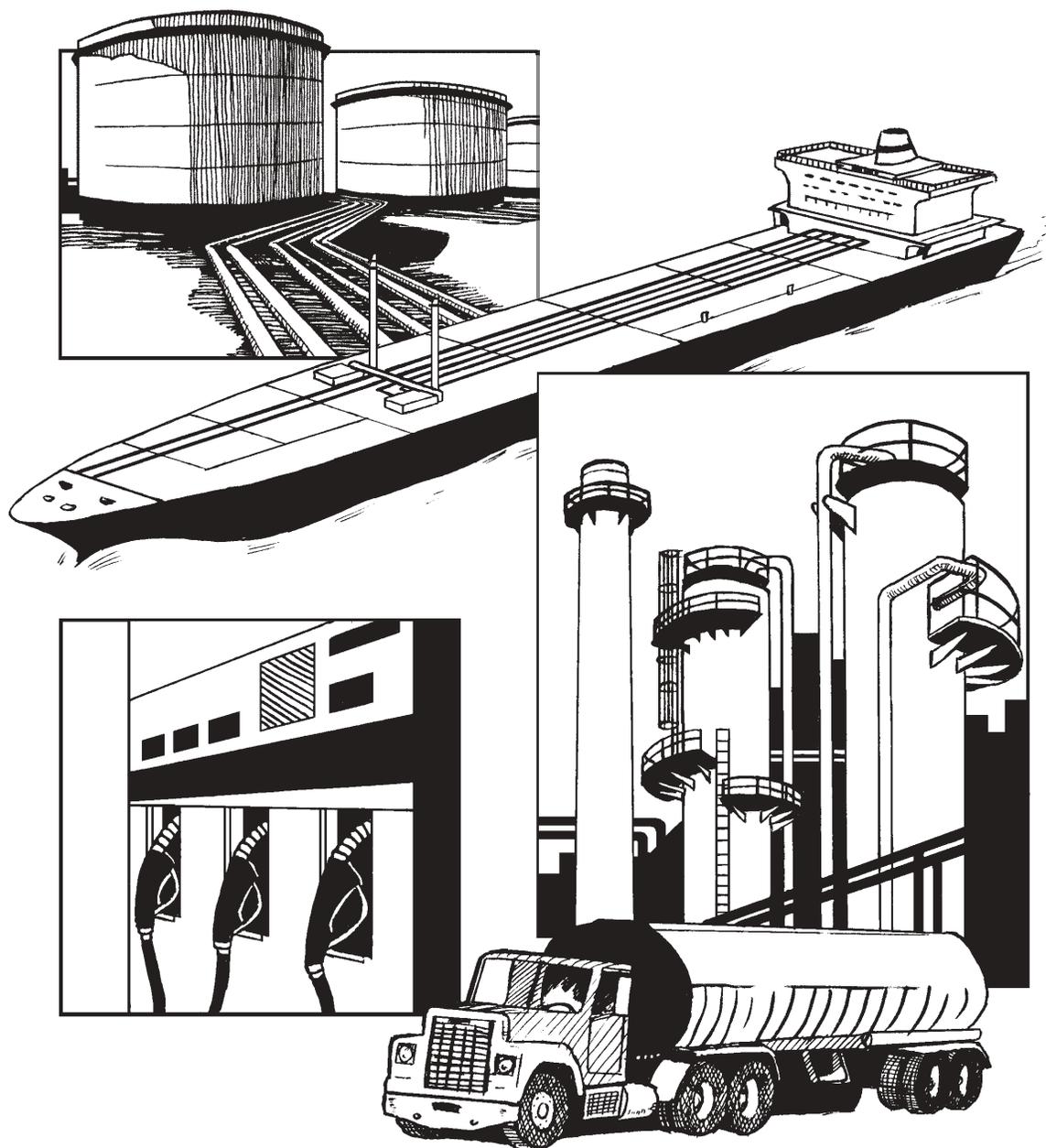


Weekly Petroleum Status Report



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Preface

The *Weekly Petroleum Status Report* (WPSR) provides timely information on supply and selected prices of crude oil and principal petroleum products in the context of historical data and forecasts. It serves the industry, the press, planners, policymakers, consumers, analysts, and State and local governments with a ready, reliable source of current information. The supply data contained in this report are based primarily on company submissions for the week ending 7:00 a.m. the preceding Friday. Weekly price data are collected as of 8:00 a.m. every Monday. The daily spot and futures prices are provided by Reuters, Inc. Data are released electronically after 10:30 a.m. each Wednesday, and hard copies of the publication are available for distribution on Thursday (on demand). For some weeks which include holidays, publication of the *WPSR* is delayed by one day.

