isobutane/Isobutylene .....	54,503	921	4,481	—	-1,131	411	—	24,230	0	34,133	3,741
<b>Other Liquids</b> .....	42,124	—	76,969	—	-40,597	962	—	111,693	10,072	-44,231	63,530
Other Hydrocarbons/Oxygenates ....	49,998	—	173	—	0	-378	—	43,284	7,265	0	5,008
Unfinished Oils .....	—	—	65,622	—	-513	-649	—	109,987	0	-44,229	42,415
Motor Gasoline Blend. Comp. ....	-7,874	—	11,174	—	-40,084	1,979	—	-41,570	2,807	0	16,073
Aviation Gasoline Blend. Comp. ....	—	—	0	—	0	10	—	-8	0	-2	34
<b>Finished Petroleum Products</b> .....	9,344	2,856,604	125,217	—	-1,390,531	2,969	—	—	212,861	1,384,803	128,132
Finished Motor Gasoline .....	9,344	1,305,696	1,609	—	-787,961	2,353	—	—	39,571	486,764	44,753
Reformulated .....	—	245,722	240	—	-142,917	3,557	—	—	391	99,097	12,121
Oxygenated .....	14,695	1,301	0	—	-7,043	-58	—	—	1	9,010	1
Other .....	-5,351	1,058,673	1,369	—	-638,001	-1,146	—	—	39,179	378,657	32,631
Finished Aviation Gasoline .....	—	3,821	0	—	-1,644	188	—	—	0	1,989	493
Jet Fuel .....	—	288,654	211	—	-218,419	-1,187	—	—	6,366	65,267	13,349
Naphtha-Type .....	—	9	0	—	0	-70	—	—	155	-76	1
Kerosene-Type .....	—	288,645	211	—	-218,419	-1,117	—	—	6,211	65,343	13,348
Kerosene .....	—	15,552	0	—	-703	26	—	—	576	14,247	672
Distillate Fuel Oil .....	—	629,224	9,070	—	-354,456	1,697	—	—	28,656	253,485	32,982
0.05 percent sulfur and under .....	—	435,931	1,540	—	-237,528	1,941	—	—	7,598	190,404	21,801
Greater than 0.05 percent sulfur ...	—	193,293	7,530	—	-116,928	-244	—	—	21,058	63,081	11,181
Residual Fuel Oil .....	—	131,658	30,386	—	-4,625	1,336	—	—	47,456	108,627	15,647
Petrochemical Feedstocks <sup>e</sup> .....	—	104,395	81,924	—	-30	-480	—	—	0	186,769	2,878
Special Naphthas .....	—	11,407	1,262	—	-1,405	0	—	—	1,234	10,030	1,549
Lubricants .....	—	44,385	102	—	-12,597	491	—	—	5,974	25,425	7,235
Waxes .....	—	3,997	79	—	0	-113	—	—	500	3,689	395
Petroleum Coke .....	—	147,211	0	—	0	-752	—	—	82,156	65,807	3,576
Asphalt and Road Oil .....	—	44,673	459	—	-8,691	-658	—	—	365	36,734	4,123
Still Gas .....	—	112,314	0	—	0	0	—	—	0	112,314	0
Miscellaneous Products .....	—	13,617	115	—	0	68	—	—	8	13,656	480
<b>Total</b> .....	<b>1,706,107</b>	<b>3,009,871</b>	<b>2,362,583</b>	<b>41,705</b>	<b>-2,108,922</b>	<b>54,499</b>	<b>0</b>	<b>2,834,992</b>	<b>233,249</b>	<b>1,888,604</b>	<b>976,487</b>

<sup>a</sup> 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.

<sup>b</sup> Unaccounted for crude oil represents the difference between the supply and disposition of crude oil.

<sup>c</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks.

<sup>d</sup> Products supplied is equal to field production, plus refinery production, plus imports, plus unaccounted for crude oil, plus net receipts, minus stock change, minus crude losses, minus refinery inputs, minus exports.

<sup>e</sup> Includes naphtha less than 401° F endpoint and other oils equal to or greater than 401° F endpoint.

(s) = Less than 500 barrels.

E = Estimated.

LRG = Liquefied Refinery Gas.

— = Not Applicable.

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

Sources: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-811, "Monthly Bulk Terminal Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movement Report," and EIA-819M, "Monthly Oxygenate Telephone Report". Domestic crude oil production estimates based on historical statistics from State conservation agencies and the Minerals Management Service of the U.S. Department of the Interior. Export data from the Bureau of the Census and Form EIA-810, "Monthly Refinery Report."

**Table 16. PAD District III—Daily Average Supply and Disposition of Crude Oil and Petroleum Products, December 2001**  
(Thousand Barrels per Day)

Commodity	Supply					Disposition				
	Field Production	Refinery Production	Imports by PAD District of Entry <sup>a</sup>	Unaccounted For Crude Oil <sup>b</sup>	Net Receipts	Stock Change <sup>c</sup>	Crude Losses	Refinery Inputs	Exports	Products Supplied <sup>d</sup>
<b>Crude Oil</b> .....	<sup>E</sup> 3,345	—	5,668	-32	-1,648	53	0	7,279	0	0
<b>Natural Gas Liquids and LRGs</b> .....	1,272	314	61	—	-51	-233	—	244	32	1,551
Pentanes Plus .....	183	—	56	—	-3	-23	—	87	0	172
Liquefied Petroleum Gases .....	1,089	314	5	—	-48	-209	—	157	32	1,380
Ethane/Ethylene .....	505	22	4	—	117	21	—	0	0	627
Propane/Propylene .....	366	336	1	—	-159	-105	—	0	27	623
Normal Butane/Butylene .....	66	-38	0	—	-2	-103	—	92	6	32
Isobutane/Isobutylene .....	152	-7	0	—	-4	-22	—	65	0	98
<b>Other Liquids</b> .....	46	—	178	—	-130	-61	—	218	25	-88
Other Hydrocarbons/Oxygenates ....	103	—	0	—	0	-26	—	112	17	0
Unfinished Oils .....	—	—	147	—	-6	-6	—	234	0	-88
Motor Gasoline Blend. Comp. ....	-57	—	31	—	-123	-28	—	-129	8	0
Aviation Gasoline Blend. Comp. ....	—	—	0	—	0	(s)	—	(s)	0	0
<b>Finished Petroleum Products</b> .....	60	7,879	268	—	-3,888	11	—	—	707	3,602
Finished Motor Gasoline .....	60	3,569	0	—	-2,208	-23	—	—	160	1,284
Reformulated .....	—	677	0	—	-401	51	—	—	0	225
Oxygenated .....	36	6	0	—	0	0	—	—	0	41
Other .....	25	2,886	0	—	-1,807	-73	—	—	160	1,017
Finished Aviation Gasoline .....	—	4	0	—	-4	-4	—	—	0	4
Jet Fuel .....	—	787	0	—	-567	-1	—	—	42	179
Naphtha-Type .....	—	0	0	—	0	0	—	—	5	-5
Kerosene-Type .....	—	787	0	—	-567	-1	—	—	37	184
Kerosene .....	—	36	0	—	-3	-13	—	—	(s)	46
Distillate Fuel Oil .....	—	1,837	12	—	-1,064	5	—	—	133	648
0.05 percent sulfur and under .....	—	1,362	(s)	—	-688	7	—	—	52	614
Greater than 0.05 percent sulfur ...	—	475	12	—	-376	-3	—	—	81	33
Residual Fuel Oil .....	—	313	66	—	18	13	—	—	131	253
Petrochemical Feedstocks <sup>e</sup> .....	—	308	190	—	-2	4	—	—	0	492
Special Naphthas .....	—	24	(s)	—	-2	4	—	—	2	16
Lubricants .....	—	124	0	—	-27	22	—	—	22	53
Waxes .....	—	11	(s)	—	0	(s)	—	—	1	10
Petroleum Coke .....	—	432	0	—	0	-19	—	—	214	238
Asphalt and Road Oil .....	—	95	0	—	-30	21	—	—	1	43
Still Gas .....	—	299	0	—	0	0	—	—	0	299
Miscellaneous Products .....	—	39	0	—	0	3	—	—	(s)	36
<b>Total</b> .....	<b>4,724</b>	<b>8,193</b>	<b>6,175</b>	<b>-32</b>	<b>-5,717</b>	<b>-229</b>	<b>0</b>	<b>7,741</b>	<b>764</b>	<b>5,066</b>

<sup>a</sup> 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.

<sup>b</sup> Unaccounted for crude oil represents the difference between the supply and disposition of crude oil.

<sup>c</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks.

<sup>d</sup> Products supplied is equal to field production, plus refinery production, plus imports, plus unaccounted for crude oil, plus net receipts, minus stock change, minus crude losses, minus refinery inputs, minus exports.

<sup>e</sup> Includes naphtha less than 401° F endpoint and other oils equal to or greater than 401° F endpoint.

(s) = Less than 500 barrels per day.

E = Estimated.

LRG = Liquefied Refinery Gas.

— = Not Applicable.

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

Sources: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-811, "Monthly Bulk Terminal Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movement Report," and EIA-819M, "Monthly Oxygenate Telephone Report". Domestic crude oil production estimates based on historical statistics from State conservation agencies and the Minerals Management Service of the U.S. Department of the Interior. Export data from the Bureau of the Census and Form EIA-810, "Monthly Refinery Report."

**Table 17. PAD District III—Year-to-Date Daily Average Supply and Disposition of Crude Oil and Petroleum Products, January-December 2001**  
(Thousand Barrels per Day)

Commodity	Supply					Disposition				
	Field Production	Refinery Production	Imports by PAD District of Entry <sup>a</sup>	Unaccounted For Crude Oil <sup>b</sup>	Net Receipts	Stock Change <sup>c</sup>	Crude Losses	Refinery Inputs	Exports	Products Supplied <sup>d</sup>
<b>Crude Oil</b> .....	<sup>E</sup> 3,292	—	5,834	114	-1,896	64	0	7,281	(s)	0
<b>Natural Gas Liquids and LRGs</b> .....	1,241	420	85	—	39	75	—	180	28	1,501
Pentanes Plus .....	189	—	37	—	(s)	4	—	62	(s)	160
Liquefied Petroleum Gases .....	1,052	420	48	—	38	71	—	118	28	1,342
Ethane/Ethylene .....	486	20	4	—	140	23	—	0	0	627
Propane/Propylene .....	351	334	10	—	-107	33	—	0	22	532
Normal Butane/Butylene .....	67	63	22	—	8	13	—	51	7	89
Isobutane/Isobutylene .....	149	3	12	—	-3	1	—	66	0	94
<b>Other Liquids</b> .....	115	—	211	—	-111	3	—	306	28	-121
Other Hydrocarbons/Oxygenates .....	137	—	(s)	—	0	-1	—	119	20	0
Unfinished Oils .....	—	—	180	—	-1	-2	—	301	0	-121
Motor Gasoline Blend. Comp. ....	-22	—	31	—	-110	5	—	-114	8	0
Aviation Gasoline Blend. Comp. ....	—	—	0	—	0	(s)	—	(s)	0	(s)
<b>Finished Petroleum Products</b> .....	26	7,826	343	—	-3,810	8	—	—	583	3,794
Finished Motor Gasoline .....	26	3,577	4	—	-2,159	6	—	—	108	1,334
Reformulated .....	—	673	1	—	-392	10	—	—	1	271
Oxygenated .....	40	4	0	—	-19	(s)	—	—	(s)	25
Other .....	-15	2,900	4	—	-1,748	-3	—	—	107	1,037
Finished Aviation Gasoline .....	—	10	0	—	-5	1	—	—	0	5
Jet Fuel .....	—	791	1	—	-598	-3	—	—	17	179
Naphtha-Type .....	—	(s)	0	—	0	(s)	—	—	(s)	(s)
Kerosene-Type .....	—	791	1	—	-598	-3	—	—	17	179
Kerosene .....	—	43	0	—	-2	(s)	—	—	2	39
Distillate Fuel Oil .....	—	1,724	25	—	-971	5	—	—	79	694
0.05 percent sulfur and under .....	—	1,194	4	—	-651	5	—	—	21	522
Greater than 0.05 percent sulfur ...	—	530	21	—	-320	-1	—	—	58	173
Residual Fuel Oil .....	—	361	83	—	-13	4	—	—	130	298
Petrochemical Feedstocks <sup>e</sup> .....	—	286	224	—	(s)	-1	—	—	0	512
Special Naphthas .....	—	31	3	—	-4	0	—	—	3	27
Lubricants .....	—	122	(s)	—	-35	1	—	—	16	70
Waxes .....	—	11	(s)	—	0	(s)	—	—	1	10
Petroleum Coke .....	—	403	0	—	0	-2	—	—	225	180
Asphalt and Road Oil .....	—	122	1	—	-24	-2	—	—	1	101
Still Gas .....	—	308	0	—	0	0	—	—	0	308
Miscellaneous Products .....	—	37	(s)	—	0	(s)	—	—	(s)	37
<b>Total</b> .....	<b>4,674</b>	<b>8,246</b>	<b>6,473</b>	<b>114</b>	<b>-5,778</b>	<b>149</b>	<b>0</b>	<b>7,767</b>	<b>639</b>	<b>5,174</b>

<sup>a</sup> 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.

<sup>b</sup> Unaccounted for crude oil represents the difference between the supply and disposition of crude oil.

<sup>c</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks.

<sup>d</sup> Products supplied is equal to field production, plus refinery production, plus imports, plus unaccounted for crude oil, plus net receipts, minus stock change, minus crude losses, minus refinery inputs, minus exports.

<sup>e</sup> Includes naphtha less than 401° F endpoint and other oils equal to or greater than 401° F endpoint.

(s) = Less than 500 barrels per day.

E = Estimated.

LRG = Liquefied Refinery Gas.

— = Not Applicable.

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

Sources: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-811, "Monthly Bulk Terminal Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movement Report," and EIA-819M, "Monthly Oxygenate Telephone Report". Domestic crude oil production estimates based on historical statistics from State conservation agencies and the Minerals Management Service of the U.S. Department of the Interior. Export data from the Bureau of the Census and Form EIA-810, "Monthly Refinery Report."

**Table 18. PAD District IV—Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, December 2001**  
(Thousand Barrels)

Commodity	Supply					Disposition					Ending Stocks
	Field Production	Refinery Production	Imports by PAD District of Entry <sup>a</sup>	Unaccounted For Crude Oil <sup>b</sup>	Net Receipts	Stock Change <sup>c</sup>	Crude Losses	Refinery Inputs	Exports	Products Supplied <sup>d</sup>	
<b>Crude Oil</b> .....	<sup>E</sup> 8,736	—	8,526	1,265	-2,726	394	0	15,402	5	0	<b>13,866</b>
<b>Natural Gas Liquids and LRGs</b> .....	<b>5,845</b>	<b>125</b>	<b>576</b>	—	<b>-4,736</b>	<b>-35</b>	—	<b>636</b>	<b>50</b>	<b>1,159</b>	<b>1,913</b>
Pentanes Plus .....	902	—	111	—	-547	10	—	181	0	275	217
Liquefied Petroleum Gases .....	4,943	125	465	—	-4,189	-45	—	455	50	884	1,696
Ethane/Ethylene .....	1,992	0	0	—	-2,192	-1	—	0	0	-199	463
Propane/Propylene .....	1,862	285	345	—	-1,222	-56	—	0	(s)	1,326	630
Normal Butane/Butylene .....	771	-128	120	—	-458	15	—	320	50	-80	421
Isobutane/Isobutylene .....	318	-32	0	—	-317	-3	—	135	0	-163	182
<b>Other Liquids</b> .....	<b>611</b>	—	<b>0</b>	—	<b>0</b>	<b>-459</b>	—	<b>1,163</b>	<b>0</b>	<b>-93</b>	<b>4,780</b>
Other Hydrocarbons/Oxygenates .....	246	—	0	—	0	13	—	233	0	0	189
Unfinished Oils .....	—	—	0	—	0	-481	—	574	0	-93	2,403
Motor Gasoline Blend. Comp. ....	365	—	0	—	0	9	—	356	0	0	2,188
Aviation Gasoline Blend. Comp. ....	—	—	0	—	0	0	—	0	0	0	0
<b>Finished Petroleum Products</b> .....	<b>-291</b>	<b>17,573</b>	<b>225</b>	—	<b>540</b>	<b>1,034</b>	—	—	<b>18</b>	<b>16,995</b>	<b>11,820</b>
Finished Motor Gasoline .....	-291	8,789	11	—	-321	128	—	—	0	8,060	5,160
Reformulated .....	—	0	0	—	0	0	—	—	0	0	0
Oxygenated .....	735	1,345	0	—	0	-7	—	—	0	2,087	51
Other .....	-1,027	7,444	11	—	-321	135	—	—	0	5,972	5,109
Finished Aviation Gasoline .....	—	5	21	—	5	8	—	—	0	23	36
Jet Fuel .....	—	807	1	—	993	9	—	—	0	1,792	862
Naphtha-Type .....	—	0	0	—	0	0	—	—	0	0	0
Kerosene-Type .....	—	807	1	—	993	9	—	—	0	1,792	862
Kerosene .....	—	108	0	—	-29	24	—	—	0	55	81
Distillate Fuel Oil .....	—	4,811	149	—	-108	169	—	—	0	4,683	3,407
0.05 percent sulfur and under .....	—	3,991	129	—	-107	236	—	—	0	3,777	3,059
Greater than 0.05 percent sulfur ...	—	820	20	—	-1	-67	—	—	0	906	348
Residual Fuel Oil .....	—	384	0	—	0	63	—	—	0	321	609
Petrochemical Feedstocks <sup>e</sup> .....	—	30	0	—	0	0	—	—	0	30	0
Special Naphthas .....	—	0	0	—	0	0	—	—	(s)	(s)	4
Lubricants .....	—	0	0	—	0	0	—	—	15	-15	0
Waxes .....	—	102	0	—	0	-5	—	—	0	107	7
Petroleum Coke .....	—	532	0	—	0	2	—	—	1	529	34
Asphalt and Road Oil .....	—	1,332	43	—	0	634	—	—	2	739	1,595
Still Gas .....	—	607	0	—	0	0	—	—	0	607	0
Miscellaneous Products .....	—	66	0	—	0	2	—	—	0	64	25
<b>Total</b> .....	<b>14,901</b>	<b>17,698</b>	<b>9,327</b>	<b>1,265</b>	<b>-6,922</b>	<b>934</b>	<b>0</b>	<b>17,201</b>	<b>73</b>	<b>18,061</b>	<b>32,379</b>

<sup>a</sup> 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.

<sup>b</sup> Unaccounted for crude oil represents the difference between the supply and disposition of crude oil.

<sup>c</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks.

<sup>d</sup> Products supplied is equal to field production, plus refinery production, plus imports, plus unaccounted for crude oil, plus net receipts, minus stock change, minus crude losses, minus refinery inputs, minus exports.

<sup>e</sup> Includes naphtha less than 401° F endpoint and other oils equal to or greater than 401° F endpoint.

(s) = Less than 500 barrels.

E = Estimated.

LRG = Liquefied Refinery Gas.

— = Not Applicable.

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

Sources: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-811, "Monthly Bulk Terminal Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movement Report," and EIA-819M, "Monthly Oxygenate Telephone Report". Domestic crude oil production estimates based on historical statistics from State conservation agencies and the Minerals Management Service of the U.S. Department of the Interior. Export data from the Bureau of the Census and Form EIA-810, "Monthly Refinery Report."

**Table 19. PAD District IV—Year-to-Date Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, January-December 2001**  
(Thousand Barrels)

Commodity	Supply					Disposition					Ending Stocks
	Field Production	Refinery Production	Imports by PAD District of Entry <sup>a</sup>	Unaccounted For Crude Oil <sup>b</sup>	Net Receipts	Stock Change <sup>c</sup>	Crude Losses	Refinery Inputs	Exports	Products Supplied <sup>d</sup>	
<b>Crude Oil</b> .....	<sup>E</sup> 105,399	—	92,088	20,815	-35,085	709	0	182,483	25	0	13,866
<b>Natural Gas Liquids and LRGs</b> .....	77,116	2,275	4,841	—	-61,179	140	—	6,377	359	16,177	1,913
Pentanes Plus .....	10,989	—	1,311	—	-6,032	-64	—	2,405	92	3,835	217
Liquefied Petroleum Gases .....	66,127	2,275	3,530	—	-55,147	204	—	3,972	266	12,343	1,696
Ethane/Ethylene .....	31,179	0	0	—	-29,930	8	—	0	0	1,241	463
Propane/Propylene .....	22,131	2,964	2,443	—	-15,783	133	—	0	63	11,559	630
Normal Butane/Butylene .....	8,781	-274	1,041	—	-5,637	66	—	2,343	204	1,298	421
Isobutane/Isobutylene .....	4,036	-415	46	—	-3,797	-3	—	1,629	0	-1,756	182
<b>Other Liquids</b> .....	4,817	—	0	—	22	643	—	5,457	13	-1,274	4,780
Other Hydrocarbons/Oxygenates ....	1,611	—	0	—	0	33	—	1,565	13	0	189
Unfinished Oils .....	—	—	0	—	0	181	—	1,093	0	-1,274	2,403
Motor Gasoline Blend. Comp. ....	3,206	—	0	—	22	429	—	2,799	0	0	2,188
Aviation Gasoline Blend. Comp. ....	—	—	0	—	0	0	—	0	0	0	0
<b>Finished Petroleum Products</b> .....	-2,106	198,578	2,615	—	22,889	204	—	—	207	221,565	11,820
Finished Motor Gasoline .....	-2,106	97,862	119	—	4,368	743	—	—	1	99,499	5,160
Reformulated .....	—	0	0	—	0	0	—	—	0	0	0
Oxygenated .....	10,999	7,769	0	—	100	-22	—	—	0	18,890	51
Other .....	-13,105	90,093	119	—	4,268	765	—	—	1	80,610	5,109
Finished Aviation Gasoline .....	—	156	154	—	102	-2	—	—	0	414	36
Jet Fuel .....	—	9,787	11	—	14,830	9	—	—	(s)	24,619	862
Naphtha-Type .....	—	0	0	—	0	0	—	—	0	0	0
Kerosene-Type .....	—	9,787	11	—	14,830	9	—	—	(s)	24,619	862
Kerosene .....	—	547	0	—	-120	-10	—	—	1	436	81
Distillate Fuel Oil .....	—	54,698	2,059	—	3,709	114	—	—	0	60,352	3,407
0.05 percent sulfur and under .....	—	45,016	1,955	—	3,713	242	—	—	0	50,442	3,059
Greater than 0.05 percent sulfur ...	—	9,682	104	—	-4	-128	—	—	0	9,910	348
Residual Fuel Oil .....	—	4,151	3	—	0	238	—	—	0	3,916	609
Petrochemical Feedstocks <sup>e</sup> .....	—	293	0	—	0	0	—	—	0	293	0
Special Naphthas .....	—	-7	0	—	0	-2	—	—	8	-13	4
Lubricants .....	—	0	0	—	0	0	—	—	169	-169	0
Waxes .....	—	1,108	0	—	0	1	—	—	(s)	1,107	7
Petroleum Coke .....	—	5,999	0	—	0	-56	—	—	11	6,044	34
Asphalt and Road Oil .....	—	15,860	248	—	0	-834	—	—	17	16,925	1,595
Still Gas .....	—	7,384	0	—	0	0	—	—	0	7,384	0
Miscellaneous Products .....	—	740	21	—	0	3	—	—	(s)	758	25
<b>Total</b> .....	185,226	200,853	99,544	20,815	-73,353	1,696	0	194,317	603	236,468	32,379

<sup>a</sup> 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.

<sup>b</sup> Unaccounted for crude oil represents the difference between the supply and disposition of crude oil.

<sup>c</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks.

<sup>d</sup> Products supplied is equal to field production, plus refinery production, plus imports, plus unaccounted for crude oil, plus net receipts, minus stock change, minus crude losses, minus refinery inputs, minus exports.

<sup>e</sup> Includes naphtha less than 401° F endpoint and other oils equal to or greater than 401° F endpoint.

(s) = Less than 500 barrels.

E = Estimated.

LRG = Liquefied Refinery Gas.

— = Not Applicable.

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

Sources: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-811, "Monthly Bulk Terminal Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movement Report," and EIA-819M, "Monthly Oxygenate Telephone Report". Domestic crude oil production estimates based on historical statistics from State conservation agencies and the Minerals Management Service of the U.S. Department of the Interior. Export data from the Bureau of the Census and Form EIA-810, "Monthly Refinery Report."

**Table 20. PAD District IV—Daily Average Supply and Disposition of Crude Oil and Petroleum Products, December 2001**  
(Thousand Barrels per Day)

Commodity	Supply					Disposition				
	Field Production	Refinery Production	Imports by PAD District of Entry <sup>a</sup>	Unaccounted For Crude Oil <sup>b</sup>	Net Receipts	Stock Change <sup>c</sup>	Crude Losses	Refinery Inputs	Exports	Products Supplied <sup>d</sup>
<b>Crude Oil</b> .....	<sup>E</sup> 282	—	275	41	-88	13	0	497	(s)	0
<b>Natural Gas Liquids and LRGs</b> .....	189	4	19	—	-153	-1	—	21	2	37
Pentanes Plus .....	29	—	4	—	-18	(s)	—	6	0	9
Liquefied Petroleum Gases .....	159	4	15	—	-135	-1	—	15	2	29
Ethane/Ethylene .....	64	0	0	—	-71	(s)	—	0	0	-6
Propane/Propylene .....	60	9	11	—	-39	-2	—	0	(s)	43
Normal Butane/Butylene .....	25	-4	4	—	-15	(s)	—	10	2	-3
Isobutane/Isobutylene .....	10	-1	0	—	-10	(s)	—	4	0	-5
<b>Other Liquids</b> .....	20	—	0	—	0	-15	—	38	0	-3
Other Hydrocarbons/Oxygenates ....	8	—	0	—	0	(s)	—	8	0	0
Unfinished Oils .....	—	—	0	—	0	-16	—	19	0	-3
Motor Gasoline Blend. Comp. ....	12	—	0	—	0	(s)	—	11	0	0
Aviation Gasoline Blend. Comp. ....	—	—	0	—	0	0	—	0	0	0
<b>Finished Petroleum Products</b> .....	-9	567	7	—	17	33	—	—	1	548
Finished Motor Gasoline .....	-9	284	(s)	—	-10	4	—	—	0	260
Reformulated .....	—	0	0	—	0	0	—	—	0	0
Oxygenated .....	24	43	0	—	0	(s)	—	—	0	67
Other .....	-33	240	(s)	—	-10	4	—	—	0	193
Finished Aviation Gasoline .....	—	(s)	1	—	(s)	(s)	—	—	0	1
Jet Fuel .....	—	26	(s)	—	32	(s)	—	—	0	58
Naphtha-Type .....	—	0	0	—	0	0	—	—	0	0
Kerosene-Type .....	—	26	(s)	—	32	(s)	—	—	0	58
Kerosene .....	—	3	0	—	-1	1	—	—	0	2
Distillate Fuel Oil .....	—	155	5	—	-3	5	—	—	0	151
0.05 percent sulfur and under .....	—	129	4	—	-3	8	—	—	0	122
Greater than 0.05 percent sulfur ...	—	26	1	—	(s)	-2	—	—	0	29
Residual Fuel Oil .....	—	12	0	—	0	2	—	—	0	10
Petrochemical Feedstocks <sup>e</sup> .....	—	1	0	—	0	0	—	—	0	1
Special Naphthas .....	—	0	0	—	0	0	—	—	(s)	(s)
Lubricants .....	—	0	0	—	0	0	—	—	(s)	(s)
Waxes .....	—	3	0	—	0	(s)	—	—	0	3
Petroleum Coke .....	—	17	0	—	0	(s)	—	—	(s)	17
Asphalt and Road Oil .....	—	43	1	—	0	20	—	—	(s)	24
Still Gas .....	—	20	0	—	0	0	—	—	0	20
Miscellaneous Products .....	—	2	0	—	0	(s)	—	—	0	2
<b>Total</b> .....	<b>481</b>	<b>571</b>	<b>301</b>	<b>41</b>	<b>-223</b>	<b>30</b>	<b>0</b>	<b>555</b>	<b>2</b>	<b>583</b>

<sup>a</sup> 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.

<sup>b</sup> Unaccounted for crude oil represents the difference between the supply and disposition of crude oil.

<sup>c</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks.

<sup>d</sup> Products supplied is equal to field production, plus refinery production, plus imports, plus unaccounted for crude oil, plus net receipts, minus stock change, minus crude losses, minus refinery inputs, minus exports.

<sup>e</sup> Includes naphtha less than 401° F endpoint and other oils equal to or greater than 401° F endpoint.

(s) = Less than 500 barrels per day.

E = Estimated.

LRG = Liquefied Refinery Gas.

— = Not Applicable.

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

Sources: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-811, "Monthly Bulk Terminal Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movement Report," and EIA-819M, "Monthly Oxygenate Telephone Report". Domestic crude oil production estimates based on historical statistics from State conservation agencies and the Minerals Management Service of the U.S. Department of the Interior. Export data from the Bureau of the Census and Form EIA-810, "Monthly Refinery Report."

**Table 21. PAD District IV—Year-to-Date Daily Average Supply and Disposition of Crude Oil and Petroleum Products, January-December 2001**  
(Thousand Barrels per Day)

Commodity	Supply					Disposition				
	Field Production	Refinery Production	Imports by PAD District of Entry <sup>a</sup>	Unaccounted For Crude Oil <sup>b</sup>	Net Receipts	Stock Change <sup>c</sup>	Crude Losses	Refinery Inputs	Exports	Products Supplied <sup>d</sup>
<b>Crude Oil</b> .....	<sup>E</sup> 289	—	252	57	-96	2	0	500	(s)	0
<b>Natural Gas Liquids and LRGs</b> .....	211	6	13	—	-168	(s)	—	17	1	44
Pentanes Plus .....	30	—	4	—	-17	(s)	—	7	(s)	11
Liquefied Petroleum Gases .....	181	6	10	—	-151	1	—	11	1	34
Ethane/Ethylene .....	85	0	0	—	-82	(s)	—	0	0	3
Propane/Propylene .....	61	8	7	—	-43	(s)	—	0	(s)	32
Normal Butane/Butylene .....	24	-1	3	—	-15	(s)	—	6	1	4
Isobutane/Isobutylene .....	11	-1	(s)	—	-10	(s)	—	4	0	-5
<b>Other Liquids</b> .....	13	—	0	—	(s)	2	—	15	(s)	-3
Other Hydrocarbons/Oxygenates .....	4	—	0	—	0	(s)	—	4	(s)	0
Unfinished Oils .....	—	—	0	—	0	(s)	—	3	0	-3
Motor Gasoline Blend. Comp. ....	9	—	0	—	(s)	1	—	8	0	0
Aviation Gasoline Blend. Comp. ....	—	—	0	—	0	0	—	0	0	0
<b>Finished Petroleum Products</b> .....	-6	544	7	—	63	1	—	—	1	607
Finished Motor Gasoline .....	-6	268	(s)	—	12	2	—	—	(s)	273
Reformulated .....	—	0	0	—	0	0	—	—	0	0
Oxygenated .....	30	21	0	—	(s)	(s)	—	—	0	52
Other .....	-36	247	(s)	—	12	2	—	—	(s)	221
Finished Aviation Gasoline .....	—	(s)	(s)	—	(s)	(s)	—	—	0	1
Jet Fuel .....	—	27	(s)	—	41	(s)	—	—	(s)	67
Naphtha-Type .....	—	0	0	—	0	0	—	—	0	0
Kerosene-Type .....	—	27	(s)	—	41	(s)	—	—	(s)	67
Kerosene .....	—	1	0	—	(s)	(s)	—	—	(s)	1
Distillate Fuel Oil .....	—	150	6	—	10	(s)	—	—	0	165
0.05 percent sulfur and under .....	—	123	5	—	10	1	—	—	0	138
Greater than 0.05 percent sulfur ...	—	27	(s)	—	(s)	(s)	—	—	0	27
Residual Fuel Oil .....	—	11	(s)	—	0	1	—	—	0	11
Petrochemical Feedstocks <sup>e</sup> .....	—	1	0	—	0	0	—	—	0	1
Special Naphthas .....	—	(s)	0	—	0	(s)	—	—	(s)	(s)
Lubricants .....	—	0	0	—	0	0	—	—	(s)	(s)
Waxes .....	—	3	0	—	0	(s)	—	—	(s)	3
Petroleum Coke .....	—	16	0	—	0	(s)	—	—	(s)	17
Asphalt and Road Oil .....	—	43	1	—	0	-2	—	—	(s)	46
Still Gas .....	—	20	0	—	0	0	—	—	0	20
Miscellaneous Products .....	—	2	(s)	—	0	(s)	—	—	(s)	2
<b>Total</b> .....	<b>507</b>	<b>550</b>	<b>273</b>	<b>57</b>	<b>-201</b>	<b>5</b>	<b>0</b>	<b>532</b>	<b>2</b>	<b>648</b>

<sup>a</sup> 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.

<sup>b</sup> Unaccounted for crude oil represents the difference between the supply and disposition of crude oil.

<sup>c</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks.

<sup>d</sup> Products supplied is equal to field production, plus refinery production, plus imports, plus unaccounted for crude oil, plus net receipts, minus stock change, minus crude losses, minus refinery inputs, minus exports.

<sup>e</sup> Includes naphtha less than 401° F endpoint and other oils equal to or greater than 401° F endpoint.

(s) = Less than 500 barrels per day.

E = Estimated.

LRG = Liquefied Refinery Gas.

— = Not Applicable.

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

Sources: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-811, "Monthly Bulk Terminal Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movement Report," and EIA-819M, "Monthly Oxygenate Telephone Report". Domestic crude oil production estimates based on historical statistics from State conservation agencies and the Minerals Management Service of the U.S. Department of the Interior. Export data from the Bureau of the Census and Form EIA-810, "Monthly Refinery Report."

**Table 22. PAD District V—Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, December 2001**  
(Thousand Barrels)

Commodity	Supply					Disposition					Ending Stocks
	Field Production	Refinery Production	Imports by PAD District of Entry <sup>a</sup>	Unaccounted For Crude Oil <sup>b</sup>	Net Receipts	Stock Change <sup>c</sup>	Crude Losses	Refinery Inputs	Exports	Products Supplied <sup>d</sup>	
<b>Crude Oil</b> .....	<sup>E</sup> 57,231	—	22,355	1,577	0	5,113	0	76,050	0	0	56,408
<b>Natural Gas Liquids and LRGs</b> .....	2,612	801	448	—	0	-1,609	—	2,481	214	2,775	5,371
Pentanes Plus .....	1,461	—	0	—	0	-13	—	1,140	0	334	209
Liquefied Petroleum Gases .....	1,151	801	448	—	0	-1,596	—	1,341	214	2,441	5,162
Ethane/Ethylene .....	5	0	0	—	0	-1	—	0	0	6	0
Propane/Propylene .....	404	1,594	234	—	0	-503	—	0	210	2,525	2,574
Normal Butane/Butylene .....	422	-788	214	—	0	-1,001	—	1,052	4	-207	2,236
Isobutane/Isobutylene .....	320	-5	0	—	0	-91	—	289	0	117	352
<b>Other Liquids</b> .....	1,232	—	2,847	—	1,148	-3,082	—	4,579	67	3,663	34,302
Other Hydrocarbons/Oxygenates .....	3,004	—	1,560	—	0	504	—	3,994	66	0	2,873
Unfinished Oils .....	—	—	1,153	—	0	-1,696	—	-814	0	3,663	20,869
Motor Gasoline Blend. Comp. ....	-1,772	—	134	—	1,148	-1,890	—	1,399	1	0	10,559
Aviation Gasoline Blend. Comp. ....	—	—	0	—	0	0	—	0	0	0	1
<b>Finished Petroleum Products</b> .....	1,956	86,452	3,163	—	2,874	1,533	—	—	7,301	85,611	56,843
Finished Motor Gasoline .....	1,956	42,485	1,265	—	2,134	211	—	—	1,129	46,500	21,314
Reformulated .....	—	31,647	300	—	0	-205	—	—	472	31,680	12,432
Oxygenated .....	1,838	1,556	0	—	0	-2	—	—	0	3,396	0
Other .....	118	9,282	965	—	2,134	418	—	—	657	11,424	8,882
Finished Aviation Gasoline .....	—	176	0	—	0	46	—	—	0	130	499
Jet Fuel .....	—	12,865	1,721	—	256	1,345	—	—	103	13,394	9,852
Naphtha-Type .....	—	4	0	—	0	-1	—	—	0	5	22
Kerosene-Type .....	—	12,861	1,721	—	256	1,346	—	—	103	13,389	9,830
Kerosene .....	—	133	0	—	0	11	—	—	7	115	96
Distillate Fuel Oil .....	—	14,456	2	—	523	176	—	—	2,078	12,727	12,498
0.05 percent sulfur and under .....	—	11,570	2	—	497	119	—	—	679	11,271	9,854
Greater than 0.05 percent sulfur ...	—	2,886	0	—	26	57	—	—	1,398	1,457	2,644
Residual Fuel Oil .....	—	5,394	82	—	0	-819	—	—	1,278	5,017	5,043
Petrochemical Feedstocks <sup>e</sup> .....	—	360	57	—	0	-138	—	—	0	555	217
Special Naphthas .....	—	49	0	—	0	1	—	—	481	-433	28
Lubricants .....	—	588	0	—	-39	263	—	—	68	218	2,147
Waxes .....	—	0	36	—	0	-138	—	—	15	159	3
Petroleum Coke .....	—	4,495	0	—	0	395	—	—	2,105	1,995	2,572
Asphalt and Road Oil .....	—	1,072	0	—	0	207	—	—	35	830	2,202
Still Gas .....	—	4,143	0	—	0	0	—	—	0	4,143	0
Miscellaneous Products .....	—	236	0	—	0	-27	—	—	2	261	372
<b>Total</b> .....	<b>63,031</b>	<b>87,253</b>	<b>28,813</b>	<b>1,577</b>	<b>4,022</b>	<b>1,955</b>	<b>0</b>	<b>83,110</b>	<b>7,582</b>	<b>92,049</b>	<b>152,924</b>

<sup>a</sup> 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.  
<sup>b</sup> Unaccounted for crude oil represents the difference between the supply and disposition of crude oil.  
<sup>c</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks.  
<sup>d</sup> Products supplied is equal to field production, plus refinery production, plus imports, plus unaccounted for crude oil, plus net receipts, minus stock change, minus crude losses, minus refinery inputs, minus exports.  
<sup>e</sup> Includes naphtha less than 401° F endpoint and other oils equal to or greater than 401° F endpoint.  
(s) = Less than 500 barrels.  
E = Estimated.  
LRG = Liquefied Refinery Gas.  
— = Not Applicable.

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

Sources: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-811, "Monthly Bulk Terminal Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movement Report," and EIA-819M, "Monthly Oxygenate Telephone Report". Domestic crude oil production estimates based on historical statistics from State conservation agencies and the Minerals Management Service of the U.S. Department of the Interior. Export data from the Bureau of the Census and Form EIA-810, "Monthly Refinery Report."

**Table 23. PAD District V—Year-to-Date Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, January-December 2001**  
(Thousand Barrels)

Commodity	Supply					Disposition					Ending Stocks
	Field Production	Refinery Production	Imports by PAD District of Entry <sup>a</sup>	Unaccounted For Crude Oil <sup>b</sup>	Net Receipts	Stock Change <sup>c</sup>	Crude Losses	Refinery Inputs	Exports	Products Supplied <sup>d</sup>	
<b>Crude Oil</b> .....	<sup>E</sup> 651,941	—	262,774	11,604	0	-3,033	0	929,330	22	0	56,408
<b>Natural Gas Liquids and LRGs</b> .....	<b>28,582</b>	<b>25,390</b>	<b>2,539</b>	—	<b>0</b>	<b>1,110</b>	—	<b>26,412</b>	<b>2,426</b>	<b>26,563</b>	<b>5,371</b>
Pentanes Plus .....	15,047	—	0	—	0	119	—	11,266	157	3,505	209
Liquefied Petroleum Gases .....	13,535	25,390	2,539	—	0	991	—	15,146	2,269	23,058	5,162
Ethane/Ethylene .....	45	0	0	—	0	0	—	0	0	45	0
Propane/Propylene .....	3,941	19,120	1,280	—	0	1,116	—	0	2,162	21,063	2,574
Normal Butane/Butylene .....	4,569	5,639	1,237	—	0	51	—	10,083	107	1,204	2,236
Isobutane/Isobutylene .....	4,980	631	22	—	0	-176	—	5,063	0	746	352
<b>Other Liquids</b> .....	<b>14,205</b>	—	<b>38,167</b>	—	<b>8,321</b>	<b>1,899</b>	—	<b>47,886</b>	<b>799</b>	<b>10,109</b>	<b>34,302</b>
Other Hydrocarbons/Oxygenates .....	26,140	—	22,370	—	0	456	—	47,263	791	0	2,873
Unfinished Oils .....	—	—	11,449	—	-171	463	—	706	0	10,109	20,869
Motor Gasoline Blend. Comp. ....	-11,934	—	4,348	—	8,492	980	—	-83	9	0	10,559
Aviation Gasoline Blend. Comp. ....	—	—	0	—	0	0	—	0	0	0	1
<b>Finished Petroleum Products</b> .....	<b>14,587</b>	<b>1,035,132</b>	<b>45,955</b>	—	<b>38,014</b>	<b>-1,505</b>	—	—	<b>87,454</b>	<b>1,047,739</b>	<b>56,843</b>
Finished Motor Gasoline .....	14,587	496,285	8,877	—	29,705	-405	—	—	6,204	543,655	21,314
Reformulated .....	—	364,655	2,337	—	94	264	—	—	922	365,900	12,432
Oxygenated .....	26,526	14,168	432	—	7,043	-195	—	—	68	48,296	0
Other .....	-11,939	117,462	6,108	—	22,568	-474	—	—	5,214	129,459	8,882
Finished Aviation Gasoline .....	—	995	412	—	0	88	—	—	0	1,319	499
Jet Fuel .....	—	148,764	27,376	—	2,858	-778	—	—	2,905	176,871	9,852
Naphtha-Type .....	—	80	0	—	0	-16	—	—	1	95	22
Kerosene-Type .....	—	148,684	27,376	—	2,858	-762	—	—	2,905	176,775	9,830
Kerosene .....	—	1,354	25	—	0	-16	—	—	122	1,273	96
Distillate Fuel Oil .....	—	178,250	4,451	—	5,532	-260	—	—	26,424	162,069	12,498
0.05 percent sulfur and under .....	—	142,857	3,795	—	4,991	-533	—	—	5,102	147,074	9,854
Greater than 0.05 percent sulfur ...	—	35,393	656	—	541	273	—	—	21,322	14,995	2,644
Residual Fuel Oil .....	—	64,091	3,558	—	0	-905	—	—	7,928	60,626	5,043
Petrochemical Feedstocks <sup>e</sup> .....	—	3,861	508	—	0	-87	—	—	0	4,456	217
Special Naphthas .....	—	544	399	—	0	-7	—	—	6,603	-5,653	28
Lubricants .....	—	8,821	0	—	-81	720	—	—	813	7,207	2,147
Waxes .....	—	77	253	—	0	-122	—	—	217	235	3
Petroleum Coke .....	—	56,188	70	—	0	792	—	—	35,652	19,814	2,572
Asphalt and Road Oil .....	—	19,766	0	—	0	-512	—	—	559	19,719	2,202
Still Gas .....	—	53,593	0	—	0	0	—	—	0	53,593	0
Miscellaneous Products .....	—	2,543	26	—	0	-13	—	—	26	2,556	372
<b>Total</b> .....	<b>709,315</b>	<b>1,060,522</b>	<b>349,435</b>	<b>11,604</b>	<b>46,335</b>	<b>-1,529</b>	<b>0</b>	<b>1,003,628</b>	<b>90,701</b>	<b>1,084,411</b>	<b>152,924</b>

<sup>a</sup> 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.

<sup>b</sup> Unaccounted for crude oil represents the difference between the supply and disposition of crude oil.

<sup>c</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks.

<sup>d</sup> Products supplied is equal to field production, plus refinery production, plus imports, plus unaccounted for crude oil, plus net receipts, minus stock change, minus crude losses, minus refinery inputs, minus exports.

<sup>e</sup> Includes naphtha less than 401° F endpoint and other oils equal to or greater than 401° F endpoint.

(s) = Less than 500 barrels.

E = Estimated.

LRG = Liquefied Refinery Gas.

— = Not Applicable.

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

Sources: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-811, "Monthly Bulk Terminal Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movement Report," and EIA-819M, "Monthly Oxygenate Telephone Report". Domestic crude oil production estimates based on historical statistics from State conservation agencies and the Minerals Management Service of the U.S. Department of the Interior. Export data from the Bureau of the Census and Form EIA-810, "Monthly Refinery Report."