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Table H1. Petroleum Supply Summary, November 2003
(Thousand Barrels per Day, Except Where Noted)

Category	2003			2002	January-November	
	Estimated November	Estimated October	Difference ¹	November	2003	2002
Products Supplied	20,003	19,913	90	19,991	19,973	19,744
Finished Motor Gasoline	8,962	9,156	-195	8,829	8,943	8,844
Distillate Fuel Oil	3,957	3,803	154	3,929	3,925	3,761
Residual Fuel Oil	704	717	-13	786	769	687
Jet Fuel	1,658	1,638	21	1,616	1,575	1,605
Other Petroleum Products ²	4,721	4,599	122	4,832	4,761	4,847
Crude Oil Inputs	15,323	15,311	13	15,155	15,285	14,951
Operable Utilization Rate (%)	92.4	92.3	0.1	92.6	92.4	90.6
Imports	12,005	12,236	-231	12,268	12,264	11,570
Crude Oil	9,624	9,959	-335	9,654	9,638	9,177
Strategic Petroleum Reserve	0	0	0	34	0	14
Other	9,624	9,959	-335	9,620	9,638	9,163
Products	2,381	2,278	104	2,613	2,626	2,393
Finished Motor Gasoline	495	459	36	548	523	501
Distillate Fuel Oil	234	264	-30	373	333	246
Residual Fuel Oil	389	314	75	366	331	248
Jet Fuel	67	129	-62	117	112	111
Other Petroleum Products ³	1,197	1,112	85	1,209	1,326	1,287
Exports	911	968	-57	1,026	1,018	957
Crude Oil	10	10	0	10	12	10
Products	901	958	-57	1,016	1,006	947
Total Net Imports	11,094	11,268	-174	11,242	11,247	10,613
Stock Change⁴	-351	213	-563	181	114	-24
Crude Oil	-221	452	-673	96	118	65
Products	-130	-239	109	85	-3	-89
Total Stocks⁶ (million barrels)	1,585.4	1,595.9	-10.5	1,578.5	-	-
Crude Oil	915.3	921.9	-6.6	884.0	-	-
Strategic Petroleum Reserve ⁵	633.7	630.2	3.6	595.9	-	-
Other	281.6	291.7	-10.2	288.1	-	-
Products	670.1	674.0	-3.9	694.5	-	-
Finished Motor Gasoline	143.9	140.6	3.3	158.0	-	-
Distillate Fuel Oil ⁶	131.5	132.5	-1.0	124.4	-	-
Residual Fuel Oil	35.8	33.6	2.2	35.6	-	-
Jet Fuel	37.5	39.8	-2.2	42.7	-	-
Other Petroleum Products ³	321.4	327.6	-6.2	333.8	-	-

¹ Difference is equal to volume for current month minus volume for previous month.

² 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.

³ 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.

⁴ A negative number indicates a decrease in stocks and a positive number indicates an increase.

⁵ Crude oil stocks in the SPR include non-U.S. stocks held under foreign or commercial storage agreements.

⁶ Distillate fuel oil stocks located in the "Northeast Heating Oil Reserve" are not included.

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

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

Highlights

U.S. crude oil refinery inputs averaged nearly 15.2 million barrels per day during the week ending December 19, down 100,000 barrels per day from the previous week. Most of the decrease was seen in the Midwest (PADD II), with a smaller decline on the Gulf Coast (PADD III).

U.S. crude oil imports averaged 9.5 million barrels per day last week, up 375,000 barrels per day from the previous week, with most of the increase on the Gulf Coast (PADD III). Crude oil imports have averaged over 9.3 million barrels per day over the last four weeks, 262,000 barrels per day more than averaged over the same period last year. Although the origins of weekly crude oil imports are preliminary and thus not published, it appears that crude oil imports from Mexico were relatively high last week. Distillate fuel imports averaged 297,000 barrels per day last week, up 51,000 barrels per day from the previous week. Total motor gasoline imports (including both finished gasoline and gasoline blending components) averaged 924,000 barrels per day last week.