**Table 24. PAD District V — Daily Average Supply and Disposition of Crude Oil and Petroleum Products, December 2001**  
(Thousand Barrels per Day)

Commodity	Supply					Disposition				
	Field Production	Refinery Production	Imports by PAD District of Entry <sup>a</sup>	Unaccounted For Crude Oil <sup>b</sup>	Net Receipts	Stock Change <sup>c</sup>	Crude Losses	Refinery Inputs	Exports	Products Supplied <sup>d</sup>
<b>Crude Oil</b> .....	<sup>E</sup> 1,846	—	721	51	0	165	0	2,453	0	0
<b>Natural Gas Liquids and LRGs</b> .....	84	26	14	—	0	-52	—	80	7	90
Pentanes Plus .....	47	—	0	—	0	(s)	—	37	0	11
Liquefied Petroleum Gases .....	37	26	14	—	0	-51	—	43	7	79
Ethane/Ethylene .....	(s)	0	0	—	0	(s)	—	0	0	(s)
Propane/Propylene .....	13	51	8	—	0	-16	—	0	7	81
Normal Butane/Butylene .....	14	-25	7	—	0	-32	—	34	(s)	-7
Isobutane/Isobutylene .....	10	(s)	0	—	0	-3	—	9	0	4
<b>Other Liquids</b> .....	40	—	92	—	37	-99	—	148	2	118
Other Hydrocarbons/Oxygenates .....	97	—	50	—	0	16	—	129	2	0
Unfinished Oils .....	—	—	37	—	0	-55	—	-26	0	118
Motor Gasoline Blend. Comp. ....	-57	—	4	—	37	-61	—	45	(s)	0
Aviation Gasoline Blend. Comp. ....	—	—	0	—	0	0	—	0	0	0
<b>Finished Petroleum Products</b> .....	63	2,789	102	—	93	49	—	—	236	2,762
Finished Motor Gasoline .....	63	1,370	41	—	69	7	—	—	36	1,500
Reformulated .....	—	1,021	10	—	0	-7	—	—	15	1,022
Oxygenated .....	59	50	0	—	0	(s)	—	—	0	110
Other .....	4	299	31	—	69	13	—	—	21	369
Finished Aviation Gasoline .....	—	6	0	—	0	1	—	—	0	4
Jet Fuel .....	—	415	56	—	8	43	—	—	3	432
Naphtha-Type .....	—	(s)	0	—	0	(s)	—	—	0	(s)
Kerosene-Type .....	—	415	56	—	8	43	—	—	3	432
Kerosene .....	—	4	0	—	0	(s)	—	—	(s)	4
Distillate Fuel Oil .....	—	466	(s)	—	17	6	—	—	67	411
0.05 percent sulfur and under .....	—	373	(s)	—	16	4	—	—	22	364
Greater than 0.05 percent sulfur ...	—	93	0	—	1	2	—	—	45	47
Residual Fuel Oil .....	—	174	3	—	0	-26	—	—	41	162
Petrochemical Feedstocks <sup>e</sup> .....	—	12	2	—	0	-4	—	—	0	18
Special Naphthas .....	—	2	0	—	0	(s)	—	—	16	-14
Lubricants .....	—	19	0	—	-1	8	—	—	2	7
Waxes .....	—	0	1	—	0	-4	—	—	(s)	5
Petroleum Coke .....	—	145	0	—	0	13	—	—	68	64
Asphalt and Road Oil .....	—	35	0	—	0	7	—	—	1	27
Still Gas .....	—	134	0	—	0	0	—	—	0	134
Miscellaneous Products .....	—	8	0	—	0	-1	—	—	(s)	8
<b>Total</b> .....	<b>2,033</b>	<b>2,815</b>	<b>929</b>	<b>51</b>	<b>130</b>	<b>63</b>	<b>0</b>	<b>2,681</b>	<b>245</b>	<b>2,969</b>

<sup>a</sup> 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.  
<sup>b</sup> Unaccounted for crude oil represents the difference between the supply and disposition of crude oil.  
<sup>c</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks.  
<sup>d</sup> Products supplied is equal to field production, plus refinery production, plus imports, plus unaccounted for crude oil, plus net receipts, minus stock change, minus crude losses, minus refinery inputs, minus exports.  
<sup>e</sup> Includes naphtha less than 401° F endpoint and other oils equal to or greater than 401° F endpoint.  
(s) = Less than 500 barrels per day.  
E = Estimated.  
LRG = Liquefied Refinery Gas.  
— = Not Applicable.  
Note: Totals may not equal sum of components due to independent rounding.  
Sources: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-811, "Monthly Bulk Terminal Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movement Report," and EIA-819M, "Monthly Oxygenate Telephone Report". Domestic crude oil production estimates based on historical statistics from State conservation agencies and the Minerals Management Service of the U.S. Department of the Interior. Export data from the Bureau of the Census and Form EIA-810, "Monthly Refinery Report."

**Table 25. PAD District V — Year-to-Date Daily Average Supply and Disposition of Crude Oil and Petroleum Products, January-December 2001**  
(Thousand Barrels per Day)

Commodity	Supply					Disposition				
	Field Production	Refinery Production	Imports by PAD District of Entry <sup>a</sup>	Unaccounted For Crude Oil <sup>b</sup>	Net Receipts	Stock Change <sup>c</sup>	Crude Losses	Refinery Inputs	Exports	Products Supplied <sup>d</sup>
<b>Crude Oil</b> .....	<sup>E</sup> 1,786	—	720	32	0	-8	0	2,546	(s)	0
<b>Natural Gas Liquids and LRGs</b> .....	78	70	7	—	0	3	—	72	7	73
Pentanes Plus .....	41	—	0	—	0	(s)	—	31	(s)	10
Liquefied Petroleum Gases .....	37	70	7	—	0	3	—	41	6	63
Ethane/Ethylene .....	(s)	0	0	—	0	0	—	0	0	(s)
Propane/Propylene .....	11	52	4	—	0	3	—	0	6	58
Normal Butane/Butylene .....	13	15	3	—	0	(s)	—	28	(s)	3
Isobutane/Isobutylene .....	14	2	(s)	—	0	(s)	—	14	0	2
<b>Other Liquids</b> .....	39	—	105	—	23	5	—	131	2	28
Other Hydrocarbons/Oxygenates .....	72	—	61	—	0	1	—	129	2	0
Unfinished Oils .....	—	—	31	—	(s)	1	—	2	0	28
Motor Gasoline Blend. Comp. ....	-33	—	12	—	23	3	—	(s)	(s)	0
Aviation Gasoline Blend. Comp. ....	—	—	0	—	0	0	—	0	0	0
<b>Finished Petroleum Products</b> .....	40	2,836	126	—	104	-4	—	—	240	2,871
Finished Motor Gasoline .....	40	1,360	24	—	81	-1	—	—	17	1,489
Reformulated .....	—	999	6	—	(s)	1	—	—	3	1,002
Oxygenated .....	73	39	1	—	19	-1	—	—	(s)	132
Other .....	-33	322	17	—	62	-1	—	—	14	355
Finished Aviation Gasoline .....	—	3	1	—	0	(s)	—	—	0	4
Jet Fuel .....	—	408	75	—	8	-2	—	—	8	485
Naphtha-Type .....	—	(s)	0	—	0	(s)	—	—	(s)	(s)
Kerosene-Type .....	—	407	75	—	8	-2	—	—	8	484
Kerosene .....	—	4	(s)	—	0	(s)	—	—	(s)	3
Distillate Fuel Oil .....	—	488	12	—	15	-1	—	—	72	444
0.05 percent sulfur and under .....	—	391	10	—	14	-1	—	—	14	403
Greater than 0.05 percent sulfur ...	—	97	2	—	1	1	—	—	58	41
Residual Fuel Oil .....	—	176	10	—	0	-2	—	—	22	166
Petrochemical Feedstocks <sup>e</sup> .....	—	11	1	—	0	(s)	—	—	0	12
Special Naphthas .....	—	1	1	—	0	(s)	—	—	18	-15
Lubricants .....	—	24	0	—	(s)	2	—	—	2	20
Waxes .....	—	(s)	1	—	0	(s)	—	—	1	1
Petroleum Coke .....	—	154	(s)	—	0	2	—	—	98	54
Asphalt and Road Oil .....	—	54	0	—	0	-1	—	—	2	54
Still Gas .....	—	147	0	—	0	0	—	—	0	147
Miscellaneous Products .....	—	7	(s)	—	0	(s)	—	—	(s)	7
<b>Total</b> .....	1,943	2,906	957	32	127	-4	0	2,750	248	2,971

<sup>a</sup> 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.

<sup>b</sup> Unaccounted for crude oil represents the difference between the supply and disposition of crude oil.

<sup>c</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks.

<sup>d</sup> Products supplied is equal to field production, plus refinery production, plus imports, plus unaccounted for crude oil, plus net receipts, minus stock change, minus crude losses, minus refinery inputs, minus exports.

<sup>e</sup> Includes naphtha less than 401° F endpoint and other oils equal to or greater than 401° F endpoint.

(s) = Less than 500 barrels per day.

E = Estimated.

LRG = Liquefied Refinery Gas.

— = Not Applicable.

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

Sources: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-811, "Monthly Bulk Terminal Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movement Report," and EIA-819M, "Monthly Oxygenate Telephone Report". Domestic crude oil production estimates based on historical statistics from State conservation agencies and the Minerals Management Service of the U.S. Department of the Interior. Export data from the Bureau of the Census and Form EIA-810, "Monthly Refinery Report."

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

PAD District and State	October 2001		January-October 2001	
	Total	Daily Average	Total	Daily Average
<b>PAD District I</b> .....	<b>E 660</b>	<b>E 21</b>	<b>E 6,459</b>	<b>E 21</b>
Florida .....	351	11	E 3,688	E 12
New York .....	E 16	E 1	E 160	E 1
Pennsylvania .....	E 147	E 5	E 1,364	E 4
Virginia .....	E 1	E (s)	E 7	E (s)
West Virginia .....	E 123	E 4	E 1,168	E 4
Adjustment <sup>a</sup> .....	22	1	73	(s)
<b>PAD District II</b> .....	<b>E 14,563</b>	<b>E 470</b>	<b>E 141,335</b>	<b>E 465</b>
Illinois .....	E 1,021	E 33	E 10,184	E 33
Indiana .....	186	6	E 1,695	E 6
Kansas .....	E 2,815	E 91	E 27,552	E 91
Kentucky .....	222	7	E 2,578	E 8
Michigan .....	E 781	E 25	E 6,396	E 21
Missouri .....	E 6	E (s)	E 75	E (s)
Nebraska .....	250	8	E 2,444	E 8
North Dakota .....	2,653	86	26,510	87
Ohio .....	E 532	E 17	E 5,218	E 17
Oklahoma .....	E 5,909	E 191	E 57,143	E 188
South Dakota .....	110	4	1,044	3
Tennessee .....	22	1	284	1
Adjustment <sup>a</sup> .....	56	2	214	1
<b>PAD District III</b> .....	<b>E 103,447</b>	<b>E 3,337</b>	<b>E 997,655</b>	<b>E 3,282</b>
Alabama .....	E 799	E 26	E 7,883	E 26
Arkansas .....	E 659	E 21	E 6,673	E 22
Louisiana <sup>b</sup> .....	E 8,808	E 284	E 85,499	E 281
Mississippi .....	E 1,638	E 53	E 16,528	E 54
New Mexico .....	E 5,707	E 184	E 55,195	E 182
Texas <sup>b</sup> .....	E 37,030	E 1,195	E 366,067	E 1,204
Federal Offshore PAD District III .....	E 48,806	E 1,574	E 459,873	E 1,513
Adjustment <sup>a</sup> .....	0	0	-63	(s)
<b>PAD District IV</b> .....	<b>E 8,765</b>	<b>E 283</b>	<b>E 88,063</b>	<b>E 290</b>
Colorado .....	E 1,392	E 45	E 13,679	E 45
Montana .....	E 1,315	E 42	E 12,668	E 42
Utah .....	E 1,259	E 41	E 12,749	E 42
Wyoming .....	4,797	155	E 48,735	E 160
Adjustment <sup>a</sup> .....	2	(s)	232	1
<b>PAD District V</b> .....	<b>E 52,724</b>	<b>E 1,701</b>	<b>E 539,873</b>	<b>E 1,776</b>
Alaska <sup>b</sup> .....	E 27,734	E 895	E 290,395	E 955
South Alaska .....	1,052	34	9,442	31
North Slope .....	26,682	861	278,868	917
Adjustment for Alaska <sup>a</sup> .....	(s)	(s)	2,085	7
Arizona .....	4	(s)	50	(s)
California <sup>b</sup> .....	E 22,263	E 718	E 216,566	E 712
Nevada .....	48	2	477	2
Federal Offshore PAD District V .....	2,555	82	26,099	86
Adjustment excluding Alaska <sup>a</sup> .....	120	4	6,286	21
<b>U.S. Total<sup>b</sup></b> .....	<b>E 180,159</b>	<b>E 5,812</b>	<b>E 1,773,386</b>	<b>E 5,834</b>

<sup>a</sup> These adjustments are used to reconcile the national and PAD District level sums of the State data with the independently estimated U.S. and Alaskan figures shown in the Summary Statistics portion of this issue and with the PAD District level figures published in a previous issue. Revised data at the State, PAD District, and national levels will be published without adjustments in the *Petroleum Supply Annual*.

<sup>b</sup> Includes the following current month offshore production (thousand barrels): Alaska: State - 6,780; California: State -E1,452; Louisiana: State - E1,074; Texas: State - E49; U.S. Total, including Federal offshore - E60,716.

(s) = Less than 500 barrels or less than 500 barrels per day.

E = Estimated.

NA = Not Available.

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

Sources: State government agencies, U.S. Department of the Interior, Minerals Management Service and the Conservation Committee of California Oil Producers.

**Table 27. Natural Gas Plant Net Production and Stocks of Petroleum Products by PAD and Refining Districts, December 2001**  
(Thousand Barrels)

Commodity	PAD District I			PAD District II			
	East Coast	Appalachian No. 1	Total	Ind., Ill., Ky.	Minn., Wis., N. Dak., S. Dak.	Okla., Kans., Mo.	Total
<b>Net Production</b>							
<b>Natural Gas Liquids</b> .....	<b>99</b>	<b>700</b>	<b>799</b>	<b>2,145</b>	<b>382</b>	<b>7,062</b>	<b>9,589</b>
Pentanes Plus .....	16	81	97	123	86	1,048	1,257
Liquefied Petroleum Gases .....	83	619	702	2,022	296	6,014	8,332
Ethane .....	29	179	208	1,024	0	2,247	3,271
Propane .....	36	304	340	687	188	2,436	3,311
Normal Butane .....	18	96	114	191	108	769	1,068
Isobutane .....	0	40	40	120	0	562	682
<b>Stocks</b>							
<b>Natural Gas Liquids</b> .....	<b>9</b>	<b>52</b>	<b>61</b>	<b>162</b>	<b>56</b>	<b>1,175</b>	<b>1,393</b>
Pentanes Plus .....	0	21	21	23	18	56	97
Liquefied Petroleum Gases .....	9	31	40	139	38	1,119	1,296
Ethane .....	0	0	0	17	0	192	209
Propane .....	7	20	27	83	23	730	836
Normal Butane .....	2	6	8	19	15	137	171
Isobutane .....	0	5	5	20	0	60	80

Commodity	PAD District III						PAD Dist. IV	PAD Dist. V	U.S. Total
	Texas Inland	Texas Gulf Coast	La. Gulf Coast	N. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
<b>Net Production</b>									
<b>Natural Gas Liquids</b> .....	<b>17,856</b>	<b>3,752</b>	<b>10,871</b>	<b>387</b>	<b>6,568</b>	<b>39,434</b>	<b>5,845</b>	<b>2,612</b>	<b>58,279</b>
Pentanes Plus .....	2,640	525	1,707	116	692	5,680	902	1,461	9,397
Liquefied Petroleum Gases .....	15,216	3,227	9,164	271	5,876	33,754	4,943	1,151	48,882
Ethane .....	7,209	1,647	3,619	51	3,114	15,640	1,992	5	21,116
Propane .....	5,032	998	3,404	111	1,811	11,356	1,862	404	17,273
Normal Butane .....	1,896	-1,654	1,118	74	617	2,051	771	422	4,426
Isobutane .....	1,079	2,236	1,023	35	334	4,707	318	320	6,067
<b>Stocks</b>									
<b>Natural Gas Liquids</b> .....	<b>236</b>	<b>1,642</b>	<b>921</b>	<b>26</b>	<b>80</b>	<b>2,905</b>	<b>211</b>	<b>220</b>	<b>4,790</b>
Pentanes Plus .....	57	198	200	10	9	474	54	17	663
Liquefied Petroleum Gases .....	179	1,444	721	16	71	2,431	157	203	4,127
Ethane .....	25	347	0	0	0	372	21	0	602
Propane .....	88	348	361	9	49	855	63	162	1,943
Normal Butane .....	52	606	276	6	13	953	59	35	1,226
Isobutane .....	14	143	84	1	9	251	14	6	356

Note: Refer to Appendix A for Refining District descriptions.  
Source: Energy Information Administration (EIA) Form EIA-816, "Monthly Natural Gas Liquids Report."

**Table 28. Refinery Input of Crude Oil and Petroleum Products by PAD and Refining Districts,  
December 2001**  
(Thousand Barrels, Except Where Noted)

Commodity	PAD District I			PAD District II			Total
	East Coast	Appalachian No. 1	Total	Ind., Ill., Ky.	Minn., Wis., N. Dak., S. Dak.	Okla., Kans., Mo.	
<b>Crude Oil</b> .....	<b>38,398</b>	<b>2,697</b>	<b>41,095</b>	<b>63,440</b>	<b>13,042</b>	<b>20,678</b>	<b>97,160</b>
<b>Natural Gas Liquids</b> .....	<b>247</b>	<b>0</b>	<b>247</b>	<b>3,461</b>	<b>220</b>	<b>1,249</b>	<b>4,930</b>
Pentanes Plus .....	0	0	0	673	21	676	1,370
Liquefied Petroleum Gases .....	247	0	247	2,788	199	573	3,560
Ethane .....	0	0	0	0	0	0	0
Propane .....	0	0	0	0	0	0	0
Normal Butane .....	168	0	168	1,837	128	308	2,273
Isobutane .....	79	0	79	951	71	265	1,287
<b>Other Liquids</b> .....	<b>10,648</b>	<b>-56</b>	<b>10,592</b>	<b>610</b>	<b>548</b>	<b>-521</b>	<b>637</b>
Other Hydrocarbons/Hydrogen/Oxygenates .....	1,850	0	1,850	738	239	91	1,068
Other Hydrocarbons/Hydrogen .....	0	0	0	64	5	14	83
Oxygenates .....	W	W	1,850	674	234	77	985
Fuel Ethanol .....	W	W	W	W	W	W	908
Methanol .....	W	W	W	W	W	W	W
MTBE .....	W	W	1,690	W	W	W	W
Other Oxygenates <sup>a</sup> .....	W	W	W	W	W	W	W
Unfinished Oils (net) .....	2,540	-54	2,486	2,211	-31	-761	1,419
Motor Gasoline Blend. Comp. (net) .....	6,340	-2	6,338	-2,338	340	149	-1,849
Aviation Gasoline Blend. Comp. (net) .....	-82	0	-82	-1	0	0	-1
<b>Total Input to Refineries</b> .....	<b>49,293</b>	<b>2,641</b>	<b>51,934</b>	<b>67,511</b>	<b>13,810</b>	<b>21,406</b>	<b>102,727</b>
<b>Atmospheric Crude Oil Distillation</b>							
Gross Input (daily average) .....	1,219	87	1,306	2,050	422	670	3,141
Operable Capacity (daily average) .....	1,607	91	1,698	2,367	426	763	3,557
Operable Utilization Rate (percent) <sup>b,c</sup> .....	75.8	95.8	76.9	86.6	99.0	87.7	88.3
<b>Downstream Processing</b>							
<b>Fresh Feed Input (daily average)</b>							
Catalytic Cracking .....	545	16	562	749	136	193	1,079
Catalytic Hydrocracking .....	40	0	40	147	0	5	152
Delayed and Fluid Coking .....	93	0	93	209	64	83	356
<b>Crude Oil Qualities</b>							
Sulfur Content, Weighted Average (percent) .....	0.64	1.55	0.70	1.26	2.29	0.88	1.32
API Gravity, Weighted Average (degrees) .....	32.71	32.83	32.71	33.11	27.51	35.51	32.87
<b>Operable Capacity (daily average)</b> .....	<b>1,607</b>	<b>91</b>	<b>1,698</b>	<b>2,367</b>	<b>426</b>	<b>763</b>	<b>3,557</b>
Operating .....	1,527	91	1,618	2,367	426	763	3,557
Idle .....	80	0	80	0	0	0	0
<b>Alaskan Crude Oil Receipts</b> .....	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

See footnotes at end of table.

**Table 28. Refinery Input of Crude Oil and Petroleum Products by PAD and Refining Districts, December 2001 (Continued)**

(Thousand Barrels, Except Where Noted)

Commodity	PAD District III						PAD Dist.	PAD Dist.	U.S. Total
	Texas Inland	Texas Gulf Coast	La. Gulf Coast	N. La., Ark.	New Mexico	Total	IV	V	
							Rocky Mt.	West Coast	
<b>Crude Oil</b> .....	<b>17,971</b>	<b>111,460</b>	<b>90,110</b>	<b>4,237</b>	<b>1,882</b>	<b>225,660</b>	<b>15,402</b>	<b>76,050</b>	<b>455,367</b>
<b>Natural Gas Liquids</b> .....	<b>1,098</b>	<b>3,077</b>	<b>2,951</b>	<b>256</b>	<b>189</b>	<b>7,571</b>	<b>636</b>	<b>2,481</b>	<b>15,865</b>
Pentanes Plus .....	547	742	1,135	158	127	2,709	181	1,140	5,400
Liquefied Petroleum Gases .....	551	2,335	1,816	98	62	4,862	455	1,341	10,465
Ethane .....	0	0	0	0	0	0	0	0	0
Propane .....	0	0	0	0	0	0	0	0	0
Normal Butane .....	504	1,108	1,157	72	0	2,841	320	1,052	6,654
Isobutane .....	47	1,227	659	26	62	2,021	135	289	3,811
<b>Other Liquids</b> .....	<b>-21</b>	<b>7,266</b>	<b>-303</b>	<b>-33</b>	<b>-156</b>	<b>6,753</b>	<b>1,163</b>	<b>4,579</b>	<b>23,724</b>
Other Hydrocarbons/Hydrogen/Oxygenates .....	133	2,193	1,134	0	26	3,486	233	3,994	10,631
Other Hydrocarbons/Hydrogen .....	125	277	777	0	0	1,179	35	802	2,099
Oxygenates .....	8	1,916	357	W	W	2,307	198	3,192	8,532
Fuel Ethanol .....	W	W	W	W	W	W	W	W	1,786
Methanol .....	W	W	W	W	W	W	W	W	119
MTBE .....	W	1,818	W	W	W	2,117	W	2,561	6,412
Other Oxygenates <sup>a</sup> .....	W	W	W	W	W	W	W	W	215
Unfinished Oils (net) .....	167	7,916	-829	-13	12	7,253	574	-814	10,918
Motor Gasoline Blend. Comp. (net) .....	-319	-2,843	-608	-20	-194	-3,984	356	1,399	2,260
Aviation Gasoline Blend. Comp. (net) .....	-2	0	0	0	0	-2	0	0	-85
<b>Total Input to Refineries</b> .....	<b>19,048</b>	<b>121,803</b>	<b>92,758</b>	<b>4,460</b>	<b>1,915</b>	<b>239,984</b>	<b>17,201</b>	<b>83,110</b>	<b>494,956</b>
<b>Atmospheric Crude Oil Distillation</b>									
Gross Input (daily average) .....	583	3,570	2,933	128	61	7,275	504	2,713	14,938
Operable Capacity (daily average) .....	584	3,830	3,036	197	96	7,742	564	3,131	16,692
Operable Utilization Rate (percent) <sup>b,c</sup> .....	99.9	93.2	96.6	64.8	63.5	94.0	89.4	86.6	89.5
<b>Downstream Processing</b>									
<b>Fresh Feed Input (daily average)</b>									
Catalytic Cracking .....	185	1,305	935	17	21	2,463	134	559	4,797
Catalytic Hydrocracking .....	38	282	237	0	0	557	4	469	1,222
Delayed and Fluid Coking .....	5	587	418	10	0	1,019	46	519	2,032
<b>Crude Oil Qualities</b>									
Sulfur Content, Weighted Average (percent) .....	0.89	1.86	1.69	2.05	0.44	1.71	1.25	1.26	1.44
API Gravity, Weighted Average (degrees) .....	38.08	30.17	29.32	27.10	39.44	30.47	33.31	26.11	30.52
<b>Operable Capacity (daily average)</b> .....	<b>584</b>	<b>3,830</b>	<b>3,036</b>	<b>197</b>	<b>96</b>	<b>7,742</b>	<b>564</b>	<b>3,131</b>	<b>16,692</b>
Operating .....	584	3,703	3,001	151	96	7,534	559	3,042	16,310
Idle .....	0	127	35	46	0	208	5	89	382
<b>Alaskan Crude Oil Receipts</b> .....	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>29,717</b>	<b>29,717</b>

<sup>a</sup> 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).

<sup>b</sup> Represents gross input divided by operable calendar day capacity.

<sup>c</sup> See Table H2 in the Highlights Section for additional information concerning utilization rates.

W = Withheld to avoid disclosure of individual company data.

Note: • Totals may not equal sum of components due to independent rounding. • Refer to Appendix A for Refining District descriptions.

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

**Table 29. Refinery Net Production of Finished Petroleum Products by PAD and Refining Districts, December 2001**  
(Thousand Barrels)

Commodity	PAD District I			PAD District II			
	East Coast	Appalachian No. 1	Total	Ind., Ill., Ky.	Minn., Wis., N. Dak., S. Dak.	Okla., Kans., Mo.	Total
Liquefied Refinery Gases .....	962	-37	925	1,686	-83	-210	1,393
Ethane/Ethylene .....	0	0	0	0	0	0	0
Ethane .....	W	W	W	W	W	W	W
Ethylene .....	W	W	W	W	W	W	W
Propane/Propylene .....	1,416	26	1,442	2,289	306	465	3,060
Propane .....	W	W	W	1,480	W	W	2,159
Propylene .....	W	W	W	809	W	W	901
Normal Butane/Butylene .....	-320	-57	-377	-536	-388	-541	-1,465
Normal Butane .....	W	W	W	W	W	W	W
Butylene .....	W	W	W	W	W	W	W
Isobutane/Isobutylene .....	-134	-6	-140	-67	-1	-134	-202
Isobutane .....	W	W	W	W	W	W	W
Isobutylene .....	W	W	W	W	W	W	W
Finished Motor Gasoline .....	28,536	1,055	29,591	36,658	7,681	11,867	56,206
Reformulated .....	18,189	0	18,189	7,276	1,247	532	9,055
Oxygenated .....	0	0	0	0	1,115	0	1,115
Other .....	10,347	1,055	11,402	29,382	5,319	11,335	46,036
Finished Aviation Gasoline .....	46	0	46	22	29	19	70
Jet Fuel .....	2,506	37	2,543	4,684	819	1,016	6,519
Naphtha-Type .....	0	0	0	0	0	0	0
Kerosene-Type .....	2,506	37	2,543	4,684	819	1,016	6,519
Commercial .....	2,506	28	2,534	4,438	763	890	6,091
Military .....	0	9	9	246	56	126	428
Kerosene .....	191	49	240	367	53	119	539
Distillate Fuel Oil .....	12,640	716	13,356	16,016	3,875	6,575	26,466
0.05 percent sulfur and under .....	5,701	639	6,340	12,718	3,326	4,780	20,824
Greater than 0.05 percent sulfur .....	6,939	77	7,016	3,298	549	1,795	5,642
Residual Fuel Oil .....	2,791	25	2,816	1,572	259	180	2,011
Less than 0.31 percent sulfur .....	1,411	5	1,416	0	0	0	0
0.31 to 1.00 percent sulfur .....	1,369	20	1,389	274	0	0	274
Greater than 1.00 percent sulfur .....	11	0	11	1,298	259	180	1,737
Naphtha for Petrochemical Feedstock Use .....	377	0	377	660	0	-2	658
Other Oils for Petrochemical Feedstock Use .....	0	0	0	-91	0	54	-37
Special Naphthas .....	35	28	63	365	0	51	416
Lubricants .....	341	188	529	71	0	241	312
Naphthenic .....	0	0	0	0	0	0	0
Paraffinic .....	341	188	529	71	0	241	312
Waxes .....	0	19	19	16	0	58	74
Petroleum Coke .....	1,589	25	1,614	2,572	792	800	4,164
Marketable .....	682	0	682	1,584	602	651	2,837
Catalyst .....	907	25	932	988	190	149	1,327
Asphalt and Road Oil .....	982	517	1,499	3,026	841	599	4,466
Still Gas .....	1,757	56	1,813	2,489	684	760	3,933
Miscellaneous Products .....	35	8	43	272	103	19	394
Fuel Use .....	0	0	0	0	0	0	0
Nonfuel Use .....	35	8	43	272	103	19	394
<b>Total .....</b>	<b>52,788</b>	<b>2,686</b>	<b>55,474</b>	<b>70,385</b>	<b>15,053</b>	<b>22,146</b>	<b>107,584</b>
Processing Gain(-) or Loss(+) <sup>a</sup> .....	-3,495	-45	-3,540	-2,874	-1,243	-740	-4,857

See footnotes at end of table.

**Table 29. Refinery Net Production of Finished Petroleum Products by PAD and Refining Districts, December 2001 (Continued)**  
(Thousand Barrels)

Commodity	PAD District III						PAD Dist.	PAD Dist.	U.S. Total
	Texas Inland	Texas Gulf Coast	La. Gulf Coast	N. La., Ark.	New Mexico	Total	IV	V	
							Rocky Mt.	West Coast	
Liquefied Refinery Gases .....	572	5,729	3,346	57	16	9,720	125	801	12,964
Ethane/Ethylene .....	0	599	85	0	0	684	0	0	684
Ethane .....	W	W	W	W	W	W	W	W	519
Ethylene .....	W	W	W	W	W	W	W	W	165
Propane/Propylene .....	766	5,560	4,004	54	36	10,420	285	1,594	16,801
Propane .....	W	2,853	2,272	W	W	5,730	W	W	10,606
Propylene .....	W	2,707	1,732	W	W	4,690	W	W	6,195
Normal Butane/Butylene .....	-91	-346	-713	3	-20	-1,167	-128	-788	-3,925
Normal Butane .....	W	W	W	W	W	W	W	W	-3,517
Butylene .....	W	W	W	W	W	W	W	W	-408
Isobutane/Isobutylene .....	-103	-84	-30	0	0	-217	-32	-5	-596
Isobutane .....	W	W	W	W	W	W	W	W	-679
Isobutylene .....	W	W	W	W	W	W	W	W	83
Finished Motor Gasoline .....	10,742	55,389	42,269	1,172	1,076	110,648	8,789	42,485	247,719
Reformulated .....	628	16,304	4,069	0	0	21,001	0	31,647	79,892
Oxygenated .....	0	0	0	0	180	180	1,345	1,556	4,196
Other .....	10,114	39,085	38,200	1,172	896	89,467	7,444	9,282	163,631
Finished Aviation Gasoline .....	115	22	0	0	0	137	5	176	434
Jet Fuel .....	1,571	11,685	11,006	0	150	24,412	807	12,865	47,146
Naphtha-Type .....	0	0	0	0	0	0	0	4	4
Kerosene-Type .....	1,571	11,685	11,006	0	150	24,412	807	12,861	47,142
Commercial .....	1,263	9,302	10,407	0	0	20,972	700	11,572	41,869
Military .....	308	2,383	599	0	150	3,440	107	1,289	5,273
Kerosene .....	8	728	276	90	3	1,105	108	133	2,125
Distillate Fuel Oil .....	4,596	28,971	21,766	1,114	497	56,944	4,811	14,456	116,033
0.05 percent sulfur and under .....	3,792	26,325	11,121	480	491	42,209	3,991	11,570	84,934
Greater than 0.05 percent sulfur .....	804	2,646	10,645	634	6	14,735	820	2,886	31,099
Residual Fuel Oil .....	379	5,363	3,712	227	12	9,693	384	5,394	20,298
Less than 0.31 percent sulfur .....	180	1	392	0	0	573	39	165	2,193
0.31 to 1.00 percent sulfur .....	128	786	283	197	12	1,406	110	1,295	4,474
Greater than 1.00 percent sulfur .....	71	4,576	3,037	30	0	7,714	235	3,934	13,631
Naphtha for Petrochemical Feedstock Use .....	56	3,472	1,035	0	-3	4,560	0	84	5,679
Other Oils for Petrochemical Feedstock Use .....	147	2,524	2,325	0	0	4,996	30	276	5,265
Special Naphthas .....	145	454	-15	169	0	753	0	49	1,281
Lubricants .....	W	1,980	W	W	W	3,835	0	588	5,264
Naphthenic .....	W	265	W	W	W	821	0	188	1,009
Paraffinic .....	W	1,715	W	W	W	3,014	0	400	4,255
Waxes .....	0	243	102	-1	0	344	102	0	539
Petroleum Coke .....	309	7,639	5,325	91	34	13,398	532	4,495	24,203
Marketable .....	46	5,605	4,214	71	0	9,936	311	3,539	17,305
Catalyst .....	263	2,034	1,111	20	34	3,462	221	956	6,898
Asphalt and Road Oil .....	522	664	779	913	69	2,947	1,332	1,072	11,316
Still Gas .....	780	4,851	3,458	132	54	9,275	607	4,143	19,771
Miscellaneous Products .....	32	663	516	0	0	1,211	66	236	1,950
Fuel Use .....	0	0	101	0	0	101	0	12	113
Nonfuel Use .....	32	663	415	0	0	1,110	66	224	1,837
<b>Total .....</b>	<b>20,008</b>	<b>130,377</b>	<b>97,158</b>	<b>4,527</b>	<b>1,908</b>	<b>253,978</b>	<b>17,698</b>	<b>87,253</b>	<b>521,987</b>
Processing Gain(-) or Loss(+) <sup>a</sup> .....	-960	-8,574	-4,400	-67	7	-13,994	-497	-4,143	-27,031

<sup>a</sup> Represents the arithmetic difference between input and production.  
W = Withheld to avoid disclosure of individual company data.  
Note: Refer to Appendix A for Refining District descriptions.  
Source: Energy Information Administration (EIA) Form EIA-810, "Monthly Refinery Report."

**Table 30. Refinery Stocks of Crude Oil and Petroleum Products by PAD and Refining Districts, December 2001**  
(Thousand Barrels)

Commodity	PAD District I			PAD District II			
	East Coast	Appalachian No. 1	Total	Ind., Ill., Ky.	Minn., Wis., N. Dak., S. Dak.	Okla., Kans., Mo.	Total
<b>Crude Oil</b> .....	<b>12,368</b>	<b>415</b>	<b>12,783</b>	<b>9,582</b>	<b>2,072</b>	<b>2,647</b>	<b>14,301</b>
<b>Petroleum Products</b> .....	<b>56,225</b>	<b>1,988</b>	<b>58,213</b>	<b>35,695</b>	<b>8,867</b>	<b>12,153</b>	<b>56,715</b>
Pentanes Plus .....	0	0	0	67	35	224	326
Liquefied Petroleum Gases .....	2,026	12	2,038	2,344	522	872	3,738
Ethane/Ethylene .....	0	0	0	0	0	0	0
Propane/Propylene .....	700	4	704	1,381	38	462	1,881
Normal Butane/Butylene .....	1,108	5	1,113	791	426	277	1,494
Isobutane/Isobutylene .....	218	3	221	172	58	133	363
Other Hydrocarbons/Hydrogen/Oxygenates .....	2,155	1	2,156	302	109	16	427
Other Hydrocarbons/Hydrogen .....	0	0	0	53	0	0	53
Oxygenates .....	W	W	2,156	249	109	16	374
Fuel Ethanol .....	W	W	W	W	W	W	294
Methanol .....	W	W	W	W	W	W	W
MTBE .....	W	W	1,779	W	W	W	W
Other Oxygenates <sup>a</sup> .....	W	W	W	W	W	W	W
Unfinished Oils .....	8,333	445	8,778	8,692	639	3,891	13,222
Naphthas and Lighter .....	1,485	200	1,685	3,126	196	1,529	4,851
Kerosene and Light Gas Oils .....	2,233	0	2,233	1,209	151	388	1,748
Heavy Gas Oils .....	3,096	226	3,322	2,283	231	1,191	3,705
Residuum .....	1,519	19	1,538	2,074	61	783	2,918
Motor Gasoline Blending Components .....	7,442	16	7,458	6,273	1,189	1,227	8,689
Aviation Gasoline Blending Components .....	77	0	77	18	0	0	18
Finished Motor Gasoline .....	9,883	150	10,033	4,503	1,254	1,729	7,486
Reformulated .....	6,756	0	6,756	232	0	0	232
Oxygenated .....	0	7	7	0	114	0	114
Other .....	3,127	143	3,270	4,271	1,140	1,729	7,140
Finished Aviation Gasoline .....	75	0	75	19	49	22	90
Jet Fuel .....	2,283	27	2,310	2,190	121	562	2,873
Naphtha-Type .....	0	0	0	0	0	0	0
Kerosene-Type .....	2,283	27	2,310	2,190	121	562	2,873
Kerosene .....	140	30	170	378	57	104	539
Distillate Fuel Oil .....	14,855	266	15,121	6,053	1,698	1,819	9,570
0.05 percent sulfur and under .....	2,807	243	3,050	4,162	1,242	977	6,381
Greater than 0.05 percent sulfur .....	12,048	23	12,071	1,891	456	842	3,189
Residual Fuel Oil .....	6,331	29	6,360	1,131	146	99	1,376
Less than 0.31 percent sulfur .....	1,618	21	1,639	0	0	0	0
0.31 to 1.00 percent sulfur .....	4,000	8	4,008	213	0	0	213
Greater than 1.00 percent sulfur .....	713	0	713	918	146	99	1,163
Naphtha for Petrochemical Feedstock Use .....	437	0	437	300	0	0	300
Other Oils for Petrochemical Feedstock Use .....	0	0	0	69	0	0	69
Special Naphthas .....	76	21	97	275	0	40	315
Lubricants .....	421	308	729	43	0	275	318
Waxes .....	0	149	149	11	0	48	59
Petroleum Coke (Marketable) .....	344	0	344	335	1,348	96	1,779
Asphalt and Road Oil .....	1,344	524	1,868	2,596	1,668	1,127	5,391
Miscellaneous Products .....	3	10	13	96	32	2	130
<b>Total Stocks, All Oils</b> .....	<b>68,593</b>	<b>2,403</b>	<b>70,996</b>	<b>45,277</b>	<b>10,939</b>	<b>14,800</b>	<b>71,016</b>

See footnotes at end of table.

**Table 30. Refinery Stocks of Crude Oil and Petroleum Products by PAD and Refining Districts, December 2001 (Continued)**  
(Thousand Barrels)

Commodity	PAD District III						PAD Dist. IV	PAD Dist. V	U.S. Total
	Texas Inland	Texas Gulf Coast	La. Gulf Coast	N. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
<b>Crude Oil</b> .....	<b>789</b>	<b>27,753</b>	<b>20,446</b>	<b>783</b>	<b>446</b>	<b>50,217</b>	<b>2,331</b>	<b>23,103</b>	<b>102,735</b>
<b>Petroleum Products</b> .....	<b>9,791</b>	<b>64,500</b>	<b>51,068</b>	<b>4,212</b>	<b>1,564</b>	<b>131,135</b>	<b>11,731</b>	<b>63,186</b>	<b>320,980</b>
Pentanes Plus .....	65	19	168	14	4	270	16	0	612
Liquefied Petroleum Gases .....	2,034	767	5,033	21	58	7,913	415	1,462	15,566
Ethane/Ethylene .....	61	0	0	0	0	61	0	0	61
Propane/Propylene .....	1,266	256	851	5	3	2,381	130	140	5,236
Normal Butane/Butylene .....	544	330	3,560	7	19	4,460	205	988	8,260
Isobutane/Isobutylene .....	163	181	622	9	36	1,011	80	334	2,009
Other Hydrocarbons/Hydrogen/Oxygenates .....	37	1,526	424	0	19	2,006	103	2,062	6,754
Other Hydrocarbons/Hydrogen .....	0	0	1	0	0	1	0	6	60
Oxygenates .....	37	1,526	423	W	W	2,005	103	2,056	6,694
Fuel Ethanol .....	W	W	W	W	W	W	W	W	599
Methanol .....	W	W	W	W	W	W	W	W	734
MTBE .....	W	1,172	W	W	W	1,529	W	1,915	5,280
Other Oxygenates <sup>a</sup> .....	W	W	W	W	W	W	W	W	81
Unfinished Oils .....	2,338	20,981	17,508	1,022	566	42,415	2,403	20,869	87,687
Naphthas and Lighter .....	1,032	5,628	4,317	610	209	11,796	578	3,445	22,355
Kerosene and Light Gas Oils .....	294	4,122	2,909	275	69	7,669	321	4,003	15,974
Heavy Gas Oils .....	490	7,662	7,701	126	288	16,267	1,253	11,091	35,638
Residuum .....	522	3,569	2,581	11	0	6,683	251	2,330	13,720
Motor Gasoline Blending Components .....	1,165	6,629	5,422	78	295	13,589	2,188	8,787	40,711
Aviation Gasoline Blending Components .....	11	0	23	0	0	34	0	1	130
Finished Motor Gasoline .....	1,395	10,271	5,865	178	195	17,904	2,558	9,723	47,704
Reformulated .....	30	4,573	559	0	0	5,162	0	5,783	17,933
Oxygenated .....	0	0	0	0	1	1	51	0	173
Other .....	1,365	5,698	5,306	178	194	12,741	2,507	3,940	29,598
Finished Aviation Gasoline .....	76	258	136	0	0	470	27	345	1,007
Jet Fuel .....	407	3,337	2,463	0	43	6,250	378	4,872	16,683
Naphtha-Type .....	1	0	0	0	0	1	0	11	12
Kerosene-Type .....	406	3,337	2,463	0	43	6,249	378	4,861	16,671
Kerosene .....	29	225	178	36	3	471	48	77	1,305
Distillate Fuel Oil .....	1,096	9,528	5,180	482	229	16,515	1,617	5,568	48,391
0.05 percent sulfur and under .....	825	6,751	2,573	214	148	10,511	1,354	4,425	25,721
Greater than 0.05 percent sulfur .....	271	2,777	2,607	268	81	6,004	263	1,143	22,670
Residual Fuel Oil .....	60	3,110	1,687	278	11	5,146	609	3,382	16,873
Less than 0.31 percent sulfur .....	26	1	66	0	0	93	9	513	2,254
0.31 to 1.00 percent sulfur .....	0	166	141	234	11	552	370	1,260	6,403
Greater than 1.00 percent sulfur .....	34	2,943	1,480	44	0	4,501	230	1,609	8,216
Naphtha for Petrochemical Feedstock Use .....	32	1,223	273	0	24	1,552	0	100	2,389
Other Oils for Petrochemical Feedstock Use .....	102	765	459	0	0	1,326	0	117	1,512
Special Naphthas .....	92	1,134	55	147	0	1,428	4	28	1,872
Lubricants .....	16	2,681	2,545	772	0	6,014	0	1,363	8,424
Waxes .....	0	245	127	23	0	395	7	3	613
Petroleum Coke (Marketable) .....	0	983	2,593	0	0	3,576	34	2,572	8,305
Asphalt and Road Oil .....	820	631	761	1,161	117	3,490	1,324	1,554	13,627
Miscellaneous Products .....	16	187	168	0	0	371	0	301	815
<b>Total Stocks, All Oils</b> .....	<b>10,580</b>	<b>92,253</b>	<b>71,514</b>	<b>4,995</b>	<b>2,010</b>	<b>181,352</b>	<b>14,062</b>	<b>86,289</b>	<b>423,715</b>

<sup>a</sup> 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).

W = Withheld to avoid disclosure of individual company data.

Notes: • Stocks are reported as of the last day of the month. • Refer to Appendix A for Refining District descriptions.

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

**Table 31. Percent Refinery Yield of Petroleum Products by PAD and Refining Districts,<sup>a</sup>  
December 2001**

Commodity	PAD District I			PAD District II			
	East Coast	Appalachian No. 1	Total	Ind., Ill., Ky.	Minn., Wis., N. Dak., S. Dak.	Okla., Kans., Mo.	Total
Liquefied Refinery Gases .....	2.3	-1.4	2.1	2.6	-0.6	-1.1	1.4
Finished Motor Gasoline <sup>b</sup> .....	49.1	40.0	48.5	53.0	52.9	52.1	52.8
Finished Aviation Gasoline <sup>c</sup> .....	0.3	0.0	0.3	0.0	0.2	0.1	0.1
Naphtha-Type Jet Fuel .....	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Kerosene-Type Jet Fuel .....	6.1	1.4	5.8	7.1	6.3	5.1	6.6
Kerosene .....	0.5	1.9	0.6	0.6	0.4	0.6	0.5
Distillate Fuel Oil .....	30.9	27.1	30.6	24.4	29.8	33.0	26.8
Residual Fuel Oil .....	6.8	0.9	6.5	2.4	2.0	0.9	2.0
Naphtha for Petrochemical Feedstock Use .....	0.9	0.0	0.9	1.0	0.0	0.0	0.7
Other Oils for Petrochemical Feedstock Use .....	0.0	0.0	0.0	-0.1	0.0	0.3	0.0
Special Naphthas .....	0.1	1.1	0.1	0.6	0.0	0.3	0.4
Lubricants .....	0.8	7.1	1.2	0.1	0.0	1.2	0.3
Waxes .....	0.0	0.7	0.0	0.0	0.0	0.3	0.1
Petroleum Coke .....	3.9	0.9	3.7	3.9	6.1	4.0	4.2
Asphalt and Road Oil .....	2.4	19.6	3.4	4.6	6.5	3.0	4.5
Still Gas .....	4.3	2.1	4.2	3.8	5.3	3.8	4.0
Miscellaneous Products .....	0.1	0.3	0.1	0.4	0.8	0.1	0.4
Processing Gain(-) or Loss(+) <sup>d</sup> .....	-8.5	-1.7	-8.1	-4.4	-9.6	-3.7	-4.9

Commodity	PAD District III						PAD Dist. IV	PAD Dist. V	U.S. Total
	Texas Inland	Texas Gulf Coast	La. Gulf Coast	N. La., Ark.	New Mexico	Total	Rocky Mt.	West Coast	
Liquefied Refinery Gases .....	3.2	4.8	3.7	1.3	0.8	4.2	0.8	1.1	2.8
Finished Motor Gasoline <sup>b</sup> .....	54.2	44.4	43.4	22.2	55.7	44.5	47.3	46.0	47.0
Finished Aviation Gasoline <sup>c</sup> .....	0.6	0.0	0.0	0.0	0.0	0.1	0.0	0.2	0.1
Naphtha-Type Jet Fuel .....	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Kerosene-Type Jet Fuel .....	8.7	9.8	12.3	0.0	7.9	10.5	5.1	17.1	10.1
Kerosene .....	0.0	0.6	0.3	2.1	0.2	0.5	0.7	0.2	0.5
Distillate Fuel Oil .....	25.3	24.3	24.4	26.4	26.2	24.4	30.1	19.2	24.9
Residual Fuel Oil .....	2.1	4.5	4.2	5.4	0.6	4.2	2.4	7.2	4.4
Naphtha for Petrochemical Feedstock Use .....	0.3	2.9	1.2	0.0	-0.2	2.0	0.0	0.1	1.2
Other Oils for Petrochemical Feedstock Use .....	0.8	2.1	2.6	0.0	0.0	2.1	0.2	0.4	1.1
Special Naphthas .....	0.8	0.4	0.0	4.0	0.0	0.3	0.0	0.1	0.3
Lubricants .....	0.2	1.7	1.4	13.3	0.0	1.6	0.0	0.8	1.1
Waxes .....	0.0	0.2	0.1	0.0	0.0	0.1	0.6	0.0	0.1
Petroleum Coke .....	1.7	6.4	6.0	2.2	1.8	5.8	3.3	6.0	5.2
Asphalt and Road Oil .....	2.9	0.6	0.9	21.6	3.6	1.3	8.3	1.4	2.4
Still Gas .....	4.3	4.1	3.9	3.1	2.9	4.0	3.8	5.5	4.2
Miscellaneous Products .....	0.2	0.6	0.6	0.0	0.0	0.5	0.4	0.3	0.4
Processing Gain(-) or Loss(+) <sup>d</sup> .....	-5.3	-7.2	-4.9	-1.6	0.4	-6.0	-3.1	-5.5	-5.8

<sup>a</sup> Based on crude oil input and net reruns of unfinished oils.