U.S. commercial crude oil inventories (excluding those in the Strategic Petroleum Reserve) rose by 1.7 million barrels last week, reversing a four-week decline pattern. At 274.5 million barrels, U.S. crude oil inventories are 25.2 million barrels less than the 5-year average for this time of year. Distillate fuel inventories dropped by 2.3 million barrels, with a decrease in low-sulfur (diesel fuel) distillate fuel more than offsetting an increase in high-sulfur (heating oil) distillate fuel. At 128.4 million barrels, distillate fuel inventories are 7.3 million barrels below the 5-year average for this time of year. Motor gasoline inventories increased by 0.6 million

barrels last week, but are 2.6 million barrels less than the 5-year average. Total commercial petroleum inventories are 62.9 million barrels less than the 5-year average.

Total product supplied over the last four-week period has averaged nearly 20.1 million barrels per day, or 0.6 percent more than the same period last year. Motor gasoline demand over the last four weeks has averaged nearly 9.0 million barrels per day, or 1.0 percent above the same period last year. Distillate fuel demand is up 0.1 percent, while kerosene-type jet fuel demand is up 2.3 percent over the last four weeks compared to the same four-week period last year.

The average world crude oil price on December 19, 2003 was \$28.15, \$0.05 more than last week and \$0.89 above a year ago. WTI was \$32.81 per barrel on December 19, 2003, \$0.25 less than last week but \$2.24 higher than last year. The spot price for conventional gasoline in the New York Harbor was 89.53 cents per gallon, 0.60 cent higher than last week and 4.98 cents over a year ago. The spot price for No. 2 heating oil in the New York Harbor was 93.20 cents per gallon, up 2.05 cents from last week and 7.55 cents above last year.

The national average retail regular gasoline price increased to 148.5 cents per gallon on December 22, 2003, 2.0 cents per gallon more than last week and 8.4 cents per gallon above a year ago. The national average retail diesel fuel price rose to 150.4 cents per gallon, 1.8 cents per gallon more than last week and 6.4 cents per gallon more than a year ago.

Refinery Activity (Thousand Barrels per Day)

	Four Weeks Ending		
	12/19/03	12/12/03	12/19/02
Crude Oil Input to Refineries	15,411	15,412	14,991
Refinery Capacity Utilization (Percent)	92.8	92.7	91.6
Motor Gasoline Production	8,718	8,750	8,736
Distillate Fuel Oil Production	3,793	3,830	3,867

See Table 2.

Stocks (Million Barrels)

	Four Weeks Ending		
	12/19/03	12/12/03	12/19/02
Crude Oil (Excluding SPR)	274.5	272.8	282.0
Motor Gasoline	203.0	202.4	207.8
Distillate Fuel Oil ¹	128.4	130.7	130.0
All Other Oils	328.3	331.3	343.2
Crude Oil in SPR ²	635.7	634.7	597.8
Total	1569.9	1571.9	1560.7

See Table 3.

Net Imports (Thousand Barrels per Day)

	Four Weeks Ending		
	12/19/03	12/12/03	12/19/02
Crude Oil	9,319	9,228	9,062
Petroleum Products	1,337	1,400	1,271
Total	10,656	10,628	10,333

See Table 1.

¹ Distillate fuel oil stocks located in the "Northeast Heating Oil Reserve" are not included.

² Crude oil stocks in the SPR include non-U.S. stocks held under foreign or commercial storage agreements.

Notes: • NA=Not Available. • Data may not add to total due to independent rounding.

Products Supplied (Thousand Barrels per Day)

	Four Weeks Ending		
	12/19/03	12/12/03	12/19/02
Motor Gasoline	8,963	8,853	8,870
Distillate Fuel Oil	3,937	3,899	3,932
All Other Products	7,190	7,269	7,158
Total	20,089	20,020	19,960

See Table 10.

Prices (Cents per Gallon except as noted)

	Week Ending		
	12/19/03	12/12/03	12/20/02
World Crude Oil (Dollars per Barrel)	28.15	28.10	27.26
Spot Prices			
WTI Crude Oil - Cushing (Dollars per Barrel)	32.81	33.06	30.57
Conv. Regular Gasoline - NYH	89.53	88.93	84.55
RFG Regular - NYH	89.33	88.93	87.45
No. 2 Heating Oil - NYH	93.20	91.15	85.65
No. 2 Low-sulfur Diesel Fuel - NYH	93.38	91.15	85.85
Kerosene-Type Jet - NYH	94.50	93.60	87.23
Residual Fuel - NYH	64.60	61.90	67.21
Propane - Mont Belvieu	66.50	65.13	54.19

	12/22/03	12/15/03	12/23/02
Retail Prices			
Motor Gasoline - Regular	148.5	146.5	140.1
Motor Gasoline - Midgrade	158.3	156.3	149.7
Motor Gasoline - Premium	167.8	166.0	159.2
On-Highway Diesel Fuel	150.4	148.6	144.0

See Tables 13, 14, 15 and 17.

Table 1. U.S. Petroleum Balance Sheet, 4 Weeks Ending 12/19/2003

Petroleum Supply (Thousand Barrels per Day)	Four-Week Averages			Cumulative Daily Averages		Percent Change
	Ending 12/19/03	12/19/02	Percent Change	2003 352 Days	2002	
Crude Oil Supply						
(1) Domestic Production ¹	5,640	5,663	-0.4	5,738	5,747	-0.2
(2) Net Imports (Including SPR) ²	9,319	9,062	2.8	9,613	9,145	5.1
(3) Gross Imports (Excluding SPR)	9,329	9,033	3.3	9,625	9,140	5.3
(4) SPR Imports	0	34	--	0	15	--
(5) Exports	10	5	100.0	12	9	33.3
(6) SPR Stocks Withdrawn (+) or Added (-)	-108	-141	--	-107	-135	--
(7) Other Stocks Withdrawn (+) or Added (-)	523	257	--	9	85	--
(8) Product Supplied and Losses	0	0	--	0	0	--
(9) Unaccounted-for Crude Oil ³	37	150	--	34	106	--
(10) Crude Oil Input to Refineries	15,411	14,991	2.8	15,288	14,948	2.3
Other Supply						
(11) Natural Gas Liquids Production ⁴	2,085	2,101	-0.8	2,040	2,176	-6.3
(12) Other Liquids New Supply	144	146	-1.4	108	126	-14.3
(13) Crude Oil Product Supplied	0	0	0.0	0	0	0.0
(14) Processing Gain	965	1,000	-3.5	948	954	-0.6
(15) Net Product Imports ⁵	1,337	1,271	5.2	1,595	1,428	11.7
(16) Gross Product Imports ⁵	2,287	2,450	-6.7	2,599	2,391	8.7
(17) Product Exports ⁵	950	1,179	-19.4	1,004	964	4.1
(18) Product Stocks Withdrawn (+) or Added (-) ^{6,7}	148	452	--	27	122	--
(19) Total Product Supplied for Domestic Use	20,089	19,960	0.6	20,005	19,755	1.3
Products Supplied						
(20) Finished Motor Gasoline ⁴	8,963	8,870	1.0	8,946	8,846	1.1
(21) Naphtha-Type Jet Fuel	0	-10	-100.0	-5	-7	-28.6
(22) Kerosene-Type Jet Fuel	1,723	1,684	2.3	1,587	1,617	-1.9
(23) Distillate Fuel Oil	3,937	3,932	0.1	3,934	3,770	4.4
(24) Residual Fuel Oil	619	816	-24.1	760	695	9.4
(25) Other Oils ⁸	4,848	4,669	3.8	4,784	4,834	-1.0
(26) Total Products Supplied	20,089	19,960	0.6	20,005	19,755	1.3
Total Net Imports	10,656	10,333	3.1	11,208	10,573	6.0
Petroleum Stocks						
(Million Barrels)	12/19/03	12/12/03	12/19/02	Percent Change from		
Crude Oil (Excluding SPR) ⁹	274.5	272.8	282.0	Previous Week	Year Ago	
Total Motor Gasoline	203.0	202.4	207.8	0.6	-2.7	
Reformulated	29.0	29.1	39.7	0.3	-2.3	
Oxygenated	0.5	0.5	0.6	-0.3	-27.0	
Conventional	116.0	116.6	120.0	0.0	-16.7	
Blending Components	57.5	56.1	47.5	-0.5	-3.3	
Naphtha-Type Jet Fuel	0.0	0.0	0.0	2.5	21.1	
Kerosene-Type Jet Fuel	36.8	36.7	40.6	0.0	0.0	
Distillate Fuel Oil ⁷	128.4	130.7	130.0	0.3	-9.4	
0.05% Sulfur and under	75.5	78.3	76.8	-1.8	-1.2	
Greater than 0.05% Sulfur	52.9	52.4	53.2	-3.6	-1.7	
Residual Fuel Oil	36.7	36.1	33.1	1.7	10.9	
Unfinished Oils	80.2	80.6	81.0	-0.5	-1.0	
Other Oils ¹⁰	174.6	177.8	188.4	-1.8	-7.3	
Total Stocks (Excluding SPR) ⁷	934.2	937.2	963.0	-0.3	-3.0	
Crude Oil in SPR ¹¹	635.7	634.7	597.8	0.2	6.3	
Total Stocks (Including SPR) ⁷	1,569.9	1,571.9	1,560.7	-0.1	0.6	