<sup>b</sup> Based on total finished motor gasoline output minus net input of motor gasoline blending components, minus input of natural gas plant liquids, other hydrocarbons and oxygenates.

<sup>c</sup> Based on finished aviation gasoline output minus net input of aviation gasoline blending components.

<sup>d</sup> Represents the difference between input and production.

Notes: • Totals may not equal sum of components due to independent rounding. • Refer to Appendix A for Refining District descriptions.

Sources: Calculated from data on Tables 28 and 29.

**Table 32. Imports of Residual Fuel Oil by Sulfur Content and by PAD District and State of Entry, December 2001**  
(Thousand Barrels)

PAD District and State of Entry	Residual Fuel Oil			
	Less than 0.31% Sulfur	0.31 to 1.00% Sulfur	Greater than 1.00% Sulfur	Total
<b>PAD District I</b> .....	<b>1,474</b>	<b>3,291</b>	<b>2,628</b>	<b>7,393</b>
Delaware .....	0	468	27	495
Florida .....	0	558	456	1,014
Georgia .....	0	0	310	310
Maine .....	27	0	0	27
New Jersey .....	892	1,835	529	3,256
New York .....	555	429	153	1,137
North Carolina .....	0	0	161	161
Pennsylvania .....	0	0	315	315
South Carolina .....	0	0	387	387
Vermont .....	0	1	1	2
Virginia .....	0	0	289	289
<b>PAD District II</b> .....	<b>0</b>	<b>7</b>	<b>28</b>	<b>35</b>
Michigan .....	0	0	28	28
Minnesota .....	0	5	0	5
North Dakota .....	0	2	0	2
<b>PAD District III</b> .....	<b>1,662</b>	<b>0</b>	<b>371</b>	<b>2,033</b>
Texas .....	1,662	0	371	2,033
<b>PAD District V</b> .....	<b>0</b>	<b>0</b>	<b>82</b>	<b>82</b>
Washington .....	0	0	82	82
<b>U.S. Total</b> .....	<b>3,136</b>	<b>3,298</b>	<b>3,109</b>	<b>9,543</b>

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

**Table 33. Imports of Crude Oil and Petroleum Products by PAD District,  
December 2001  
(Thousand Barrels)**

Commodity	Petroleum Administration for Defense Districts						U.S. Total	Daily Average
	I	II	III	IV	V			
<b>Crude Oil<sup>a,b</sup></b> .....	<b>39,404</b>	<b>42,445</b>	<b>161,615</b>	<b>6,344</b>	<b>22,355</b>	<b>272,163</b>	<b>8,779</b>	
<b>Natural Gas Liquids</b> .....	<b>1,618</b>	<b>4,089</b>	<b>1,883</b>	<b>576</b>	<b>448</b>	<b>8,614</b>	<b>278</b>	
Pentanes Plus .....	0	39	1,733	111	0	1,883	61	
Liquefied Petroleum Gases .....	1,618	4,050	150	465	448	6,731	217	
Ethane .....	0	0	120	0	0	120	4	
Ethylene .....	0	8	0	0	0	8	(s)	
Propane .....	1,272	3,325	30	345	234	5,206	168	
Propylene .....	0	255	0	0	0	255	8	
Normal Butane .....	231	455	0	120	214	1,020	33	
Butylene .....	0	0	0	0	0	0	0	
Isobutane .....	115	7	0	0	0	122	4	
Isobutylene .....	0	0	0	0	0	0	0	
<b>Other Liquids</b> .....	<b>7,259</b>	<b>3</b>	<b>5,520</b>	<b>0</b>	<b>2,847</b>	<b>15,629</b>	<b>504</b>	
Other Hydrocarbons/Hydrogen/Oxygenates .....	275	3	0	0	1,560	1,838	59	
Other Hydrocarbons/Hydrogen .....	0	0	0	0	0	0	0	
Oxygenates .....	275	3	0	0	1,560	1,838	59	
Fuel Ethanol .....	0	3	0	0	13	16	1	
MTBE .....	275	0	0	0	1,547	1,822	59	
Other Oxygenates <sup>c</sup> .....	0	0	0	0	0	0	0	
Unfinished Oils <sup>a</sup> .....	597	0	4,548	0	1,153	6,298	203	
Naphthas and Lighter .....	0	0	607	0	0	607	20	
Kerosene and Light Gas Oils .....	0	0	0	0	0	0	0	
Heavy Gas Oils .....	597	0	3,841	0	0	4,438	143	
Residuum .....	0	0	100	0	1,153	1,253	40	
Motor Gasoline Blending Components .....	6,387	0	972	0	134	7,493	242	
Aviation Gasoline Blending Components .....	0	0	0	0	0	0	0	
<b>Finished Petroleum Products</b> .....	<b>29,771</b>	<b>581</b>	<b>8,322</b>	<b>225</b>	<b>3,163</b>	<b>42,062</b>	<b>1,357</b>	
Finished Motor Gasoline .....	13,782	63	0	11	1,265	15,121	488	
Reformulated .....	8,029	0	0	0	300	8,329	269	
Oxygenated .....	0	0	0	0	0	0	0	
Other .....	5,753	63	0	11	965	6,792	219	
Finished Aviation Gasoline .....	0	1	0	21	0	22	1	
Jet Fuel .....	1,203	0	0	1	1,721	2,925	94	
Naphtha-Type .....	0	0	0	0	0	0	0	
Kerosene-Type .....	1,203	0	0	1	1,721	2,925	94	
Bonded Aircraft Fuel .....	697	0	0	0	1,206	1,903	61	
Other .....	506	0	0	1	515	1,022	33	
Kerosene .....	64	0	0	0	0	64	2	
Distillate Fuel Oil .....	6,643	306	375	149	2	7,475	241	
Bonded Ship Bunkers .....	0	0	0	0	0	0	0	
0.05 percent sulfur and under .....	0	0	0	0	0	0	0	
Greater than 0.05 percent sulfur .....	0	0	0	0	0	0	0	
Other .....	6,643	306	375	149	2	7,475	241	
0.05 percent sulfur and under .....	2,261	280	7	129	2	2,679	86	
Greater than 0.05 percent sulfur .....	4,382	26	368	20	0	4,796	155	
Residual Fuel Oil .....	7,393	35	2,033	0	82	9,543	308	
Bonded Ship Bunkers .....	0	0	0	0	0	0	0	
Less than 0.31 percent sulfur .....	0	0	0	0	0	0	0	
0.31 to 1.00 percent sulfur .....	0	0	0	0	0	0	0	
Greater than 1.00 percent sulfur .....	0	0	0	0	0	0	0	
Other .....	7,393	35	2,033	0	82	9,543	308	
Less than 0.31 percent sulfur .....	1,474	0	1,662	0	0	3,136	101	
0.31 to 1.00 percent sulfur .....	3,291	7	0	0	0	3,298	106	
Greater than 1.00 percent sulfur .....	2,628	28	371	0	82	3,109	100	
Naphtha for Petrochemical Feedstock Use .....	108	41	1,789	0	57	1,995	64	
Other Oils for Petrochemical Feedstock Use .....	0	0	4,113	0	0	4,113	133	
Special Naphthas .....	327	80	7	0	0	414	13	
Lubricants .....	86	34	0	0	0	120	4	
Waxes .....	41	10	5	0	36	92	3	
Petroleum Coke .....	0	0	0	0	0	0	0	
Asphalt and Road Oil .....	124	10	0	43	0	177	6	
Miscellaneous Products .....	0	1	0	0	0	1	(s)	
<b>Total</b> .....	<b>78,052</b>	<b>47,118</b>	<b>177,340</b>	<b>7,145</b>	<b>28,813</b>	<b>338,468</b>	<b>10,918</b>	

<sup>a</sup> 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.

<sup>b</sup> Includes crude oil imported for storage in the Strategic Petroleum Reserve.

<sup>c</sup> 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).

(s) = Less than 500 barrels per day.

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

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

**Table 34. Year-to-Date Imports of Crude Oil and Petroleum Products by PAD District, January-December 2001**  
(Thousand Barrels)

Commodity	Petroleum Administration for Defense Districts						Daily Average
	I	II	III	IV	V	U.S. Total	
<b>Crude Oil<sup>a,b</sup></b> .....	<b>525,561</b>	<b>538,078</b>	<b>1,942,665</b>	<b>69,272</b>	<b>262,774</b>	<b>3,338,350</b>	<b>9,146</b>
<b>Natural Gas Liquids</b> .....	<b>14,478</b>	<b>34,953</b>	<b>30,985</b>	<b>4,841</b>	<b>2,539</b>	<b>87,796</b>	<b>241</b>
Pentanes Plus .....	0	548	13,433	1,311	0	15,292	42
Liquefied Petroleum Gases .....	14,478	34,405	17,552	3,530	2,539	72,504	199
Ethane .....	0	77	1,440	0	0	1,517	4
Ethylene .....	0	140	0	0	0	140	(s)
Propane .....	12,530	28,707	3,563	2,443	1,280	48,523	133
Propylene .....	0	2,048	0	0	0	2,048	6
Normal Butane .....	1,663	3,178	8,068	1,041	1,237	15,187	42
Butylene .....	11	16	0	0	0	27	(s)
Isobutane .....	274	239	4,481	46	22	5,062	14
Isobutylene .....	0	0	0	0	0	0	0
<b>Other Liquids</b> .....	<b>105,939</b>	<b>718</b>	<b>76,969</b>	<b>0</b>	<b>38,167</b>	<b>221,793</b>	<b>608</b>
Other Hydrocarbons/Hydrogen/Oxygenates .....	5,722	33	173	0	22,370	28,298	78
Other Hydrocarbons/Hydrogen .....	210	0	35	0	0	245	1
Oxygenates .....	5,512	33	138	0	22,370	28,053	77
Fuel Ethanol .....	0	33	0	0	282	315	1
MTBE .....	5,083	0	105	0	22,088	27,276	75
Other Oxygenates <sup>c</sup> .....	429	0	33	0	0	462	1
Unfinished Oils <sup>a</sup> .....	10,642	336	65,622	0	11,449	88,049	241
Naphthas and Lighter .....	3,540	2	6,704	0	0	10,246	28
Kerosene and Light Gas Oils .....	62	0	0	0	9	71	(s)
Heavy Gas Oils .....	7,040	334	53,055	0	1,553	61,982	170
Residuum .....	0	0	5,863	0	9,887	15,750	43
Motor Gasoline Blending Components .....	89,575	349	11,174	0	4,348	105,446	289
Aviation Gasoline Blending Components .....	0	0	0	0	0	0	0
<b>Finished Petroleum Products</b> .....	<b>413,632</b>	<b>5,567</b>	<b>125,217</b>	<b>2,615</b>	<b>45,955</b>	<b>592,986</b>	<b>1,625</b>
Finished Motor Gasoline .....	152,180	819	1,609	119	8,877	163,604	448
Reformulated .....	77,141	0	240	0	2,337	79,718	218
Oxygenated .....	19	0	0	0	432	451	1
Other .....	75,020	819	1,369	119	6,108	83,435	229
Finished Aviation Gasoline .....	1	31	0	154	412	598	2
Jet Fuel .....	25,898	0	211	11	27,376	53,496	147
Naphtha-Type .....	0	0	0	0	0	0	0
Kerosene-Type .....	25,898	0	211	11	27,376	53,496	147
Bonded Aircraft Fuel .....	9,950	0	0	0	17,466	27,416	75
Other .....	15,948	0	211	11	9,910	26,080	71
Kerosene .....	1,748	0	0	0	25	1,773	5
Distillate Fuel Oil .....	113,004	1,748	9,070	2,059	4,451	130,332	357
Bonded Ship Bunkers .....	0	0	0	18	812	830	2
0.05 percent sulfur and under .....	0	0	0	18	812	830	2
Greater than 0.05 percent sulfur .....	0	0	0	0	0	0	0
Other .....	113,004	1,748	9,070	2,041	3,639	129,502	355
0.05 percent sulfur and under .....	39,024	1,382	1,540	1,937	2,983	46,866	128
Greater than 0.05 percent sulfur .....	73,980	366	7,530	104	656	82,636	226
Residual Fuel Oil .....	105,098	1,017	30,386	3	3,558	140,062	384
Bonded Ship Bunkers .....	0	0	0	0	0	0	0
Less than 0.31 percent sulfur .....	0	0	0	0	0	0	0
0.31 to 1.00 percent sulfur .....	0	0	0	0	0	0	0
Greater than 1.00 percent sulfur .....	0	0	0	0	0	0	0
Other .....	105,098	1,017	30,386	3	3,558	140,062	384
Less than 0.31 percent sulfur .....	29,344	309	15,999	0	582	46,234	127
0.31 to 1.00 percent sulfur .....	28,136	103	11,118	3	310	39,670	109
Greater than 1.00 percent sulfur .....	47,618	605	3,269	0	2,666	54,158	148
Naphtha for Petrochemical Feedstock Use .....	1,365	486	30,630	0	508	32,989	90
Other Oils for Petrochemical Feedstock Use .....	452	3	51,294	0	0	51,749	142
Special Naphthas .....	2,671	518	1,262	0	399	4,850	13
Lubricants .....	2,184	529	102	0	0	2,815	8
Waxes .....	477	93	79	0	253	902	2
Petroleum Coke .....	0	0	0	0	70	70	(s)
Asphalt and Road Oil .....	8,554	313	459	248	0	9,574	26
Miscellaneous Products .....	0	10	115	21	26	172	(s)
<b>Total</b> .....	<b>1,059,610</b>	<b>579,316</b>	<b>2,175,836</b>	<b>76,728</b>	<b>349,435</b>	<b>4,240,925</b>	<b>11,619</b>

<sup>a</sup> 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.

<sup>b</sup> Includes crude oil imported for storage in the Strategic Petroleum Reserve.

<sup>c</sup> 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).

(s) = Less than 500 barrels per day.

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

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

**Table 35. Imports of Crude Oil and Petroleum Products into the United States by Country of Origin,<sup>a</sup>  
December 2001  
(Thousand Barrels)**

Country of Origin	Crude Oil <sup>b</sup>	Liquefied Petroleum Gases	Unfinished Oils	Gasoline Blending Components	Finished Motor Gasoline	Jet Fuel	Distillate Fuel Oil	Residual Fuel Oil	Kerosene	Special Naphtas
<b>Arab OPEC</b> .....	<b>81,121</b>	<b>921</b>	<b>681</b>	<b>232</b>	<b>0</b>	<b>0</b>	<b>368</b>	<b>1,480</b>	<b>0</b>	<b>0</b>
Algeria .....	0	921	681	232	0	0	368	1,480	0	0
Iraq .....	34,722	0	0	0	0	0	0	0	0	0
Kuwait .....	4,325	0	0	0	0	0	0	0	0	0
Qatar .....	0	0	0	0	0	0	0	0	0	0
Saudi Arabia .....	42,074	0	0	0	0	0	0	0	0	0
<b>Other OPEC</b> .....	<b>55,780</b>	<b>0</b>	<b>827</b>	<b>763</b>	<b>2,018</b>	<b>524</b>	<b>995</b>	<b>1,951</b>	<b>0</b>	<b>253</b>
Indonesia .....	1,301	0	293	0	0	0	0	0	0	0
Nigeria .....	17,949	0	0	115	0	0	0	702	0	253
Venezuela .....	36,530	0	534	648	2,018	524	995	1,249	0	0
<b>Non OPEC</b> .....	<b>135,262</b>	<b>5,810</b>	<b>4,790</b>	<b>6,498</b>	<b>13,103</b>	<b>2,401</b>	<b>6,112</b>	<b>6,112</b>	<b>64</b>	<b>161</b>
Angola .....	8,158	0	0	0	0	0	0	0	0	0
Argentina .....	2,203	0	0	397	523	0	0	0	0	0
Australia .....	1,425	0	0	0	0	3	0	0	0	0
Bahamas .....	0	0	0	0	0	0	0	315	0	0
Belgium .....	0	0	1,263	302	604	0	0	0	0	0
Brazil .....	0	0	0	416	156	0	0	439	0	0
Cameroon .....	306	0	0	0	0	0	0	40	0	0
Canada .....	42,460	5,695	56	882	5,488	17	2,987	220	64	125
China, People's Republic of .....	0	0	0	0	0	223	0	0	0	0
Colombia .....	7,504	0	0	440	0	328	0	326	0	0
Congo (Brazzaville) .....	1,325	0	0	0	0	0	0	256	0	0
Denmark .....	0	0	100	0	0	0	0	27	0	0
Ecuador .....	2,483	0	0	0	0	0	0	0	0	0
Egypt .....	0	0	0	0	268	0	0	0	0	0
France .....	0	0	17	397	251	0	0	450	0	0
Gabon .....	4,937	0	0	0	0	0	0	0	0	0
Germany, FR .....	0	0	228	0	0	0	0	619	0	0
Guatemala .....	633	0	0	0	0	0	0	0	0	0
Italy .....	0	0	0	0	200	53	0	0	0	7
Ivory Coast .....	265	0	0	0	0	0	0	0	0	0
Korea, Republic of .....	0	0	0	0	293	855	0	0	0	0
Malaysia .....	465	0	482	0	0	312	0	0	0	0
Mexico .....	47,826	0	0	493	0	0	0	0	0	0
Netherlands .....	0	0	497	146	0	0	0	371	0	0
Netherlands Antilles .....	0	0	308	308	0	232	100	319	0	0
Norway .....	3,277	115	297	0	541	0	0	0	0	0
Peru .....	379	0	0	224	0	0	0	0	0	0
Russia .....	0	0	0	506	0	0	0	425	0	0
Singapore .....	0	0	0	0	300	0	0	0	0	0
Spain .....	0	0	0	844	495	0	0	0	0	0
Sweden .....	0	0	544	0	0	0	0	676	0	0
Trinidad and Tobago .....	2,138	0	0	0	0	0	0	0	0	0
United Kingdom .....	6,973	0	350	750	338	0	7	405	0	29
Virgin Islands, U.S. ....	0	0	0	0	3,324	378	3,018	899	0	0
Other .....	2,505	0	648	393	322	0	0	325	0	0
<b>Total</b> .....	<b>272,163</b>	<b>6,731</b>	<b>6,298</b>	<b>7,493</b>	<b>15,121</b>	<b>2,925</b>	<b>7,475</b>	<b>9,543</b>	<b>64</b>	<b>414</b>
<b>Persian Gulf<sup>e</sup></b> .....	<b>81,121</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

See footnotes at end of table.

**Table 35. Imports of Crude Oil and Petroleum Products into the United States by Country of Origin,<sup>a</sup>  
December 2001 (Continued)**  
(Thousand Barrels)

Country of Origin	Naphtha for Petrochemical Feedstock Use	Other Oils for Petrochemical Feedstock Use	Lubricants	Asphalt and Road Oil	Other Products <sup>c</sup>	Total Products	Total Crude Oil and Products	Daily Average		
								Crude Oil	Products	Total
<b>Arab OPEC</b> .....	<b>586</b>	<b>4,113</b>	<b>0</b>	<b>0</b>	<b>2,427</b>	<b>10,808</b>	<b>91,929</b>	<b>2,617</b>	<b>349</b>	<b>2,965</b>
Algeria .....	586	4,113	0	0	1,733	10,114	10,114	0	326	326
Iraq .....	0	0	0	0	0	0	34,722	1,120	0	1,120
Kuwait .....	0	0	0	0	0	0	4,325	140	0	140
Qatar .....	0	0	0	0	312	312	312	0	10	10
Saudi Arabia .....	0	0	0	0	382	382	42,456	1,357	12	1,370
<b>Other OPEC</b> .....	<b>0</b>	<b>0</b>	<b>0</b>	<b>56</b>	<b>283</b>	<b>7,670</b>	<b>63,450</b>	<b>1,799</b>	<b>247</b>	<b>2,047</b>
Indonesia .....	0	0	0	0	0	293	1,594	42	9	51
Nigeria .....	0	0	0	0	0	1,070	19,019	579	35	614
Venezuela .....	0	0	0	56	283	6,307	42,837	1,178	203	1,382
<b>Non OPEC</b> .....	<b>1,409</b>	<b>0</b>	<b>120</b>	<b>121</b>	<b>1,126</b>	<b>47,827</b>	<b>183,089</b>	<b>4,363</b>	<b>1,543</b>	<b>5,906</b>
Angola .....	0	0	0	0	0	0	8,158	263	0	263
Argentina .....	0	0	0	0	0	920	3,123	71	30	101
Australia .....	0	0	0	0	0	3	1,428	46	(s)	46
Bahamas .....	0	0	0	0	0	315	315	0	10	10
Belgium .....	0	0	0	0	0	2,169	2,169	0	70	70
Brazil .....	0	0	0	0	0	1,011	1,011	0	33	33
Cameroon .....	0	0	0	0	0	40	346	10	1	11
Canada .....	44	0	120	121	696	16,515	58,975	1,370	533	1,902
China, People's Republic of .....	0	0	0	0	52	275	275	0	9	9
Colombia .....	160	0	0	0	0	1,254	8,758	242	40	283
Congo (Brazzaville) .....	0	0	0	0	0	256	1,581	43	8	51
Denmark .....	0	0	0	0	0	127	127	0	4	4
Ecuador .....	0	0	0	0	0	0	2,483	80	0	80
Egypt .....	0	0	0	0	0	268	268	0	9	9
France .....	0	0	0	0	0	1,115	1,115	0	36	36
Gabon .....	0	0	0	0	0	0	4,937	159	0	159
Germany, FR .....	0	0	0	0	1	848	848	0	27	27
Guatemala .....	0	0	0	0	0	0	633	20	0	20
Italy .....	0	0	0	0	0	260	260	0	8	8
Ivory Coast .....	0	0	0	0	0	0	265	9	0	9
Korea, Republic of .....	57	0	0	0	0	1,205	1,205	0	39	39
Malaysia .....	0	0	0	0	188	982	1,447	15	32	47
Mexico .....	894	0	0	0	2	1,389	49,215	1,543	45	1,588
Netherlands .....	0	0	0	0	0	1,014	1,014	0	33	33
Netherlands Antilles .....	149	0	0	0	0	1,416	1,416	0	46	46
Norway .....	105	0	0	0	0	1,058	4,335	106	34	140
Peru .....	0	0	0	0	0	224	603	12	7	19
Russia .....	0	0	0	0	0	931	931	0	30	30
Singapore .....	0	0	0	0	0	300	300	0	10	10
Spain .....	0	0	0	0	0	1,339	1,339	0	43	43
Sweden .....	0	0	0	0	0	1,220	1,220	0	39	39
Trinidad and Tobago .....	0	0	0	0	0	0	2,138	69	0	69
United Kingdom .....	0	0	0	0	0	1,879	8,852	225	61	286
Virgin Islands, U.S. ....	0	0	0	0	45	7,664	7,664	0	247	247
Other .....	0	0	0	0	142	1,830	4,335	81	59	140
<b>Total</b> .....	<b>1,995</b>	<b>4,113</b>	<b>120</b>	<b>177</b>	<b>3,836</b>	<b>66,305</b>	<b>338,468</b>	<b>8,779</b>	<b>2,139</b>	<b>10,918</b>
<b>Persian Gulf<sup>e</sup></b> .....	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>694</b>	<b>694</b>	<b>81,815</b>	<b>2,617</b>	<b>22</b>	<b>2,639</b>

<sup>a</sup> 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.

<sup>b</sup> Includes crude oil imported for storage in the Strategic Petroleum Reserve.

<sup>c</sup> Includes aviation gasoline, aviation gasoline blending components, miscellaneous products, other hydrocarbons and oxygenates, pentanes plus, petroleum coke, and waxes.

<sup>d</sup> Formerly Zaire.

<sup>e</sup> Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.

(s) = Less than 500 barrels per day.

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

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

**Table 36. PAD District I—Imports of Crude Oil and Petroleum Products by Country of Origin,<sup>a</sup>  
December 2001  
(Thousand Barrels)**

Country of Origin	Crude Oil <sup>b</sup>	Liquefied Petroleum Gases	Unfinished Oils	Gasoline Blending Components	Finished Motor Gasoline	Jet Fuel	Distillate Fuel Oil	Residual Fuel Oil	Kerosene	Special Naphthas
<b>Arab OPEC</b> .....	<b>7,406</b>	<b>921</b>	<b>0</b>	<b>232</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,300</b>	<b>0</b>	<b>0</b>
Algeria .....	0	921	0	232	0	0	0	1,300	0	0
Iraq .....	1,001	0	0	0	0	0	0	0	0	0
Saudi Arabia .....	6,405	0	0	0	0	0	0	0	0	0
<b>Other OPEC</b> .....	<b>8,612</b>	<b>0</b>	<b>0</b>	<b>763</b>	<b>2,018</b>	<b>524</b>	<b>995</b>	<b>1,951</b>	<b>0</b>	<b>253</b>
Nigeria .....	5,782	0	0	115	0	0	0	702	0	253
Venezuela .....	2,830	0	0	648	2,018	524	995	1,249	0	0
<b>Non OPEC</b> .....	<b>23,386</b>	<b>697</b>	<b>597</b>	<b>5,392</b>	<b>11,764</b>	<b>679</b>	<b>5,648</b>	<b>4,142</b>	<b>64</b>	<b>74</b>
Angola .....	4,941	0	0	0	0	0	0	0	0	0
Argentina .....	614	0	0	397	523	0	0	0	0	0
Bahamas .....	0	0	0	0	0	0	0	315	0	0
Belgium .....	0	0	188	302	604	0	0	0	0	0
Brazil .....	0	0	0	416	156	0	0	439	0	0
Cameroon .....	306	0	0	0	0	0	0	40	0	0
Canada .....	4,944	582	0	748	5,064	16	2,530	103	64	45
China, People's Republic of .....	0	0	0	0	0	0	0	0	0	0
Colombia .....	802	0	0	0	0	0	0	326	0	0
Congo (Brazzaville) .....	1,325	0	0	0	0	0	0	256	0	0
Denmark .....	0	0	0	0	0	0	0	27	0	0
Ecuador .....	734	0	0	0	0	0	0	0	0	0
Egypt .....	0	0	0	0	268	0	0	0	0	0
France .....	0	0	0	397	251	0	0	0	0	0
Gabon .....	3,990	0	0	0	0	0	0	0	0	0
Germany, FR .....	0	0	228	0	0	0	0	253	0	0
Italy .....	0	0	0	0	200	53	0	0	0	0
Ivory Coast .....	265	0	0	0	0	0	0	0	0	0
Mexico .....	0	0	0	493	0	0	0	0	0	0
Netherlands .....	0	0	0	146	0	0	0	131	0	0
Netherlands Antilles .....	0	0	0	0	0	232	100	319	0	0
Norway .....	1,899	115	0	0	541	0	0	0	0	0
Russia .....	0	0	0	506	0	0	0	0	0	0
Spain .....	0	0	0	844	495	0	0	0	0	0
Sweden .....	0	0	0	0	0	0	0	676	0	0
United Kingdom .....	3,566	0	181	750	338	0	0	33	0	29
Virgin Islands, U.S. ....	0	0	0	0	3,324	378	3,018	899	0	0
Other .....	0	0	0	393	0	0	0	325	0	0
<b>Total</b> .....	<b>39,404</b>	<b>1,618</b>	<b>597</b>	<b>6,387</b>	<b>13,782</b>	<b>1,203</b>	<b>6,643</b>	<b>7,393</b>	<b>64</b>	<b>327</b>
<b>Persian Gulf<sup>e</sup></b> .....	<b>7,406</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

See footnotes at end of table.

**Table 36. PAD District I—Imports of Crude Oil and Petroleum Products by Country of Origin,<sup>a</sup>  
December 2001 (Continued)**  
(Thousand Barrels)

Country of Origin	Naphtha for Petrochemical Feedstock Use	Other Oils for Petrochemical Feedstock Use	Lubricants	Asphalt and Road Oil	Other Products <sup>c</sup>	Total Products	Total Crude Oil and Products	Daily Average		
								Crude Oil	Products	Total
<b>Arab OPEC</b> .....	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>95</b>	<b>2,548</b>	<b>9,954</b>	<b>239</b>	<b>82</b>	<b>321</b>
Algeria .....	0	0	0	0	0	2,453	2,453	0	79	79
Iraq .....	0	0	0	0	0	0	1,001	32	0	32
Saudi Arabia .....	0	0	0	0	95	95	6,500	207	3	210
<b>Other OPEC</b> .....	<b>0</b>	<b>0</b>	<b>0</b>	<b>56</b>	<b>54</b>	<b>6,614</b>	<b>15,226</b>	<b>278</b>	<b>213</b>	<b>491</b>
Nigeria .....	0	0	0	0	0	1,070	6,852	187	35	221
Venezuela .....	0	0	0	56	54	5,544	8,374	91	179	270
<b>Non OPEC</b> .....	<b>108</b>	<b>0</b>	<b>86</b>	<b>68</b>	<b>167</b>	<b>29,486</b>	<b>52,872</b>	<b>754</b>	<b>951</b>	<b>1,706</b>
Angola .....	0	0	0	0	0	0	4,941	159	0	159
Argentina .....	0	0	0	0	0	920	1,534	20	30	49
Bahamas .....	0	0	0	0	0	315	315	0	10	10
Belgium .....	0	0	0	0	0	1,094	1,094	0	35	35
Brazil .....	0	0	0	0	0	1,011	1,011	0	33	33
Cameroon .....	0	0	0	0	0	40	346	10	1	11
Canada .....	3	0	86	68	20	9,329	14,273	159	301	460
China, People's Republic of .....	0	0	0	0	16	16	16	0	1	1
Colombia .....	0	0	0	0	0	326	1,128	26	11	36
Congo (Brazzaville) .....	0	0	0	0	0	256	1,581	43	8	51
Denmark .....	0	0	0	0	0	27	27	0	1	1
Ecuador .....	0	0	0	0	0	0	734	24	0	24
Egypt .....	0	0	0	0	0	268	268	0	9	9
France .....	0	0	0	0	0	648	648	0	21	21
Gabon .....	0	0	0	0	0	0	3,990	129	0	129
Germany, FR .....	0	0	0	0	1	482	482	0	16	16
Italy .....	0	0	0	0	0	253	253	0	8	8
Ivory Coast .....	0	0	0	0	0	0	265	9	0	9
Mexico .....	0	0	0	0	0	493	493	0	16	16
Netherlands .....	0	0	0	0	0	277	277	0	9	9
Netherlands Antilles .....	0	0	0	0	0	651	651	0	21	21
Norway .....	105	0	0	0	0	761	2,660	61	25	86
Russia .....	0	0	0	0	0	506	506	0	16	16
Spain .....	0	0	0	0	0	1,339	1,339	0	43	43
Sweden .....	0	0	0	0	0	676	676	0	22	22
United Kingdom .....	0	0	0	0	0	1,331	4,897	115	43	158
Virgin Islands, U.S. ....	0	0	0	0	45	7,664	7,664	0	247	247
Other .....	0	0	0	0	85	803	803	0	26	26
<b>Total</b> .....	<b>108</b>	<b>0</b>	<b>86</b>	<b>124</b>	<b>316</b>	<b>38,648</b>	<b>78,052</b>	<b>1,271</b>	<b>1,247</b>	<b>2,518</b>
<b>Persian Gulf<sup>e</sup></b> .....	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>95</b>	<b>95</b>	<b>7,501</b>	<b>239</b>	<b>3</b>	<b>242</b>

<sup>a</sup> 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.  
<sup>b</sup> Includes crude oil imported for storage in the Strategic Petroleum Reserve.  
<sup>c</sup> Includes aviation gasoline, aviation gasoline blending components, miscellaneous products, other hydrocarbons and oxygenates, pentanes plus, petroleum coke, and waxes.  
<sup>d</sup> Formerly Zaire.  
<sup>e</sup> Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.  
(s) = Less than 500 barrels per day.  
Note: Totals may not equal sum of components due to independent rounding.  
Source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."

**Table 37. PAD District II—Imports of Crude Oil and Petroleum Products by Country of Origin,<sup>a</sup>  
December 2001  
(Thousand Barrels)**

Country of Origin	Crude Oil <sup>b</sup>	Liquefied Petroleum Gases	Unfinished Oils	Gasoline Blending Components	Finished Motor Gasoline	Jet Fuel	Distillate Fuel Oil	Residual Fuel Oil	Kerosene	Special Naphthas
<b>Arab OPEC</b> .....	<b>7,418</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Iraq .....	2,600	0	0	0	0	0	0	0	0	0
Kuwait .....	149	0	0	0	0	0	0	0	0	0
Saudi Arabia .....	4,669	0	0	0	0	0	0	0	0	0
<b>Other OPEC</b> .....	<b>3,714</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Nigeria .....	2,716	0	0	0	0	0	0	0	0	0
Venezuela .....	998	0	0	0	0	0	0	0	0	0
<b>Non OPEC</b> .....	<b>31,313</b>	<b>4,050</b>	<b>0</b>	<b>0</b>	<b>63</b>	<b>0</b>	<b>306</b>	<b>35</b>	<b>0</b>	<b>80</b>
Angola .....	284	0	0	0	0	0	0	0	0	0
Canada .....	28,350	4,050	0	0	63	0	306	35	0	80
Colombia .....	1,674	0	0	0	0	0	0	0	0	0
Mexico .....	528	0	0	0	0	0	0	0	0	0
United Kingdom .....	477	0	0	0	0	0	0	0	0	0
Other .....	0	0	0	0	0	0	0	0	0	0
<b>Total</b> .....	<b>42,445</b>	<b>4,050</b>	<b>0</b>	<b>0</b>	<b>63</b>	<b>0</b>	<b>306</b>	<b>35</b>	<b>0</b>	<b>80</b>
<b>Persian Gulf<sup>e</sup></b> .....	<b>7,418</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

See footnotes at end of table.

**Table 37. PAD District II—Imports of Crude Oil and Petroleum Products by Country of Origin,<sup>a</sup>  
December 2001 (Continued)  
(Thousand Barrels)**

Country of Origin	Naphtha for Petrochemical Feedstock Use	Other Oils for Petrochemical Feedstock Use	Lubricants	Asphalt and Road Oil	Other Products <sup>c</sup>	Total Products	Total Crude Oil and Products	Daily Average		
								Crude Oil	Products	Total
<b>Arab OPEC</b> .....	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>7,418</b>	<b>239</b>	<b>0</b>	<b>239</b>
Iraq .....	0	0	0	0	0	0	2,600	84	0	84
Kuwait .....	0	0	0	0	0	0	149	5	0	5
Saudi Arabia .....	0	0	0	0	0	0	4,669	151	0	151
<b>Other OPEC</b> .....	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3,714</b>	<b>120</b>	<b>0</b>	<b>120</b>
Nigeria .....	0	0	0	0	0	0	2,716	88	0	88
Venezuela .....	0	0	0	0	0	0	998	32	0	32
<b>Non OPEC</b> .....	<b>41</b>	<b>0</b>	<b>34</b>	<b>10</b>	<b>54</b>	<b>4,673</b>	<b>35,986</b>	<b>1,010</b>	<b>151</b>	<b>1,161</b>
Angola .....	0	0	0	0	0	0	284	9	0	9
Canada .....	41	0	34	10	50	4,669	33,019	915	151	1,065
Colombia .....	0	0	0	0	0	0	1,674	54	0	54
Mexico .....	0	0	0	0	0	0	528	17	0	17
United Kingdom .....	0	0	0	0	0	0	477	15	0	15
Other .....	0	0	0	0	4	4	4	0	(s)	(s)
<b>Total</b> .....	<b>41</b>	<b>0</b>	<b>34</b>	<b>10</b>	<b>54</b>	<b>4,673</b>	<b>47,118</b>	<b>1,369</b>	<b>151</b>	<b>1,520</b>
<b>Persian Gulf<sup>e</sup></b> .....	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>7,418</b>	<b>239</b>	<b>0</b>	<b>239</b>

<sup>a</sup> 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.

<sup>b</sup> Includes crude oil imported for storage in the Strategic Petroleum Reserve.

<sup>c</sup> Includes aviation gasoline, aviation gasoline blending components, miscellaneous products, other hydrocarbons and oxygenates, pentanes plus, petroleum coke, and waxes.

<sup>d</sup> Formerly Zaire.

<sup>e</sup> Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.

(s) = Less than 500 barrels per day.

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. PAD District III—Imports of Crude Oil and Petroleum Products by Country of Origin,<sup>a</sup>  
December 2001  
(Thousand Barrels)**

Country of Origin	Crude Oil <sup>b</sup>	Liquefied Petroleum Gases	Unfinished Oils	Gasoline Blending Components	Finished Motor Gasoline	Jet Fuel	Distillate Fuel Oil	Residual Fuel Oil	Kerosene	Special Naphthas
<b>Arab OPEC</b> .....	<b>55,298</b>	<b>0</b>	<b>681</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>368</b>	<b>180</b>	<b>0</b>	<b>0</b>
Algeria .....	0	0	681	0	0	0	368	180	0	0
Iraq .....	23,544	0	0	0	0	0	0	0	0	0
Kuwait .....	4,176	0	0	0	0	0	0	0	0	0
Saudi Arabia .....	27,578	0	0	0	0	0	0	0	0	0
<b>Other OPEC</b> .....	<b>41,841</b>	<b>0</b>	<b>534</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Nigeria .....	9,139	0	0	0	0	0	0	0	0	0
Venezuela .....	32,702	0	534	0	0	0	0	0	0	0
<b>Non OPEC</b> .....	<b>64,476</b>	<b>150</b>	<b>3,333</b>	<b>972</b>	<b>0</b>	<b>0</b>	<b>7</b>	<b>1,853</b>	<b>0</b>	<b>7</b>
Angola .....	2,933	0	0	0	0	0	0	0	0	0
Argentina .....	365	0	0	0	0	0	0	0	0	0
Belgium .....	0	0	1,075	0	0	0	0	0	0	0
Canada .....	627	150	56	0	0	0	0	0	0	0
Colombia .....	5,028	0	0	440	0	0	0	0	0	0
Denmark .....	0	0	100	0	0	0	0	0	0	0
France .....	0	0	17	0	0	0	0	450	0	0
Gabon .....	947	0	0	0	0	0	0	0	0	0
Germany, FR .....	0	0	0	0	0	0	0	366	0	0
Guatemala .....	633	0	0	0	0	0	0	0	0	0
Italy .....	0	0	0	0	0	0	0	0	0	7
Mexico .....	45,426	0	0	0	0	0	0	0	0	0
Netherlands .....	0	0	497	0	0	0	0	240	0	0
Netherlands Antilles .....	0	0	308	308	0	0	0	0	0	0
Norway .....	1,341	0	297	0	0	0	0	0	0	0
Peru .....	0	0	0	224	0	0	0	0	0	0
Russia .....	0	0	0	0	0	0	0	425	0	0
Sweden .....	0	0	544	0	0	0	0	0	0	0
Trinidad and Tobago .....	2,138	0	0	0	0	0	0	0	0	0
United Kingdom .....	2,930	0	169	0	0	0	7	372	0	0
Other .....	2,108	0	270	0	0	0	0	0	0	0
<b>Total</b> .....	<b>161,615</b>	<b>150</b>	<b>4,548</b>	<b>972</b>	<b>0</b>	<b>0</b>	<b>375</b>	<b>2,033</b>	<b>0</b>	<b>7</b>
<b>Persian Gulf<sup>e</sup></b> .....	<b>55,298</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

See footnotes at end of table.

**Table 38. PAD District III—Imports of Crude Oil and Petroleum Products by Country of Origin,<sup>a</sup>  
December 2001 (Continued)  
(Thousand Barrels)**

Country of Origin	Naphtha for Petrochemical Feedstock Use	Other Oils for Petrochemical Feedstock Use	Lubricants	Asphalt and Road Oil	Other Products <sup>c</sup>	Total Products	Total Crude Oil and Products	Daily Average		
								Crude Oil	Products	Total
<b>Arab OPEC</b> .....	<b>586</b>	<b>4,113</b>	<b>0</b>	<b>0</b>	<b>1,733</b>	<b>7,661</b>	<b>62,959</b>	<b>1,784</b>	<b>247</b>	<b>2,031</b>
Algeria .....	586	4,113	0	0	1,733	7,661	7,661	0	247	247
Iraq .....	0	0	0	0	0	0	23,544	759	0	759
Kuwait .....	0	0	0	0	0	0	4,176	135	0	135
Saudi Arabia .....	0	0	0	0	0	0	27,578	890	0	890
<b>Other OPEC</b> .....	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>534</b>	<b>42,375</b>	<b>1,350</b>	<b>17</b>	<b>1,367</b>
Nigeria .....	0	0	0	0	0	0	9,139	295	0	295
Venezuela .....	0	0	0	0	0	534	33,236	1,055	17	1,072
<b>Non OPEC</b> .....	<b>1,203</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>5</b>	<b>7,530</b>	<b>72,006</b>	<b>2,080</b>	<b>243</b>	<b>2,323</b>
Angola .....	0	0	0	0	0	0	2,933	95	0	95
Argentina .....	0	0	0	0	0	0	365	12	0	12
Belgium .....	0	0	0	0	0	1,075	1,075	0	35	35
Canada .....	0	0	0	0	0	206	833	20	7	27
Colombia .....	160	0	0	0	0	600	5,628	162	19	182
Denmark .....	0	0	0	0	0	100	100	0	3	3
France .....	0	0	0	0	0	467	467	0	15	15
Gabon .....	0	0	0	0	0	0	947	31	0	31
Germany, FR .....	0	0	0	0	0	366	366	0	12	12
Guatemala .....	0	0	0	0	0	0	633	20	0	20
Italy .....	0	0	0	0	0	7	7	0	(s)	(s)
Mexico .....	894	0	0	0	2	896	46,322	1,465	29	1,494
Netherlands .....	0	0	0	0	0	737	737	0	24	24
Netherlands Antilles .....	149	0	0	0	0	765	765	0	25	25
Norway .....	0	0	0	0	0	297	1,638	43	10	53
Peru .....	0	0	0	0	0	224	224	0	7	7
Russia .....	0	0	0	0	0	425	425	0	14	14
Sweden .....	0	0	0	0	0	544	544	0	18	18
Trinidad and Tobago .....	0	0	0	0	0	0	2,138	69	0	69
United Kingdom .....	0	0	0	0	0	548	3,478	95	18	112
Other .....	0	0	0	0	3	273	2,381	68	9	77
<b>Total</b> .....	<b>1,789</b>	<b>4,113</b>	<b>0</b>	<b>0</b>	<b>1,738</b>	<b>15,725</b>	<b>177,340</b>	<b>5,213</b>	<b>507</b>	<b>5,721</b>
<b>Persian Gulf<sup>e</sup></b> .....	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>55,298</b>	<b>1,784</b>	<b>0</b>	<b>1,784</b>

<sup>a</sup> 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.

<sup>b</sup> Includes crude oil imported for storage in the Strategic Petroleum Reserve.

<sup>c</sup> Includes aviation gasoline, aviation gasoline blending components, miscellaneous products, other hydrocarbons and oxygenates, pentanes plus, petroleum coke, and waxes.

<sup>d</sup> Formerly Zaire.

<sup>e</sup> Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.

(s) = Less than 500 barrels per day.

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. PAD Districts IV and V—Imports of Crude Oil and Petroleum Products by Country of Origin,<sup>a</sup>  
December 2001  
(Thousand Barrels)**

Country of Origin	Crude Oil <sup>b</sup>	Liquefied Petroleum Gases	Unfinished Oils	Gasoline Blending Components	Finished Motor Gasoline	Jet Fuel	Distillate Fuel Oil	Residual Fuel Oil	Kerosene	Special Naphthas
<b>PAD District IV</b>										
<b>Non OPEC</b> .....	<b>6,344</b>	<b>465</b>	<b>0</b>	<b>0</b>	<b>11</b>	<b>1</b>	<b>149</b>	<b>0</b>	<b>0</b>	<b>0</b>
Canada .....	6,344	465	0	0	11	1	149	0	0	0
<b>Total</b> .....	<b>6,344</b>	<b>465</b>	<b>0</b>	<b>0</b>	<b>11</b>	<b>1</b>	<b>149</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>PAD District V</b>										
<b>Arab OPEC</b> .....	<b>10,999</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Iraq .....	7,577	0	0	0	0	0	0	0	0	0
Qatar .....	0	0	0	0	0	0	0	0	0	0
Saudi Arabia .....	3,422	0	0	0	0	0	0	0	0	0
<b>Other OPEC</b> .....	<b>1,613</b>	<b>0</b>	<b>293</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Indonesia .....	1,301	0	293	0	0	0	0	0	0	0
Nigeria .....	312	0	0	0	0	0	0	0	0	0
Venezuela .....	0	0	0	0	0	0	0	0	0	0
<b>Non OPEC</b> .....	<b>9,743</b>	<b>448</b>	<b>860</b>	<b>134</b>	<b>1,265</b>	<b>1,721</b>	<b>2</b>	<b>82</b>	<b>0</b>	<b>0</b>
Argentina .....	1,224	0	0	0	0	0	0	0	0	0
Australia .....	1,425	0	0	0	0	3	0	0	0	0
Canada .....	2,195	448	0	134	350	0	2	82	0	0
China, People's Republic of .....	0	0	0	0	0	223	0	0	0	0
Colombia .....	0	0	0	0	0	328	0	0	0	0
Ecuador .....	1,749	0	0	0	0	0	0	0	0	0
Korea, Republic of .....	0	0	0	0	293	855	0	0	0	0
Malaysia .....	465	0	482	0	0	312	0	0	0	0
Mexico .....	1,872	0	0	0	0	0	0	0	0	0
Norway .....	37	0	0	0	0	0	0	0	0	0
Peru .....	379	0	0	0	0	0	0	0	0	0
Singapore .....	0	0	0	0	300	0	0	0	0	0
Other .....	397	0	378	0	322	0	0	0	0	0
<b>Total</b> .....	<b>22,355</b>	<b>448</b>	<b>1,153</b>	<b>134</b>	<b>1,265</b>	<b>1,721</b>	<b>2</b>	<b>82</b>	<b>0</b>	<b>0</b>
<b>Persian Gulf<sup>e</sup></b> .....	<b>10,999</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

See footnotes at end of table.