¹ Includes lease condensate.² Net Imports = Gross Imports (line 3) + Strategic Petroleum Reserve (SPR) Imports (line 4) - Exports (line 5).³ Unaccounted-for Crude Oil is a balancing item. See Glossary for further explanation.⁴ Includes field production of fuel ethanol and an adjustment for motor gasoline blending components.⁵ Includes finished petroleum products, unfinished oils, gasoline blending components, and natural gas plant liquids.⁶ Includes an estimate of minor product stock change based on monthly data.⁷ Distillate fuel oil stocks located in the "Northeast Heating Oil Reserve" are not included. For details see Appendix B.⁸ Includes crude oil product supplied, natural gas liquids, liquefied refinery gases (LRGs), other liquids, and all finished petroleum products except motor gasoline, jet fuels, distillate, and residual fuel oils.⁹ Includes domestic and Customs-cleared foreign crude oil in transit to refineries.¹⁰ Included are stocks of all other oils such as aviation gasoline, kerosene, natural gas liquids and LRGs, other hydrocarbons and oxygenates, aviation gasoline blending components, naphtha and other oils for petrochemical feedstock use, special naphthas, lube oils, waxes, coke, asphalt, road oil, and miscellaneous oils.¹¹ Crude oil stocks in the SPR include non-U.S. stocks held under foreign or commercial storage agreements.

Note: Some data are estimated. See Sources for clarification of estimated data. Due to independent rounding, individual product detail may not add to total. Sources: See page 30.

Table 2. U.S. Petroleum Activity, January 2002 to Present
(Thousand Barrels per Day)