**Table 39. PAD Districts IV and V—Imports of Crude Oil and Petroleum Products by Country of Origin,<sup>a</sup>  
December 2001 (Continued)**  
(Thousand Barrels)

Country of Origin	Naphtha for Petrochemical Feedstock Use	Other Oils for Petrochemical Feedstock Use	Lubricants	Asphalt and Road Oil	Other Products <sup>c</sup>	Total Products	Total Crude Oil and Products	Daily Average		
								Crude Oil	Products	Total
<b>PAD District IV</b>										
<b>Non OPEC</b> .....	<b>0</b>	<b>0</b>	<b>0</b>	<b>43</b>	<b>132</b>	<b>801</b>	<b>7,145</b>	<b>205</b>	<b>26</b>	<b>230</b>
Canada .....	0	0	0	43	132	801	7,145	205	26	230
<b>Total</b> .....	<b>0</b>	<b>0</b>	<b>0</b>	<b>43</b>	<b>132</b>	<b>801</b>	<b>7,145</b>	<b>205</b>	<b>26</b>	<b>230</b>
<b>PAD District V</b>										
<b>Arab OPEC</b> .....	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>599</b>	<b>599</b>	<b>11,598</b>	<b>355</b>	<b>19</b>	<b>374</b>
Iraq .....	0	0	0	0	0	0	7,577	244	0	244
Qatar .....	0	0	0	0	312	312	312	0	10	10
Saudi Arabia .....	0	0	0	0	287	287	3,709	110	9	120
<b>Other OPEC</b> .....	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>229</b>	<b>522</b>	<b>2,135</b>	<b>52</b>	<b>17</b>	<b>69</b>
Indonesia .....	0	0	0	0	0	293	1,594	42	9	51
Nigeria .....	0	0	0	0	0	0	312	10	0	10
Venezuela .....	0	0	0	0	229	229	229	0	7	7
<b>Non OPEC</b> .....	<b>57</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>768</b>	<b>5,337</b>	<b>15,080</b>	<b>314</b>	<b>172</b>	<b>486</b>
Argentina .....	0	0	0	0	0	0	1,224	39	0	39
Australia .....	0	0	0	0	0	3	1,428	46	(s)	46
Canada .....	0	0	0	0	494	1,510	3,705	71	49	120
China, People's Republic of .....	0	0	0	0	36	259	259	0	8	8
Colombia .....	0	0	0	0	0	328	328	0	11	11
Ecuador .....	0	0	0	0	0	0	1,749	56	0	56
Korea, Republic of .....	57	0	0	0	0	1,205	1,205	0	39	39
Malaysia .....	0	0	0	0	188	982	1,447	15	32	47
Mexico .....	0	0	0	0	0	0	1,872	60	0	60
Norway .....	0	0	0	0	0	0	37	1	0	1
Peru .....	0	0	0	0	0	0	379	12	0	12
Singapore .....	0	0	0	0	0	300	300	0	10	10
Other .....	0	0	0	0	50	750	1,147	13	24	37
<b>Total</b> .....	<b>57</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,596</b>	<b>6,458</b>	<b>28,813</b>	<b>721</b>	<b>208</b>	<b>929</b>
<b>Persian Gulf<sup>e</sup></b> .....	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>599</b>	<b>599</b>	<b>11,598</b>	<b>355</b>	<b>19</b>	<b>374</b>

<sup>a</sup> 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.

<sup>b</sup> Includes crude oil imported for storage in the Strategic Petroleum Reserve.

<sup>c</sup> Includes aviation gasoline, aviation gasoline blending components, miscellaneous products, other hydrocarbons and oxygenates, pentanes plus, petroleum coke, and waxes.

<sup>d</sup> Formerly Zaire.

<sup>e</sup> Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.

(s) = Less than 500 barrels per day.

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,<sup>a</sup> January-December 2001**  
(Thousand Barrels)

Country of Origin	Crude Oil <sup>b</sup>	Liquefied Petroleum Gases	Unfinished Oils	Gasoline Blending Components	Finished Motor Gasoline	Jet Fuel	Distillate Fuel Oil	Residual Fuel Oil	Kerosene	Special Naphthas
<b>Arab OPEC</b>	<b>968,400</b>	<b>14,159</b>	<b>8,904</b>	<b>2,594</b>	<b>1,203</b>	<b>6,396</b>	<b>3,716</b>	<b>20,642</b>	<b>977</b>	<b>0</b>
Algeria	3,966	11,193	8,830	567	21	198	2,435	19,646	434	0
Iraq	283,830	0	0	0	0	0	0	0	0	0
Kuwait	84,956	464	0	0	0	3,109	0	0	0	0
Qatar	69	0	0	165	0	0	0	0	0	0
Saudi Arabia	587,777	2,502	74	1,859	391	1,654	684	996	0	0
United Arab Emirates	7,802	0	0	3	791	1,435	597	0	543	0
<b>Other OPEC</b>	<b>778,875</b>	<b>3,240</b>	<b>8,285</b>	<b>8,270</b>	<b>21,687</b>	<b>9,594</b>	<b>17,741</b>	<b>27,946</b>	<b>0</b>	<b>831</b>
Indonesia	14,686	0	390	0	0	0	214	2,673	0	0
Nigeria	296,600	3,002	633	1,029	0	20	706	8,378	0	831
Venezuela	467,589	238	7,262	7,241	21,687	9,574	16,821	16,895	0	0
<b>Non OPEC</b>	<b>1,591,075</b>	<b>55,105</b>	<b>70,860</b>	<b>94,582</b>	<b>140,714</b>	<b>37,506</b>	<b>108,875</b>	<b>91,474</b>	<b>796</b>	<b>4,019</b>
Angola	114,569	0	235	0	0	0	752	1,427	0	0
Argentina	20,160	0	1,038	5,826	4,272	0	730	492	0	0
Australia	13,017	0	0	0	281	523	184	0	0	0
Bahamas	0	0	0	718	0	0	0	3,263	0	0
Belgium	0	0	9,610	4,240	6,514	0	1,059	1,047	0	286
Brazil	4,667	0	620	3,714	7,750	0	1,832	8,065	0	328
Brunei	7,424	0	0	0	0	0	0	0	0	0
Cameroon	1,255	0	0	0	0	0	546	549	0	0
Canada	481,894	49,022	1,554	10,274	43,559	813	35,293	11,257	660	1,202
China, People's Republic of	4,684	0	0	2,926	420	223	0	0	0	55
Colombia	89,255	0	979	3,717	0	2,038	638	5,424	0	96
Congo (Brazzaville)	13,824	137	377	0	0	0	1,256	427	0	0
Congo (Kinshasa) <sup>d</sup>	345	0	0	0	0	0	0	0	0	0
Denmark	0	0	389	10	0	0	0	1,263	0	0
Ecuador	39,277	0	0	176	0	0	0	1,115	0	159
Egypt	0	0	0	367	902	0	0	689	0	0
France	0	35	3,632	4,650	3,684	0	1,031	1,655	0	329
Gabon	50,537	0	0	0	0	0	0	0	0	0
Germany, FR	0	0	1,721	1,795	935	0	1,103	8,159	0	0
Greece	0	0	40	528	0	195	0	0	0	0
Guatemala	6,485	0	0	0	0	0	0	0	0	0
India	0	0	253	1,669	431	653	1,554	244	0	0
Ireland	0	0	196	7	0	0	329	427	0	0
Italy	0	0	1,963	5,604	4,050	177	1,256	386	0	181
Ivory Coast	1,517	0	350	0	0	0	204	0	0	0
Japan	0	0	0	43	203	2,519	0	171	0	0
Korea, Republic of	0	0	0	1,029	2,675	10,741	1,646	0	0	464
Malaysia	5,525	0	3,053	0	0	1,321	2,150	0	25	0
Mexico	503,300	0	340	2,692	125	948	101	0	0	0
Netherlands	0	0	1,510	3,473	4,435	0	1,040	3,305	0	198
Netherlands Antilles	0	0	11,376	715	376	5,546	4,426	4,061	0	136
Norway	97,437	3,433	4,752	20	4,941	0	0	2,666	0	0
Oman	5,920	0	0	0	0	0	0	0	0	0
Panama	0	0	0	52	0	0	0	634	0	0
Peru	2,524	0	781	739	0	0	330	1,144	0	0
Portugal	0	0	0	1,630	1,734	0	0	327	0	0
Puerto Rico	0	0	0	0	0	0	0	0	0	0
Romania	0	0	0	276	0	0	486	0	0	0
Russia	0	0	5,798	7,718	968	0	10,905	6,720	0	61
Singapore	0	0	1,837	1,542	1,358	1,242	180	0	0	0
Spain	0	74	799	6,206	2,574	0	437	307	0	37
Sweden	0	475	3,883	238	0	0	1,059	2,705	0	0
Syria	0	0	688	0	0	0	0	222	0	0
Thailand	1,751	0	0	0	0	892	0	0	0	21
Trinidad and Tobago	18,562	0	1,452	1,750	481	430	321	2,493	0	0
Tunisia	0	0	0	0	0	0	1,077	603	0	0
Turkey	0	0	825	0	0	0	301	247	0	0
United Kingdom	82,570	1,929	4,764	10,473	5,586	0	1,250	4,713	0	29
Virgin Islands, U.S.	0	0	4,095	213	38,882	8,191	32,284	12,732	111	306
Yemen	8,702	0	0	0	0	485	0	0	0	0
Other	15,874	0	1,950	9,552	3,578	569	3,115	2,535	0	131
<b>Total</b>	<b>3,338,350</b>	<b>72,504</b>	<b>88,049</b>	<b>105,446</b>	<b>163,604</b>	<b>53,496</b>	<b>130,332</b>	<b>140,062</b>	<b>1,773</b>	<b>4,850</b>
<b>Persian Gulf<sup>e</sup></b>	<b>964,434</b>	<b>2,966</b>	<b>239</b>	<b>2,027</b>	<b>1,182</b>	<b>6,204</b>	<b>1,281</b>	<b>996</b>	<b>543</b>	<b>0</b>

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,<sup>a</sup> January-December 2001 (Continued)**  
(Thousand Barrels)

Country of Origin	Naphtha for Petrochemical Feedstock Use	Other Oils for Petrochemical Feedstock Use	Lubricants	Asphalt and Road Oil	Other Products <sup>c</sup>	Total Products	Total Crude Oil and Products	Daily Average		
								Crude Oil	Products	Total
<b>Arab OPEC</b>	<b>4,801</b>	<b>40,519</b>	<b>0</b>	<b>0</b>	<b>24,774</b>	<b>128,685</b>	<b>1,097,085</b>	<b>2,653</b>	<b>353</b>	<b>3,006</b>
Algeria	2,983	37,715	0	0	12,353	96,375	100,341	11	264	275
Iraq	0	0	0	0	0	0	283,830	778	0	778
Kuwait	0	0	0	0	0	3,573	88,529	233	10	243
Qatar	0	1,828	0	0	2,832	4,825	4,894	(s)	13	13
Saudi Arabia	1,105	227	0	0	7,504	16,996	604,773	1,610	47	1,657
United Arab Emirates	713	749	0	0	2,085	6,916	14,718	21	19	40
<b>Other OPEC</b>	<b>3,022</b>	<b>1,041</b>	<b>0</b>	<b>6,281</b>	<b>4,402</b>	<b>112,340</b>	<b>891,215</b>	<b>2,134</b>	<b>308</b>	<b>2,442</b>
Indonesia	0	314	0	0	10	3,601	18,287	40	10	50
Nigeria	272	0	0	0	145	15,016	311,616	813	41	854
Venezuela	2,750	727	0	6,281	4,247	93,723	561,312	1,281	257	1,538
<b>Non OPEC</b>	<b>25,166</b>	<b>10,189</b>	<b>2,815</b>	<b>3,293</b>	<b>16,156</b>	<b>661,550</b>	<b>2,252,625</b>	<b>4,359</b>	<b>1,812</b>	<b>6,172</b>
Angola	0	0	0	0	0	2,414	116,983	314	7	321
Argentina	1,615	0	0	0	0	13,973	34,133	55	38	94
Australia	0	1,946	0	0	0	2,934	15,951	36	8	44
Bahamas	0	0	0	0	0	3,981	3,981	0	11	11
Belgium	360	0	0	0	25	23,141	23,141	0	63	63
Brazil	105	0	0	0	976	23,390	28,057	13	64	77
Brunei	0	0	0	0	0	0	7,424	20	0	20
Cameroon	0	0	0	0	0	1,095	2,350	3	3	6
Canada	1,279	926	1,660	2,877	9,464	169,840	651,734	1,320	465	1,786
China, People's Republic of	0	0	0	0	272	3,896	8,580	13	11	24
Colombia	160	0	0	0	0	13,052	102,307	245	36	280
Congo (Brazzaville)	0	0	0	0	0	2,197	16,021	38	6	44
Congo (Kinshasa) <sup>d</sup>	0	0	0	0	0	0	345	1	0	1
Denmark	0	0	0	0	0	1,662	1,662	0	5	5
Ecuador	301	0	0	0	0	1,751	41,028	108	5	112
Egypt	594	0	0	0	0	2,552	2,552	0	7	7
France	280	399	0	0	80	15,775	15,775	0	43	43
Gabon	0	0	0	0	0	0	50,537	138	0	138
Germany, FR	0	0	0	0	42	13,755	13,755	0	38	38
Greece	515	0	0	0	0	1,278	1,278	0	4	4
Guatemala	0	0	0	0	0	0	6,485	18	0	18
India	0	0	0	0	248	5,052	5,052	0	14	14
Ireland	53	0	0	0	0	1,012	1,012	0	3	3
Italy	0	273	0	0	10	13,900	13,900	0	38	38
Ivory Coast	0	0	0	0	0	554	2,071	4	2	6
Japan	0	0	0	0	56	2,992	2,992	0	8	8
Korea, Republic of	428	0	81	0	555	17,619	17,619	0	48	48
Malaysia	0	0	0	0	1,158	7,707	13,232	15	21	36
Mexico	10,688	0	0	202	999	16,095	519,395	1,379	44	1,423
Netherlands	381	0	0	0	1,071	15,413	15,413	0	42	42
Netherlands Antilles	1,539	0	0	98	19	28,292	28,292	0	78	78
Norway	1,856	4,150	0	0	0	21,818	119,255	267	60	327
Oman	0	0	0	0	0	0	5,920	16	0	16
Panama	0	0	0	0	0	686	686	0	2	2
Peru	596	0	0	0	0	3,590	6,114	7	10	17
Portugal	0	0	0	0	132	3,823	3,823	0	10	10
Puerto Rico	374	0	1,053	0	0	1,427	1,427	0	4	4
Romania	0	0	0	0	0	762	762	0	2	2
Russia	374	0	0	0	164	32,708	32,708	0	90	90
Singapore	80	0	0	0	123	6,362	6,362	0	17	17
Spain	268	96	0	116	0	10,914	10,914	0	30	30
Sweden	0	0	0	0	0	8,360	8,360	0	23	23
Syria	313	0	0	0	0	1,223	1,223	0	3	3
Thailand	0	0	0	0	47	960	2,711	5	3	7
Trinidad and Tobago	402	0	0	0	0	7,329	25,891	51	20	71
Tunisia	0	0	0	0	0	1,680	1,680	0	5	5
Turkey	200	0	0	0	65	1,638	1,638	0	4	4
United Kingdom	145	0	21	0	40	28,950	111,520	226	79	306
Virgin Islands, U.S.	0	0	0	0	88	96,902	96,902	0	265	265
Yemen	0	0	0	0	0	485	9,187	24	1	25
Other	2,260	2,399	0	0	522	26,611	42,485	43	73	116
<b>Total</b>	<b>32,989</b>	<b>51,749</b>	<b>2,815</b>	<b>9,574</b>	<b>45,332</b>	<b>902,575</b>	<b>4,240,925</b>	<b>9,146</b>	<b>2,473</b>	<b>11,619</b>
<b>Persian Gulf<sup>e</sup></b>	<b>1,818</b>	<b>2,804</b>	<b>0</b>	<b>0</b>	<b>12,421</b>	<b>32,481</b>	<b>996,915</b>	<b>2,642</b>	<b>89</b>	<b>2,731</b>

<sup>a</sup> 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.

<sup>b</sup> Includes crude oil imported for storage in the Strategic Petroleum Reserve.

<sup>c</sup> Includes aviation gasoline, aviation gasoline blending components, miscellaneous products, other hydrocarbons and oxygenates, pentanes plus, petroleum coke, and waxes.

<sup>d</sup> Formerly Zaire.

<sup>e</sup> Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.

(s) = Less than 500 barrels per day.

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 I—Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin,<sup>a</sup>  
January-December 2001  
(Thousand Barrels)**

Country of Origin	Crude Oil <sup>b</sup>	Liquefied Petroleum Gases	Unfinished Oils	Gasoline Blending Components	Finished Motor Gasoline	Jet Fuel	Distillate Fuel Oil	Residual Fuel Oil	Kerosene	Special Naphthas
<b>Arab OPEC</b>	<b>77,240</b>	<b>4,509</b>	<b>35</b>	<b>2,057</b>	<b>875</b>	<b>3,252</b>	<b>2,132</b>	<b>19,115</b>	<b>977</b>	<b>0</b>
Algeria	0	4,356	35	342	21	198	851	19,115	434	0
Iraq	4,935	0	0	0	0	0	0	0	0	0
Kuwait	300	0	0	0	0	1,279	0	0	0	0
Qatar	0	0	0	165	0	0	0	0	0	0
Saudi Arabia	69,545	153	0	1,547	385	1,199	684	0	0	0
United Arab Emirates	2,460	0	0	3	469	576	597	0	543	0
<b>Other OPEC</b>	<b>162,810</b>	<b>248</b>	<b>402</b>	<b>7,679</b>	<b>21,447</b>	<b>6,235</b>	<b>17,346</b>	<b>23,314</b>	<b>0</b>	<b>831</b>
Indonesia	0	0	0	0	0	0	110	2,020	0	0
Nigeria	111,664	248	146	1,029	0	20	706	5,023	0	831
Venezuela	51,146	0	256	6,650	21,447	6,215	16,530	16,271	0	0
<b>Non OPEC</b>	<b>285,511</b>	<b>9,721</b>	<b>10,205</b>	<b>79,839</b>	<b>129,858</b>	<b>16,411</b>	<b>93,526</b>	<b>62,669</b>	<b>771</b>	<b>1,840</b>
Angola	62,686	0	0	0	0	0	752	751	0	0
Argentina	4,937	0	142	5,701	4,259	0	400	340	0	0
Bahamas	0	0	0	718	0	0	0	3,263	0	0
Belgium	0	0	844	3,948	6,219	0	0	870	0	286
Brazil	0	0	295	3,552	7,750	0	1,472	7,654	0	128
Cameroon	1,255	0	0	0	0	0	546	207	0	0
Canada	43,294	6,748	476	8,715	41,655	778	30,817	9,456	660	501
China, People's Republic of	0	0	0	2,143	420	0	0	0	0	0
Colombia	8,771	0	426	211	0	992	638	4,981	0	96
Congo (Brazzaville)	11,878	137	377	0	0	0	1,256	427	0	0
Congo (Kinshasa) <sup>d</sup>	345	0	0	0	0	0	0	0	0	0
Denmark	0	0	0	10	0	0	0	1,263	0	0
Ecuador	10,593	0	0	176	0	0	0	225	0	0
Egypt	0	0	0	367	446	0	0	0	0	0
France	0	0	1,697	4,502	3,293	0	1,031	267	0	329
Gabon	47,220	0	0	0	0	0	0	0	0	0
Germany, FR	0	0	678	1,585	935	0	981	1,263	0	0
Greece	0	0	0	528	0	195	0	0	0	0
India	0	0	0	1,669	431	0	1,554	0	0	0
Ireland	0	0	0	7	0	0	329	0	0	0
Italy	0	0	722	5,143	4,036	177	904	386	0	0
Ivory Coast	1,014	0	0	0	0	0	0	0	0	0
Japan	0	0	0	0	0	0	0	0	0	0
Korea, Republic of	0	0	0	0	0	0	264	0	0	0
Malaysia	0	0	0	0	0	0	541	0	0	0
Mexico	13,842	0	0	1,102	125	75	0	0	0	0
Netherlands	0	0	0	3,434	3,549	0	906	1,321	0	85
Netherlands Antilles	0	0	60	407	0	5,512	3,883	3,743	0	136
Norway	53,150	1,244	0	20	4,941	0	0	2,666	0	0
Panama	0	0	0	0	0	0	0	344	0	0
Peru	0	0	0	220	0	0	330	185	0	0
Portugal	0	0	0	1,387	1,696	0	0	0	0	0
Puerto Rico	0	0	0	0	0	0	0	0	0	0
Romania	0	0	0	276	0	0	486	0	0	0
Russia	0	0	59	6,870	869	0	10,345	931	0	61
Singapore	0	0	0	547	329	55	16	0	0	0
Spain	0	0	0	5,958	2,570	0	253	110	0	37
Sweden	0	342	885	238	0	0	1,059	1,341	0	0
Thailand	0	0	0	0	0	0	0	0	0	21
Trinidad and Tobago	0	0	249	1,521	481	430	0	2,493	0	0
Tunisia	0	0	0	0	0	0	914	603	0	0
United Kingdom	26,526	1,250	559	10,471	5,252	0	703	2,752	0	29
Virgin Islands, U.S.	0	0	1,919	37	38,135	8,191	30,810	12,732	111	0
Other	0	0	817	8,376	2,467	6	2,336	2,095	0	131
<b>Total</b>	<b>525,561</b>	<b>14,478</b>	<b>10,642</b>	<b>89,575</b>	<b>152,180</b>	<b>25,898</b>	<b>113,004</b>	<b>105,098</b>	<b>1,748</b>	<b>2,671</b>
<b>Persian Gulf<sup>e</sup></b>	<b>77,240</b>	<b>153</b>	<b>165</b>	<b>1,715</b>	<b>854</b>	<b>3,060</b>	<b>1,281</b>	<b>0</b>	<b>543</b>	<b>0</b>

See footnotes at end of table.

**Table 41. PAD District I—Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin,<sup>a</sup> January-December 2001 (Continued)**  
(Thousand Barrels)

Country of Origin	Naphtha for Petrochemical Feedstock Use	Other Oils for Petrochemical Feedstock Use	Lubricants	Asphalt and Road Oil	Other Products <sup>c</sup>	Total Products	Total Crude Oil and Products	Daily Average		
								Crude Oil	Products	Total
<b>Arab OPEC</b> .....	<b>0</b>	<b>252</b>	<b>0</b>	<b>0</b>	<b>1,043</b>	<b>34,247</b>	<b>111,487</b>	<b>212</b>	<b>94</b>	<b>305</b>
Algeria .....	0	0	0	0	0	25,352	25,352	0	69	69
Iraq .....	0	0	0	0	0	0	4,935	14	0	14
Kuwait .....	0	0	0	0	0	1,279	1,579	1	4	4
Qatar .....	0	0	0	0	188	353	353	0	1	1
Saudi Arabia .....	0	227	0	0	600	4,795	74,340	191	13	204
United Arab Emirates .....	0	25	0	0	255	2,468	4,928	7	7	14
<b>Other OPEC</b> .....	<b>133</b>	<b>0</b>	<b>0</b>	<b>5,986</b>	<b>2,164</b>	<b>85,785</b>	<b>248,595</b>	<b>446</b>	<b>235</b>	<b>681</b>
Indonesia .....	0	0	0	0	0	2,130	2,130	0	6	6
Nigeria .....	1	0	0	0	0	8,004	119,668	306	22	328
Venezuela .....	132	0	0	5,986	2,164	75,651	126,797	140	207	347
<b>Non OPEC</b> .....	<b>1,232</b>	<b>200</b>	<b>2,184</b>	<b>2,568</b>	<b>2,993</b>	<b>414,017</b>	<b>699,528</b>	<b>782</b>	<b>1,134</b>	<b>1,917</b>
Angola .....	0	0	0	0	0	1,503	64,189	172	4	176
Argentina .....	0	0	0	0	0	10,842	15,779	14	30	43
Bahamas .....	0	0	0	0	0	3,981	3,981	0	11	11
Belgium .....	164	0	0	0	25	12,356	12,356	0	34	34
Brazil .....	23	0	0	0	853	21,727	21,727	0	60	60
Cameroon .....	0	0	0	0	0	753	2,008	3	2	6
Canada .....	199	0	1,131	2,152	330	103,618	146,912	119	284	402
China, People's Republic of .....	0	0	0	0	67	2,630	2,630	0	7	7
Colombia .....	0	0	0	0	0	7,344	16,115	24	20	44
Congo (Brazzaville) .....	0	0	0	0	0	2,197	14,075	33	6	39
Congo (Kinshasa) <sup>d</sup> .....	0	0	0	0	0	0	345	1	0	1
Denmark .....	0	0	0	0	0	1,273	1,273	0	3	3
Ecuador .....	0	0	0	0	0	401	10,994	29	1	30
Egypt .....	0	0	0	0	0	813	813	0	2	2
France .....	0	0	0	0	80	11,199	11,199	0	31	31
Gabon .....	0	0	0	0	0	0	47,220	129	0	129
Germany, FR .....	0	0	0	0	42	5,484	5,484	0	15	15
Greece .....	0	0	0	0	0	723	723	0	2	2
India .....	0	0	0	0	248	3,902	3,902	0	11	11
Ireland .....	53	0	0	0	0	389	389	0	1	1
Italy .....	0	0	0	0	0	11,368	11,368	0	31	31
Ivory Coast .....	0	0	0	0	0	0	1,014	3	0	3
Japan .....	0	0	0	0	9	9	9	0	(s)	(s)
Korea, Republic of .....	0	0	0	0	0	264	264	0	1	1
Malaysia .....	0	0	0	0	0	541	541	0	1	1
Mexico .....	0	0	0	202	0	1,504	15,346	38	4	42
Netherlands .....	0	0	0	0	759	10,054	10,054	0	28	28
Netherlands Antilles .....	0	0	0	98	0	13,839	13,839	0	38	38
Norway .....	105	0	0	0	0	8,976	62,126	146	25	170
Panama .....	0	0	0	0	0	344	344	0	1	1
Peru .....	0	0	0	0	0	735	735	0	2	2
Portugal .....	0	0	0	0	132	3,215	3,215	0	9	9
Puerto Rico .....	304	0	1,053	0	0	1,357	1,357	0	4	4
Romania .....	0	0	0	0	0	762	762	0	2	2
Russia .....	144	0	0	0	164	19,443	19,443	0	53	53
Singapore .....	0	0	0	0	0	947	947	0	3	3
Spain .....	0	0	0	116	0	9,044	9,044	0	25	25
Sweden .....	0	0	0	0	0	3,865	3,865	0	11	11
Thailand .....	0	0	0	0	0	21	21	0	(s)	(s)
Trinidad and Tobago .....	0	0	0	0	0	5,174	5,174	0	14	14
Tunisia .....	0	0	0	0	0	1,517	1,517	0	4	4
United Kingdom .....	145	0	0	0	39	21,200	47,726	73	58	131
Virgin Islands, U.S. ....	0	0	0	0	88	92,023	92,023	0	252	252
Other .....	95	200	0	0	157	16,680	16,680	0	46	46
<b>Total</b> .....	<b>1,365</b>	<b>452</b>	<b>2,184</b>	<b>8,554</b>	<b>6,200</b>	<b>534,049</b>	<b>1,059,610</b>	<b>1,440</b>	<b>1,463</b>	<b>2,903</b>
<b>Persian Gulf<sup>e</sup></b> .....	<b>0</b>	<b>252</b>	<b>0</b>	<b>0</b>	<b>1,043</b>	<b>9,066</b>	<b>86,306</b>	<b>212</b>	<b>25</b>	<b>236</b>

<sup>a</sup> 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.

<sup>b</sup> Includes crude oil imported for storage in the Strategic Petroleum Reserve.

<sup>c</sup> Includes aviation gasoline, aviation gasoline blending components, miscellaneous products, other hydrocarbons and oxygenates, pentanes plus, petroleum coke, and waxes.

<sup>d</sup> Formerly Zaire.

<sup>e</sup> Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.

(s) = Less than 500 barrels per day.

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 II—Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin,<sup>a</sup>  
January-December 2001  
(Thousand Barrels)**

Country of Origin	Crude Oil <sup>b</sup>	Liquefied Petroleum Gases	Unfinished Oils	Gasoline Blending Components	Finished Motor Gasoline	Jet Fuel	Distillate Fuel Oil	Residual Fuel Oil	Kerosene	Special Naphthas
<b>Arab OPEC</b> .....	<b>104,399</b>	<b>0</b>	<b>74</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Algeria .....	314	0	0	0	0	0	0	0	0	0
Iraq .....	28,106	0	0	0	0	0	0	0	0	0
Kuwait .....	5,825	0	0	0	0	0	0	0	0	0
Saudi Arabia .....	70,154	0	74	0	0	0	0	0	0	0
<b>Other OPEC</b> .....	<b>48,009</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Nigeria .....	32,130	0	0	0	0	0	0	0	0	0
Venezuela .....	15,879	0	0	0	0	0	0	0	0	0
<b>Non OPEC</b> .....	<b>385,670</b>	<b>34,405</b>	<b>262</b>	<b>349</b>	<b>819</b>	<b>0</b>	<b>1,748</b>	<b>1,017</b>	<b>0</b>	<b>518</b>
Angola .....	9,046	0	0	0	0	0	0	0	0	0
Brazil .....	1,208	0	0	0	0	0	0	0	0	0
Canada .....	341,774	34,405	262	349	819	0	1,748	1,017	0	518
Colombia .....	7,587	0	0	0	0	0	0	0	0	0
Ecuador .....	2,177	0	0	0	0	0	0	0	0	0
Mexico .....	6,222	0	0	0	0	0	0	0	0	0
Norway .....	5,242	0	0	0	0	0	0	0	0	0
United Kingdom .....	12,414	0	0	0	0	0	0	0	0	0
Other .....	0	0	0	0	0	0	0	0	0	0
<b>Total</b> .....	<b>538,078</b>	<b>34,405</b>	<b>336</b>	<b>349</b>	<b>819</b>	<b>0</b>	<b>1,748</b>	<b>1,017</b>	<b>0</b>	<b>518</b>
<b>Persian Gulf<sup>e</sup></b> .....	<b>104,085</b>	<b>0</b>	<b>74</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

See footnotes at end of table.

**Table 42. PAD District II—Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin,<sup>a</sup> January-December 2001 (Continued)**  
(Thousand Barrels)

Country of Origin	Naphtha for Petrochemical Feedstock Use	Other Oils for Petrochemical Feedstock Use	Lubricants	Asphalt and Road Oil	Other Products <sup>c</sup>	Total Products	Total Crude Oil and Products	Daily Average		
								Crude Oil	Products	Total
<b>Arab OPEC</b> .....	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>74</b>	<b>104,473</b>	<b>286</b>	<b>(s)</b>	<b>286</b>
Algeria .....	0	0	0	0	0	0	314	1	0	1
Iraq .....	0	0	0	0	0	0	28,106	77	0	77
Kuwait .....	0	0	0	0	0	0	5,825	16	0	16
Saudi Arabia .....	0	0	0	0	0	74	70,228	192	(s)	192
<b>Other OPEC</b> .....	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>48,009</b>	<b>132</b>	<b>0</b>	<b>132</b>
Nigeria .....	0	0	0	0	0	0	32,130	88	0	88
Venezuela .....	0	0	0	0	0	0	15,879	44	0	44
<b>Non OPEC</b> .....	<b>486</b>	<b>3</b>	<b>529</b>	<b>313</b>	<b>715</b>	<b>41,164</b>	<b>426,834</b>	<b>1,057</b>	<b>113</b>	<b>1,169</b>
Angola .....	0	0	0	0	0	0	9,046	25	0	25
Brazil .....	0	0	0	0	0	0	1,208	3	0	3
Canada .....	486	3	529	313	702	41,151	382,925	936	113	1,049
Colombia .....	0	0	0	0	0	0	7,587	21	0	21
Ecuador .....	0	0	0	0	0	0	2,177	6	0	6
Mexico .....	0	0	0	0	0	0	6,222	17	0	17
Norway .....	0	0	0	0	0	0	5,242	14	0	14
United Kingdom .....	0	0	0	0	0	0	12,414	34	0	34
Other .....	0	0	0	0	13	13	13	0	(s)	(s)
<b>Total</b> .....	<b>486</b>	<b>3</b>	<b>529</b>	<b>313</b>	<b>715</b>	<b>41,238</b>	<b>579,316</b>	<b>1,474</b>	<b>113</b>	<b>1,587</b>
<b>Persian Gulf<sup>e</sup></b> .....	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>74</b>	<b>104,159</b>	<b>285</b>	<b>(s)</b>	<b>285</b>

<sup>a</sup> 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.

<sup>b</sup> Includes crude oil imported for storage in the Strategic Petroleum Reserve.

<sup>c</sup> Includes aviation gasoline, aviation gasoline blending components, miscellaneous products, other hydrocarbons and oxygenates, pentanes plus, petroleum coke, and waxes.

<sup>d</sup> Formerly Zaire.

<sup>e</sup> Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.

(s) = Less than 500 barrels per day.

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 III—Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin,<sup>a</sup>  
January-December 2001  
(Thousand Barrels)**

Country of Origin	Crude Oil <sup>b</sup>	Liquefied Petroleum Gases	Unfinished Oils	Gasoline Blending Components	Finished Motor Gasoline	Jet Fuel	Distillate Fuel Oil	Residual Fuel Oil	Kerosene	Special Naphthas
<b>Arab OPEC</b>	<b>685,287</b>	<b>9,650</b>	<b>6,557</b>	<b>225</b>	<b>0</b>	<b>0</b>	<b>1,584</b>	<b>1,527</b>	<b>0</b>	<b>0</b>
Algeria	3,652	6,837	6,557	225	0	0	1,584	531	0	0
Iraq	198,066	0	0	0	0	0	0	0	0	0
Kuwait	78,682	464	0	0	0	0	0	0	0	0
Qatar	69	0	0	0	0	0	0	0	0	0
Saudi Arabia	404,818	2,349	0	0	0	0	0	996	0	0
United Arab Emirates	0	0	0	0	0	0	0	0	0	0
<b>Other OPEC</b>	<b>546,521</b>	<b>2,992</b>	<b>6,781</b>	<b>591</b>	<b>240</b>	<b>211</b>	<b>395</b>	<b>3,979</b>	<b>0</b>	<b>0</b>
Indonesia	0	0	0	0	0	0	104	0	0	0
Nigeria	152,344	2,754	487	0	0	0	0	3,355	0	0
Venezuela	394,177	238	6,294	591	240	211	291	624	0	0
<b>Non OPEC</b>	<b>710,857</b>	<b>4,910</b>	<b>52,284</b>	<b>10,358</b>	<b>1,369</b>	<b>0</b>	<b>7,091</b>	<b>24,880</b>	<b>0</b>	<b>1,262</b>
Angola	39,440	0	235	0	0	0	0	676	0	0
Argentina	3,261	0	896	0	13	0	330	152	0	0
Australia	0	0	0	0	0	0	0	0	0	0
Belgium	0	0	8,766	292	277	0	1,059	177	0	0
Brazil	3,459	0	325	162	0	0	360	411	0	200
Brunei	1,016	0	0	0	0	0	0	0	0	0
Cameroon	0	0	0	0	0	0	0	342	0	0
Canada	951	1,800	459	0	0	0	0	0	0	178
China, People's Republic of	0	0	0	783	0	0	0	0	0	55
Colombia	70,909	0	553	3,506	0	0	0	443	0	0
Congo (Brazzaville)	1,547	0	0	0	0	0	0	0	0	0
Denmark	0	0	389	0	0	0	0	0	0	0
Ecuador	4,381	0	0	0	0	0	0	186	0	0
Egypt	0	0	0	0	235	0	0	689	0	0
France	0	35	1,935	148	391	0	0	1,388	0	0
Gabon	3,317	0	0	0	0	0	0	0	0	0
Germany, FR	0	0	317	100	0	0	122	6,896	0	0
Greece	0	0	40	0	0	0	0	0	0	0
Guatemala	6,485	0	0	0	0	0	0	0	0	0
India	0	0	253	0	0	0	0	244	0	0
Ireland	0	0	196	0	0	0	0	427	0	0
Italy	0	0	1,241	288	0	0	352	0	0	181
Ivory Coast	503	0	350	0	0	0	204	0	0	0
Japan	0	0	0	0	0	0	0	0	0	0
Korea, Republic of	0	0	0	170	0	0	0	0	0	229
Malaysia	2,330	0	0	0	0	0	121	0	0	0
Mexico	465,278	0	340	1,590	0	0	101	0	0	0
Netherlands	0	0	1,510	39	451	0	134	1,984	0	113
Netherlands Antilles	0	0	11,316	308	0	0	543	318	0	0
Norway	39,008	2,189	4,752	0	0	0	0	0	0	0
Panama	0	0	0	52	0	0	0	0	0	0
Peru	0	0	451	519	0	0	0	0	0	0
Portugal	0	0	0	0	0	0	0	327	0	0
Puerto Rico	0	0	0	0	0	0	0	0	0	0
Russia	0	0	5,367	848	0	0	560	5,789	0	0
Spain	0	74	799	248	0	0	184	197	0	0
Sweden	0	133	2,998	0	0	0	0	1,364	0	0
Syria	0	0	688	0	0	0	0	222	0	0
Thailand	0	0	0	0	0	0	0	0	0	0
Trinidad and Tobago	18,562	0	880	229	0	0	321	0	0	0
Tunisia	0	0	0	0	0	0	163	0	0	0
Turkey	0	0	825	0	0	0	301	247	0	0
United Kingdom	43,630	679	4,205	2	0	0	547	1,961	0	0
Virgin Islands, U.S.	0	0	1,443	176	0	0	1,438	0	0	306
Other	6,780	0	755	898	2	0	251	440	0	0
<b>Total</b>	<b>1,942,665</b>	<b>17,552</b>	<b>65,622</b>	<b>11,174</b>	<b>1,609</b>	<b>211</b>	<b>9,070</b>	<b>30,386</b>	<b>0</b>	<b>1,262</b>
<b>Persian Gulf<sup>e</sup></b>	<b>681,635</b>	<b>2,813</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>996</b>	<b>0</b>	<b>0</b>

See footnotes at end of table.

**Table 43. PAD District III—Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin,<sup>a</sup> January-December 2001 (Continued)**  
(Thousand Barrels)

Country of Origin	Naphtha for Petrochemical Feedstock Use	Other Oils for Petrochemical Feedstock Use	Lubricants	Asphalt and Road Oil	Other Products <sup>c</sup>	Total Products	Total Crude Oil and Products	Daily Average		
								Crude Oil	Products	Total
<b>Arab OPEC</b> .....	<b>4,801</b>	<b>40,267</b>	<b>0</b>	<b>0</b>	<b>12,353</b>	<b>76,964</b>	<b>762,251</b>	<b>1,877</b>	<b>211</b>	<b>2,088</b>
Algeria .....	2,983	37,715	0	0	12,353	68,785	72,437	10	188	198
Iraq .....	0	0	0	0	0	0	198,066	543	0	543
Kuwait .....	0	0	0	0	0	464	79,146	216	1	217
Qatar .....	0	1,828	0	0	0	1,828	1,897	(s)	5	5
Saudi Arabia .....	1,105	0	0	0	0	4,450	409,268	1,109	12	1,121
United Arab Emirates .....	713	724	0	0	0	1,437	1,437	0	4	4
<b>Other OPEC</b> .....	<b>2,889</b>	<b>1,041</b>	<b>0</b>	<b>295</b>	<b>155</b>	<b>19,569</b>	<b>566,090</b>	<b>1,497</b>	<b>54</b>	<b>1,551</b>
Indonesia .....	0	314	0	0	10	428	428	0	1	1
Nigeria .....	271	0	0	0	145	7,012	159,356	417	19	437
Venezuela .....	2,618	727	0	295	0	12,129	406,306	1,080	33	1,113
<b>Non OPEC</b> .....	<b>22,940</b>	<b>9,986</b>	<b>102</b>	<b>164</b>	<b>1,292</b>	<b>136,638</b>	<b>847,495</b>	<b>1,948</b>	<b>374</b>	<b>2,322</b>
Angola .....	0	0	0	0	0	911	40,351	108	2	111
Argentina .....	1,615	0	0	0	0	3,006	6,267	9	8	17
Australia .....	0	1,946	0	0	0	1,946	1,946	0	5	5
Belgium .....	196	0	0	0	0	10,767	10,767	0	29	29
Brazil .....	82	0	0	0	61	1,601	5,060	9	4	14
Brunei .....	0	0	0	0	0	0	1,016	3	0	3
Cameroon .....	0	0	0	0	0	342	342	0	1	1
Canada .....	594	923	0	164	0	4,118	5,069	3	11	14
China, People's Republic of .....	0	0	0	0	0	838	838	0	2	2
Colombia .....	160	0	0	0	0	4,662	75,571	194	13	207
Congo (Brazzaville) .....	0	0	0	0	0	0	1,547	4	0	4
Denmark .....	0	0	0	0	0	389	389	0	1	1
Ecuador .....	301	0	0	0	0	487	4,868	12	1	13
Egypt .....	594	0	0	0	0	1,518	1,518	0	4	4
France .....	280	399	0	0	0	4,576	4,576	0	13	13
Gabon .....	0	0	0	0	0	0	3,317	9	0	9
Germany, FR .....	0	0	0	0	0	7,435	7,435	0	20	20
Greece .....	515	0	0	0	0	555	555	0	2	2
Guatemala .....	0	0	0	0	0	0	6,485	18	0	18
India .....	0	0	0	0	0	497	497	0	1	1
Ireland .....	0	0	0	0	0	623	623	0	2	2
Italy .....	0	273	0	0	10	2,345	2,345	0	6	6
Ivory Coast .....	0	0	0	0	0	554	1,057	1	2	3
Japan .....	0	0	0	0	40	40	40	0	(s)	(s)
Korea, Republic of .....	0	0	81	0	0	480	480	0	1	1
Malaysia .....	0	0	0	0	0	121	2,451	6	(s)	7
Mexico .....	10,688	0	0	0	999	13,718	478,996	1,275	38	1,312
Netherlands .....	381	0	0	0	67	4,679	4,679	0	13	13
Netherlands Antilles .....	1,539	0	0	0	19	14,043	14,043	0	38	38
Norway .....	1,751	4,150	0	0	0	12,842	51,850	107	35	142
Panama .....	0	0	0	0	0	52	52	0	(s)	(s)
Peru .....	596	0	0	0	0	1,566	1,566	0	4	4
Portugal .....	0	0	0	0	0	327	327	0	1	1
Puerto Rico .....	70	0	0	0	0	70	70	0	(s)	(s)
Russia .....	230	0	0	0	0	12,794	12,794	0	35	35
Spain .....	268	96	0	0	0	1,866	1,866	0	5	5
Sweden .....	0	0	0	0	0	4,495	4,495	0	12	12
Syria .....	313	0	0	0	0	1,223	1,223	0	3	3
Thailand .....	0	0	0	0	6	6	6	0	(s)	(s)
Trinidad and Tobago .....	402	0	0	0	0	1,832	20,394	51	5	56
Tunisia .....	0	0	0	0	0	163	163	0	(s)	(s)
Turkey .....	200	0	0	0	65	1,638	1,638	0	4	4
United Kingdom .....	0	0	21	0	1	7,416	51,046	120	20	140
Virgin Islands, U.S. ....	0	0	0	0	0	3,363	3,363	0	9	9
Other .....	2,165	2,199	0	0	24	6,734	13,514	19	18	37
<b>Total</b> .....	<b>30,630</b>	<b>51,294</b>	<b>102</b>	<b>459</b>	<b>13,800</b>	<b>233,171</b>	<b>2,175,836</b>	<b>5,322</b>	<b>639</b>	<b>5,961</b>
<b>Persian Gulf<sup>e</sup></b> .....	<b>1,818</b>	<b>2,552</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>8,179</b>	<b>689,814</b>	<b>1,867</b>	<b>22</b>	<b>1,890</b>

<sup>a</sup> 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.

<sup>b</sup> Includes crude oil imported for storage in the Strategic Petroleum Reserve.

<sup>c</sup> Includes aviation gasoline, aviation gasoline blending components, miscellaneous products, other hydrocarbons and oxygenates, pentanes plus, petroleum coke, and waxes.

<sup>d</sup> Formerly Zaire.

<sup>e</sup> Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.

(s) = Less than 500 barrels per day.

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 Districts IV and V—Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin,<sup>a</sup> January-December 2001**  
(Thousand Barrels)

Country of Origin	Crude Oil <sup>b</sup>	Liquefied Petroleum Gases	Unfinished Oils	Gasoline Blending Components	Finished Motor Gasoline	Jet Fuel	Distillate Fuel Oil	Residual Fuel Oil	Kerosene	Special Naphtas
<b>PAD District IV</b>										
<b>Non OPEC</b> .....	<b>69,272</b>	<b>3,530</b>	<b>0</b>	<b>0</b>	<b>119</b>	<b>11</b>	<b>2,059</b>	<b>3</b>	<b>0</b>	<b>0</b>
Canada .....	69,272	3,530	0	0	119	11	2,059	3	0	0
<b>Total</b> .....	<b>69,272</b>	<b>3,530</b>	<b>0</b>	<b>0</b>	<b>119</b>	<b>11</b>	<b>2,059</b>	<b>3</b>	<b>0</b>	<b>0</b>
<b>PAD District V</b>										
<b>Arab OPEC</b> .....	<b>101,474</b>	<b>0</b>	<b>2,238</b>	<b>312</b>	<b>328</b>	<b>3,144</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Algeria .....	0	0	2,238	0	0	0	0	0	0	0
Iraq .....	52,723	0	0	0	0	0	0	0	0	0
Kuwait .....	149	0	0	0	0	1,830	0	0	0	0
Qatar .....	0	0	0	0	0	0	0	0	0	0
Saudi Arabia .....	43,260	0	0	312	6	455	0	0	0	0
United Arab Emirates .....	5,342	0	0	0	322	859	0	0	0	0
<b>Other OPEC</b> .....	<b>21,535</b>	<b>0</b>	<b>1,102</b>	<b>0</b>	<b>0</b>	<b>3,148</b>	<b>0</b>	<b>653</b>	<b>0</b>	<b>0</b>
Indonesia .....	14,686	0	390	0	0	0	0	653	0	0
Nigeria .....	462	0	0	0	0	0	0	0	0	0
Venezuela .....	6,387	0	712	0	0	3,148	0	0	0	0
<b>Non OPEC</b> .....	<b>139,765</b>	<b>2,539</b>	<b>8,109</b>	<b>4,036</b>	<b>8,549</b>	<b>21,084</b>	<b>4,451</b>	<b>2,905</b>	<b>25</b>	<b>399</b>
Angola .....	3,397	0	0	0	0	0	0	0	0	0
Argentina .....	11,962	0	0	125	0	0	0	0	0	0
Australia .....	13,017	0	0	0	281	523	184	0	0	0
Belgium .....	0	0	0	0	18	0	0	0	0	0
Brazil .....	0	0	0	0	0	0	0	0	0	0
Brunei .....	6,408	0	0	0	0	0	0	0	0	0
Canada .....	26,603	2,539	357	1,210	966	24	669	781	0	5
China, People's Republic of .....	4,684	0	0	0	0	223	0	0	0	0
Colombia .....	1,988	0	0	0	0	1,046	0	0	0	0
Congo (Brazzaville) .....	399	0	0	0	0	0	0	0	0	0
Ecuador .....	22,126	0	0	0	0	0	0	704	0	159
Egypt .....	0	0	0	0	221	0	0	0	0	0
Germany, FR .....	0	0	726	110	0	0	0	0	0	0
India .....	0	0	0	0	0	653	0	0	0	0
Italy .....	0	0	0	173	14	0	0	0	0	0
Japan .....	0	0	0	43	203	2,519	0	171	0	0
Korea, Republic of .....	0	0	0	859	2,675	10,741	1,382	0	0	235
Malaysia .....	3,195	0	3,053	0	0	1,321	1,488	0	25	0
Mexico .....	17,958	0	0	0	0	873	0	0	0	0
Netherlands .....	0	0	0	0	435	0	0	0	0	0
Netherlands Antilles .....	0	0	0	0	376	34	0	0	0	0
Norway .....	37	0	0	0	0	0	0	0	0	0
Oman .....	5,920	0	0	0	0	0	0	0	0	0
Panama .....	0	0	0	0	0	0	0	290	0	0
Peru .....	2,524	0	330	0	0	0	0	959	0	0
Portugal .....	0	0	0	243	38	0	0	0	0	0
Russia .....	0	0	372	0	99	0	0	0	0	0
Singapore .....	0	0	1,837	995	1,029	1,187	164	0	0	0
Spain .....	0	0	0	0	4	0	0	0	0	0
Thailand .....	1,751	0	0	0	0	892	0	0	0	0
Trinidad and Tobago .....	0	0	323	0	0	0	0	0	0	0
United Kingdom .....	0	0	0	0	334	0	0	0	0	0
Virgin Islands, U.S. .....	0	0	733	0	747	0	36	0	0	0
Yemen .....	8,702	0	0	0	0	485	0	0	0	0
Other .....	9,094	0	378	278	1,109	563	528	0	0	0
<b>Total</b> .....	<b>262,774</b>	<b>2,539</b>	<b>11,449</b>	<b>4,348</b>	<b>8,877</b>	<b>27,376</b>	<b>4,451</b>	<b>3,558</b>	<b>25</b>	<b>399</b>
<b>Persian Gulf<sup>e</sup></b> .....	<b>101,474</b>	<b>0</b>	<b>0</b>	<b>312</b>	<b>328</b>	<b>3,144</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

See footnotes at end of table.

**Table 44. PAD Districts IV and V—Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin,<sup>a</sup> January-December 2001 (Continued)**  
(Thousand Barrels)

Country of Origin	Naphtha for Petrochemical Feedstock Use	Other Oils for Petrochemical Feedstock Use	Lubricants	Asphalt and Road Oil	Other Products <sup>c</sup>	Total Products	Total Crude Oil and Products	Daily Average		
								Crude Oil	Products	Total
<b>PAD District IV</b>										
<b>Non OPEC</b> .....	<b>0</b>	<b>0</b>	<b>0</b>	<b>248</b>	<b>1,486</b>	<b>7,456</b>	<b>76,728</b>	<b>190</b>	<b>20</b>	<b>210</b>
Canada .....	0	0	0	248	1,486	7,456	76,728	190	20	210
<b>Total</b> .....	<b>0</b>	<b>0</b>	<b>0</b>	<b>248</b>	<b>1,486</b>	<b>7,456</b>	<b>76,728</b>	<b>190</b>	<b>20</b>	<b>210</b>
<b>PAD District V</b>										
<b>Arab OPEC</b> .....	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>11,378</b>	<b>17,400</b>	<b>118,874</b>	<b>278</b>	<b>48</b>	<b>326</b>
Algeria .....	0	0	0	0	0	2,238	2,238	0	6	6
Iraq .....	0	0	0	0	0	0	52,723	144	0	144
Kuwait .....	0	0	0	0	0	1,830	1,979	(s)	5	5
Qatar .....	0	0	0	0	2,644	2,644	2,644	0	7	7
Saudi Arabia .....	0	0	0	0	6,904	7,677	50,937	119	21	140
United Arab Emirates .....	0	0	0	0	1,830	3,011	8,353	15	8	23
<b>Other OPEC</b> .....	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2,083</b>	<b>6,986</b>	<b>28,521</b>	<b>59</b>	<b>19</b>	<b>78</b>
Indonesia .....	0	0	0	0	0	1,043	15,729	40	3	43
Nigeria .....	0	0	0	0	0	0	462	1	0	1
Venezuela .....	0	0	0	0	2,083	5,943	12,330	17	16	34
<b>Non OPEC</b> .....	<b>508</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>9,670</b>	<b>62,275</b>	<b>202,040</b>	<b>383</b>	<b>171</b>	<b>554</b>
Angola .....	0	0	0	0	0	0	3,397	9	0	9
Argentina .....	0	0	0	0	0	125	12,087	33	(s)	33
Australia .....	0	0	0	0	0	988	14,005	36	3	38
Belgium .....	0	0	0	0	0	18	18	0	(s)	(s)
Brazil .....	0	0	0	0	62	62	62	0	(s)	(s)
Brunei .....	0	0	0	0	0	0	6,408	18	0	18
Canada .....	0	0	0	0	6,946	13,497	40,100	73	37	110
China, People's Republic of .....	0	0	0	0	205	428	5,112	13	1	14
Colombia .....	0	0	0	0	0	1,046	3,034	5	3	8
Congo (Brazzaville) .....	0	0	0	0	0	0	399	1	0	1
Ecuador .....	0	0	0	0	0	863	22,989	61	2	63
Egypt .....	0	0	0	0	0	221	221	0	1	1
Germany, FR .....	0	0	0	0	0	836	836	0	2	2
India .....	0	0	0	0	0	653	653	0	2	2
Italy .....	0	0	0	0	0	187	187	0	1	1
Japan .....	0	0	0	0	7	2,943	2,943	0	8	8
Korea, Republic of .....	428	0	0	0	555	16,875	16,875	0	46	46
Malaysia .....	0	0	0	0	1,158	7,045	10,240	9	19	28
Mexico .....	0	0	0	0	0	873	18,831	49	2	52
Netherlands .....	0	0	0	0	245	680	680	0	2	2
Netherlands Antilles .....	0	0	0	0	0	410	410	0	1	1
Norway .....	0	0	0	0	0	0	37	(s)	0	(s)
Oman .....	0	0	0	0	0	0	5,920	16	0	16
Panama .....	0	0	0	0	0	290	290	0	1	1
Peru .....	0	0	0	0	0	1,289	3,813	7	4	10
Portugal .....	0	0	0	0	0	281	281	0	1	1
Russia .....	0	0	0	0	0	471	471	0	1	1
Singapore .....	80	0	0	0	123	5,415	5,415	0	15	15
Spain .....	0	0	0	0	0	4	4	0	(s)	(s)
Thailand .....	0	0	0	0	41	933	2,684	5	3	7
Trinidad and Tobago .....	0	0	0	0	0	323	323	0	1	1
United Kingdom .....	0	0	0	0	0	334	334	0	1	1
Virgin Islands, U.S. ....	0	0	0	0	0	1,516	1,516	0	4	4
Yemen .....	0	0	0	0	0	485	9,187	24	1	25
Other .....	0	0	0	0	328	3,184	12,278	25	9	34
<b>Total</b> .....	<b>508</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>23,131</b>	<b>86,661</b>	<b>349,435</b>	<b>720</b>	<b>237</b>	<b>957</b>
<b>Persian Gulf<sup>e</sup></b> .....	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>11,378</b>	<b>15,162</b>	<b>116,636</b>	<b>278</b>	<b>42</b>	<b>320</b>

<sup>a</sup> 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.

<sup>b</sup> Includes crude oil imported for storage in the Strategic Petroleum Reserve.

<sup>c</sup> Includes aviation gasoline, aviation gasoline blending components, miscellaneous products, other hydrocarbons and oxygenates, pentanes plus, petroleum coke, and waxes.

<sup>d</sup> Formerly Zaire.

<sup>e</sup> Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.

(s) = Less than 500 barrels per day.

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. Exports of Crude Oil and Petroleum Products by PAD District,  
December 2001  
(Thousand Barrels)**

Commodity	Petroleum Administration for Defense Districts						Daily Average
	I	II	III	IV	V	U.S. Total	
<b>Crude Oil<sup>a</sup></b> .....	<b>(s)</b>	<b>375</b>	<b>0</b>	<b>5</b>	<b>0</b>	<b>380</b>	<b>12</b>
<b>Natural Gas Liquids</b> .....	<b>20</b>	<b>84</b>	<b>997</b>	<b>50</b>	<b>214</b>	<b>1,366</b>	<b>44</b>
Pentanes Plus .....	1	18	0	0	0	19	1
Liquefied Petroleum Gases .....	20	66	997	50	214	1,347	43
Ethane/Ethylene .....	0	0	0	0	0	0	0
Propane/Propylene .....	16	41	822	(s)	210	1,089	35
Normal Butane/Butylene .....	4	25	175	50	4	258	8
Isobutane/Isobutylene .....	0	0	0	0	0	0	0
<b>Other Liquids</b> .....	<b>20</b>	<b>33</b>	<b>775</b>	<b>0</b>	<b>67</b>	<b>894</b>	<b>29</b>
Other Hydrocarbons/Oxygenates .....	20	33	526	0	66	645	21
Motor Gasoline Blend. Comp. ....	(s)	0	248	0	1	249	8
<b>Finished Petroleum Products</b> .....	<b>499</b>	<b>227</b>	<b>21,904</b>	<b>18</b>	<b>7,301</b>	<b>29,950</b>	<b>966</b>
Finished Motor Gasoline .....	87	4	4,966	0	1,129	6,186	200
Naphtha-Type Jet Fuel .....	(s)	0	154	0	0	154	5
Kerosene-Type Jet Fuel .....	170	0	1,153	0	103	1,426	46
Kerosene .....	8	0	1	0	7	16	1
Distillate Fuel Oil .....	49	8	4,124	0	2,078	6,260	202
Residual Fuel Oil .....	15	0	4,072	0	1,278	5,365	173
Special Naphthas .....	4	7	67	(s)	481	559	18
Lubricants .....	86	64	689	15	68	922	30
Waxes .....	29	30	23	0	15	97	3
Petroleum Coke .....	45	104	6,623	1	2,105	8,878	286
Asphalt and Road Oil .....	1	11	32	2	35	81	3
Miscellaneous Products .....	3	(s)	(s)	0	2	6	(s)
<b>Total</b> .....	<b>540</b>	<b>720</b>	<b>23,676</b>	<b>73</b>	<b>7,582</b>	<b>32,591</b>	<b>1,051</b>

<sup>a</sup> Crude oil exports are restricted to: (1) crude oil derived from fields under the State waters of Alaska's Cook Inlet; (2) Alaskan North Slope crude oil; (3) certain domestically produced crude oil destined for Canada; (4) shipments to U.S. territories; and (5) California crude oil to Pacific Rim countries.

(s) = Less than 500 barrels or less than 500 barrels per day.

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

Sources: Energy Information Administration (EIA) Form EIA-810, "Monthly Refinery Report" and the U.S. Bureau of the Census.

**Table 46. Year-to-Date Exports of Crude Oil and Petroleum Products by PAD District, January-December 2001**  
(Thousand Barrels)

Commodity	Petroleum Administration for Defense Districts						U.S. Total	Daily Average
	I	II	III	IV	V			
<b>Crude Oil<sup>a</sup></b> .....	<b>1,766</b>	<b>6,632</b>	<b>5</b>	<b>25</b>	<b>22</b>	<b>8,449</b>	<b>23</b>	
<b>Natural Gas Liquids</b> .....	<b>590</b>	<b>2,807</b>	<b>10,310</b>	<b>359</b>	<b>2,426</b>	<b>16,492</b>	<b>45</b>	
Pentanes Plus .....	12	300	2	92	157	564	2	
Liquefied Petroleum Gases .....	578	2,507	10,309	266	2,269	15,928	44	
Ethane/Ethylene .....	0	0	0	0	0	0	0	
Propane/Propylene .....	344	954	7,872	63	2,162	11,395	31	
Normal Butane/Butylene .....	233	1,553	2,437	204	107	4,533	12	
Isobutane/Isobutylene .....	0	0	0	0	0	0	0	
<b>Other Liquids</b> .....	<b>2,103</b>	<b>536</b>	<b>10,072</b>	<b>13</b>	<b>799</b>	<b>13,523</b>	<b>37</b>	
Other Hydrocarbons/Oxygenates .....	1,489	247	7,265	13	791	9,804	27	
Motor Gasoline Blend. Comp. ....	613	289	2,807	0	9	3,718	10	
<b>Finished Petroleum Products</b> .....	<b>14,990</b>	<b>4,376</b>	<b>212,861</b>	<b>207</b>	<b>87,454</b>	<b>319,888</b>	<b>876</b>	
Finished Motor Gasoline .....	2,608	103	39,571	1	6,204	48,485	133	
Naphtha-Type Jet Fuel .....	62	14	155	0	1	231	1	
Kerosene-Type Jet Fuel .....	978	402	6,211	(s)	2,905	10,496	29	
Kerosene .....	67	1	576	1	122	768	2	
Distillate Fuel Oil .....	2,998	537	28,656	0	26,424	58,616	161	
Residual Fuel Oil .....	1,868	323	47,456	0	7,928	57,575	158	
Special Naphthas .....	422	143	1,234	8	6,603	8,410	23	
Lubricants .....	1,485	890	5,974	169	813	9,331	26	
Waxes .....	378	217	500	(s)	217	1,313	4	
Petroleum Coke .....	3,818	1,109	82,156	11	35,652	122,746	336	
Asphalt and Road Oil .....	251	637	365	17	559	1,829	5	
Miscellaneous Products .....	53	1	8	(s)	26	88	(s)	
<b>Total</b> .....	<b>19,448</b>	<b>14,351</b>	<b>233,249</b>	<b>603</b>	<b>90,701</b>	<b>358,352</b>	<b>982</b>	

<sup>a</sup> Crude oil exports are restricted to: (1) crude oil derived from fields under the State waters of Alaska's Cook Inlet; (2) Alaskan North Slope crude oil; (3) certain domestically produced crude oil destined for Canada; (4) shipments to U.S. territories; and (5) California crude oil to Pacific Rim countries.

(s) = Less than 500 barrels or less than 500 barrels per day.

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

Sources: Energy Information Administration (EIA) Form EIA-810, "Monthly Refinery Report" and the U.S. Bureau of the Census.

**Table 47. Exports of Crude Oil and Petroleum Products by Destination, December 2001**  
(Thousand Barrels)

Destination	Crude Oil <sup>a</sup>	Pentanes Plus	Liquefied Petroleum Gases	Finished Motor Gasoline	Jet Fuel	Kerosene	Distillate Fuel Oil	Residual Fuel Oil
Argentina .....	0	0	0	0	0	0	0	(s)
Australia .....	0	0	(s)	279	0	0	1	0
Bahamas .....	0	0	6	2	1	0	29	200
Belgium & Luxembourg .....	0	0	(s)	2	0	0	2	0
Brazil .....	0	0	0	0	0	0	0	0
Cameroon .....	0	0	0	0	0	0	0	0
Canada .....	380	19	130	141	272	0	137	206
Chile .....	0	0	0	0	0	0	3	0
China, People's Republic of .....	0	0	0	0	0	0	(s)	(s)
China, Taiwan .....	0	0	0	0	0	0	3	0
Colombia .....	0	0	0	0	0	0	(s)	(s)
Costa Rica .....	0	0	1	0	0	0	139	0
Denmark .....	0	0	0	0	0	0	(s)	0
Dominican Republic .....	0	0	42	(s)	0	0	0	0
Ecuador .....	0	0	0	0	0	0	219	0
Egypt .....	0	0	0	0	0	0	0	0
El Salvador .....	0	0	29	0	0	0	50	226
Finland .....	0	0	0	0	350	0	75	0
France .....	0	0	50	0	0	0	516	0
French Pacific Islands .....	0	0	0	0	0	0	0	0
Germany, FR .....	0	0	0	(s)	0	0	(s)	(s)
Ghana .....	0	0	0	0	0	0	0	0
Greece .....	0	0	0	0	0	0	1	0
Guatemala .....	0	0	19	30	0	0	0	0
Guinea .....	0	0	0	0	(s)	0	0	0
Honduras .....	0	0	54	1	0	0	3	0
Hong Kong .....	0	0	0	0	0	0	(s)	335
India .....	0	0	0	0	0	0	14	0
Indonesia .....	0	0	0	0	0	0	2	0
Ireland .....	0	0	0	0	0	0	0	0
Israel .....	0	0	(s)	0	238	0	1	(s)
Italy .....	0	0	103	0	0	(s)	0	326
Jamaica .....	0	0	0	105	0	0	50	228
Japan .....	0	0	103	0	0	0	(s)	105
Korea, Republic of .....	0	0	0	1	0	0	4	0
Malaysia .....	0	0	0	0	0	0	0	0
Mexico .....	0	0	742	5,208	196	8	1,228	389
Netherlands .....	0	0	0	0	259	0	1,045	1,610
Netherlands Antilles .....	0	0	0	0	264	0	120	0
New Zealand .....	0	0	0	0	0	0	0	0
Nigeria .....	0	0	0	0	0	0	0	0
Norway .....	0	0	0	0	0	0	0	0
Panama .....	0	0	1	0	0	0	136	310
Peru .....	0	0	0	0	0	0	0	0
Philippines .....	0	0	0	0	0	0	(s)	(s)
Poland .....	0	0	0	0	0	0	0	0
Portugal .....	0	0	0	0	0	0	0	0
Puerto Rico .....	0	(s)	0	0	(s)	0	2	0
Russia .....	0	0	0	0	0	0	0	0
Saudi Arabia .....	0	0	0	0	0	0	0	0
Singapore .....	0	0	0	415	0	0	856	863
South Africa .....	0	0	0	0	0	0	0	0
Spain .....	0	0	0	0	0	0	20	560
Suriname .....	0	0	0	0	0	0	0	0
Sweden .....	0	0	0	0	0	0	964	0
Switzerland .....	0	0	0	0	0	0	0	0
Thailand .....	0	0	1	0	0	0	0	0
Trinidad and Tobago .....	0	0	0	0	0	0	0	0
Turkey .....	0	0	0	0	0	0	(s)	0
United Arab Emirates .....	0	0	0	0	0	0	0	0
United Kingdom .....	0	0	1	1	0	0	632	0
Uruguay .....	0	0	0	0	0	0	0	0
Venezuela .....	0	0	(s)	0	0	0	3	0
Virgin Islands, U.S. ....	0	0	0	0	0	0	0	0
Yugoslavia .....	0	0	0	0	0	0	0	0
Other .....	0	0	65	(s)	0	8	3	4
<b>Total .....</b>	<b>380</b>	<b>19</b>	<b>1,347</b>	<b>6,186</b>	<b>1,580</b>	<b>16</b>	<b>6,260</b>	<b>5,365</b>

See footnotes at end of table.

**Table 47. Exports of Crude Oil and Petroleum Products by Destination, December 2001 (Continued)**  
(Thousand Barrels)

Destination	Special Naphthas	Lubricants	Waxes	Petroleum Coke	Asphalt and Road Oil	Other Products <sup>b</sup>	Crude Oil and Products	
							Total	Daily Average
Argentina .....	1	2	0	0	0	0	4	(s)
Australia .....	1	3	(s)	198	(s)	(s)	484	16
Bahamas .....	0	1	0	0	(s)	0	239	8
Belgium & Luxembourg .....	(s)	2	2	803	1	20	833	27
Brazil .....	2	6	(s)	575	(s)	(s)	584	19
Cameroon .....	0	(s)	0	0	0	0	(s)	(s)
Canada .....	13	123	58	297	15	6	1,798	58
Chile .....	(s)	13	(s)	(s)	(s)	0	17	1
China, People's Republic of .....	4	5	(s)	331	(s)	1	342	11
China, Taiwan .....	213	7	1	0	(s)	(s)	225	7
Colombia .....	2	2	(s)	(s)	1	(s)	7	(s)
Costa Rica .....	1	8	(s)	0	0	22	170	5
Denmark .....	0	(s)	0	0	0	0	(s)	(s)
Dominican Republic .....	(s)	22	(s)	0	0	0	64	2
Ecuador .....	0	6	0	0	0	0	225	7
Egypt .....	0	1	0	0	(s)	0	2	(s)
El Salvador .....	0	7	0	0	0	0	312	10
Finland .....	0	1	0	0	0	0	426	14
France .....	0	1	(s)	321	1	0	889	29
French Pacific Islands .....	0	(s)	0	0	0	0	(s)	(s)
Germany, FR .....	(s)	1	1	107	6	(s)	117	4
Ghana .....	0	(s)	0	0	0	0	(s)	(s)
Greece .....	0	1	0	314	0	0	315	10
Guatemala .....	(s)	6	(s)	0	0	16	72	2
Guinea .....	0	1	0	0	0	0	1	(s)
Honduras .....	(s)	8	(s)	0	0	0	66	2
Hong Kong .....	(s)	5	2	0	(s)	(s)	342	11
India .....	0	121	1	35	3	(s)	173	6
Indonesia .....	(s)	1	(s)	0	0	0	3	(s)
Ireland .....	0	(s)	(s)	0	0	(s)	1	(s)
Israel .....	(s)	7	0	333	0	8	587	19
Italy .....	0	(s)	(s)	759	(s)	0	1,189	38
Jamaica .....	6	5	(s)	0	0	44	438	14
Japan .....	(s)	34	3	377	2	42	666	21
Korea, Republic of .....	262	4	1	217	(s)	1	490	16
Malaysia .....	0	1	(s)	0	0	0	2	(s)
Mexico .....	47	255	23	695	23	475	9,288	300
Netherlands .....	(s)	9	(s)	661	1	9	3,593	116
Netherlands Antilles .....	0	180	0	0	2	0	567	18
New Zealand .....	1	1	(s)	105	0	0	106	3
Nigeria .....	0	2	0	0	0	0	2	(s)
Norway .....	0	(s)	(s)	74	0	0	74	2
Panama .....	(s)	2	0	0	(s)	(s)	449	14
Peru .....	0	2	(s)	0	0	0	2	(s)
Philippines .....	0	2	(s)	(s)	0	2	4	(s)
Poland .....	0	(s)	0	0	0	0	(s)	(s)
Portugal .....	0	(s)	0	0	0	0	(s)	(s)
Puerto Rico .....	1	9	1	0	0	(s)	13	(s)
Russia .....	0	1	1	0	0	0	1	(s)
Saudi Arabia .....	1	1	(s)	0	0	0	2	(s)
Singapore .....	(s)	12	(s)	26	0	31	2,203	71
South Africa .....	(s)	1	(s)	69	0	0	70	2
Spain .....	0	(s)	0	1,737	1	0	2,318	75
Suriname .....	0	1	0	0	0	0	1	(s)
Sweden .....	0	1	(s)	0	0	(s)	965	31
Switzerland .....	0	(s)	0	0	0	0	(s)	(s)
Thailand .....	0	1	(s)	0	(s)	1	4	(s)
Trinidad and Tobago .....	0	2	(s)	0	0	0	2	(s)
Turkey .....	0	1	0	221	(s)	0	222	7
United Arab Emirates .....	0	2	0	78	0	0	81	3
United Kingdom .....	0	1	(s)	74	1	0	710	23
Uruguay .....	0	(s)	0	(s)	0	0	(s)	(s)
Venezuela .....	(s)	12	(s)	112	(s)	221	348	11
Virgin Islands, U.S. ....	0	(s)	0	0	7	0	8	(s)
Yugoslavia .....	0	0	0	83	0	0	83	3
Other .....	1	19	0	276	15	(s)	392	13
<b>Total .....</b>	<b>559</b>	<b>922</b>	<b>97</b>	<b>8,878</b>	<b>81</b>	<b>900</b>	<b>32,591</b>	<b>1,051</b>

<sup>a</sup> Crude oil exports are restricted to: (1) crude oil derived from fields under the State waters of Alaska's Cook Inlet; (2) Alaskan North Slope crude oil; (3) certain domestically produced crude oil destined for Canada; (4) shipments to U.S. territories; and (5) California crude oil to Pacific Rim countries.

<sup>b</sup> Includes miscellaneous products, motor gasoline blending components, and other hydrocarbons and oxygenates.

(s) = Less than 500 barrels or less than 500 barrels per day.

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

Sources: Energy Information Administration (EIA) Form EIA-810, "Monthly Refinery Report" and the U.S. Bureau of the Census.

**Table 48. Year-to-Date Exports of Crude Oil and Petroleum Products by Destination,  
January-December 2001  
(Thousand Barrels)**

Destination	Crude Oil <sup>a</sup>	Pentanes Plus	Liquefied Petroleum Gases	Finished Motor Gasoline	Jet Fuel	Kerosene	Distillate Fuel Oil	Residual Fuel Oil
Argentina .....	0	0	1	(s)	0	1	9	6
Australia .....	0	0	119	285	0	0	7	(s)
Bahamas .....	0	0	96	133	47	(s)	790	1,767
Bahrain .....	0	0	0	0	0	0	2	0
Belgium & Luxembourg .....	0	0	6	3	0	0	301	18
Brazil .....	0	0	901	(s)	1	1	745	1
Cameroon .....	0	0	0	(s)	0	5	0	0
Canada .....	8,437	561	3,509	3,441	4,211	8	4,454	5,161
Chile .....	0	0	2	1	0	0	928	0
China, People's Republic of .....	0	0	(s)	711	0	0	231	528
China, Taiwan .....	0	1	1	(s)	0	0	443	14
Colombia .....	0	0	0	0	0	(s)	2	4
Costa Rica .....	0	0	65	245	0	0	475	694
Denmark .....	0	0	0	(s)	0	0	(s)	0
Dominican Republic .....	0	0	93	83	(s)	150	893	1,327
Ecuador .....	0	0	0	493	0	1	1,231	22
Egypt .....	0	0	0	0	0	0	0	0
El Salvador .....	0	0	145	0	(s)	0	300	321
Finland .....	0	0	0	(s)	350	3	1,084	0
France .....	0	0	50	(s)	0	1	522	(s)
French Pacific Islands .....	0	0	0	0	0	0	(s)	0
Germany, FR .....	0	0	3	1	(s)	0	4	1
Ghana .....	0	0	0	0	0	0	0	0
Greece .....	0	0	1	0	0	0	2	(s)
Guatemala .....	0	0	473	1,422	12	0	1,200	12
Guinea .....	0	0	0	0	1	0	(s)	0
Honduras .....	0	0	432	26	0	0	145	201
Hong Kong .....	0	0	(s)	1	0	0	16	336
India .....	0	0	3	0	0	0	52	1
Indonesia .....	0	0	188	0	0	(s)	17	0
Ireland .....	0	0	0	(s)	(s)	0	2	0
Israel .....	0	0	1	250	2,400	3	519	1
Italy .....	0	0	141	0	0	(s)	242	326
Jamaica .....	0	0	0	107	66	0	53	8,330
Japan .....	8	0	108	3	(s)	0	137	528
Korea, Republic of .....	(s)	0	(s)	3	(s)	3	582	256
Malaysia .....	0	0	(s)	0	0	0	409	0
Mexico .....	4	1	9,362	39,207	890	119	19,890	11,695
Netherlands .....	0	0	(s)	252	1,385	230	3,596	3,772
Netherlands Antilles .....	0	0	0	218	444	103	1,619	4,004
New Zealand .....	0	0	(s)	285	0	0	3	0
Nigeria .....	0	0	(s)	0	0	0	(s)	0
Norway .....	0	0	2	0	0	0	(s)	0
Panama .....	0	0	1	418	0	55	1,694	4,106
Peru .....	0	0	100	0	0	(s)	1,192	0
Philippines .....	0	0	(s)	0	0	0	6	(s)
Poland .....	0	0	0	0	0	0	(s)	0
Portugal .....	0	0	0	0	0	0	0	0
Puerto Rico .....	0	1	3	327	2	0	168	1
Russia .....	0	0	(s)	0	0	(s)	9	31
Saudi Arabia .....	0	(s)	(s)	0	7	0	6	0
Singapore .....	0	0	2	415	0	0	10,771	10,933
South Africa .....	0	0	(s)	0	0	0	2	0
Spain .....	0	0	0	(s)	0	0	1,155	1,869
Suriname .....	0	0	0	0	0	0	0	0
Sweden .....	0	0	0	2	0	0	971	0
Switzerland .....	0	0	0	2	0	0	45	5
Thailand .....	0	0	1	0	0	0	160	206
Trinidad and Tobago .....	0	0	(s)	(s)	0	6	4	244
Turkey .....	0	0	0	0	0	0	2	0
United Arab Emirates .....	0	0	0	(s)	0	1	2	0
United Kingdom .....	0	0	22	11	538	0	677	306
Uruguay .....	0	0	0	0	0	0	0	0
Venezuela .....	0	(s)	9	3	0	8	334	1
Virgin Islands, U.S. .....	0	0	0	0	0	(s)	(s)	219
Yugoslavia .....	0	0	0	0	0	3	0	0
Other .....	0	0	86	136	371	66	511	328
<b>Total .....</b>	<b>8,449</b>	<b>564</b>	<b>15,928</b>	<b>48,485</b>	<b>10,728</b>	<b>768</b>	<b>58,616</b>	<b>57,575</b>

See footnotes at end of table.

**Table 48. Year-to-Date Exports of Crude Oil and Petroleum Products by Destination, January-December 2001 (Continued)**  
(Thousand Barrels)

Destination							Crude Oil and Products	
	Special Naphthas	Lubricants	Waxes	Petroleum Coke	Asphalt and Road Oil	Other Products <sup>b</sup>	Total	Daily Average
Argentina .....	11	141	16	407	8	3	604	2
Australia .....	11	81	5	3,357	3	1	3,870	11
Bahamas .....	0	22	(s)	0	5	11	2,872	8
Bahrain .....	0	2	0	398	(s)	0	401	1
Belgium & Luxembourg .....	121	46	12	5,093	32	175	5,807	16
Brazil .....	31	57	44	6,912	12	37	8,743	24
Cameroon .....	0	1	0	155	0	0	161	(s)
Canada .....	282	1,727	584	5,978	999	2,638	41,990	115
Chile .....	7	463	4	(s)	3	(s)	1,408	4
China, People's Republic of .....	20	58	21	470	3	1	2,044	6
China, Taiwan .....	215	153	5	60	5	10	905	2
Colombia .....	10	256	5	1	6	3	289	1
Costa Rica .....	7	94	3	307	0	23	1,913	5
Denmark .....	0	1	(s)	1,131	(s)	0	1,132	3
Dominican Republic .....	33	181	(s)	3	(s)	1	2,765	8
Ecuador .....	(s)	217	(s)	(s)	(s)	(s)	1,965	5
Egypt .....	(s)	17	0	143	4	0	165	(s)
El Salvador .....	1	129	(s)	0	0	5	901	2
Finland .....	(s)	4	(s)	0	3	0	1,444	4
France .....	7	56	7	3,762	3	284	4,692	13
French Pacific Islands .....	(s)	1	(s)	0	0	0	2	(s)
Germany, FR .....	3	21	34	739	40	16	861	2
Ghana .....	0	4	0	150	0	0	154	(s)
Greece .....	0	8	(s)	2,172	(s)	0	2,183	6
Guatemala .....	3	93	7	0	(s)	172	3,395	9
Guinea .....	0	10	0	0	0	0	12	(s)
Honduras .....	8	62	1	0	22	(s)	896	2
Hong Kong .....	1	46	42	0	(s)	2	446	1
India .....	0	259	8	753	29	10	1,114	3
Indonesia .....	3	11	2	201	2	16	439	1
Ireland .....	0	1	2	694	(s)	2	701	2
Israel .....	1	29	(s)	2,413	(s)	33	5,650	15
Italy .....	(s)	96	5	11,339	4	(s)	12,154	33
Jamaica .....	24	32	1	0	0	350	8,963	25
Japan .....	3,915	241	27	17,172	22	434	22,595	62
Korea, Republic of .....	2,395	69	8	1,543	10	142	5,012	14
Malaysia .....	(s)	55	5	(s)	1	1	471	1
Mexico .....	492	2,082	399	11,417	341	5,226	101,124	277
Netherlands .....	430	24	1	6,977	4	207	16,878	46
Netherlands Antilles .....	0	974	(s)	172	3	34	7,570	21
New Zealand .....	3	7	1	622	150	1	1,072	3
Nigeria .....	(s)	218	0	1	1	0	220	1
Norway .....	0	3	(s)	938	0	0	943	3
Panama .....	8	141	(s)	257	(s)	230	6,910	19
Peru .....	2	95	1	(s)	1	8	1,399	4
Philippines .....	1	25	4	1	0	6	44	(s)
Poland .....	(s)	1	(s)	0	(s)	0	2	(s)
Portugal .....	(s)	2	0	535	0	0	537	1
Puerto Rico .....	326	216	7	0	(s)	3	1,054	3
Russia .....	2	21	1	41	1	0	105	(s)
Saudi Arabia .....	5	29	2	173	1	(s)	223	1
Singapore .....	1	172	2	52	1	246	22,596	62
South Africa .....	(s)	60	1	1,752	1	6	1,821	5
Spain .....	(s)	14	1	15,549	6	3	18,597	51
Suriname .....	(s)	7	0	0	0	0	7	(s)
Sweden .....	0	13	(s)	356	(s)	(s)	1,343	4
Switzerland .....	(s)	4	(s)	0	(s)	(s)	55	(s)
Thailand .....	2	30	7	279	6	12	704	2
Trinidad and Tobago .....	1	20	1	2	1	19	298	1
Turkey .....	(s)	37	(s)	5,915	1	0	5,955	16
United Arab Emirates .....	2	19	(s)	797	3	(s)	824	2
United Kingdom .....	1	59	8	3,217	29	27	4,895	13
Uruguay .....	0	8	(s)	(s)	0	(s)	9	(s)
Venezuela .....	8	66	26	1,374	7	3,198	5,033	14
Virgin Islands, U.S. ....	1	3	0	0	8	0	232	1
Yugoslavia .....	(s)	3	0	288	0	(s)	293	1
Other .....	17	230	2	6,678	49	14	8,487	23
<b>Total .....</b>	<b>8,410</b>	<b>9,331</b>	<b>1,313</b>	<b>122,746</b>	<b>1,829</b>	<b>13,610</b>	<b>358,352</b>	<b>982</b>

<sup>a</sup> Crude oil exports are restricted to: (1) crude oil derived from fields under the State waters of Alaska's Cook Inlet; (2) Alaskan North Slope crude oil; (3) certain domestically produced crude oil destined for Canada; (4) shipments to U.S. territories; and (5) California crude oil to Pacific Rim countries.

<sup>b</sup> Includes miscellaneous products, motor gasoline blending components, and other hydrocarbons and oxygenates.

(s) = Less than 500 barrels or less than 500 barrels per day.

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

Sources: Energy Information Administration (EIA) Form EIA-810, "Monthly Refinery Report" and the U.S. Bureau of the Census.

**Table 49. Net Imports of Crude Oil and Petroleum Products into the United States by Country, December 2001**  
(Thousand Barrels per Day)

Country	Crude Oil <sup>a</sup>	Liquefied Petroleum Gases	Finished Motor Gasoline	Jet Fuel	Distillate Fuel Oil	Residual Fuel Oil	Petroleum Coke	Lubricants	Other Products <sup>b</sup>	Total Products	Total Crude Oil and Products
<b>Arab OPEC</b>	<b>2,617</b>	<b>30</b>	<b>(s)</b>	<b>0</b>	<b>12</b>	<b>48</b>	<b>-3</b>	<b>(s)</b>	<b>259</b>	<b>346</b>	<b>2,963</b>
Algeria	0	30	0	0	12	48	0	(s)	237	326	326
Iraq	1,120	0	0	0	0	0	0	0	0	0	1,120
Kuwait	140	0	(s)	0	0	0	0	(s)	(s)	(s)	139
Qatar	0	0	0	0	0	0	0	0	10	10	10
Saudi Arabia	1,357	0	0	0	0	0	0	(s)	12	12	1,369
United Arab Emirates	0	0	0	0	0	0	-3	(s)	0	-3	-3
<b>Other OPEC</b>	<b>1,799</b>	<b>(s)</b>	<b>65</b>	<b>17</b>	<b>32</b>	<b>63</b>	<b>-4</b>	<b>(s)</b>	<b>63</b>	<b>236</b>	<b>2,035</b>
Indonesia	42	0	0	0	(s)	0	0	(s)	9	9	51
Nigeria	579	0	0	0	0	23	0	(s)	12	34	613
Venezuela	1,178	(s)	65	17	32	40	-4	(s)	42	192	1,371
<b>Non OPEC</b>	<b>4,351</b>	<b>144</b>	<b>223</b>	<b>26</b>	<b>-5</b>	<b>24</b>	<b>-280</b>	<b>-25</b>	<b>410</b>	<b>518</b>	<b>4,869</b>
Angola	263	0	0	0	0	(s)	(s)	(s)	0	(s)	263
Argentina	71	0	17	0	0	(s)	0	(s)	13	30	101
Australia	46	(s)	-9	(s)	(s)	0	-6	(s)	(s)	-16	30
Bahamas	0	(s)	(s)	(s)	-1	4	0	(s)	(s)	2	2
Belgium & Luxembourg	0	(s)	19	0	(s)	0	-26	(s)	50	43	43
Brazil	0	0	5	0	0	14	-19	(s)	13	14	14
Cameroon	10	0	0	0	0	1	0	(s)	0	1	11
Canada	1,357	180	172	-8	92	(s)	-10	(s)	61	487	1,844
China, People's Republic of	0	0	0	7	(s)	(s)	-11	(s)	2	-2	-2
China, Taiwan	0	0	0	0	(s)	0	0	(s)	-5	-6	-6
Colombia	242	0	0	11	(s)	11	(s)	(s)	19	40	282
Congo (Brazzaville)	43	0	0	0	0	8	0	(s)	0	8	51
Ecuador	80	0	0	0	-7	0	0	(s)	0	-7	73
Egypt	0	0	9	0	0	0	0	(s)	(s)	9	9
France	0	-2	8	0	-17	15	-10	(s)	13	7	7
Gabon	159	0	0	0	0	0	0	0	0	0	159
Germany, FR	0	0	(s)	0	(s)	20	-3	(s)	7	24	24
Greece	0	0	0	0	(s)	0	-10	(s)	0	-10	-10
Guatemala	20	-1	-1	0	0	0	0	(s)	-1	-2	18
India	0	0	0	0	(s)	0	-1	(s)	(s)	-6	-6
Italy	0	-3	6	2	0	-11	-24	(s)	(s)	-30	-30
Jamaica	0	0	-3	0	-2	-7	0	(s)	-2	-14	-14
Japan	0	-3	0	0	(s)	-3	-12	(s)	-1	-21	-21
Korea, Republic of	0	0	9	28	(s)	0	-7	(s)	-7	23	23
Malaysia	15	0	0	10	0	0	0	(s)	22	32	47
Mexico	1,543	-24	-168	-6	-40	-13	-22	(s)	26	-255	1,288
Netherlands	0	0	0	-8	-34	-40	-21	(s)	20	-83	-83
Netherlands Antilles	0	0	0	-1	-1	10	0	(s)	25	27	27
Norway	106	4	17	0	0	0	-2	(s)	13	32	137
Oman	0	0	0	0	0	0	0	(s)	0	(s)	(s)
Panama	0	(s)	0	0	-4	-10	0	(s)	(s)	-14	-14
Peru	12	0	0	0	0	0	0	(s)	7	7	19
Puerto Rico	0	0	0	(s)	(s)	0	0	(s)	(s)	(s)	(s)
Romania	0	0	0	0	(s)	0	0	0	0	(s)	(s)
Russia	0	0	0	0	0	14	0	(s)	16	30	30
Syria	0	0	0	0	0	0	0	(s)	(s)	(s)	(s)
Spain	0	0	16	0	-1	-18	-56	(s)	27	-32	-32
Sweden	0	0	0	0	-31	22	0	(s)	18	8	8
Thailand	0	(s)	0	0	0	0	0	(s)	(s)	(s)	(s)
Trinidad and Tobago	69	0	0	0	0	0	0	(s)	(s)	(s)	69
Turkey	0	0	0	0	(s)	0	-7	(s)	(s)	-7	-7
United Kingdom	225	(s)	11	0	-20	13	-2	(s)	36	38	263
Virgin Islands, U.S.	0	0	107	12	97	29	0	(s)	1	247	247
Other	89	-6	7	-19	-36	-35	-29	(s)	37	-85	5
<b>Total</b>	<b>8,767</b>	<b>174</b>	<b>288</b>	<b>43</b>	<b>39</b>	<b>135</b>	<b>-286</b>	<b>-26</b>	<b>733</b>	<b>1,100</b>	<b>9,867</b>
<b>Persian Gulf<sup>d</sup></b>	<b>2,617</b>	<b>0</b>	<b>(s)</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>-3</b>	<b>(s)</b>	<b>22</b>	<b>20</b>	<b>2,636</b>

<sup>a</sup> Includes crude oil imported for storage in the Strategic Petroleum Reserve.

<sup>b</sup> Includes asphalt and road oil, aviation gasoline, aviation gasoline blending components, kerosene, miscellaneous products, motor gasoline blending components, naphtha for petrochemical feedstock use, other hydrocarbons and oxygenates, other oils for petrochemical feedstock use, pentanes plus, special naphthas, unfinished oils, and waxes.

<sup>c</sup> Formerly Zaire.

<sup>d</sup> Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.

(s) = Less than 500 barrels per day.

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

Sources: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-814, "Monthly Imports Report" and the U.S. Bureau of the Census.

**Table 50. Year-to-Date Net Imports of Crude Oil and Petroleum Products into the United States by Country, January-December 2001**  
(Thousand Barrels per Day)

Country	Crude Oil <sup>a</sup>	Liquefied Petroleum Gases	Finished Motor Gasoline	Jet Fuel	Distillate Fuel Oil	Residual Fuel Oil	Petroleum Coke	Lubricants	Other Products <sup>b</sup>	Total Products	Total Crude Oil and Products
<b>Arab OPEC</b> .....	<b>2,653</b>	<b>39</b>	<b>3</b>	<b>18</b>	<b>10</b>	<b>57</b>	<b>-3</b>	<b>(s)</b>	<b>226</b>	<b>349</b>	<b>3,002</b>
Algeria .....	11	31	(s)	1	7	54	(s)	(s)	172	264	274
Iraq .....	778	0	0	0	0	0	0	0	0	0	778
Kuwait .....	233	1	(s)	9	(s)	(s)	0	(s)	(s)	10	243
Qatar .....	(s)	0	0	0	0	0	0	(s)	13	13	13
Saudi Arabia .....	1,610	7	1	5	2	3	(s)	(s)	29	46	1,656
United Arab Emirates .....	21	0	2	4	2	0	-2	(s)	11	17	38
<b>Other OPEC</b> .....	<b>2,134</b>	<b>8</b>	<b>59</b>	<b>26</b>	<b>48</b>	<b>77</b>	<b>-4</b>	<b>-1</b>	<b>79</b>	<b>292</b>	<b>2,426</b>
Indonesia .....	40	-1	0	0	1	7	-1	(s)	2	9	49
Nigeria .....	813	8	0	(s)	2	23	(s)	-1	8	41	853
Venezuela .....	1,281	1	59	26	45	46	-4	(s)	69	243	1,524
<b>Non OPEC</b> .....	<b>4,336</b>	<b>108</b>	<b>253</b>	<b>73</b>	<b>139</b>	<b>93</b>	<b>-329</b>	<b>-17</b>	<b>553</b>	<b>873</b>	<b>5,209</b>
Angola .....	314	0	0	0	2	4	(s)	(s)	1	7	320
Argentina .....	55	(s)	12	0	2	1	-1	(s)	23	37	92
Australia .....	36	(s)	(s)	1	(s)	(s)	-9	(s)	5	-3	33
Bahamas .....	0	(s)	(s)	(s)	-2	4	0	(s)	2	3	3
Belgium & Luxembourg .....	0	(s)	18	0	2	3	-14	(s)	39	47	47
Benin .....	0	0	0	0	0	0	0	(s)	0	(s)	(s)
Brazil .....	13	-2	21	(s)	3	22	-19	(s)	15	40	53
Brunei .....	20	0	0	0	0	0	0	(s)	0	(s)	20
Cameroon .....	3	0	(s)	0	1	2	(s)	(s)	(s)	3	6
Canada .....	1,297	125	110	-9	84	17	-16	(s)	63	373	1,671
China, People's Republic of .....	13	(s)	-1	1	-1	-1	-1	(s)	9	5	18
China, Taiwan .....	0	(s)	(s)	2	2	(s)	(s)	(s)	1	3	3
Colombia .....	245	0	0	6	2	15	(s)	-1	13	35	280
Congo (Brazzaville) .....	38	(s)	0	0	3	1	0	(s)	1	6	44
Congo (Kinshasa) <sup>c</sup> .....	1	0	0	0	0	0	0	(s)	0	(s)	1
Ecuador .....	108	0	-1	0	-3	3	(s)	-1	2	-1	107
Egypt .....	0	0	2	0	0	2	(s)	(s)	3	7	7
France .....	0	(s)	10	0	1	5	-10	(s)	25	30	30
Gabon .....	138	0	0	0	0	0	0	(s)	0	(s)	138
Germany, FR .....	0	(s)	3	(s)	3	22	-2	(s)	9	35	35
Greece .....	0	(s)	0	1	(s)	(s)	-6	(s)	3	-2	-2
Guatemala .....	18	-1	-4	(s)	-3	(s)	0	(s)	(s)	-9	8
India .....	0	(s)	1	2	4	1	-2	-1	6	11	11
Italy .....	0	(s)	11	(s)	3	(s)	-31	(s)	22	5	5
Jamaica .....	0	0	(s)	(s)	(s)	-23	0	(s)	-1	-25	-25
Japan .....	(s)	(s)	1	7	(s)	-1	-47	-1	-12	-54	-54
Korea, Republic of .....	(s)	(s)	7	29	3	-1	-4	(s)	(s)	35	35
Malaysia .....	15	(s)	0	4	5	0	0	(s)	12	20	35
Mexico .....	1,379	-26	-107	(s)	-54	-32	-31	-6	23	-233	1,146
Netherlands .....	0	(s)	11	-4	-7	-1	-19	(s)	16	-4	-4
Netherlands Antilles .....	0	0	(s)	14	8	(s)	(s)	-3	38	57	57
Norway .....	267	9	14	0	(s)	7	-3	(s)	30	57	324
Oman .....	16	0	0	0	0	0	0	(s)	(s)	(s)	16
Panama .....	0	(s)	-1	0	-5	-10	-1	(s)	-1	-17	-17
Peru .....	7	(s)	0	0	-2	3	(s)	(s)	6	6	13
Puerto Rico .....	0	(s)	-1	(s)	(s)	(s)	0	2	(s)	1	1
Romania .....	0	0	0	0	1	0	-2	(s)	1	(s)	(s)
Russia .....	0	(s)	3	0	30	18	(s)	(s)	39	89	89
Syria .....	0	0	0	0	0	1	0	(s)	3	3	3
Spain .....	0	(s)	7	0	-2	-4	-43	(s)	21	-21	-21
Sweden .....	0	1	(s)	0	(s)	7	-1	(s)	11	19	19
Thailand .....	5	(s)	0	2	(s)	-1	-1	(s)	(s)	1	5
Trinidad and Tobago .....	51	(s)	1	1	1	6	(s)	(s)	10	19	70
Turkey .....	0	0	0	0	1	1	-16	(s)	3	-12	-12
United Kingdom .....	226	5	15	-1	2	12	-9	(s)	42	66	292
Virgin Islands, U.S. .....	0	0	107	22	88	34	0	(s)	13	265	265
Yemen .....	24	0	0	1	0	0	0	0	0	1	25
Other .....	48	-2	14	-5	-32	-25	-39	-4	60	-33	14
<b>Total</b> .....	<b>9,123</b>	<b>155</b>	<b>315</b>	<b>117</b>	<b>196</b>	<b>226</b>	<b>-336</b>	<b>-18</b>	<b>858</b>	<b>1,514</b>	<b>10,637</b>
<b>Persian Gulf</b> <sup>d</sup> .....	<b>2,642</b>	<b>8</b>	<b>3</b>	<b>17</b>	<b>3</b>	<b>3</b>	<b>-4</b>	<b>(s)</b>	<b>54</b>	<b>85</b>	<b>2,727</b>

<sup>a</sup> Includes crude oil imported for storage in the Strategic Petroleum Reserve.

<sup>b</sup> Includes asphalt and road oil, aviation gasoline, aviation gasoline blending components, kerosene, miscellaneous products, motor gasoline blending components, naphtha for petrochemical feedstock use, other hydrocarbons and oxygenates, other oils for petrochemical feedstock use, pentanes plus, special naphthas, unfinished oils, and waxes.

<sup>c</sup> Formerly Zaire.

<sup>d</sup> Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.

(s) = Less than 500 barrels per day.

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

Sources: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-814, "Monthly Imports Report" and the U.S. Bureau of the Census.

**Table 51. Stocks of Crude Oil and Petroleum Products by PAD District,  
December 2001**  
(Thousand Barrels)

Commodity	Petroleum Administration for Defense Districts					U. S. Total
	I	II	III	IV	V	
<b>Crude Oil</b> .....	<b>13,570</b>	<b>68,836</b>	<b>709,404</b>	<b>13,866</b>	<b>56,408</b>	<b>862,084</b>
Refinery .....	12,783	14,301	50,217	2,331	23,103	102,735
Tank Farms and Pipelines .....	750	53,753	95,317	10,533	27,043	187,396
Leases .....	37	782	13,629	1,002	735	16,185
Strategic Petroleum Reserve <sup>a</sup> .....	0	0	550,241	0	0	550,241
Alaskan In Transit .....	0	0	0	0	5,527	5,527
<b>Total Stocks, All Oils (excluding Crude Oil)<sup>e</sup></b> .....	<b>178,462</b>	<b>162,767</b>	<b>267,083</b>	<b>18,513</b>	<b>96,516</b>	<b>723,341</b>
Refinery .....	58,213	56,715	131,135	11,731	63,186	320,980
Bulk Terminal .....	91,705	67,877	82,138	2,346	25,840	269,906
Pipeline .....	28,483	36,782	50,905	4,225	7,270	127,665
Natural Gas Processing Plant .....	61	1,393	2,905	211	220	4,790
<b>Pentanes Plus</b> .....	<b>21</b>	<b>1,885</b>	<b>4,916</b>	<b>217</b>	<b>209</b>	<b>7,248</b>
Refinery .....	0	326	270	16	0	612
Bulk Terminal .....	0	998	2,216	0	192	3,406
Pipeline .....	0	464	1,956	147	0	2,567
Natural Gas Processing Plant .....	21	97	474	54	17	663
<b>Liquefied Petroleum Gases</b> .....	<b>7,578</b>	<b>36,469</b>	<b>70,505</b>	<b>1,696</b>	<b>5,162</b>	<b>121,410</b>
Refinery .....	2,038	3,738	7,913	415	1,462	15,566
Bulk Terminal .....	3,269	25,237	43,984	146	3,497	76,133
Pipeline .....	2,231	6,198	16,177	978	0	25,584
Natural Gas Processing Plant .....	40	1,296	2,431	157	203	4,127
<b>Ethane/Ethylene</b> .....	<b>0</b>	<b>3,005</b>	<b>21,205</b>	<b>463</b>	<b>0</b>	<b>24,673</b>
Refinery .....	0	0	61	0	0	61
Bulk Terminal .....	0	1,783	17,698	0	0	19,481
Pipeline .....	0	1,013	3,074	442	0	4,529
Natural Gas Processing Plant .....	0	209	372	21	0	602
<b>Propane/Propylene</b> .....	<b>5,875</b>	<b>25,729</b>	<b>31,205</b>	<b>630</b>	<b>2,574</b>	<b>66,013</b>
Refinery .....	704	1,881	2,381	130	140	5,236
Bulk Terminal .....	3,103	19,361	19,362	146	2,272	44,244
Pipeline .....	2,041	3,651	8,607	291	0	14,590
Natural Gas Processing Plant .....	27	836	855	63	162	1,943
<b>Normal Butane/Butylene</b> .....	<b>1,477</b>	<b>6,287</b>	<b>14,354</b>	<b>421</b>	<b>2,236</b>	<b>24,775</b>
Refinery .....	1,113	1,494	4,460	205	988	8,260
Bulk Terminal .....	166	3,485	5,557	0	1,213	10,421
Pipeline .....	190	1,137	3,384	157	0	4,868
Natural Gas Processing Plant .....	8	171	953	59	35	1,226
<b>Isobutane/Isobutylene</b> .....	<b>226</b>	<b>1,448</b>	<b>3,741</b>	<b>182</b>	<b>352</b>	<b>5,949</b>
Refinery .....	221	363	1,011	80	334	2,009
Bulk Terminal .....	0	608	1,367	0	12	1,987
Pipeline .....	0	397	1,112	88	0	1,597
Natural Gas Processing Plant .....	5	80	251	14	6	356
<b>Other Hydrocarbons/Hydrogen/Oxygenates</b> .....	<b>2,549</b>	<b>2,614</b>	<b>5,008</b>	<b>189</b>	<b>2,873</b>	<b>13,233</b>
Refinery .....	2,156	427	2,006	103	2,062	6,754
Bulk Terminal .....	393	2,185	3,002	61	407	6,048
Pipeline .....	0	2	0	25	404	431
<b>Other Hydrocarbons/Hydrogen</b> .....	<b>0</b>	<b>53</b>	<b>1</b>	<b>0</b>	<b>6</b>	<b>60</b>
Refinery .....	0	53	1	0	6	60
<b>Fuel Ethanol</b> .....	<b>357</b>	<b>2,478</b>	<b>800</b>	<b>143</b>	<b>519</b>	<b>4,297</b>
Refinery .....	W	294	W	W	W	599
Bulk Terminal <sup>b</sup> .....	W	W	W	W	W	W
Pipeline .....	W	W	W	W	W	W
<b>ETBE</b> .....	<b>W</b>	<b>W</b>	<b>W</b>	<b>W</b>	<b>W</b>	<b>W</b>
Refinery .....	W	W	W	W	W	W
Bulk Terminal <sup>b</sup> .....	W	W	W	W	W	W
Pipeline .....	W	W	W	W	W	W
<b>Methanol</b> .....	<b>W</b>	<b>W</b>	<b>W</b>	<b>W</b>	<b>W</b>	<b>734</b>
Refinery .....	W	W	W	W	W	734

See footnotes at end of table.

**Table 51. Stocks of Crude Oil and Petroleum Products by PAD District,  
December 2001 (Continued)**  
(Thousand Barrels)

Commodity	Petroleum Administration for Defense Districts					U. S. Total
	I	II	III	IV	V	
<b>MTBE</b> .....	<b>1,857</b>	<b>W</b>	<b>3,419</b>	<b>W</b>	<b>2,344</b>	<b>7,725</b>
Refinery .....	1,779	W	1,529	W	1,915	5,280
Bulk Terminal <sup>b</sup> .....	W	W	1,890	W	49	2,063
Pipeline .....	W	W	0	W	380	382
<b>Other Oxygenates <sup>c</sup></b> .....	<b>W</b>	<b>W</b>	<b>W</b>	<b>W</b>	<b>W</b>	<b>W</b>
Refinery .....	W	W	W	W	W	W
Bulk Terminal <sup>b</sup> .....	W	W	W	W	W	W
Pipeline .....	W	W	W	W	W	W
<b>Unfinished Oils</b> .....	<b>8,778</b>	<b>13,222</b>	<b>42,415</b>	<b>2,403</b>	<b>20,869</b>	<b>87,687</b>
Refinery .....						
Naphthas and Lighter .....	1,685	4,851	11,796	578	3,445	22,355
Kerosene and Light Gas Oils .....	2,233	1,748	7,669	321	4,003	15,974
Heavy Gas Oils .....	3,322	3,705	16,267	1,253	11,091	35,638
Residuum .....	1,538	2,918	6,683	251	2,330	13,720
<b>Motor Gasoline Blending Components</b> .....	<b>7,850</b>	<b>11,398</b>	<b>16,073</b>	<b>2,188</b>	<b>10,559</b>	<b>48,068</b>
Refinery .....	7,458	8,689	13,589	2,188	8,787	40,711
Bulk Terminal .....	302	1,019	2,146	0	1,020	4,487
Pipeline .....	90	1,690	338	0	752	2,870
<b>Aviation Gasoline Blending Components</b> .....	<b>77</b>	<b>18</b>	<b>34</b>	<b>0</b>	<b>1</b>	<b>130</b>
Refinery .....	77	18	34	0	1	130
<b>Finished Motor Gasoline</b> .....	<b>50,713</b>	<b>39,408</b>	<b>44,753</b>	<b>5,160</b>	<b>21,314</b>	<b>161,348</b>
Refinery .....	10,033	7,486	17,904	2,558	9,723	47,704
Bulk Terminal .....	27,260	17,314	9,681	1,057	8,990	64,302
Pipeline .....	13,420	14,608	17,168	1,545	2,601	49,342
<b>Reformulated</b> .....	<b>19,231</b>	<b>1,685</b>	<b>12,121</b>	<b>0</b>	<b>12,432</b>	<b>45,469</b>
Refinery .....	6,756	232	5,162	0	5,783	17,933
Bulk Terminal .....	9,231	1,003	2,595	0	4,655	17,484
Pipeline .....	3,244	450	4,364	0	1,994	10,052
<b>Oxygenated</b> .....	<b>53</b>	<b>273</b>	<b>1</b>	<b>51</b>	<b>0</b>	<b>378</b>
Refinery .....	7	114	1	51	0	173
Bulk Terminal .....	46	159	0	0	0	205
Pipeline .....	0	0	0	0	0	0
<b>Other</b> .....	<b>31,429</b>	<b>37,450</b>	<b>32,631</b>	<b>5,109</b>	<b>8,882</b>	<b>115,501</b>
Refinery .....	3,270	7,140	12,741	2,507	3,940	29,598
Bulk Terminal .....	17,983	16,152	7,086	1,057	4,335	46,613
Pipeline .....	10,176	14,158	12,804	1,545	607	39,290
<b>Finished Aviation Gasoline</b> .....	<b>157</b>	<b>299</b>	<b>493</b>	<b>36</b>	<b>499</b>	<b>1,484</b>
Refinery .....	75	90	470	27	345	1,007
Bulk Terminal .....	82	199	23	9	154	467
Pipeline .....	0	10	0	0	0	10
<b>Naphtha-Type Jet Fuel</b> .....	<b>0</b>	<b>59</b>	<b>1</b>	<b>0</b>	<b>22</b>	<b>82</b>
Refinery .....	0	0	1	0	11	12
Bulk Terminal .....	0	59	0	0	11	70
Pipeline .....	0	0	0	0	0	0
<b>Kerosene-Type Jet Fuel</b> .....	<b>10,213</b>	<b>7,597</b>	<b>13,348</b>	<b>862</b>	<b>9,830</b>	<b>41,850</b>
Refinery .....	2,310	2,873	6,249	378	4,861	16,671
Bulk Terminal .....	3,248	1,466	1,799	144	3,493	10,150
Pipeline .....	4,655	3,258	5,300	340	1,476	15,029

See footnotes at end of table.

**Table 51. Stocks of Crude Oil and Petroleum Products by PAD District,  
December 2001 (Continued)**  
(Thousand Barrels)

Commodity	Petroleum Administration for Defense Districts					U. S. Total
	I	II	III	IV	V	
<b>Kerosene</b> .....	<b>3,257</b>	<b>1,281</b>	<b>672</b>	<b>81</b>	<b>96</b>	<b>5,387</b>
Refinery .....	170	539	471	48	77	1,305
Bulk Terminal .....	2,937	701	171	0	12	3,821
Pipeline .....	150	41	30	33	7	261
<b>Distillate Fuel Oil<sup>e</sup></b> .....	<b>62,055</b>	<b>32,832</b>	<b>32,982</b>	<b>3,407</b>	<b>12,498</b>	<b>143,774</b>
Refinery .....	15,121	9,570	16,515	1,617	5,568	48,391
Bulk Terminal .....	38,997	12,765	6,549	640	4,901	63,852
Pipeline .....	7,937	10,497	9,918	1,150	2,029	31,531
<b>0.05 Percent Sulfur and Under</b> .....	<b>22,293</b>	<b>24,423</b>	<b>21,801</b>	<b>3,059</b>	<b>9,854</b>	<b>81,430</b>
Refinery .....	3,050	6,381	10,511	1,354	4,425	25,721
Bulk Terminal .....	15,424	10,037	4,720	589	3,624	34,394
Pipeline .....	3,819	8,005	6,570	1,116	1,805	21,315
<b>Greater than 0.05 Percent Sulfur</b> .....	<b>39,762</b>	<b>8,409</b>	<b>11,181</b>	<b>348</b>	<b>2,644</b>	<b>62,344</b>
Refinery .....	12,071	3,189	6,004	263	1,143	22,670
Bulk Terminal .....	23,573	2,728	1,829	51	1,277	29,458
Pipeline .....	4,118	2,492	3,348	34	224	10,216
<b>Residual Fuel Oil<sup>d</sup></b> .....	<b>17,754</b>	<b>1,991</b>	<b>15,647</b>	<b>609</b>	<b>5,043</b>	<b>41,044</b>
Refinery .....	6,360	1,376	5,146	609	3,382	16,873
Bulk Terminal .....	11,394	615	10,501	0	1,660	24,170
Pipeline .....	0	0	0	0	1	1
<b>Less than 0.31% Sulfur</b> .....	<b>4,006</b>	<b>228</b>	<b>2,798</b>	<b>9</b>	<b>550</b>	<b>7,591</b>
Refinery .....	1,639	0	93	9	513	2,254
Bulk Terminal .....	2,367	228	2,705	0	37	5,337
<b>0.31 to 1.00% Sulfur</b> .....	<b>9,073</b>	<b>328</b>	<b>3,735</b>	<b>370</b>	<b>1,640</b>	<b>15,146</b>
Refinery .....	4,008	213	552	370	1,260	6,403
Bulk Terminal .....	5,065	115	3,183	0	380	8,743
<b>Greater than 1.00% Sulfur</b> .....	<b>4,675</b>	<b>1,435</b>	<b>9,114</b>	<b>230</b>	<b>2,852</b>	<b>18,306</b>
Refinery .....	713	1,163	4,501	230	1,609	8,216
Bulk Terminal .....	3,962	272	4,613	0	1,243	10,090
<b>Naphtha for Petrochemical Feedstock Use</b> .....	<b>437</b>	<b>300</b>	<b>1,552</b>	<b>0</b>	<b>100</b>	<b>2,389</b>
Refinery .....	437	300	1,552	0	100	2,389
<b>Other Oils for Petrochemical Feedstock Use</b> .....	<b>0</b>	<b>69</b>	<b>1,326</b>	<b>0</b>	<b>117</b>	<b>1,512</b>
Refinery .....	0	69	1,326	0	117	1,512
<b>Special Naphthas</b> .....	<b>115</b>	<b>315</b>	<b>1,549</b>	<b>4</b>	<b>28</b>	<b>2,011</b>
Refinery .....	97	315	1,428	4	28	1,872
Bulk Terminal .....	18	0	121	0	0	139
<b>Lubricants</b> .....	<b>2,214</b>	<b>2,159</b>	<b>7,235</b>	<b>0</b>	<b>2,147</b>	<b>13,755</b>
Refinery .....	729	318	6,014	0	1,363	8,424
Bulk Terminal .....	1,485	1,841	1,221	0	784	5,331
<b>Waxes</b> .....	<b>149</b>	<b>59</b>	<b>395</b>	<b>7</b>	<b>3</b>	<b>613</b>
Refinery .....	149	59	395	7	3	613
<b>Petroleum Coke</b> .....	<b>344</b>	<b>1,779</b>	<b>3,576</b>	<b>34</b>	<b>2,572</b>	<b>8,305</b>
Refinery .....	344	1,779	3,576	34	2,572	8,305
<b>Asphalt and Road Oil</b> .....	<b>3,927</b>	<b>8,791</b>	<b>4,123</b>	<b>1,595</b>	<b>2,202</b>	<b>20,638</b>
Refinery .....	1,868	5,391	3,490	1,324	1,554	13,627
Bulk Terminal .....	2,059	3,400	633	271	648	7,011
<b>Miscellaneous Products</b> .....	<b>274</b>	<b>222</b>	<b>480</b>	<b>25</b>	<b>372</b>	<b>1,373</b>
Refinery .....	13	130	371	0	301	815
Bulk Terminal .....	261	78	91	18	71	519
Pipeline .....	0	14	18	7	0	39
<b>Total Stocks, All Oils</b> .....	<b>192,032</b>	<b>231,603</b>	<b>976,487</b>	<b>32,379</b>	<b>152,924</b>	<b>1,585,425</b>

<sup>a</sup> Crude oil stocks in the Strategic Petroleum Reserve include non-U.S. stocks held under foreign or commercial storage agreements.

<sup>b</sup> Includes stocks held by merchant producers.

<sup>c</sup> Includes 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).

<sup>d</sup> Sulfur content not available for stocks held by pipelines.

<sup>e</sup> Distillate stocks located in the "Northeast Heating Oil Reserve" are not included. For details see Appendix E.

W = Withheld to avoid disclosure of individual company data.

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

Sources: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-811, "Monthly Bulk Terminal Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," and EIA-816, "Monthly Natural Gas Liquids Report."

**Table 52. Refinery, Bulk Terminal, and Natural Gas Plant Stocks of Selected Petroleum Products by PAD District and State, December 2001**  
(Thousand Barrels)

PAD District and State	Motor Gasoline				Kerosene	Distillate Fuel Oil <sup>a</sup>			Residual Fuel	Propane/Propylene
	Total	Reformulated	Oxygenated	Other		Total	0.05% Sulfur and Under	Greater than 0.05% Sulfur		
<b>PAD District I</b> .....	<b>37,293</b>	<b>15,987</b>	<b>53</b>	<b>21,253</b>	<b>3,107</b>	<b>54,118</b>	<b>18,474</b>	<b>35,644</b>	<b>17,754</b>	<b>3,834</b>
Connecticut .....	1,201	1,201	0	0	191	4,832	789	4,043	96	W
Delaware, D.C., Maryland .....	1,837	1,433	0	404	309	4,635	1,260	3,375	3,106	W
Florida .....	5,480	0	0	5,480	14	2,288	1,564	724	1,249	476
Georgia .....	2,018	4	0	2,014	65	1,796	1,234	562	312	W
Maine, New Hampshire, Vermont .....	1,298	415	0	883	410	2,128	764	1,364	655	W
Massachusetts .....	1,714	1,714	0	0	101	1,838	572	1,266	714	W
New Jersey .....	8,544	6,638	0	1,906	549	15,922	2,924	12,998	5,299	W
New York .....	3,230	1,300	46	1,884	408	7,472	2,132	5,340	3,174	W
North Carolina .....	2,674	16	0	2,658	265	2,280	1,455	825	503	W
Pennsylvania .....	4,896	1,373	0	3,523	431	6,024	3,013	3,011	1,346	W
Rhode Island .....	474	474	0	0	W	972	253	719	W	W
South Carolina .....	1,189	29	0	1,160	125	1,071	716	355	W	W
Virginia .....	2,574	1,390	0	1,184	195	2,736	1,696	1,040	577	W
West Virginia .....	164	0	7	157	W	124	102	22	W	W
<b>PAD District II</b> .....	<b>24,800</b>	<b>1,235</b>	<b>273</b>	<b>23,292</b>	<b>1,240</b>	<b>22,335</b>	<b>16,418</b>	<b>5,917</b>	<b>1,991</b>	<b>22,078</b>
Illinois .....	2,978	508	0	2,470	60	3,392	2,640	752	767	952
Indiana .....	2,985	185	0	2,800	338	3,576	2,388	1,188	230	W
Iowa .....	1,176	11	0	1,165	W	957	871	86	W	W
Kansas, Nebraska .....	2,253	0	0	2,253	2	1,845	1,496	349	53	14,650
Kentucky .....	1,003	283	0	720	59	1,059	622	437	W	W
Michigan .....	2,679	0	0	2,679	300	1,369	1,074	295	63	3,780
Minnesota .....	1,843	0	114	1,729	W	1,515	1,323	192	86	W
Missouri .....	1,038	110	0	928	W	594	486	108	W	W
North Dakota, South Dakota .....	536	0	1	535	W	693	592	101	W	W
Ohio .....	3,374	0	0	3,374	270	2,482	1,499	983	207	W
Oklahoma .....	1,579	0	0	1,579	W	1,473	872	601	84	377
Tennessee .....	1,847	0	158	1,689	29	1,347	1,043	304	272	W
Wisconsin .....	1,509	138	0	1,371	W	2,033	1,512	521	53	W
<b>PAD District III</b> .....	<b>27,585</b>	<b>7,757</b>	<b>1</b>	<b>19,827</b>	<b>642</b>	<b>23,064</b>	<b>15,231</b>	<b>7,833</b>	<b>15,647</b>	<b>22,598</b>
Alabama .....	1,351	13	0	1,338	43	874	563	311	107	103
Arkansas .....	625	0	0	625	W	747	492	255	W	W
Louisiana .....	5,556	559	0	4,997	332	4,824	2,438	2,386	6,887	3,126
Mississippi .....	1,943	112	0	1,831	10	1,890	992	898	W	7,702
New Mexico .....	415	0	1	414	W	391	310	81	11	W
Texas .....	17,695	7,073	0	10,622	254	14,338	10,436	3,902	8,356	11,531
<b>PAD District IV</b> .....	<b>3,615</b>	<b>0</b>	<b>51</b>	<b>3,564</b>	<b>48</b>	<b>2,257</b>	<b>1,943</b>	<b>314</b>	<b>609</b>	<b>339</b>
Colorado .....	731	0	51	680	W	588	508	80	W	W
Idaho .....	431	0	0	431	W	278	227	51	W	W
Montana .....	1,149	0	0	1,149	W	476	476	0	99	19
Utah .....	565	0	0	565	W	507	361	146	78	228
Wyoming .....	739	0	0	739	W	408	371	37	W	52
<b>PAD District V</b> .....	<b>18,713</b>	<b>10,438</b>	<b>0</b>	<b>8,275</b>	<b>89</b>	<b>10,469</b>	<b>8,049</b>	<b>2,420</b>	<b>5,042</b>	<b>2,574</b>
Alaska .....	626	0	0	626	W	756	3	753	W	W
Arizona .....	540	76	0	464	W	682	668	14	W	W
California .....	11,174	10,362	0	812	80	5,235	5,041	194	2,341	621
Hawaii .....	638	0	0	638	W	550	97	453	W	W
Nevada .....	124	0	0	124	W	159	146	13	W	W
Oregon .....	1,684	0	0	1,684	W	967	733	234	343	W
Washington .....	3,927	0	0	3,927	W	2,120	1,361	759	854	148
<b>U.S. Total<sup>a</sup></b> .....	<b>112,006</b>	<b>35,417</b>	<b>378</b>	<b>76,211</b>	<b>5,126</b>	<b>112,243</b>	<b>60,115</b>	<b>52,128</b>	<b>41,043</b>	<b>51,423</b>

<sup>a</sup> Distillate stocks located in the "Northeast Heating Oil Reserve" are not included. For details see Appendix E.

W = Withheld to avoid disclosure of individual company data.

Notes: • Stocks are reported as of the last day of the month. • Totals may not equal sum of components due to independent rounding.

Sources: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-811, "Monthly Bulk Terminal Report," and EIA-816, "Monthly Natural Gas Liquids Report."

**Table 53. Movements of Crude Oil and Petroleum Products by Pipeline, Tanker, and Barge Between PAD Districts, December 2001**  
(Thousand Barrels)

Commodity	From I to			From II to				From III to	
	II	III	V	I	III	IV	V	I	II
<b>Crude Oil</b> .....	<b>0</b>	<b>280</b>	<b>0</b>	<b>455</b>	<b>970</b>	<b>850</b>	<b>0</b>	<b>0</b>	<b>53,077</b>
<b>Petroleum Products</b> .....	<b>9,655</b>	<b>88</b>	<b>0</b>	<b>3,865</b>	<b>6,418</b>	<b>2,743</b>	<b>0</b>	<b>98,785</b>	<b>34,079</b>
Pentanes Plus .....	0	0	0	0	165	0	0	0	634
Liquefied Petroleum Gases .....	204	0	0	2,479	3,600	196	0	2,464	5,498
Unfinished Oils .....	22	0	0	4	245	0	0	246	200
Motor Gasoline Blending Components .....	21	0	0	230	83	0	0	0	2,763
Finished Motor Gasoline .....	6,591	0	0	664	1,140	1,024	0	56,999	11,205
Reformulated .....	0	0	0	0	650	0	0	10,769	2,314
Oxygenated .....	0	0	0	0	0	0	0	0	0
Other .....	6,591	0	0	664	490	1,024	0	46,230	8,891
Finished Aviation Gasoline .....	0	0	0	0	0	5	0	76	60
Jet Fuel .....	277	0	0	49	0	1,027	0	12,698	4,618
Naphtha-Type .....	0	0	0	0	0	0	0	0	0
Kerosene-Type .....	277	0	0	49	0	1,027	0	12,698	4,618
Kerosene .....	0	0	0	46	0	0	0	92	0
Distillate Fuel Oil .....	2,478	0	0	282	411	491	0	25,193	7,901
0.05 percent sulfur and under .....	2,071	0	0	139	357	491	0	14,992	6,414
Greater than 0.05 percent sulfur .....	407	0	0	143	54	0	0	10,201	1,487
Residual Fuel Oil .....	0	0	0	0	573	0	0	0	0
Petrochemical Feedstocks <sup>a</sup> .....	62	38	0	0	144	0	0	10	242
Special Naphthas .....	0	0	0	0	13	0	0	61	21
Lubricants .....	0	50	0	37	9	0	0	559	362
Waxes .....	0	0	0	0	0	0	0	0	0
Asphalt and Road Oil .....	0	0	0	74	35	0	0	387	575
Miscellaneous Products .....	0	0	0	0	0	0	0	0	0
<b>Total</b> .....	<b>9,655</b>	<b>368</b>	<b>0</b>	<b>4,320</b>	<b>7,388</b>	<b>3,593</b>	<b>0</b>	<b>98,785</b>	<b>87,156</b>

Commodity	From III to		From IV to			From V to			
	IV	V	II	III	V	I	II	III	IV
<b>Crude Oil</b> .....	<b>0</b>	<b>0</b>	<b>2,847</b>	<b>729</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Petroleum Products</b> .....	<b>308</b>	<b>2,782</b>	<b>2,702</b>	<b>3,247</b>	<b>1,298</b>	<b>0</b>	<b>0</b>	<b>58</b>	<b>0</b>
Pentanes Plus .....	0	0	185	362	0	0	0	0	0
Liquefied Petroleum Gases .....	0	0	1,500	2,885	0	0	0	0	0
Unfinished Oils .....	0	0	0	0	0	0	0	0	0
Motor Gasoline Blending Components .....	0	1,148	0	0	0	0	0	0	0
Finished Motor Gasoline .....	228	1,148	587	0	986	0	0	0	0
Reformulated .....	0	0	0	0	0	0	0	0	0
Oxygenated .....	0	0	0	0	0	0	0	0	0
Other .....	228	1,148	587	0	986	0	0	0	0
Finished Aviation Gasoline .....	0	0	0	0	0	0	0	0	0
Jet Fuel .....	45	210	33	0	46	0	0	0	0
Naphtha-Type .....	0	0	0	0	0	0	0	0	0
Kerosene-Type .....	45	210	33	0	46	0	0	0	0
Kerosene .....	0	0	29	0	0	0	0	0	0
Distillate Fuel Oil .....	35	257	368	0	266	0	0	0	0
0.05 percent sulfur and under .....	35	231	367	0	266	0	0	0	0
Greater than 0.05 percent sulfur .....	0	26	1	0	0	0	0	0	0
Residual Fuel Oil .....	0	0	0	0	0	0	0	0	0
Petrochemical Feedstocks <sup>a</sup> .....	0	0	0	0	0	0	0	0	0
Special Naphthas .....	0	0	0	0	0	0	0	0	0
Lubricants .....	0	19	0	0	0	0	0	58	0
Waxes .....	0	0	0	0	0	0	0	0	0
Asphalt and Road Oil .....	0	0	0	0	0	0	0	0	0
Miscellaneous Products .....	0	0	0	0	0	0	0	0	0
<b>Total</b> .....	<b>308</b>	<b>2,782</b>	<b>5,549</b>	<b>3,976</b>	<b>1,298</b>	<b>0</b>	<b>0</b>	<b>58</b>	<b>0</b>

<sup>a</sup> Includes naphtha less than 401° F endpoint and other oils equal to or greater than 401° F endpoint.

Sources: Energy Information Administration (EIA) Forms EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," and EIA-817, "Monthly Tanker and Barge Movement Report."

**Table 54. Movements of Crude Oil and Petroleum Products by Pipeline Between PAD Districts, December 2001**  
(Thousand Barrels)

Commodity	From I to		From II to			From III to	
	II	III	I	III	IV	I	II
<b>Crude Oil</b> .....	<b>0</b>	<b>280</b>	<b>197</b>	<b>970</b>	<b>850</b>	<b>0</b>	<b>53,077</b>
<b>Petroleum Products</b> .....	<b>9,528</b>	<b>0</b>	<b>2,753</b>	<b>5,148</b>	<b>2,743</b>	<b>76,519</b>	<b>28,604</b>
Pentanes Plus .....	0	0	0	165	0	0	634
Liquefied Petroleum Gases .....	204	0	2,479	3,600	196	2,220	5,498
Motor Gasoline Blending Components .....	0	0	230	0	0	0	2,526
Finished Motor Gasoline .....	6,591	0	10	1,113	1,024	42,883	9,252
Reformulated .....	0	0	0	650	0	9,798	1,700
Oxygenated .....	0	0	0	0	0	0	0
Other .....	6,591	0	10	463	1,024	33,085	7,552
Finished Aviation Gasoline .....	0	0	0	0	5	0	55
Jet Fuel .....	277	0	0	0	1,027	10,274	4,296
Naphtha-Type .....	0	0	0	0	0	0	0
Kerosene-Type .....	277	0	0	0	1,027	10,274	4,296
Kerosene .....	0	0	0	0	0	75	0
Distillate Fuel Oil .....	2,456	0	34	270	491	21,067	6,343
0.05 percent sulfur and under .....	2,060	0	34	216	491	11,929	5,469
Greater than 0.05 percent sulfur .....	396	0	0	54	0	9,138	874
Residual Fuel Oil .....	0	0	0	0	0	0	0
Miscellaneous Products .....	0	0	0	0	0	0	0
<b>Total</b> .....	<b>9,528</b>	<b>280</b>	<b>2,950</b>	<b>6,118</b>	<b>3,593</b>	<b>76,519</b>	<b>81,681</b>

Commodity	From III to		From IV to			From V to	
	IV	V	II	III	V	III	IV
<b>Crude Oil</b> .....	<b>0</b>	<b>0</b>	<b>2,847</b>	<b>729</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Petroleum Products</b> .....	<b>308</b>	<b>2,763</b>	<b>2,702</b>	<b>3,247</b>	<b>1,298</b>	<b>0</b>	<b>0</b>
Pentanes Plus .....	0	0	185	362	0	0	0
Liquefied Petroleum Gases .....	0	0	1,500	2,885	0	0	0
Motor Gasoline Blending Components .....	0	1,148	0	0	0	0	0
Finished Motor Gasoline .....	228	1,148	587	0	986	0	0
Reformulated .....	0	0	0	0	0	0	0
Oxygenated .....	0	0	0	0	0	0	0
Other .....	228	1,148	587	0	986	0	0
Finished Aviation Gasoline .....	0	0	0	0	0	0	0
Jet Fuel .....	45	210	33	0	46	0	0
Naphtha-Type .....	0	0	0	0	0	0	0
Kerosene-Type .....	45	210	33	0	46	0	0
Kerosene .....	0	0	29	0	0	0	0
Distillate Fuel Oil .....	35	257	368	0	266	0	0
0.05 percent sulfur and under .....	35	231	367	0	266	0	0
Greater than 0.05 percent sulfur .....	0	26	1	0	0	0	0
Residual Fuel Oil .....	0	0	0	0	0	0	0
Miscellaneous Products .....	0	0	0	0	0	0	0
<b>Total</b> .....	<b>308</b>	<b>2,763</b>	<b>5,549</b>	<b>3,976</b>	<b>1,298</b>	<b>0</b>	<b>0</b>

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

**Table 55. Movements of Crude Oil and Petroleum Products by Tanker and Barge Between PAD Districts, December 2001**  
(Thousand Barrels)

Commodity	From I to			From II to			From III to	
	II	III	V	I	III	V	I	New England
<b>Crude Oil</b> .....	<b>0</b>	<b>0</b>	<b>0</b>	<b>258</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Petroleum Products</b> .....	<b>127</b>	<b>88</b>	<b>0</b>	<b>1,112</b>	<b>1,270</b>	<b>0</b>	<b>22,266</b>	<b>395</b>
Liquefied Petroleum Gases .....	0	0	0	0	0	0	244	0
Unfinished Oils .....	22	0	0	4	245	0	246	0
Motor Gasoline Blending Components .....	21	0	0	0	83	0	0	0
Finished Motor Gasoline .....	0	0	0	654	27	0	14,116	114
Reformulated .....	0	0	0	0	0	0	971	114
Oxygenated .....	0	0	0	0	0	0	0	0
Other .....	0	0	0	654	27	0	13,145	0
Finished Aviation Gasoline .....	0	0	0	0	0	0	76	0
Jet Fuel .....	0	0	0	49	0	0	2,424	0
Naphtha-Type .....	0	0	0	0	0	0	0	0
Kerosene-Type .....	0	0	0	49	0	0	2,424	0
Kerosene .....	0	0	0	46	0	0	17	0
Distillate Fuel Oil .....	22	0	0	248	141	0	4,126	281
0.05 percent sulfur and under .....	11	0	0	105	141	0	3,063	281
Greater than 0.05 percent sulfur .....	11	0	0	143	0	0	1,063	0
Residual Fuel Oil .....	0	0	0	0	573	0	0	0
Less than 0.31 percent sulfur .....	0	0	0	0	0	0	0	0
0.31 to 1.00 percent sulfur .....	0	0	0	0	0	0	0	0
Greater than 1.00 percent sulfur .....	0	0	0	0	573	0	0	0
Petrochemical Feedstocks <sup>a</sup> .....	62	38	0	0	144	0	10	0
Special Naphthas .....	0	0	0	0	13	0	61	0
Lubricants .....	0	50	0	37	9	0	559	0
Waxes .....	0	0	0	0	0	0	0	0
Asphalt and Road Oil .....	0	0	0	74	35	0	387	0
Miscellaneous Products .....	0	0	0	0	0	0	0	0
<b>Total</b> .....	<b>127</b>	<b>88</b>	<b>0</b>	<b>1,370</b>	<b>1,270</b>	<b>0</b>	<b>22,266</b>	<b>395</b>

Commodity	From III to				From V to		
	Central Atlantic	Lower Atlantic	II	V	I	II	III
<b>Crude Oil</b> .....	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Petroleum Products</b> .....	<b>1,000</b>	<b>20,871</b>	<b>5,475</b>	<b>19</b>	<b>0</b>	<b>0</b>	<b>58</b>
Liquefied Petroleum Gases .....	0	244	0	0	0	0	0
Unfinished Oils .....	246	0	200	0	0	0	0
Motor Gasoline Blending Components .....	0	0	237	0	0	0	0
Finished Motor Gasoline .....	150	13,852	1,953	0	0	0	0
Reformulated .....	0	857	614	0	0	0	0
Oxygenated .....	0	0	0	0	0	0	0
Other .....	150	12,995	1,339	0	0	0	0
Finished Aviation Gasoline .....	10	66	5	0	0	0	0
Jet Fuel .....	0	2,424	322	0	0	0	0
Naphtha-Type .....	0	0	0	0	0	0	0
Kerosene-Type .....	0	2,424	322	0	0	0	0
Kerosene .....	0	17	0	0	0	0	0
Distillate Fuel Oil .....	280	3,565	1,558	0	0	0	0
0.05 percent sulfur and under .....	0	2,782	945	0	0	0	0
Greater than 0.05 percent sulfur .....	280	783	613	0	0	0	0
Residual Fuel Oil .....	0	0	0	0	0	0	0
Less than 0.31 percent sulfur .....	0	0	0	0	0	0	0
0.31 to 1.00 percent sulfur .....	0	0	0	0	0	0	0
Greater than 1.00 percent sulfur .....	0	0	0	0	0	0	0
Petrochemical Feedstocks <sup>a</sup> .....	10	0	242	0	0	0	0
Special Naphthas .....	0	61	21	0	0	0	0
Lubricants .....	304	255	362	19	0	0	58
Waxes .....	0	0	0	0	0	0	0
Asphalt and Road Oil .....	0	387	575	0	0	0	0
Miscellaneous Products .....	0	0	0	0	0	0	0
<b>Total</b> .....	<b>1,000</b>	<b>20,871</b>	<b>5,475</b>	<b>19</b>	<b>0</b>	<b>0</b>	<b>58</b>

<sup>a</sup> Includes naphtha less than 401° F endpoint and other oils equal to or greater than 401° F endpoint.  
Source: Energy Information Administration (EIA) Form EIA-817, "Monthly Tanker and Barge Movement Report."

**Table 56. Net Movements of Crude Oil and Petroleum Products by Pipeline, Tanker, and Barge Between PAD Districts, December 2001**  
(Thousand Barrels)

Commodity	PAD District I			PAD District II		
	Receipts	Shipments	Net Receipts	Receipts	Shipments	Net Receipts
<b>Crude Oil</b> .....	<b>455</b>	<b>280</b>	<b>175</b>	<b>55,924</b>	<b>2,275</b>	<b>53,649</b>
<b>Petroleum Products</b> .....	<b>102,650</b>	<b>9,743</b>	<b>92,907</b>	<b>46,436</b>	<b>13,026</b>	<b>33,410</b>
Pentanes Plus .....	0	0	0	819	165	654
Liquefied Petroleum Gases .....	4,943	204	4,739	7,202	6,275	927
Ethane/Ethylene .....	0	0	0	740	2,183	-1,443
Propane/Propylene .....	4,602	0	4,602	4,787	3,224	1,563
Normal Butane/Butylene .....	341	204	137	1,032	653	379
Isobutane/Isobutylene .....	0	0	0	643	215	428
Unfinished Oils .....	250	22	228	222	249	-27
Motor Gasoline Blending Components .....	230	21	209	2,784	313	2,471
Finished Motor Gasoline .....	57,663	6,591	51,072	18,383	2,828	15,555
Reformulated .....	10,769	0	10,769	2,314	650	1,664
Oxygenated .....	0	0	0	0	0	0
Other .....	46,894	6,591	40,303	16,069	2,178	13,891
Finished Aviation Gasoline .....	76	0	76	60	5	55
Jet Fuel .....	12,747	277	12,470	4,928	1,076	3,852
Naphtha-Type .....	0	0	0	0	0	0
Kerosene-Type .....	12,747	277	12,470	4,928	1,076	3,852
Kerosene .....	138	0	138	29	46	-17
Distillate Fuel Oil .....	25,475	2,478	22,997	10,747	1,184	9,563
0.05 percent sulfur and under .....	15,131	2,071	13,060	8,852	987	7,865
Greater than 0.05 percent sulfur .....	10,344	407	9,937	1,895	197	1,698
Residual Fuel Oil .....	0	0	0	0	573	-573
Petrochemical Feedstocks <sup>a</sup> .....	10	100	-90	304	144	160
Special Naphthas .....	61	0	61	21	13	8
Lubricants .....	596	50	546	362	46	316
Waxes .....	0	0	0	0	0	0
Asphalt and Road Oil .....	461	0	461	575	109	466
Miscellaneous Products .....	0	0	0	0	0	0
<b>Total</b> .....	<b>103,105</b>	<b>10,023</b>	<b>93,082</b>	<b>102,360</b>	<b>15,301</b>	<b>87,059</b>

Commodity	PAD District III			PAD District IV			PAD District V		
	Receipts	Shipments	Net Receipts	Receipts	Shipments	Net Receipts	Receipts	Shipments	Net Receipts
<b>Crude Oil</b> .....	<b>1,979</b>	<b>53,077</b>	<b>-51,098</b>	<b>850</b>	<b>3,576</b>	<b>-2,726</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Petroleum Products</b> .....	<b>9,811</b>	<b>135,954</b>	<b>-126,143</b>	<b>3,051</b>	<b>7,247</b>	<b>-4,196</b>	<b>4,080</b>	<b>58</b>	<b>4,022</b>
Pentanes Plus .....	527	634	-107	0	547	-547	0	0	0
Liquefied Petroleum Gases .....	6,485	7,962	-1,477	196	4,385	-4,189	0	0	0
Ethane/Ethylene .....	3,844	209	3,635	0	2,192	-2,192	0	0	0
Propane/Propylene .....	1,633	6,576	-4,943	191	1,413	-1,222	0	0	0
Normal Butane/Butylene .....	575	633	-58	5	463	-458	0	0	0
Isobutane/Isobutylene .....	433	544	-111	0	317	-317	0	0	0
Unfinished Oils .....	245	446	-201	0	0	0	0	0	0
Motor Gasoline Blending Components .....	83	3,911	-3,828	0	0	0	1,148	0	1,148
Finished Motor Gasoline .....	1,140	69,580	-68,440	1,252	1,573	-321	2,134	0	2,134
Reformulated .....	650	13,083	-12,433	0	0	0	0	0	0
Oxygenated .....	0	0	0	0	0	0	0	0	0
Other .....	490	56,497	-56,007	1,252	1,573	-321	2,134	0	2,134
Finished Aviation Gasoline .....	0	136	-136	5	0	5	0	0	0
Jet Fuel .....	0	17,571	-17,571	1,072	79	993	256	0	256
Naphtha-Type .....	0	0	0	0	0	0	0	0	0
Kerosene-Type .....	0	17,571	-17,571	1,072	79	993	256	0	256
Kerosene .....	0	92	-92	0	29	-29	0	0	0
Distillate Fuel Oil .....	411	33,386	-32,975	526	634	-108	523	0	523
0.05 percent sulfur and under .....	357	21,672	-21,315	526	633	-107	497	0	497
Greater than 0.05 percent sulfur .....	54	11,714	-11,660	0	1	-1	26	0	26
Residual Fuel Oil .....	573	0	573	0	0	0	0	0	0
Petrochemical Feedstocks <sup>a</sup> .....	182	252	-70	0	0	0	0	0	0
Special Naphthas .....	13	82	-69	0	0	0	0	0	0
Lubricants .....	117	940	-823	0	0	0	19	58	-39
Waxes .....	0	0	0	0	0	0	0	0	0
Asphalt and Road Oil .....	35	962	-927	0	0	0	0	0	0
Miscellaneous Products .....	0	0	0	0	0	0	0	0	0
<b>Total</b> .....	<b>11,790</b>	<b>189,031</b>	<b>-177,241</b>	<b>3,901</b>	<b>10,823</b>	<b>-6,922</b>	<b>4,080</b>	<b>58</b>	<b>4,022</b>

<sup>a</sup> Includes naphtha less than 401° F endpoint and other oils equal to or greater than 401° F endpoint.

Sources: Energy Information Administration (EIA) Forms EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," and EIA-817, "Monthly Tanker and Barge Movement Report."

# 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:** 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.



# Explanatory Notes

The following Explanatory Notes are provided to assist in understanding and interpreting the data presented in the Detailed Statistics section of this publication.

- Note 1. Petroleum Supply Reporting System
- Note 2. Monthly Petroleum Supply Reporting System
- Note 3. Technical Notes for Detailed Statistics Tables
- Note 4. Domestic Crude Oil Production
- Note 5. Export Data
- Note 6. Quality Control and Data Revision
- Note 7. Frames Maintenance
- Note 8. Practical Limitations of Data Collection Efforts
- Note 9. 1994 Changes in the Petroleum Supply Monthly

## Note 1. Petroleum Supply Reporting System

The Petroleum Supply Reporting System (PSRS) represents a family of data collection survey forms, data processing systems, and publication systems that have been consolidated to achieve comparability and consistency throughout. The survey forms that comprise the PSRS are listed below:

Form Number	Name
EIA-800	“Weekly Refinery Report”
EIA-801	“Weekly Bulk Terminal Report”
EIA-802	“Weekly Product Pipeline Report”
EIA-803	“Weekly Crude Oil Stocks Report”
EIA-804	“Weekly Imports Report”
EIA-807	“Propane Telephone Survey”
EIA-810	“Monthly Refinery Report”
EIA-811	“Monthly Bulk Terminal Report”
EIA-812	“Monthly Product Pipeline Report”
EIA-813	“Monthly Crude Oil Report”
EIA-814	“Monthly Imports Report”
EIA-816	“Monthly Natural Gas Liquids Report”
EIA-817	“Monthly Tanker and Barge Movement Report”
EIA-819M	“Monthly Oxygenate Telephone Report”
EIA-820	“Biennial Refinery Report”

Forms EIA-800 through 804 comprise the Weekly Petroleum Supply Reporting System (WPSRS). A sample of all petroleum companies report weekly data to the Energy Information Administration (EIA) on crude oil and petroleum product stocks, refinery inputs and production, and crude oil and petroleum product imports. The sample of companies that report weekly is selected from the universe of companies that report on the comparable monthly surveys. Data collected from the WPSRS are used to develop estimates of the most current monthly quantities in the Summary Statistics section of the *Petroleum Supply Monthly* (PSM) and which appear in the *Weekly Petroleum Status Report* (WPSR).

The Form EIA-807, “Propane Telephone Survey” is used to collect data on production, stocks, and imports of propane. These data are used to monitor the supply of propane and to report to the Congress and others on supplies when requested. Data are collected from a sample of respondents reporting on the Monthly Petroleum Supply Reporting System (MPSRS) surveys. Data are collected on a weekly basis during the heating season (October through March) and published electronically in the *Winter Fuels Report*. During the non-heating season (April through September) data are collected on end-of-month stocks only. These data are published in the *WPSR*.

Forms EIA-810 through 814, 816, and 817 comprise the MPSRS. These surveys are used to collect detailed refinery/blender and natural gas plant operations data; refinery/blender, bulk terminal, natural gas plant, and pipeline stocks data; crude oil and petroleum product imports data; and data on movements of petroleum products and crude oil between Petroleum Administration for Defense (PAD) Districts. A description of the MPSRS forms follows in Explanatory Note 2.

Data from these surveys are published in preliminary form in the *PSM*. They are published in final form in the *Petroleum Supply Annual* (PSA), Volumes 1 and 2.

Summary information on the revision error between preliminary and final data is published once a year in the *PSM* feature article entitled, “Accuracy of Petroleum Supply Data.” The last article was published in the October 2001 issue and evaluated the accuracy of the data for the current year compared with the previous year.

The Form EIA-819M, “Monthly Oxygenate Telephone Report,” is used to collect preliminary data on production and stocks of oxygenates by PAD District. These data are

used to monitor the supply of oxygenates. Data are collected from a sample of respondents reporting on the MPSRS surveys and from the universe of oxygenate producers. Data are published in Appendix D of this publication and in the *WPSR*.

The Form EIA-820, “Annual Refinery Report,” is used to collect data on refinery fuel use and consumption of steam and electricity, refinery receipts of crude oil by method of transportation, operable capacity for atmospheric crude oil distillation units and downstream units, as well as production capacity and storage capacity for petroleum products. This survey is the primary source of data in the Refinery Capacity section of the *PSA* Volume 1.

## Note 2. Monthly Petroleum Supply Reporting System

The Monthly Petroleum Supply Reporting System (MPSRS) was implemented in January 1983 as the result of an extensive effort by the Energy Information Administration (EIA) to integrate the collection and processing of petroleum supply data that had been collected on other survey forms for many years. The collection of monthly petroleum supply statistics began as early as 1918 when the U.S. Bureau of Mines began collecting data on refinery operations, crude oil stocks and movements. The collection systems were further expanded in 1925 to include natural gas plant liquids production and storage, imports of crude oil and petroleum products and storage and movement of petroleum products in 1959, and tanker and barge movements of crude oil and petroleum products in 1964. Since their inception, each survey has undergone numerous changes, but the MPSRS was the first effort to make them all consistent and comparable. The forms that comprise the MPSRS are:

Form Number	Name
EIA-810	“Monthly Refinery Report”
EIA-811	“Monthly Bulk Terminal Report”
EIA-812	“Monthly Product Pipeline Report”
EIA-813	“Monthly Crude Oil Report”
EIA-814	“Monthly Imports Report”
EIA-816	“Monthly Natural Gas Liquids Report”
EIA-817	“Monthly Tanker and Barge Movement Report”
EIA-819M	“Monthly Oxygenate Telephone Report”

### Respondent Frame

Form EIA-810, “Monthly Refinery Report” - Operators of all operating and idle petroleum refineries and blending plants located in the 50 States, the District of Columbia, Puerto Rico, the Virgin Islands, Guam and other U.S. possessions. Approximately 260 respondents report on the Form EIA-810.

Form EIA-811, “Monthly Bulk Terminal Report” - Every bulk terminal operating company located in the 50 States, the District of Columbia, Puerto Rico, the Virgin Islands, and other U.S. possessions. A bulk terminal is primarily used for storage and/or marketing 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. In addition, the Form EIA-811 must be completed by merchant oxygenate plants that produce oxygenates. Approximately 320 respondents report on the Form EIA-811.

Form EIA-812, “Monthly Product Pipeline Report” - All product pipeline companies that carry petroleum products (including interstate, intrastate, and intracompany pipelines) in the 50 States and the District of Columbia. Approximately 80 respondents report on the Form EIA-812.

Form EIA-813, “Monthly Crude Oil Report” - 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 intracompany pipelines), crude oil producers, terminal operators, storers of crude oil (except refineries), and companies transporting Alaskan crude oil by water in the 50 States and the District of Columbia. Approximately 175 respondents report on the Form EIA-813.

Form EIA-814, “Monthly Imports Report” - All companies, including subsidiary or affiliated companies, 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), 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 and must be reported. 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. Approximately 220 respondents report on the Form EIA-814.

Form EIA-816, “Monthly Natural Gas Liquids Report” - 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). Approximately 585 respondents report on the Form EIA-816.

Form EIA-817, “Monthly Tanker and Barge Movement Report” - All companies that have custody of crude oil or petroleum products transported by tanker or barge between Petroleum Administration for Defense (PAD) Districts or between the Panama Canal and the United States. 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 which lease

vessels or contract for the movement of crude oil or petroleum products on a tanker or barge between PAD Districts or between the Panama Canal and the United States are considered to have custody. Approximately 40 respondents report on the Form EIA-817.

Form EIA-819M, "Monthly Oxygenate Telephone Report" - The sample of companies that report on the EIA-819M are selected from the universe of companies that report on the MPSRS surveys and from the universe of oxygenate producers. The universe consists of (1) operators of facilities that produce (manufacture or distill) oxygenates (including MTBE plants, petrochemical plants, and refineries that produce oxygenates as part of their operations); (2) operators of petroleum refineries; and (3) operators of bulk terminals, bulk stations, blending plants, and other nonrefinery facilities that store and/or blend oxygenate. Approximately 85 respondents report on the Form EIA-819M.

### Sampling

The sampling procedure used for the survey Form EIA-819M is the cut-off method and is performed using software developed by EIA's Office of Statistical Standards. In the cut-off method, companies are ranked from largest to smallest on the basis of quantities reported (oxygenate production and oxygenate stocks.) Companies are chosen for the sample beginning with the largest and adding companies until the total sample covers approximately 90 percent of the total for each oxygenate item and supply type by geographic region (PAD Districts I through V) for which data may be published.

### Description of Survey Forms

The Form EIA-810, "Monthly Refinery Report," is used to collect 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.

The Form EIA-811, "Monthly Bulk Terminal Report," is used to collect data on end-of-month stock levels of finished petroleum products by State in the custody of the bulk terminal company or merchant oxygenate plant regardless of ownership. Leased tankage at other facilities is excluded. All domestic and foreign stocks held at bulk terminals and in-transit thereto, except those in-transit by pipeline are included. Petroleum products in-transit by pipeline are reported by pipeline operators on Form EIA-812, "Monthly Product Pipeline Report."

The Form EIA-812, "Monthly Product Pipeline Report," is used to collect data on end-of-month stock levels 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," is used to collect data on end-of-month stocks of crude oil held at pipeline and tank farms (associated with the pipelines) and terminals operated by the reporting company. Also, crude oil consumed by pipelines and on leases as pump fuel, boiler fuel, etc., is reported. Data are reported on a PAD District basis.

Total Alaskan crude oil stocks in-transit by water (including stocks held at transshipment terminals between Alaska and the continental United States) to the 50 States, the District of Columbia, Puerto Rico, and the Virgin Islands are also reported by the transporting company having custody of the stocks.

Inter-PAD District movements of crude oil by pipeline are collected by the shipping and receiving PAD District. Intermediate movements for pipeline systems operating in more than two PAD Districts are not included.

The Form EIA-814, "Monthly Imports Report," is used to collect 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, unfinished oils, other hydrocarbons/hydrogen/oxygenates and blending components only.

The Form EIA-816, "Monthly Natural Gas Liquids Report," is used to collect 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," is used to collect 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-819M, "Monthly Oxygenate Telephone Report," is used to collect data on production and stocks

of oxygenates. Data on end-of-month stocks are reported on a custody basis regardless of ownership. Data are reported on a PAD District basis.

### Collection Methods

Except for the EIA-819M, survey forms for the MPSRS can be submitted by mail, facsimile, or electronic transmission. Completed forms are required to be postmarked by the 20th calendar day following the end of the report month. Data collection for the 819M begins on the seventh working day of each month. Data are solicited by telephone or transmitted to the EIA by facsimile. Receipt of the reports are monitored using an automated respondent mailing list. Telephone follow-up calls are made to nonrespondents prior to the publication deadline.

### Response Rate

The response rate is generally 98 to 100 percent. 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.

### Data Imputation

Imputation is performed for companies that fail to file Forms EIA-810 through 813, 816, and 819M. For such companies, previous monthly values are used for current values.

On the EIA-819M, data are aggregated for each geographic region. Estimation factors, which are derived from the previous year's data, are then applied to each cell to generate published estimates.

Data for nonrespondents on the Forms EIA-814 and 817 are not imputed because these data series, by respondent, are highly variable.

### Confidentiality

The Office of Legal Counsel of the Department of Justice concluded on March 20, 1991, that the Federal Energy Administration Act requires the EIA to provide company-specific data to the Department of Justice, or to any Federal agency when requested for official use, which may include enforcement of Federal law. The information contained on this form may also be made available, upon request, to another component of the Department of Energy (DOE), to any Committee of Congress, the General Accounting Office, or other Congressional agencies authorized by law to receive such information. A court of competent jurisdiction may obtain this information in response to an order.

The information contained on Forms EIA-810 through 813, 816, 817, and 819M are kept confidential and not disclosed to the public to the extent that they satisfy 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 information contained on Form EIA-814 are not considered confidential and historically has not been treated as such.

Upon receipt of a request for this information under the FOIA, the DOE shall make a final determination whether the information is exempt from disclosure in accordance with the procedures and criteria provided in the regulations. To assist us in this determination, respondents should demonstrate to the DOE that, for example, their information contains trade secrets or commercial or financial information whose release would be likely to cause substantial harm to their company's competitive position. A letter accompanying the submission that explains (on an element-by-element basis) the reasons why the information would be likely to cause the respondent substantial competitive harm if released to the public would aid in this determination. A new justification does not need to be provided each time information is submitted on the form, if the company has previously submitted a justification for that information and the justification has not changed. Company specific data are also provided to other DOE offices for the purpose of examining operations in the context of emergency response planning and actual emergencies.

The data collected on Forms EIA-810 through 814, 816, and 817 appear in EIA publications such as *Petroleum Supply Monthly* (PSM), *Monthly Energy Review*, *Petroleum Supply Annual* (PSA), and the *Annual Energy Review*.

Data on the breakdown between liquefied refinery gases and olefins, and lubricants is suppressed on PSM Table 29, "Refinery Net Production of Finished Petroleum Products by PAD and Refining Districts" and the corresponding PSA table to avoid disclosure of company identifiable data.

Statistics representing data aggregated from less than three companies or aggregated data representing 60 percent or more of a single company's data are suppressed on the PSM and corresponding PSA tables listed below. In addition, complementary suppression is performed to avoid any residual disclosure.

- Table 28, “Refinery Input of Crude Oil and Petroleum Products by PAD and Refining Districts,” (inputs of oxygenates)
- Table 30, “Refinery Stocks of Crude Oil and Petroleum Products by PAD and Refining Districts,” (stocks of oxygenates)
- Table 51, “Stocks of Crude Oil and Petroleum Products by PAD District,” (stocks of oxygenates)
- Table 52, “Refinery, Bulk Terminal, and Natural Gas Plant Stocks of Selected Petroleum Products,” (all products)
- Table D2, “Monthly Fuel Ethanol Production and Stocks by PAD Districts,” and
- Table D3, “Monthly MTBE Production and Stocks by PAD Districts.”

With the exception of the tables listed above, the tables in the *PSM* (and corresponding *PSA* tables) are not subject to statistical nondisclosure procedures. Thus, there may be some table cells which are based on data from only one or two respondents, or which are dominated by data from one or two large respondents. In these cases, it may be possible for a knowledgeable user of the data to make inferences about the data reported by a specific respondent.

### Note 3. Technical Notes for Detailed Statistics Tables

The detailed statistics tables in the *Petroleum Supply Monthly* (*PSM*) provide complete supply and demand information for the current year. The tables are organized to locate National and Petroleum Administration for Defense (*PAD*) District summary data at the front followed by 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 technical notes are provided. Column and row headings are defined in the Glossary.

#### Supply

**Field Production** - Field production is the sum of crude oil production, natural gas plant liquids production, other liquids production, and finished petroleum products production.

Crude oil production is an estimate based on data received from State conservation agencies and the Mineral Management Service of the U.S. Department of the Interior. Refer to Explanatory Note 4 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) in this column.

Other liquids field production is calculated by forcing the product supplied to be zero; thereby backing into field production.

Field production of finished petroleum products is calculated by (1) adding the amount of fuel ethanol that has been blended into finished motor gasoline, and (2) plus (+) or minus (-) the field production of motor gasoline blending components. Refer to Explanatory Note 8 for a further discussion of this calculation.

Negative field production of motor gasoline blending components represents an understatement for finished motor gasoline.

Negative field production of other finished motor gasoline represents an overstatement of other finished motor gasoline and an understatement of oxygenated motor gasoline.

**Refinery Production** - Published production of these products equal refinery production minus refinery input. Refinery production of other hydrocarbons, hydrogen and oxygenates, unfinished oils, and motor and aviation gasoline blending components appear on a net basis under refinery input. Negative refinery 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.

**Unaccounted for Crude Oil** - This column is a balancing item for crude oil. This data element represents the difference between crude oil supply and disposition. Crude oil supply is the sum of field production and imports. Crude oil disposition is the sum of stock change, losses, refinery inputs, exports, and products supplied. A positive result indicates that refiners and exporters reported use of more crude oil than was reported to have been available to them. (This occurs, for example, when imports are undercounted due to late reporting or other problems). A negative result indicates that more crude oil was reported to have been supplied to refiners and exporters than they reported to have used.

#### Disposition

**Stock Change** - This column is calculated as the difference between the Ending Stocks column of this table and the Ending Stocks column of this table in the prior month’s publication. A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks.

**Crude Losses** - 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 refining processing losses or gains.

**Refinery Inputs** - Refinery inputs of crude oil and intermediate materials (unfinished oils, gasoline blending components, other hydrocarbons and oxygenates, lique-

fied petroleum gases, and pentanes plus) that are processed at refineries to produce finished petroleum products.

Crude oil inputs represents total crude oil (domestic and foreign) input to atmospheric crude oil distillation units and other refinery processing units (i.e., catalytic cracking units, cokers).

Inputs of natural gas liquids are natural gas liquids received from natural gas plants for blending and processing. Published inputs of natural gas liquids are reported on a gross basis.

Inputs of unfinished oils, motor and aviation gasoline blending components, and other hydrocarbons and oxygenates are published on a net basis (i.e., refinery input minus refinery production).

Inputs of finished petroleum products are published on a net basis (i.e., refinery production minus refinery inputs) and displayed under the refinery production column.

**Exports** - Exports include crude oil shipments from the 50 States to Puerto Rico, and the Virgin Islands.

**Products Supplied** - Products supplied is equal to field production, plus refinery production, plus imports, plus unaccounted for crude oil, (plus net receipts on a PAD District basis), minus stock change, minus crude losses, minus refinery inputs, minus exports.

Products supplied indicates those 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 interdistrict 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.

Product supplied for crude oil is the sum of crude oil burned on leases and by pipelines as fuel. Prior to January 1983, crude oil burned on leases and by pipelines as fuel were reported as either distillate or residual fuel oil and were included in product supplied for these products.

### Yields

The refinery yield of finished motor gasoline is calculated by subtracting the inputs of pentanes plus, liquefied petroleum gases, other hydrocarbons/oxygenates and motor gasoline blending components from the production of finished motor gasoline before dividing by the sum of crude oil input and unfinished oils input (net).

The refinery yield of finished aviation gasoline is calculated by subtracting the inputs of aviation gasoline blending components from the production of finished aviation gasoline before dividing by the sum of crude oil input and unfinished oils input (net).

Refinery yields for all products (except finished motor gasoline and finished aviation gasoline) are calculated by dividing the production for each product by the sum of crude oil input and unfinished oils input (net) reported in the U.S. total.

### Stocks

Primary stocks of petroleum products do not include either secondary stocks held by dealers and jobbers or tertiary stocks held by consumers.

### Movements

Movements of crude oil by pipeline between PAD Districts include trunk pipeline companies (interstate, intrastate, and intracompany pipelines). Intermediate movements for crude oil pipeline systems operating in more than two PAD Districts are not included.

Movements of petroleum products by pipeline between PAD Districts include trunk pipeline companies (interstate, intrastate and intracompany pipelines). Intermediate movements for product pipeline systems operating in more than two PAD Districts are included. For example, a shipment originating in PAD District 3, passing through PAD District 2 to PAD District 1, is reported as a movement from PAD District 3 to PAD District 2 and also from PAD District 2 to PAD District 1.

Waterborne movements of crude oil and petroleum products between PAD Districts include all shipments of crude oil or petroleum products for which the transporter has custody at the time of shipment. Custody is defined as physical possession of crude oil or petroleum products on a company-owned tanker and barge.

## Note 4. Domestic Crude Oil Production

The Energy Information Administration (EIA) collects monthly crude oil production data on an ongoing basis. Data on crude oil production for States are reported to the EIA by State government agencies. Data on crude oil production for Federal offshore areas are reported to the EIA by the Minerals Management Service of the U.S. Department of the Interior and the California Department of Conservation.

Currently, all except four crude oil producing States (Michigan, New York, Ohio, and Pennsylvania) report production on a monthly basis. These four States report crude oil production on an annual basis. Estimates of monthly crude oil production for these four States are made by the EIA using data reported on Form EIA-182,

“Domestic Crude Oil First Purchase Report.” After the end of each calendar year, the monthly crude oil production estimates are updated using annual reports from various State agencies, the Minerals Management Service, and the California Department of Conservation. The final estimate is published in the *Petroleum Supply Annual* (PSA).

Table 26 of this publication provides estimates of crude oil production in the latest month for which most State production data are available. There is a time lag of approximately 4 months between the end of the production month and the time when most monthly State crude oil production data become available.

In order to present more timely crude oil production estimates, the EIA prepares a weekly crude oil production estimate, which is used in the *Weekly Petroleum Status Report* (WPSR). At the end of the production month, these weekly estimates are aggregated into an original estimate of monthly crude oil production. Approximately 45 days later, this original estimate is replaced by State-level interim estimates. The State-level interim estimates are based on: (a) data reported by the States (e.g., production data for Alaska are typically reported to the EIA before the interim estimate is made); (b) first purchase data reported on Form EIA-182, “Domestic Crude Oil First Purchase Report;” (c) exponential or hyperbolic curve fitted projections based on recent State data; or (d) constant level projections based on the average production rate during a recent time period.

Table B1 is intended to provide further insight into the EIA’s estimates of monthly U.S. crude oil production. It shows: (a) how the aggregate of reported State data evolves over a period of 18 months; (b) the number of producing States that have not reported production for a given month within that period; and (c) various EIA estimates of monthly crude oil production within that period:

- The original estimate is a monthly aggregate of the weekly crude oil production estimates published in the *WPSR*. This original monthly estimate is used in the *Petroleum Supply Monthly* (PSM) Tables S1 and S2 until replaced by the interim estimate.
- The interim estimate is used in the *PSM* Tables 1 through 25, and in Tables S1 and S2 until replaced by the final estimate.
- The initial estimate based upon first purchase data collected on the Form EIA-182 is used as an estimation tool in generating the interim estimate. The initial volume represents the best estimate available 40 days after the end of the production month and includes imputation for nonresponse and possible reporting errors. The revised volume is the best estimate available about 70 days after the production month and includes imputation as needed. A final revision is published concurrent

with publication of Form EIA-182 price data in the *Petroleum Marketing Annual*.

- The final estimate is published in the *PSA*.

## Note 5. Export Data

Each month the Energy Information Administration (EIA) receives magnetic tapes of aggregated export statistics from the U.S. Bureau of the Census (EM-522 and EM-594).

Census export statistics used in the *Petroleum Supply Monthly* (PSM) reflect both government and nongovernment 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:

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

### Source of Export Information

The official U.S. export statistics are compiled by the U.S. Bureau of the Census. Exporters are required to file export documents with U.S. Customs officials (Customs Form 7525).

### Country and Area of Destination

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.

## Note 6. Quality Control and Data Revision

### Quality Control

The Energy Information Administration (EIA) monitors the supply and disposition of crude oil, petroleum products, and natural gas liquids in the United States. Through a tracking system, the EIA provides insight into the activities of primary operators and distributors in the petroleum industry. The tracking system, known as the Petroleum Supply Reporting System (PSRS), consists of production,

**Table B1. U.S. Crude Oil<sup>a</sup> Production Estimates and Reported States<sup>b</sup> Data by Month**  
(Thousand Barrels per Day)

Date of Data Availability	Month of Production																		
	8-00	9-00	10-00	11-00	12-00	1-01	2-01	3-01	4-01	5-01	6-01	7-01	8-01	9-01	10-01	11-01	12-01	1-02	
<b>Reported State Data</b>																			
10-14-00	954	0																	
11-14-00	1316	1207	0																
12-14-00	2353	1311	1264	0															
1-14-01	3863	2336	1536	1290	0														
2-14-01	4165	3956	2436	1516	1397	0													
3-14-01	5562	5478	4915	2489	1543	987	0												
4-14-01	5755	5782	5906	5934	5863	5639	5918	0											
5-14-01	5676	5639	5615	5502	4853	2061	1072	1010	0										
6-14-01	5698	5650	5643	5640	5530	5093	2026	1151	997	0									
7-14-01	5806	5758	5763	5780	5724	5554	5280	2025	1116	973	0								
8-14-01	5808	5762	5775	5789	5733	5576	5508	3991	2179	1222	948	0							
9-14-01	5809	5768	5781	5791	5740	5692	5650	5446	5052	2087	1077	935	0						
10-14-01	5810	5769	5783	5798	5739	5699	5654	5596	5481	3930	1968	1031	973	0					
11-14-01	5810	5777	5791	5812	5787	5716	5697	5783	5722	5392	4706	1907	1087	939	0				
12-14-01	5812	5780	5798	5817	5789	5718	5700	5787	5764	5617	5399	3987	1900	1040	902	0			
1-14-02	5807	5781	5798	5818	5790	5719	5700	5788	5766	5618	5404	4000	3492	2177	1311	1115	0		
2-14-02	5815	5785	5802	5822	5794	5722	5721	5794	5767	5619	5407	5315	3656	3359	1256	1146	1156	0	
<b>Producing States Without Reported Monthly Production</b>																			
2-14-02	0	0	0	0	0	0	0	0	0	7	8	9	10	12	16	21	22	26	33
<b>Production Estimates</b>																			
<b>Estimate</b>																			
Original <sup>c</sup> .....	5771	5792	5881	5889	5899	5933	5870	5836	5864	5805	5743	5740	5776	5785	5763	5872	5894	5915	
Interim <sup>d</sup> .....	5813	5767	5820	5868	5839	5836	5840	5878	5854	5859	5799	5807	5823	5829	5812	5946	5948		
Form EIA-182																			
Initial .....	5056	4994	5089	5221	5123	5137	5154	5102	4727	5341	5100	5197	5112	5210	4994	5256	5344		
Revised....	5106	5121	5086	5216	5175	5068	5188	5182	5380	5307	5133	5183	5100	5094	5156	5345			
Final <sup>e</sup> .....	5789	5758	5809	5833	5855														

<sup>a</sup> Includes lease condensate.

<sup>b</sup> Includes Federal offshore areas, Gulf of Mexico (PADD III) and Pacific (PADD V), as two separate reporting entities.

<sup>c</sup> Original estimates are weighted averages based on the weekly estimates published in the *Weekly Petroleum Status Report*.

<sup>d</sup> Interim estimates were made 44 days after the end of the production month.

<sup>e</sup> Published in the *Petroleum Supply Annual 2000*, DOE/EIA 0340(00)/2.

inputs, imports, inventories, movements, and other petroleum-related data collected on weekly, monthly, and annual surveys.

Survey forms are periodically reviewed for completeness, meaningfulness, and clarity. Modifications are made, when needed, to maintain efficient measure of the intended data items and to track product movement accurately throughout the industry. Through this process, the EIA can maintain consistency among forms, minimize respondent burden, and eliminate ambiguity.

### Sampling and Nonsampling Errors

There are two types of errors usually associated with data produced from a survey: nonsampling errors and sampling errors. Because the estimates for the monthly surveys 810 through 813, 816, and 817 are based on a complete census of the frame, there is no sampling error in the data presented. The data, however, are subject to nonsampling errors. Nonsampling errors, sometimes referred to as biases, are those which can arise from a number of sources: (1) the inability to obtain data from all companies in the frame or sample (nonresponse and the method used to account for nonresponses), (2) definitional difficulties and/or improperly worded questions which lead to different interpretations, (3) mistakes in recording or coding the data obtained from respondents, and (4) other errors of collection, response, coverage, and estimation.

Response rates on the monthly surveys are very high. In general, response rates average above 95 percent for the weekly survey and above 98 percent for monthly surveys. Whenever survey responses are not received in time to be included in published statistics, the data are imputed. Although imputing for missing data may not eliminate the total error associated with nonresponse, it can serve to reduce the error. The data reported in the previous month are used as imputed values for missing data for all surveys except the Forms EIA-814, "Monthly Imports Report," and EIA-817, "Monthly Tanker and Barge Movement Report." There is no imputation procedure for these surveys because these data series, by respondent, are highly variable.

Response error is the major factor affecting the accuracy of PSRS data. Response, or reporting error, is the difference between the true value and the value reported on a survey form. Response error can occur for any number of reasons. For example, figures may be entered incorrectly when written on forms by the respondent, or errors may result from the misunderstanding of survey form instructions or definitions. Response error can also occur from the use of preliminary data when final data are not available. This can result in differences between published preliminary and final data. To help detect and minimize probable reporting errors, automated editing procedures are used to check current data for consistency with past data, as well as for internal consistency (e.g., totals equal

to the sums of the parts), and to flag those data elements that fail edit criteria.

Errors can also be introduced during data processing. For example, while creating computer data files, key errors can occur in transcribing or coding the data; or information can be entered into the wrong cell. Using well designed edit criteria which examine orders of magnitude, cell position, and historical reporting patterns, many of these errors can be identified and corrected.

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 Petroleum Division is performed each year. The results of this data comparison are published once a year in the *Petroleum Supply Monthly* (PSM) feature article, "Comparison of Independent Statistics on Petroleum Supply."

Sampling errors are those errors that occur when survey estimates are based on a sample rather than being derived from a complete census of the frame. The 819M data, which are based on sample estimates, serve as leading indicators of the PSRS monthly data for oxygenates. To assess the accuracy of the 819M statistics, data are compared with the monthly aggregate data for the EIA-810, 811, and 812 surveys. Although monthly data are still subject to error, they have been thoroughly reviewed and edited, and are considered to be the most accurate data available.

### Data Revision

Resubmissions are any changes to the originally submitted data that were either requested by the EIA or initiated by the respondent. Resubmissions are compared with the original submission and processed at the time of receipt. For Forms EIA-810 through 813, 816, and 817 the Resubmission Tracking System (RTS) is run after resubmissions have been processed for the month. The RTS enables the user to study major products and data series to see how company resubmissions impact published data on a month by month basis. During the processing year, a summary of the effect of these resubmissions to major series is provided in Appendix C.

For the EIA-819M data, a determination is made on whether to process the resubmissions based on the magnitude of the revision. Cell entries on publication tables are marked with an "R" for revised.

### Late Response

Respondents who fail to respond within the prescribed time limit (25th day following the end of the report month)

become nonrespondents for that particular report period and are contacted by phone to obtain the current month's data. Respondents who are chronically late (i.e., 3 consecutive months) are notified by EIA either by letter or telephone.

### **Nonresponse**

Follow-up action is taken when a company fails to respond adequately to data requests from the EIA. Preliminary attempts to gather delinquent reports are made by phone. Noncompliance form letters are sent to those companies that have not submitted reports and have not responded to data requests by phone.

## **Note 7. Frames Maintenance**

The Petroleum Division (PD) 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 a monthly and annual basis. Monthly frames maintenance procedures focus on examining several frequently published industry periodicals that report changes in status (births, deaths, sales, and acquisitions) of petroleum facilities producing, transporting, importing, and/or storing crude oil and petroleum products. These sources are augmented by articles in newspapers, letters from respondents indicating changes in status, 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.

Annual frames maintenance focuses on re-evaluating the "must submit" companies filing the Form EIA-814 and reviewing the sample frame for the Form EIA-819M, "Monthly Oxygenate Telephone Report."

To supplement monthly and annual frames maintenance activities and to provide more thorough coverage, the PD periodically conducts a comprehensive frames investigation. These investigations result in the reassessment and recompilation of the complete frame for each survey. The effort also includes the evaluation of the impact of potential frame changes on the historical time series data published from these respondents. The results of this frame study are usually implemented in January to provide a full year under the same frame.

## **Note 8. Practical Limitations of Data Collection Efforts**

### **Crude Oil Lease Stock Adjustment**

End-of-month crude oil stocks held on leases are reported on the EIA-813, "Monthly Crude Oil Report." However, only those companies that store 1,000 barrels or more of crude oil are required to submit a report. Previous frames analysis has shown that crude oil stocks held on leases reported to the EIA are consistently lower than the lease stocks reported to individual states.

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.

### **Trans Alaskan Pipeline System Adjustment**

Beginning with the January 1989 data, adjustments are made to refinery inputs and product supplied of natural gas liquids (NGLs) and refinery inputs of crude oil to account for refiner misreporting. Substantial volumes of NGLs are produced at natural gas processing plants in Alaska and injected into the crude oil moving in the Trans Alaska Pipeline System (TAPS). Refiners receiving any crude oil commingled with NGLs are instructed to report the NGL portion of that stream separately from the crude oil portion. This has not been done for Alaskan crude oil because refiners are unable to identify these volumes for accounting purposes. As a result, the NGL production in Alaska has been credited directly toward product supplied and also toward product supplied from refinery production when the refiner processes the crude oil-NGL mixture. In addition, the reporting of the commingled stream as crude oil by the refiner has overstated crude oil inputs and resulted in an increase in unaccounted for crude oil equal to the volume of NGL in the crude oil.

To offset this reporting error, an adjustment is made to refinery input in all PAD Districts receiving Alaskan crude oil. The adjustment reduces the crude oil inputs and increases the NGL inputs by an equal amount. Each PAD District adjustment is a portion of the known Alaskan-NGL production that is proportional to the PAD District's share of Alaskan crude oil received at all refineries in the United States. The greatest impact occurs in PAD District V for butane and pentanes plus.

The reporting problem which began in 1987 grew as injections on NGLs into the TAPS increased. Data for 1988 was revised in the *Petroleum Supply Annual* to account for the adjustment.

### Finished Motor Gasoline Product Supplied Adjustment

Beginning with the reporting of January 1993 data, adjustments were made to the product supplied series for finished motor gasoline. It was recognized that motor gasoline statistics published by the EIA through 1992 were underreported because the reporting system was not collecting all fuel ethanol and motor gasoline blending components being blended downstream from the refinery. The EIA was able to quantify these volumes and make corrective adjustments for 1992 in 1993 (refer to Table B2).

### Fuel Ethanol Adjustment

Prior to 1993, an estimated 60 to 70 thousand barrels per day of fuel ethanol were added to motor gasoline to produce gasohol but were not included in the EIA finished motor gasoline production data. In 1992, the EIA attempted to collect these data from downstream fuel ethanol motor gasoline blenders but found that this effort was impractical and the results were inaccurate.

Beginning in January 1993, an estimate for the missing fuel ethanol blended into motor gasoline was calculated. This estimate was calculated as production (from the EIA-819M, "Monthly Oxygenate Telephone Report"), plus imports (from the EIA-814, "Monthly Imports Report"), minus inputs at refineries (from the EIA-810, "Monthly Refinery Report"), plus or minus stock change (from the EIA-819M survey). This estimate for the amount of fuel ethanol blended into motor gasoline was added to Table 1 for Natural Gas Liquids Field Production (line 14) and in the Field Production column for finished motor gasoline in Tables 2 through 25 published in the *PSM*.

An estimate for the total amount of gasohol produced with the ethanol is given as 10 times the estimated fuel ethanol blended (this assumes a 10 percent ethanol blend). This amount is added to the column labeled field production of "oxygenated gasoline" and subtracted from the field production of "other" finished gasoline. The PAD District level detail was obtained by allocating the national level estimates according to the percent of gasohol sales from the U.S. Department of Transportation, Federal Highway Administration, *Monthly Motor Fuel Reported by States*, 1994.

### Motor Gasoline Blending Component Adjustment

Prior to 1993, the EIA published a "product supplied" for motor gasoline blending components. Since these compo-

nents are to be blended into finished motor gasoline, there is no actual demand for this intermediate product. The EIA corrected this series by including the quantity of "product supplied" for motor gasoline blending components with "other" finished motor gasoline. This change was accomplished in Tables 2 through 25 by adding product supplied for motor gasoline blending components to the column labeled field production of "other" motor gasoline, and subtracting it from the field production column for "motor gasoline blending components."

### Fuel Ethanol Stock Adjustment

Total end-of-month stocks of fuel ethanol are underreported in the PSRS because of the inability to collect data from downstream fuel ethanol motor gasoline blenders. Total stocks of fuel ethanol are assumed to be those reported by ethanol producers on the Form EIA-819M, "Monthly Oxygenate Telephone Report." The difference between the stocks reported on the EIA-819M and the stocks reported in the PSRS (from refiners, bulk terminal and pipeline operators) is added to the stocks shown for bulk terminals. If the stocks for the PSRS are higher than those reported on the EIA-819M, no adjustment is made.

## Note 9. 1994 Changes in the Petroleum Supply Monthly

Effective with January 1994 data, several enhancements were made to the tables in the *Petroleum Supply Monthly* to reflect changes in the petroleum industry and to provide more meaningful petroleum statistics. These changes primarily affect data reported for imports, exports, and product supplied.

- On December 31, 1992, Ecuador withdrew as a member of the Organization of Petroleum Exporting Countries (OPEC). As of January 1994, imports of petroleum from Ecuador now appear under imports from Non-OPEC sources. No revision was made to 1993 data. Countries have been realphabetized accordingly. This change is evident in Tables S3 and 35 through 44, 49 and 50.
- Exports data are now published for oxygenates and the sub-categories of finished motor gasoline (reformulated, oxygenated, and other) and distillate fuel oil (0.05% sulfur and under, and greater than 0.05% sulfur).
- Product supplied is now calculated for reformulated, oxygenated, and other finished motor gasoline as well as the sulfur categories of distillate fuel oil (0.05% sulfur and under, and greater than 0.05% sulfur).

**Table B2. Finished Motor Gasoline Product Supplied Adjustment, 1994 - Present  
(Thousand Barrels per Day)**

Item/Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg
<b>1994</b>													
Fuel Ethanol Adj.....	86	73	76	71	69	63	65	73	59	90	82	82	74
Motor Gas Blending ....	33	-7	27	58	51	82	98	98	81	-16	56	113	57
Product Supplied.....	6,980	7,275	7,395	7,564	7,644	7,922	7,884	7,975	7,615	7,548	7,464	7,924	7,601
<b>1995</b>													
Fuel Ethanol Adj.....	66	66	79	74	58	81	49	36	57	72	91	58	65
Motor Gas Blending ....	8	37	56	86	131	113	46	110	35	89	28	29	64
Product Supplied .....	7,163	7,481	7,788	7,651	7,894	8,220	7,888	8,187	7,786	7,781	7,866	7,742	7,789
<b>1996</b>													
Fuel Ethanol Adj.....	58	53	49	37	27	14	9	20	23	36	44	38	34
Motor Gas Blending ....	39	23	-16	14	5	66	2	-18	2	40	53	31	20
Product Supplied.....	7,254	7,552	7,729	7,869	7,998	8,089	8,135	8,216	7,641	8,038	7,875	7,775	7,849
<b>1997</b>													
Fuel Ethanol Adj.....	39	50	51	46	48	38	59	37	47	69	50	61	50
Motor Gas Blending ....	-20	61	-27	87	73	113	89	95	115	107	165	80	78
Product Supplied.....	7,301	7,668	7,796	8,064	8,139	8,288	8,496	8,233	8,023	8,141	7,965	8,065	8,017
<b>1998</b>													
Fuel Ethanol Adj.....	66	55	61	55	42	50	49	58	62	71	55	75	58
Motor Gas Blending ....	84	39	117	140	142	246	111	88	171	89	145	205	132
Product Supplied.....	7,618	7,711	8,004	8,312	8,279	8,520	8,680	8,568	8,310	8,378	8,167	8,451	8,253
<b>1999</b>													
Fuel Ethanol Adj.....	57	52	52	53	50	59	43	54	55	64	66	72	56
Motor Gas Blending ....	81	-13	20	134	46	214	192	128	102	214	156	165	120
Product Supplied.....	7,701	8,031	8,128	8,506	8,420	8,886	8,942	8,579	8,305	8,542	8,240	8,859	8,431
<b>2000</b>													
Fuel Ethanol Adj.....	62	44	62	62	76	30	89	73	66	74	73	76	66
Motor Gas Blending ....	231	166	171	122	187	93	73	112	115	96	56	269	141
Product Supplied.....	7,498	8,222	8,232	8,229	8,505	8,663	8,600	8,762	8,416	8,364	8,297	8,573	8,364
<b>2001</b>													
Fuel Ethanol Adj.....	89	73	65	63	70	69	63	49	78	94	63	59	70
Motor Gas Blending ....	362	173	340	310	209	196	253	273	170	187	165	255	242
Product Supplied.....	8,064	8,203	8,479	8,546	8,718	8,722	8,974	8,938	8,564	8,610	8,603	8,582	8,586

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

Source: • Fuel Ethanol Adjustment — 1994 -2000, Energy Information Administration (EIA), *Petroleum Supply Annual* (PSA), Volumes I and II (Table 3, Motor gasoline field production minus motor gasoline blending component field production); 2001 —, EIA, *Petroleum Supply Monthly* (PSM), (Table 4). • Motor Gasoline Blending Component Adjustment — 1994 - 2000, EIA, *PSA*, Volumes I and II (Table 3; Motor gasoline blending component field adjustment) 2001 —, EIA, *PSM* (Table 4).

**Table C1. Impact of Resubmissions on Major Series, 2001**  
(Thousand Barrels per Day, Except Where Noted)

Product	January		February		March		April		May		June	
	PSM Value	Difference										
<b>Inputs.....</b>	<b>15,490</b>	<b>43</b>	<b>15,550</b>	<b>29</b>	<b>15,619</b>	<b>46</b>	<b>16,661</b>	<b>-1</b>	<b>17,005</b>	<b>11</b>	<b>17,175</b>	<b>-5</b>
Crude Oil .....	14,797	-6	14,813	(s)	14,643	6	15,537	1	15,766	-3	15,651	-2
Pentanes Plus .....	112	(s)	105	3	108	0	129	0	120	0	137	0
LPGs .....	259	3	255	2	206	0	205	0	215	(s)	196	0
Ethane/Ethylene .....	0	0	0	0	0	0	0	0	0	0	0	0
Propane/Propylene .....	0	0	0	0	0	0	0	0	0	0	0	0
Normal Butane/Butylene .....	174	3	162	2	98	0	69	0	70	(s)	65	(s)
Isobutane/Isobutylene .....	85	0	93	(s)	108	0	137	0	146	(s)	131	(s)
Oth Hydrocbns/Oxygenates .....	308	17	318	16	357	21	379	18	367	19	371	9
Unfinished Oils .....	235	3	128	-2	292	1	433	(s)	533	2	647	-4
Motor Gas. Blend. Comp.....	-217	27	-65	10	17	19	-23	-21	9	-8	175	-8
Aviation Gas. Blend. Comp .....	-4	(s)	-4	0	-3	0	1	0	-4	0	-4	0
<b>Production .....</b>	<b>18,162</b>	<b>41</b>	<b>18,599</b>	<b>43</b>	<b>18,731</b>	<b>37</b>	<b>19,789</b>	<b>-18</b>	<b>20,276</b>	<b>-14</b>	<b>20,376</b>	<b>-20</b>
Pentanes Plus .....	245	5	278	1	285	(s)	292	(s)	310	(s)	318	(s)
LPGs .....	1,626	3	1,977	13	2,214	-5	2,380	-11	2,489	-14	2,424	-14
Ethane/Ethylene .....	463	(s)	644	8	708	(s)	701	(s)	745	(s)	722	2
Propane/Propylene .....	945	2	1,031	14	1,069	(s)	1,106	1	1,117	(s)	1,088	(s)
Normal Butane/Butylene .....	68	-3	121	-10	247	-6	373	-12	393	-13	410	-16
Isobutane/Isobutylene .....	150	3	181	1	190	(s)	200	0	233	-1	204	0
Oth Hydrocbns/Oxygenates .....	246	8	309	12	329	16	289	20	320	22	317	5
Motor Gas Blend. Comp.....	-362	62	-173	3	-340	5	-310	-4	-209	-20	-196	-42
Finished Motor Gasoline .....	7,903	-25	7,781	21	7,963	22	8,447	-23	8,648	0	8,625	33
Reformulated.....	2,375	54	2,422	49	2,459	56	2,678	-11	2,751	-4	2,735	0
Oxygenated.....	1,055	-88	886	-89	779	-88	703	-53	750	-54	745	0
Other .....	4,473	9	4,472	61	4,724	54	5,066	41	5,146	57	5,144	33
Finished Aviation Gasoline....	17	0	16	0	16	(s)	22	0	20	0	19	0
Jet Fuel .....	1,508	-1	1,497	(s)	1,513	(s)	1,547	(s)	1,620	(s)	1,638	-1
Naphtha-Type Jet.....	(s)	0	(s)	0	(s)	0	1	0	(s)	0	(s)	0
Kerosene-Type Jet.....	1,508	-1	1,497	(s)	1,513	(s)	1,546	(s)	1,619	(s)	1,637	-1
Kerosene .....	108	(s)	81	0	69	(s)	52	(s)	51	0	66	0
Distillate Fuel Oil .....	3,606	4	3,621	-8	3,487	1	3,651	(s)	3,656	-2	3,702	(s)
Residual Fuel Oil.....	815	-6	743	(s)	749	1	817	(s)	786	-1	783	(s)
Naphtha Pet. Feedstock.....	147	28	162	2	166	-4	157	0	144	0	157	0
Other Oils Pet. Feedstock .....	175	0	202	-3	181	0	179	0	164	0	146	0
Special Naphthas .....	90	-36	55	(s)	55	(s)	56	(s)	45	(s)	53	0
Lubricants.....	168	0	172	0	170	2	183	(s)	176	0	185	0
Waxes .....	14	0	18	0	19	0	19	0	20	0	19	0
Petroleum Coke .....	773	0	754	0	752	0	790	0	783	0	778	0
Asphalt and Road Oil .....	356	0	386	0	404	1	459	(s)	493	0	579	0
Still Gas .....	667	(s)	657	(s)	643	(s)	699	(s)	704	(s)	705	(s)
Miscellaneous Products .....	60	(s)	65	(s)	57	(s)	57	0	57	0	60	0
<b>Imports .....</b>	<b>12,118</b>	<b>359</b>	<b>11,462</b>	<b>136</b>	<b>11,942</b>	<b>128</b>	<b>12,311</b>	<b>206</b>	<b>12,243</b>	<b>194</b>	<b>11,499</b>	<b>180</b>
Crude Oil .....	8,791	147	8,484	101	9,477	99	9,821	197	9,655	172	8,901	165
Pentanes Plus .....	40	32	74	0	60	0	63	0	55	0	23	0
LPGs .....	247	102	263	(s)	203	(s)	205	0	170	0	235	(s)
Ethane/Ethylene .....	7	0	5	0	4	0	4	0	4	0	4	0
Propane/Propylene .....	213	99	222	0	151	0	105	0	80	0	103	(s)
Normal Butane/Butylene .....	24	3	28	(s)	32	(s)	63	0	52	0	93	0
Isobutane/Isobutylene .....	3	0	8	(s)	15	(s)	33	0	34	0	35	(s)
Oth Hydrocbns/Oxygenates .....	86	5	48	5	66	4	81	0	88	0	104	0
Unfinished Oils .....	264	137	309	39	277	93	186	131	219	139	249	113
Motor Gas. Blend. Comp.....	251	2	277	6	276	15	317	3	324	8	372	0
Aviation Gas. Blend. Comp .....	0	0	0	0	0	0	0	0	0	0	0	0
Finished Motor Gasoline .....	473	45	400	-6	358	-12	458	-3	456	17	490	0
Reformulated.....	212	0	189	-6	163	-12	187	-3	218	10	289	0
Oxygenated.....	0	0	0	0	0	0	4	0	1	0	0	0
Other .....	262	45	210	0	195	0	268	0	237	7	201	0
Finished Aviation Gasoline....	5	0	9	0	(s)	0	(s)	0	1	0	1	0
Jet Fuel .....	238	3	222	8	145	0	153	0	181	-7	161	0
Naphtha-Type Jet.....	0	0	0	0	0	0	0	0	0	0	0	0
Kerosene-Type Jet.....	238	3	222	8	145	0	153	0	181	-7	161	0
Kerosene .....	29	0	5	0	5	0	7	0	(s)	0	1	0
Distillate Fuel Oil .....	778	2	668	0	343	6	302	-7	330	0	311	(s)
Residual Fuel Oil.....	512	-117	423	-18	375	-78	402	-118	449	-136	415	-102
Naphtha Pet. Feedstock.....	202	0	119	0	113	0	89	0	76	0	30	0
Other Oils Pet. Feedstock .....	146	0	122	0	190	0	176	0	160	0	159	0
Special Naphthas .....	8	0	4	0	10	0	6	0	39	0	3	2
Lubricants.....	10	0	12	1	9	0	10	0	6	0	17	0
Waxes .....	2	0	4	0	2	0	2	0	4	0	3	0
Petroleum Coke .....	(s)	0	1	0	1	0	(s)	0	(s)	0	0	0
Asphalt and Road Oil .....	34	(s)	20	(s)	31	(s)	33	2	28	(s)	26	(s)
Miscellaneous Products .....	(s)	1	1	0	1	0	1	2	2	0	(s)	(s)

(s) = Less than 500 barrels per day.

Note: Volumes indicate cumulative changes resulting from resubmissions received for that month as of the date of this publication. • Totals may not equal sum of components due to independent rounding.

**Table C1. Impact of Resubmissions on Major Series, 2001 (Continued)**

(Thousand Barrels per Day, Except Where Noted)

Product	July		August		September		October		November		December		Year to Date
	PSM Value	Difference	PSM Value	Difference	PSM Value	Difference	Average Difference						
<b>Inputs</b> .....	<b>16,898</b>	<b>37</b>	<b>16,555</b>	<b>-8</b>	<b>16,302</b>	<b>-64</b>	<b>16,270</b>	<b>16</b>	—	—	—	—	<b>11</b>
Crude Oil .....	15,364	5	15,267	-8	15,055	-59	15,001	1	—	—	—	—	-6
Pentanes Plus .....	144	0	133	0	169	0	162	0	—	—	—	—	(s)
LPGs .....	194	0	188	-3	222	(s)	250	0	—	—	—	—	(s)
Ethane/Ethylene .....	0	0	0	0	0	0	0	0	—	—	—	—	0
Propane/Propylene .....	0	0	0	0	0	0	0	0	—	—	—	—	0
Normal Butane/Butylene .....	63	0	66	0	102	0	141	0	—	—	—	—	(s)
Isobutane/Isobutylene .....	130	0	122	-3	121	(s)	108	0	—	—	—	—	(s)
Oth Hydrocbrns/Oxygenates ...	366	10	356	10	397	-23	375	1	—	—	—	—	10
Unfinished Oils .....	704	-6	471	-5	478	12	420	(s)	—	—	—	—	(s)
Motor Gas. Blend. Comp .....	129	28	140	-2	-14	6	64	15	—	—	—	—	7
Aviation Gas. Blend. Comp .....	-3	0	(s)	0	-6	0	-3	0	—	—	—	—	(s)
<b>Production</b> .....	<b>20,132</b>	<b>32</b>	<b>19,741</b>	<b>3</b>	<b>19,631</b>	<b>-75</b>	<b>19,658</b>	<b>38</b>	—	—	—	—	<b>7</b>
Pentanes Plus .....	325	(s)	334	(s)	332	(s)	317	(s)	—	—	—	—	1
LPGs .....	2,402	(s)	2,441	-3	2,353	-6	2,234	-16	—	—	—	—	-5
Ethane/Ethylene .....	715	0	738	(s)	790	1	808	-2	—	—	—	—	1
Propane/Propylene .....	1,098	(s)	1,110	(s)	1,149	-5	1,131	3	—	—	—	—	1
Normal Butane/Butylene .....	387	(s)	381	(s)	210	-2	102	-17	—	—	—	—	-8
Isobutane/Isobutylene .....	202	(s)	213	-3	204	(s)	192	(s)	—	—	—	—	(s)
Oth Hydrocbrns/Oxygenates ...	347	6	319	10	336	-22	302	10	—	—	—	—	9
Motor Gas Blend. Comp .....	-253	20	-273	(s)	-170	1	-187	16	—	—	—	—	4
Finished Motor Gasoline .....	8,428	7	8,265	(s)	8,383	-26	8,410	15	—	—	—	—	2
Reformulated .....	2,586	29	2,475	0	2,478	0	2,651	22	—	—	—	—	19
Oxygenated .....	695	-29	546	2	876	(s)	1,054	-12	—	—	—	—	-41
Other .....	5,147	6	5,245	-2	5,029	-26	4,705	4	—	—	—	—	24
Finished Aviation Gasoline .....	19	0	22	0	15	0	19	0	—	—	—	—	(s)
Jet Fuel .....	1,633	0	1,597	0	1,419	1	1,459	-1	—	—	—	—	(s)
Naphtha-Type Jet .....	(s)	0	(s)	0	(s)	0	(s)	0	—	—	—	—	0
Kerosene-Type Jet .....	1,633	0	1,597	0	1,419	1	1,459	-1	—	—	—	—	(s)
Kerosene .....	68	0	78	0	72	-2	79	0	—	—	—	—	(s)
Distillate Fuel Oil .....	3,838	(s)	3,653	(s)	3,637	-15	3,788	8	—	—	—	—	-1
Residual Fuel Oil .....	639	0	622	0	656	-3	699	11	—	—	—	—	(s)
Naphtha Pet. Feedstock .....	151	0	152	0	151	(s)	171	0	—	—	—	—	3
Other Oils Pet. Feedstock .....	158	0	171	0	170	(s)	162	-4	—	—	—	—	-1
Special Naphthas .....	52	0	48	-1	49	0	47	1	—	—	—	—	-4
Lubricants .....	172	-1	180	-4	170	1	179	-1	—	—	—	—	(s)
Waxes .....	17	0	22	(s)	17	1	18	-1	—	—	—	—	(s)
Petroleum Coke .....	769	(s)	753	0	744	-2	752	0	—	—	—	—	(s)
Asphalt and Road Oil .....	614	(s)	614	0	571	-1	504	0	—	—	—	—	(s)
Still Gas .....	696	(s)	683	0	671	-2	644	0	—	—	—	—	(s)
Miscellaneous Products .....	58	(s)	59	0	55	0	61	0	—	—	—	—	(s)
<b>Imports</b> .....	<b>11,576</b>	<b>87</b>	<b>11,318</b>	<b>270</b>	<b>11,498</b>	<b>162</b>	<b>11,149</b>	<b>105</b>	—	—	—	—	<b>183</b>
Crude Oil .....	9,406	79	9,092	264	9,054	184	9,077	92	—	—	—	—	150
Pentanes Plus .....	6	0	6	0	6	0	38	0	—	—	—	—	3
LPGs .....	116	3	161	1	183	-22	180	(s)	—	—	—	—	9
Ethane/Ethylene .....	4	0	4	0	4	0	4	0	—	—	—	—	0
Propane/Propylene .....	89	2	95	0	115	-23	146	0	—	—	—	—	8
Normal Butane/Butylene .....	18	0	44	1	55	(s)	28	(s)	—	—	—	—	(s)
Isobutane/Isobutylene .....	4	(s)	17	(s)	9	(s)	2	(s)	—	—	—	—	(s)
Oth Hydrocbrns/Oxygenates ...	83	4	75	0	90	0	73	0	—	—	—	—	2
Unfinished Oils .....	263	134	241	143	229	139	193	64	—	—	—	—	114
Motor Gas Blend. Comp .....	247	3	314	0	333	2	244	0	—	—	—	—	4
Aviation Gas. Blend. Comp .....	0	0	0	0	0	0	0	0	—	—	—	—	0
Finished Motor Gasoline .....	446	-3	415	0	538	-2	417	2	—	—	—	—	4
Reformulated .....	206	-5	184	0	241	-2	224	0	—	—	—	—	-2
Oxygenated .....	0	0	0	0	11	0	0	0	—	—	—	—	0
Other .....	240	2	231	0	286	0	192	2	—	—	—	—	6
Finished Aviation Gasoline .....	1	0	1	0	(s)	0	1	0	—	—	—	—	0
Jet Fuel .....	129	0	123	0	162	4	53	10	—	—	—	—	2
Naphtha-Type Jet .....	0	0	0	0	0	0	0	0	—	—	—	—	0
Kerosene-Type Jet .....	129	0	123	0	162	4	53	10	—	—	—	—	2
Kerosene .....	(s)	0	4	0	2	0	1	0	—	—	—	—	0
Distillate Fuel Oil .....	250	-17	215	0	346	0	282	2	—	—	—	—	-1
Residual Fuel Oil .....	415	-116	412	-137	343	-143	263	-65	—	—	—	—	-104
Naphtha Pet. Feedstock .....	14	0	87	0	79	0	129	0	—	—	—	—	0
Other Oils Pet. Feedstock .....	156	0	126	0	90	0	142	0	—	—	—	—	0
Special Naphthas .....	11	(s)	9	0	9	(s)	16	0	—	—	—	—	(s)
Lubricants .....	5	0	5	0	6	0	4	0	—	—	—	—	(s)
Waxes .....	2	0	2	0	3	0	2	0	—	—	—	—	0
Petroleum Coke .....	0	0	0	0	0	0	0	0	—	—	—	—	0
Asphalt and Road Oil .....	26	(s)	29	(s)	25	0	33	0	—	—	—	—	(s)
Miscellaneous Products .....	(s)	0	(s)	0	(s)	0	(s)	0	—	—	—	—	(s)

(s) = Less than 500 barrels per day.

Note: Volumes indicate cumulative changes resulting from resubmissions received for that month as of the date of this publication. • Totals may not equal sum of components due to independent rounding.

**Table C1. Impact of Resubmissions on Major Series, 2001 (Continued)**

(Thousand Barrels per Day, Except Where Noted)

Product	January		February		March		April		May		June	
	PSM Value	Difference	PSM Value	Difference	PSM Value	Difference	PSM Value	Difference	PSM Value	Difference	PSM Value	Difference
<b>Stocks (Thousand Barrels) ....</b>	<b>1,477,451</b>	<b>-3,007</b>	<b>1,470,783</b>	<b>-1,985</b>	<b>1,477,434</b>	<b>2,578</b>	<b>1,517,001</b>	<b>955</b>	<b>1,552,762</b>	<b>-525</b>	<b>1,558,500</b>	<b>1,469</b>
Crude Oil (excl. SPR) .....	294,196	-2,155	280,425	-65	304,459	2,242	325,386	3,080	325,626	983	305,584	736
Pentanes Plus.....	4,977	-74	5,432	-277	7,370	-74	7,805	-72	8,290	14	8,335	16
LPGs.....	63,504	-1,147	59,894	-1,672	60,720	-167	69,590	-284	91,518	40	108,448	716
Ethane/Ethylene .....	15,949	-503	18,302	-824	18,399	-42	16,315	-45	18,765	25	19,483	28
Propane/Propylene .....	28,915	-370	24,425	-338	23,477	-71	30,493	-131	43,355	-18	54,004	-139
Normal Butane/Butylene.....	12,768	-6	11,232	-263	12,472	-11	16,443	-73	21,919	8	27,616	757
Isobutane/Isobutylene.....	5,872	-268	5,935	-247	6,372	-43	6,339	-35	7,479	25	7,345	70
Oth Hydrocbrns/Oxygenates...	11,760	21	12,097	28	12,465	-14	11,674	37	11,837	133	12,390	6
Unfinished Oils .....	91,601	-48	96,960	9	101,516	-17	99,726	8	96,440	-12	93,167	95
Motor Gas. Blend. Comp .....	46,143	726	50,617	694	47,821	720	48,434	1,295	51,211	1,158	50,966	139
Aviation Gas. Blend. Comp....	189	0	182	0	123	0	80	0	140	0	235	0
Finished Motor Gasoline .....	159,407	-251	155,192	-284	145,821	-780	152,302	-1,597	161,098	-948	169,088	280
Reformulated .....	41,470	142	40,635	-150	36,875	-64	40,908	-1,017	45,383	-918	49,716	466
Oxygenated .....	559	-105	553	-233	1,093	-219	895	-128	781	0	961	0
Other.....	117,378	-288	114,004	99	107,853	-497	110,499	-452	114,934	-30	118,411	-186
Finished Aviation Gasoline ....	1,427	3	1,494	0	1,493	0	1,664	0	1,566	0	1,489	0
Jet Fuel.....	43,677	-52	42,459	-3	39,636	711	40,692	-221	42,290	-34	43,067	87
Naphtha-Type Jet .....	118	14	31	9	27	7	30	4	104	9	114	0
Kerosene-Type Jet .....	43,559	-66	42,428	-12	39,609	704	40,662	-225	42,186	-43	42,953	87
Kerosene .....	4,728	-26	4,670	-13	3,145	-5	2,903	3	3,275	-132	3,478	-8
Distillate Fuel Oil .....	118,202	-111	117,217	-289	104,960	-32	105,046	-177	107,427	-408	114,357	-550
Residual Fuel Oil .....	37,088	85	38,368	44	39,114	-84	40,727	-1,092	42,403	-1,324	42,749	-22
Naphtha Pet. Feedstock .....	2,972	0	2,709	73	3,259	0	2,902	1	3,077	0	3,566	0
Other Oils Pet. Feedstock.....	1,725	0	2,255	-83	2,044	0	2,198	0	2,200	0	1,752	0
Special Naphthas.....	2,030	-48	2,179	-49	2,063	1	2,187	2	1,848	3	1,922	0
Lubricants .....	12,137	0	12,185	14	11,740	-20	11,719	-2	11,566	0	11,741	0
Waxes.....	901	0	923	0	951	0	947	0	956	0	979	0
Petroleum Coke .....	9,387	0	10,198	0	9,556	0	10,229	0	10,014	0	9,249	0
Asphalt and Road Oil .....	28,579	95	32,409	-93	35,695	117	37,274	-10	35,496	26	31,416	0
Miscellaneous Products.....	1,146	-25	1,241	-19	1,193	-20	1,166	-16	1,214	-24	1,252	-26
<b>Product Supplied .....</b>	<b>19,900</b>	<b>173</b>	<b>19,597</b>	<b>87</b>	<b>19,892</b>	<b>-48</b>	<b>19,591</b>	<b>77</b>	<b>19,491</b>	<b>-26</b>	<b>19,608</b>	<b>-77</b>
Crude Oil.....	0	0	0	0	0	0	0	0	0	0	0	0
Pentanes Plus.....	179	39	229	5	173	-7	211	(s)	229	-3	197	(s)
LPGs.....	2,186	106	2,055	30	2,152	-54	2,049	-7	1,705	-25	1,843	-37
Ethane/Ethylene .....	497	3	565	19	709	-25	774	(s)	670	-2	702	2
Propane/Propylene .....	1,499	106	1,372	13	1,229	-9	959	3	767	-3	804	4
Normal Butane/Butylene.....	116	-9	24	-2	131	-14	219	-10	183	-16	224	-41
Isobutane/Isobutylene.....	74	6	94	1	83	-6	97	(s)	85	-3	113	-1
Unfinished Oils.....	-116	135	-11	39	-162	93	-187	132	-208	138	-289	113
Aviation Gas. Blend. Comp....	7	(s)	5	0	5	0	(s)	0	3	0	(s)	0
Finished Motor Gasoline .....	8,064	10	8,203	17	8,479	26	8,546	1	8,718	-4	8,722	-8
Reformulated .....	2,596	54	2,632	54	2,729	41	2,730	18	2,819	3	2,878	-46
Oxygenated .....	1,059	-92	886	-84	761	-88	713	-56	755	-58	739	0
Other.....	4,410	48	4,685	47	4,989	73	5,102	40	5,145	50	5,104	38
Finished Aviation Gasoline ....	18	(s)	22	(s)	16	(s)	17	0	24	0	22	0
Jet Fuel.....	1,746	5	1,744	7	1,708	-23	1,648	32	1,733	-12	1,754	-5
Naphtha-Type Jet .....	(s)	(s)	1	(s)	(s)	(s)	1	(s)	-2	(s)	(s)	(s)
Kerosene-Type Jet .....	1,747	5	1,743	7	1,708	-23	1,648	31	1,735	-12	1,755	-5
Kerosene .....	116	(s)	84	(s)	121	(s)	62	(s)	39	4	60	-4
Distillate Fuel Oil.....	4,281	9	4,208	-2	4,124	-1	3,811	-2	3,727	6	3,615	5
0.05% & under .....	2,700	8	2,568	10	2,623	-8	2,687	-3	2,750	-21	2,640	3
Greater than 0.05% .....	1,581	1	1,639	-12	1,501	6	1,124	(s)	977	27	975	2
Residual Fuel Oil .....	1,151	-120	950	-17	934	-73	1,005	-85	958	-129	1,001	-145
Naphtha Pet. Feedstock .....	341	29	290	(s)	261	-2	257	(s)	214	(s)	171	0
Other Oils Pet. Feedstock.....	324	0	305	(s)	378	-3	350	0	323	0	320	0
Special Naphthas.....	84	-36	41	(s)	47	-1	39	(s)	75	(s)	17	3
Lubricants .....	149	0	161	(s)	169	3	150	-1	165	(s)	177	0
Waxes.....	17	0	18	0	16	0	18	0	20	0	16	0
Petroleum Coke .....	353	0	311	0	447	0	421	0	430	0	482	0
Asphalt and Road Oil .....	274	-4	263	7	320	-6	436	6	576	-1	737	1
Still Gas .....	667	(s)	657	(s)	643	(s)	699	(s)	704	(s)	705	(s)
Miscellaneous Products.....	59	1	62	(s)	59	(s)	59	2	57	(s)	58	1

(s) = Less than 500 barrels per day.

Note: Volumes indicate cumulative changes resulting from resubmissions received for that month as of the date of this publication. • Totals may not equal sum of components due to independent rounding.

**Table C1. Impact of Resubmissions on Major Series, 2001 (Continued)**

(Thousand Barrels per Day, Except Where Noted)

Product	July		August		September		October		November		December		Year to Date
	PSM Value	Difference	PSM Value	Difference	PSM Value	Difference	PSM Value	Difference	PSM Value	Difference	PSM Value	Difference	Average Difference
<b>Stocks (Thousand Barrels).....</b>	<b>1,564,714</b>	<b>110</b>	<b>1,545,248</b>	<b>-652</b>	<b>1,574,901</b>	<b>998</b>	<b>1,575,603</b>	<b>1,589</b>	—	—	—	—	<b>153</b>
Crude Oil (excl. SPR) .....	310,991	-59	305,863	-71	307,016	439	311,469	-141	—	—	—	—	499
Pentanes Plus .....	9,036	-40	9,170	-9	9,082	-4	7,157	5	—	—	—	—	-52
LPGs .....	120,018	104	133,665	76	138,678	89	139,270	560	—	—	—	—	-169
Ethane/Ethylene .....	20,237	4	20,543	-12	22,192	4	24,410	-15	—	—	—	—	-138
Propane/Propylene .....	59,274	68	65,334	94	67,001	85	68,065	536	—	—	—	—	-28
Normal Butane/Butylene .....	33,420	42	40,026	-2	41,682	-3	39,445	38	—	—	—	—	49
Isobutane/Isobutylene .....	7,087	-10	7,762	-4	7,803	3	7,350	1	—	—	—	—	-51
Oth Hydrocbns/Oxygenates ...	13,199	-2	13,493	13	13,787	19	13,128	293	—	—	—	—	53
Unfinished Oils .....	89,704	110	90,308	254	93,057	-21	92,207	5	—	—	—	—	38
Motor Gas. Blend. Comp .....	46,403	-44	42,873	0	47,941	-104	47,620	-64	—	—	—	—	452
Aviation Gas. Blend. Comp ...	179	0	94	0	252	0	219	0	—	—	—	—	0
Finished Motor Gasoline .....	161,962	46	150,343	20	157,615	229	159,508	545	—	—	—	—	-274
Reformulated .....	48,574	-15	40,258	0	40,970	0	43,599	285	—	—	—	—	-127
Oxygenated .....	1,054	0	1,063	0	571	0	404	0	—	—	—	—	-69
Other .....	112,334	61	109,022	20	116,074	229	115,505	260	—	—	—	—	-78
Finished Aviation Gasoline .....	1,391	0	1,334	0	1,339	0	1,471	0	—	—	—	—	(s)
Jet Fuel .....	42,453	1	41,683	-37	42,872	-79	40,379	-40	—	—	—	—	33
Naphtha-Type Jet .....	29	0	118	0	65	0	23	0	—	—	—	—	4
Kerosene-Type Jet .....	42,424	1	41,565	-37	42,807	-79	40,356	-40	—	—	—	—	29
Kerosene .....	3,784	0	3,774	1	4,632	91	6,242	2	—	—	—	—	-9
Distillate Fuel Oil .....	125,097	9	121,961	-65	126,547	272	128,614	261	—	—	—	—	-109
Residual Fuel Oil .....	39,131	-30	35,606	-591	37,140	44	37,934	272	—	—	—	—	-270
Naphtha Pet. Feedstock .....	2,564	0	2,474	0	2,450	-4	2,693	0	—	—	—	—	7
Other Oils Pet. Feedstock .....	1,850	0	1,619	0	1,658	0	1,692	-111	—	—	—	—	-19
Special Naphthas .....	1,922	0	1,785	-36	1,836	-1	1,847	33	—	—	—	—	-10
Lubricants .....	11,699	5	11,620	-151	11,412	16	12,077	-34	—	—	—	—	-17
Waxes .....	997	0	1,048	0	980	35	858	3	—	—	—	—	4
Petroleum Coke .....	9,380	0	8,290	0	9,289	0	8,237	0	—	—	—	—	0
Asphalt and Road Oil .....	28,153	10	23,258	-56	21,129	-24	16,521	0	—	—	—	—	7
Miscellaneous Products .....	1,067	0	1,253	0	1,429	1	1,251	0	—	—	—	—	-13
<b>Product Supplied .....</b>	<b>19,884</b>	<b>26</b>	<b>20,085</b>	<b>33</b>	<b>19,082</b>	<b>-128</b>	<b>19,651</b>	<b>-3</b>	—	—	—	—	<b>11</b>
Crude Oil .....	0	0	0	0	0	0	0	0	—	—	—	—	0
Pentanes Plus .....	163	2	199	-1	171	(s)	254	0	—	—	—	—	4
LPGs .....	1,900	23	1,940	1	2,111	-28	2,108	-31	—	—	—	—	-2
Ethane/Ethylene .....	695	1	732	1	739	0	741	-2	—	—	—	—	-1
Propane/Propylene .....	975	-4	982	-1	1,181	-27	1,216	-12	—	—	—	—	7
Normal Butane/Butylene .....	145	24	140	2	100	-1	50	-18	—	—	—	—	-8
Isobutane/Isobutylene .....	84	2	86	(s)	91	1	100	(s)	—	—	—	—	(s)
Unfinished Oils .....	-330	140	-249	143	-341	140	-200	63	—	—	—	—	114
Aviation Gas. Blend. Comp ...	5	0	2	0	1	0	4	0	—	—	—	—	(s)
Finished Motor Gasoline .....	8,974	11	8,938	1	8,564	-34	8,610	7	—	—	—	—	3
Reformulated .....	2,829	40	2,921	(s)	2,694	-2	2,785	13	—	—	—	—	17
Oxygenated .....	692	-29	545	2	903	(s)	1,060	-12	—	—	—	—	-41
Other .....	5,453	(s)	5,472	-1	4,966	-33	4,765	6	—	—	—	—	27
Finished Aviation Gasoline .....	23	0	25	0	15	0	16	0	—	—	—	—	(s)
Jet Fuel .....	1,758	3	1,721	1	1,521	6	1,561	7	—	—	—	—	2
Naphtha-Type Jet .....	3	0	-3	0	2	0	2	0	—	—	—	—	0
Kerosene-Type Jet .....	1,755	3	1,724	1	1,519	6	1,560	7	—	—	—	—	2
Kerosene .....	56	(s)	82	(s)	45	-5	20	3	—	—	—	—	(s)
Distillate Fuel Oil .....	3,580	-35	3,754	3	3,629	-27	3,850	11	—	—	—	—	-3
0.05% & under .....	2,651	12	2,843	3	2,664	-21	2,823	7	—	—	—	—	-1
Greater than 0.05% .....	929	-47	910	(s)	965	-6	1,027	4	—	—	—	—	-2
Residual Fuel Oil .....	1,057	-115	974	-119	823	-167	840	-62	—	—	—	—	-104
Naphtha Pet. Feedstock .....	197	0	243	0	230	(s)	292	(s)	—	—	—	—	3
Other Oils Pet. Feedstock .....	311	0	304	0	259	(s)	303	0	—	—	—	—	(s)
Special Naphthas .....	38	(s)	30	(s)	42	-1	32	(s)	—	—	—	—	-4
Lubricants .....	155	-1	161	1	163	-5	131	1	—	—	—	—	(s)
Waxes .....	16	0	19	(s)	18	0	19	(s)	—	—	—	—	(s)
Petroleum Coke .....	482	(s)	412	0	449	-2	420	0	—	—	—	—	(s)
Asphalt and Road Oil .....	741	(s)	794	2	662	-2	680	-1	—	—	—	—	(s)
Still Gas .....	696	(s)	683	0	671	-2	644	0	—	—	—	—	(s)
Miscellaneous Products .....	64	-1	53	0	49	(s)	67	(s)	—	—	—	—	(s)

(s) = Less than 500 barrels per day.

Note: Volumes indicate cumulative changes resulting from resubmissions received for that month as of the date of this publication. • Totals may not equal sum of components due to independent rounding.

# EIA-819M

## Monthly Oxygenate Telephone Report

The EIA-819M, "Monthly Oxygenate Telephone Report," provides production data and preliminary stock data for fuel ethanol and methyl tertiary butyl ether (MTBE) in the United States and major U.S. geographic regions. Data are collected from a sample of respondents reporting on the Monthly Petroleum Supply Reporting System surveys and from the universe of oxygenate producers. Refer to Appendix B, Explanatory Note 2 for further detail. Final data on stocks of fuel ethanol and MTBE are presented in the Detailed Statistics section. The quantity of oxygenates blended into motor gasoline previously published in this appendix is now presented in Appendix B, Table B2.

**Table D1. U.S. Summary, January 2002**

Products	January 2002		December 2001		Year-to-Date	
	Thousand Barrels	Thousand Barrels per Day	Thousand Barrels	Thousand Barrels per Day	Thousand Barrels	Thousand Barrels per Day
<b>Fuel Ethanol</b>						
Production.....	3,974	128	3,836	124	3,974	128
Stocks .....	4,548	—	4,013	—	—	—
<b>MTBE</b>						
Production.....	5,532	178	6,134	198	5,532	178
Stocks .....	8,604	—	7,923	—	—	—

R = Revised data.

Source: Energy Information Administration (EIA) Form EIA-819M, "Monthly Oxygenate Telephone Report."

**Table D2. Monthly Fuel Ethanol Production and Stocks by Petroleum Administration  
for Defense Districts (PADD)**

(Thousand Barrels per Day, Except Where Noted)

District/Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>Total U.S.</b>												
<b>Production</b>												
2001	115	116	113	108	108	110	112	113	116	121	126	124
2002	128											
<b>Stocks (thous. bbls.)</b>												
2001	2,582	2,525	2,547	2,807	3,029	3,095	3,388	4,226	4,225	3,521	3,785	4,013
2002	4,548											
<b>East Coast (PADD I)</b>												
<b>Production</b>												
2001	W	W	W	W	W	W	W	W	W	W	W	W
2002	W											
<b>Stocks (thous. bbls.)</b>												
2001	270	225	176	175	151	130	137	409	397	281	288	356
2002	322											
<b>Midwest (PADD II)</b>												
<b>Production</b>												
2001	115	116	112	107	107	110	111	113	115	118	124	121
2002	126											
<b>Stocks (thous. bbls.)</b>												
2001	1,634	1,562	1,739	1,825	1,835	1,943	2,175	2,464	2,522	1,957	2,183	2,478
2002	2,877											
<b>Gulf Coast (PADD III)</b>												
<b>Production</b>												
2001	W	W	W	W	W	W	W	W	W	W	W	W
2002	W											
<b>Stocks (thous. bbls.)</b>												
2001	268	354	235	392	607	652	674	673	888	922	866	801
2002	887											
<b>Rocky Mountain (PADD IV)</b>												
<b>Production</b>												
2001	W	W	W	W	W	W	W	W	W	W	W	W
2002	W											
<b>Stocks (thous. bbls.)</b>												
2001	76	88	104	102	134	151	147	127	125	84	109	121
2002	127											
<b>West Coast (PADD V)</b>												
<b>Production</b>												
2001	W	W	W	W	W	W	W	W	W	W	W	W
2002	W											
<b>Stocks (thous. bbls.)</b>												
2001	335	295	293	313	302	219	256	553	292	278	339	257
2002	335											

R = Revised data.

W = Withheld to avoid disclosure of individual company data.

Note: • Geographic coverage is the 50 States and the District of Columbia. • Totals may not equal sum of components due to independent rounding.

Source: Energy Information Administration (EIA) Form EIA-819M, "Monthly Oxygenate Telephone Report."

**Table D3. Monthly Methyl Tertiary Butyl Ether (MTBE) Production and Stocks by Petroleum Administration for Defense Districts (PADD)**  
(Thousand Barrels per Day, Except Where Noted)

District/Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>Total U.S.</b>												
<b>Production</b>												
2001	148	193	213	236	232	234	222	219	213	225	216	198
2002	178											
<b>Stocks (thous. bbls.)</b>												
2001	7,891	7,938	8,439	7,947	7,824	7,959	8,354	7,406	7,493	8,125	8,059	7,923
2002	8,604											
<b>East Coast (PADD I)</b>												
<b>Production</b>												
2001	W	W	W	W	W	W	W	W	W	W	W	W
2002	W											
<b>Stocks (thous. bbls.)</b>												
2001	1,689	1,416	1,728	1,642	1,341	1,358	1,579	2,118	1,702	2,118	2,102	1,921
2002	2,414											
<b>Midwest (PADD II)</b>												
<b>Production</b>												
2001	W	W	W	W	W	W	W	W	W	W	W	W
2002	W											
<b>Stocks (thous. bbls.)</b>												
2001	W	W	W	W	W	W	W	W	W	W	W	W
2002	W											
<b>Gulf Coast (PADD III)</b>												
<b>Production</b>												
2001	128	170	187	206	202	203	194	188	183	196	191	177
2002	155											
<b>Stocks (thous. bbls.)</b>												
2001	3,541	3,571	4,585	4,010	3,883	3,896	3,569	2,907	3,652	4,228	3,710	3,516
2002	3,215											
<b>Rocky Mountain (PADD IV)</b>												
<b>Production</b>												
2001	W	W	W	W	W	W	W	W	W	W	W	W
2002	W											
<b>Stocks (thous. bbls.)</b>												
2001	W	W	W	W	W	W	W	W	W	W	W	W
2002	W											
<b>West Coast (PADD V)</b>												
<b>Production</b>												
2001	W	W	W	W	W	W	W	W	W	W	W	W
2002	W											
<b>Stocks (thous. bbls.)</b>												
2001	2,592	2,901	2,056	2,135	2,460	2,582	3,080	2,234	2,017	1,694	2,112	2,380
2002	2,756											

R = Revised data.

W = Withheld to avoid disclosure of individual company data.

Note: • Geographic coverage is the 50 States and the District of Columbia. • Totals may not equal sum of components due to independent rounding.

Source: Energy Information Administration (EIA) Form EIA-819M, "Monthly Oxygenate Telephone Report."

**Table D4. Monthly Methyl Tertiary Butyl Ether (MTBE) Production by Merchant and Captive Plants**  
(Thousand Barrels per Day, Except Where Noted)

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>Total U.S.</b>												
1992	0	94	89	79	90	90	101	91	104	118	128	125
1993	115	114	112	138	132	126	155	142	157	146	148	144
1994	123	140	129	140	139	115	154	166	160	164	150	144
1995	149	144	121	168	169	182	181	171	163	167	174	171
1996	173	172	182	183	194	202	197	179	186	187	183	184
1997	161	192	182	186	194	209	201	217	200	206	211	205
1998	188	176	201	209	195	204	220	217	210	202	220	221
1999	216	212	178	210	219	221	217	222	231	218	228	224
2000	202	207	213	223	233	242	223	226	209	210	192	160
2001	148	193	213	236	232	234	222	219	213	225	216	198
2002	178											
<b>Merchant Plants</b>												
1992	0	62	58	48	55	53	63	53	61	76	81	77
1993	63	66	67	87	75	70	89	79	87	76	81	75
1994	63	76	66	73	72	50	73	89	90	81	84	69
1995	76	68	61	86	85	91	90	88	79	90	97	92
1996	94	92	93	95	109	123	111	96	101	98	94	87
1997	72	106	99	92	93	104	106	113	99	108	109	108
1998	97	77	104	107	94	106	114	108	100	100	117	114
1999	105	111	83	114	114	110	102	104	110	111	118	110
2000	101	99	106	116	118	121	108	112	100	114	97	68
2001	50	89	101	115	114	112	107	102	99	116	109	101
2002	87											
<b>Captive Plants</b>												
1992	0	32	31	31	35	37	38	38	43	42	47	48
1993	52	48	45	50	57	55	67	62	70	70	67	69
1994	60	64	63	67	67	65	81	78	70	83	66	75
1995	73	76	60	83	84	91	91	83	84	76	78	79
1996	79	80	89	89	84	79	85	83	85	89	89	97
1997	89	86	83	94	102	105	95	104	101	98	102	97
1998	91	99	97	102	101	99	106	109	111	102	104	107
1999	110	101	94	97	104	111	114	118	120	107	110	114
2000	100	108	107	107	115	121	116	114	109	96	95	92
2001	98	104	112	121	118	122	115	117	114	109	107	96
2002	92											

R = Revised data.

Note: • Geographic coverage is the 50 States and the District of Columbia. • Totals may not equal sum of components due to independent rounding.

## Appendix E

# Northeast Heating Oil Reserve

On July 10, 2000, President Clinton directed the Department of Energy to establish the Northeast Heating Oil Reserve. The reserve is intended to reduce the risks presented by home heating oil shortages, such as the ones experienced in December 1996 and January-February 2000.

Maximum inventory of heating oil in the reserve will be two million barrels. The Department of Energy believes that a two-million-barrel reserve will provide relief from weather-related shortages for approximately ten days, which is the time for ships to bring heating oil from the Gulf of Mexico to New York Harbor. Inventory for the reserve was acquired by exchanging crude oil from the Strategic Petroleum Reserve for heating oil to be delivered to the storage facilities.

For more information on the Northeast Heating Oil Reserve, please contact Mr. Nathan Harvey from the Office of Petroleum Reserves at (202) 586-4734.

Northeast Heating Oil Reserve inventories classified as “Distillate Fuel Oil - Greater than 0.05 percent sulfur” are not considered to be in the commercial sector and therefore are excluded from distillate fuel oil supply and disposition statistics in Energy Information Administration publications, such as the *Weekly Petroleum Status Report*, *Petroleum Supply Monthly*, and the Distillate Watch.

### Northeast Heating Oil Reserve (Thousand Barrels)

<b>Terminal Operator</b>	<b>Location</b>	<b>Week Ending February 1, 2002</b>
First Reserve Terminal (Hess)	Woodbridge, NJ	1,000
Williams Energy Services (formerly Wyatt Morgan Stanley)	New Haven, CT	500
Motiva Enterprises LLC (Equiva)	New Haven, CT	350
Motiva Enterprises LLC (Equiva)	Providence, RI	150
<b>Total</b>		<b>2,000</b>

Source: Energy Information Administration.

# Definitions of Petroleum Products and Other Terms

(Revised)

**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.

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

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

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  $600^\circ$  to  $750^\circ$  F (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<sub>6</sub>H<sub>6</sub>).** 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.

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

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

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

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

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

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

**Butane (C<sub>4</sub>H<sub>10</sub>).** A normally gaseous straight-chain or branch-chain hydrocarbon extracted from natural gas or refinery gas streams. It includes isobutane and normal butane and is designated in ASTM Specification D1835 and Gas Processors Association Specifications for commercial butane.

**Isobutane (C<sub>4</sub>H<sub>10</sub>).** A normally gaseous branch-chain hydrocarbon. It is a colorless paraffinic gas that boils at

a temperature of 10.9° F. It is extracted from natural gas or refinery gas streams.

**Normal Butane (C<sub>4</sub>H<sub>10</sub>).** A normally gaseous straight-chain hydrocarbon. It is a colorless paraffinic gas that boils at a temperature of 31.1° F. It is extracted from natural gas or refinery gas streams.

**Butylene (C<sub>4</sub>H<sub>8</sub>).** 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 Gasoline.** See **Other Finished Motor Gasoline.**

**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, 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.

**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 (see **No. 1 Diesel Fuel**) or a fuel oil. See **No. 1 Fuel Oil**.

**No. 1 Diesel Fuel.** A light distillate fuel oil that has distillation temperatures of 550 degrees Fahrenheit at the 90-percent 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 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 (see **No. 2 Diesel Fuel**) or a fuel oil. See **No. 2 Fuel Oil**.

**No. 2 Diesel Fuel.** A fuel that has distillation temperatures of 500 degrees Fahrenheit at the 10-percent recovery point and 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 distillation temperatures of 400 degrees Fahrenheit at the 10-percent recovery point and 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 with 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) (CH<sub>3</sub>)<sub>3</sub>COC<sub>2</sub>H<sub>5</sub>.** An oxygenate blend stock formed by the catalytic etherification of isobutylene with ethanol.

**Ethane (C<sub>2</sub>H<sub>6</sub>).** A normally gaseous straight-chain hydrocarbon. It is a colorless paraffinic gas that boils at a temperature of -127.48° F. 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 (C<sub>2</sub>H<sub>4</sub>).** An olefinic hydrocarbon recovered from refinery processes or petrochemical processes.

**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 (C<sub>2</sub>H<sub>5</sub>OH).** An anhydrous denatured aliphatic alcohol 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.

**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<sup>o</sup> to 1000<sup>o</sup> F.

**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.** See **Butane**.

**Isobutylene (C<sub>4</sub>H<sub>8</sub>).** An olefinic hydrocarbon recovered from refinery processes or petrochemical processes.

**Isohexane (C<sub>6</sub>H<sub>14</sub>).** A saturated branch-chain hydrocarbon. It is a colorless liquid that boils at a temperature of 156.2<sup>o</sup> F.

**Isomerization.** A refining process which alters the fundamental arrangement of atoms in the molecule without adding or removing anything from the original material. Used to convert normal butane into isobutane (C<sub>4</sub>), an alkylation process feedstock, and normal pentane and hexane into isopentane (C<sub>5</sub>) and isohexane (C<sub>6</sub>), 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<sup>o</sup> F to 650<sup>o</sup> F.

**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.

**Lubricants.** Substances used to reduce friction between bearing surfaces or as process materials either incorporated into other materials used as processing aids in the manufacture of other products, or used as carriers of

other materials. Petroleum lubricants may be produced either from distillates or residues. Lubricants include all grades of lubricating oils from spindle oil to cylinder oil and those used in greases.

**Merchant Oxygenate Plants.** Oxygenate production facilities that are not associated with a petroleum refinery. Production from these facilities is sold under contract or on the spot market to refiners or other gasoline blenders.

**Methanol (CH<sub>3</sub>OH).** 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).

**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. *Note:* 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.

**Reformulated Gasoline.** Finished motor 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. *Note:* This category includes oxygenated fuels program reformulated gasoline (OPRG) but excludes reformulated gasoline blendstock for oxygenate blending (RBOB).

**Oxygenated Gasoline (Including Gasohol).** Finished motor gasoline, other than reformulated gasoline, having an oxygen content of 2.7 percent or higher by weight. Includes gasohol. *Note:* Oxygenated gasoline excludes oxygenated fuels program reformulated gaso-

line (OPRG) and reformulated gasoline blendstock for oxygenate blending (RBOB).

**OPRG (Oxygenated Fuels Program Reformulated Gasoline)**. A reformulated gasoline which is intended for use in an oxygenated fuels program control period.

**Other Finished or 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.

**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.

**MTBE (Methyl tertiary butyl ether) (CH<sub>3</sub>)<sub>3</sub>COCH<sub>3</sub>.** 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° and 400° F.

**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.

**Natural Gas.** A gaseous mixture of hydrocarbon compounds, the primary one being **methane**.

**Natural Gas Field Facility.** A field facility designed to process natural gas produced from more than one lease for the purpose of recovering condensate from a stream of natural gas; however, some field facilities are designed to recover propane, normal butane, pentanes plus, etc., and to control the quality of natural gas to be marketed.

**Natural Gas Liquids.** Those hydrocarbons in natural gas that are separated from the gas as liquids through the process of absorption, condensation, adsorption, or other methods in gas processing or cycling plants. Generally such liquids consist of propane and heavier hydrocarbons and are commonly referred to as lease condensate, natural gasoline, and liquefied petroleum gases. Natural gas liquids include natural gas plant liquids (primarily ethane, propane, butane, and isobutane; see **Natural Gas Plant Liquids**) and lease condensate (primarily pentanes produced from natural gas at lease separators and field facilities; see **Lease Condensate**).

**Natural Gas Plant Liquids.** Those hydrocarbons in natural gas that are separated as liquids at natural gas processing plants, fractionating and cycling plants, and, in some instances, field facilities. Lease condensate is excluded. Products obtained include ethane; liquefied petroleum gases (propane, butanes, propane-butane mixtures, ethane-propane mixtures); isopentane; and other small quantities of finished products, such as motor gasoline, special naphthas, jet fuel, kerosene, and distillate fuel oil.

**Natural Gas Processing Plant.** Facilities designed to recover natural gas liquids from a stream of natural gas that may or may not have passed through lease separators and/or field separation facilities. These facilities control the quality of the natural gas to be marketed. Cycling plants are classified as gas processing plants.

**Natural Gasoline and Isopentane.** A mixture of hydrocarbons, mostly pentanes and heavier, extracted from natural gas, that meets vapor pressure, end-point, and other specifications for natural gasoline set by the Gas Processors Association. Includes isopentane which is a saturated branch-chain hydrocarbon, (C<sub>5</sub>H<sub>12</sub>), obtained by fractionation of natural gasoline or isomerization of normal pentane.

**Net Receipts.** The difference between total movements into and total movements out of each PAD District by pipeline, tanker, and barge.

**Normal Butane.** See **Butane**.

**OPEC.** The acronym for the Organization of Petroleum Exporting Countries, that have organized for the purpose of negotiating with oil companies on matters of oil production, prices and future concession rights. Current

members are Algeria, Indonesia, Iran, Iraq, Kuwait, Libya, Nigeria, Qatar, Saudi Arabia, United Arab Emirates, and Venezuela. The Neutral Zone between Kuwait and Saudi Arabia is considered part of OPEC.

Prior to January 1, 1993, Ecuador was a member of OPEC. Prior to January 1995, Gabon was a member of OPEC.

**OPRG (Oxygenated Fuels Program Reformulated Gasoline).** A reformulated gasoline which is intended for use in an oxygenated fuels program control area during an oxygenated fuels program control period.

**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.

**Operating Capacity.** The component of operable capacity that is in operation at the beginning of the period.

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

**Other Hydrocarbons.** Materials received by a refinery and consumed as a raw material. Includes hydrogen, coal tar derivatives, gilsonite, and natural gas received by the refinery for reforming into hydrogen. Natural gas to be used as fuel is excluded.

**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. 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° F 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° F 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.

**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.

**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.

**Petroleum Products.** Petroleum products are obtained from the processing of crude oil (including lease condensate), natural gas, and other hydrocarbon compounds. Petroleum products include unfinished oils, liquefied petroleum gases, pentanes plus, aviation gasoline, motor gasoline, naphtha-type jet fuel, kerosene-type jet fuel, kerosene, distillate fuel oil, residual fuel oil, petrochemical feedstocks, special naphthas, lubricants, waxes, petroleum coke, asphalt, road oil, still gas, and miscellaneous products.

**Pipeline (Petroleum).** Crude oil and product pipelines used to transport crude oil and petroleum products respectively, (including interstate, intrastate, and intracompany pipelines) within the 50 States and the District of Columbia.

**Plant Condensate.** One of the natural gas liquids, mostly pentanes and heavier hydrocarbons, recovered and separated as liquids at gas inlet separators or scrubbers in processing plants.

**Processing Gain.** The volumetric amount by which total output is greater than input for a given period of time. This difference is due to the processing of crude oil into products which, in total, have a lower specific gravity than the crude oil processed.

**Processing Loss.** The volumetric amount by which total refinery output is less than input for a given period of time. This difference is due to the processing of crude oil into products which, in total, have a higher specific gravity than the crude oil processed.

**Product Supplied, Crude Oil.** Crude oil burned on leases and by pipelines as fuel.

**Production Capacity.** The maximum amount of product that can be produced from processing facilities.

**Products Supplied.** Approximately represents consumption of petroleum products because it measures the disappearance of these products from primary sources, i.e., refineries, natural gas processing plants, blending plants, pipelines, and bulk terminals. In general, product supplied of each product in any given period is computed as follows: field production, plus refinery production, plus imports, plus unaccounted for crude oil, (plus net receipts when calculated on a PAD District basis), minus stock change, minus crude oil losses, minus refinery inputs, minus exports.

**Propane (C<sub>3</sub>H<sub>8</sub>).** A normally gaseous straight-chain hydrocarbon. It is a colorless paraffinic gas that boils at a temperature of -43.67° F. It is extracted from natural gas or refinery gas streams. It includes all products designated in ASTM Specification D1835 and Gas Processors Association Specifications for commercial propane and HD-5 propane.

**Propylene (C<sub>3</sub>H<sub>6</sub>).** An olefinic hydrocarbon recovered from refinery processes or petrochemical processes.

**RBOB (Reformulated Gasoline Blendstock for Oxygenate Blending).** A motor gasoline blending component which, when blended with a specified type and percentage of oxygenate, meets the definition of reformulated gasoline.

**Refinery.** An installation that manufactures finished petroleum products from crude oil, unfinished oils, natural gas liquids, other hydrocarbons, and oxygenates.

**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.** Refinery yield (expressed as a percentage) represents the percent of finished product produced from input of crude oil and net input of unfinished oils. It is calculated by dividing the sum of crude oil and net unfinished input into the individual net production of finished products. Before calculating the yield for finished motor gasoline, the input of natural gas liquids, other hydrocarbons and oxygenates, and net input of motor gasoline blending components must be subtracted from the net production of finished motor gasoline. Before calculating the yield for finished aviation gasoline, input of aviation gasoline blending components must be subtracted from the net production of finished aviation gasoline.

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

**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 powerplants. 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° F.

**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<sub>3</sub>)<sub>2</sub>(C<sub>2</sub>H<sub>5</sub>)COCH<sub>3</sub>.** 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<sub>3</sub>)<sub>3</sub>COH.** 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<sub>6</sub>H<sub>5</sub>CH<sub>3</sub>).** 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.

**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 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 100 and 200° F 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<sub>6</sub>H<sub>4</sub>(CH<sub>3</sub>)<sub>2</sub>.** 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.