Inputs and Utilization												
Year/Element	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2002												
Crude Oil Inputs	14,487	14,306	14,526	15,325	15,301	15,397	15,430	15,338	14,861	14,303	15,155	14,900
Gross Inputs	14,693	14,510	14,724	15,586	15,329	15,610	15,666	15,572	15,149	14,614	15,463	15,218
Operable Capacity	16,755	16,755	16,755	16,757	16,757	16,764	16,764	16,764	16,764	16,700	16,700	16,700
Percent Utilization	87.7	86.6	87.9	93.0	91.5	93.1	93.5	92.9	90.4	87.5	92.6	91.1
2003												
Crude Oil Inputs	14,337	14,382	14,929	15,575	15,919	15,618	15,549	15,685	15,444			
Gross Inputs	14,611	14,640	15,157	15,759	16,046	15,841	15,748	15,903	15,590			
Operable Capacity	16,761	16,761	16,757	16,757	16,757	16,757	16,757	16,757	16,757			
Percent Utilization	87.2	87.3	90.5	94.0	95.8	94.5	94.0	94.9	93.0			
Average for Four-Week Period Ending:												
2003	10/3	10/10	10/17	10/24	10/31	11/7	11/14	11/21	11/28	12/5	12/12	12/19
Crude Oil Inputs	15,307	15,133	15,115	15,200	15,341	15,357	15,352	15,293	15,278	15,415	15,412	15,411
Gross Inputs	15,437	15,271	15,246	15,346	15,495	15,530	15,538	15,455	15,444	15,553	15,539	15,552
Operable Capacity	16,757	16,757	16,757	16,757	16,757	16,757	16,757	16,757	16,757	16,757	16,757	16,757
Percent Utilization ¹	92.1	91.1	91.0	91.6	92.5	92.7	92.7	92.2	92.2	92.8	92.7	92.8
Production by Product												
Year/Product	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2002												
Finished Motor Gasoline ²	8,160	8,117	8,072	8,626	8,729	8,661	8,665	8,666	8,320	8,190	8,738	8,734
Reformulated	2,558	2,636	2,641	2,706	2,707	2,644	2,640	2,725	2,658	2,657	2,832	2,877
Oxygenated ²	783	828	536	868	904	797	956	878	946	1,094	1,340	1,174
Conventional ²	4,858	4,684	4,813	5,102	5,142	5,220	5,100	5,036	4,740	4,447	4,589	4,741
Jet Fuel	1,477	1,451	1,505	1,492	1,479	1,512	1,569	1,539	1,552	1,495	1,543	1,548
Distillate Fuel Oil	3,508	3,498	3,360	3,647	3,709	3,679	3,561	3,538	3,536	3,380	3,768	3,922
0.05% Sulfur and under	2,448	2,456	2,370	2,657	2,730	2,694	2,566	2,542	2,631	2,532	2,823	2,818
Greater than 0.05% Sulfur	1,060	1,042	990	990	979	985	995	996	905	848	945	1,103
Residual Fuel Oil	625	613	617	601	582	540	566	583	607	593	648	641
2003												
Finished Motor Gasoline ²	8,038	8,031	7,917	8,449	8,780	8,694	8,653	8,773	8,524			
Reformulated	2,667	2,674	2,631	2,808	2,817	2,791	2,724	2,753	2,630			
Oxygenated ²	842	1,159	742	1,120	1,000	1,005	1,050	1,134	994			
Conventional ²	4,530	4,199	4,543	4,521	4,962	4,898	4,880	4,886	4,900			
Jet Fuel	1,495	1,416	1,422	1,445	1,484	1,393	1,491	1,551	1,514			
Distillate Fuel Oil	3,403	3,455	3,743	3,817	3,860	3,728	3,673	3,750	3,721			
0.05% Sulfur and under	2,383	2,366	2,654	2,879	2,937	2,798	2,738	2,791	2,794			
Greater than 0.05% Sulfur	1,020	1,089	1,089	939	923	930	936	959	926			
Residual Fuel Oil	660	682	653	634	731	668	634	663	662			
Average for Four-Week Period Ending:												
2003	10/3	10/10	10/17	10/24	10/31	11/7	11/14	11/21	11/28	12/5	12/12	12/19
Finished Motor Gasoline ²	8,658	8,662	8,621	8,632	8,650	8,615	8,652	8,637	8,681	8,764	8,750	8,718
Reformulated ²	2,689	2,770	2,790	2,773	2,755	2,676	2,661	2,570	2,573	2,613	2,611	2,664
Oxygenated ²	1,020	1,031	1,042	1,049	1,090	1,134	1,180	1,211	1,188	1,220	1,194	1,156
Conventional ²	4,950	4,860	4,789	4,810	4,805	4,805	4,811	4,857	4,921	4,932	4,946	4,898
Jet Fuel	1,493	1,482	1,469	1,484	1,502	1,515	1,535	1,528	1,529	1,551	1,558	1,596
Distillate Fuel Oil	3,640	3,599	3,631	3,659	3,718	3,744	3,754	3,779	3,789	3,822	3,830	3,793
0.05% Sulfur and under	2,700	2,684	2,681	2,697	2,737	2,727	2,751	2,775	2,798	2,850	2,842	2,763
Greater than 0.05% Sulfur	940	915	950	962	981	1,017	1,003	1,005	992	972	988	1,030
Residual Fuel Oil	634	619	614	631	622	611	601	586	568	582	603	610

¹ Calculated as gross inputs divided by the latest reported monthly operable capacity. See Glossary. Percentages are calculated using unrounded numbers.

² 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.

Notes: Some data are estimated. See Sources for clarification of estimated data. Production statistics represent net production (i.e., refinery output minus refinery input).

Source: See page 30.

Figure 1. U.S. Refinery Capacity, Inputs, and Production, July 2002 to Present

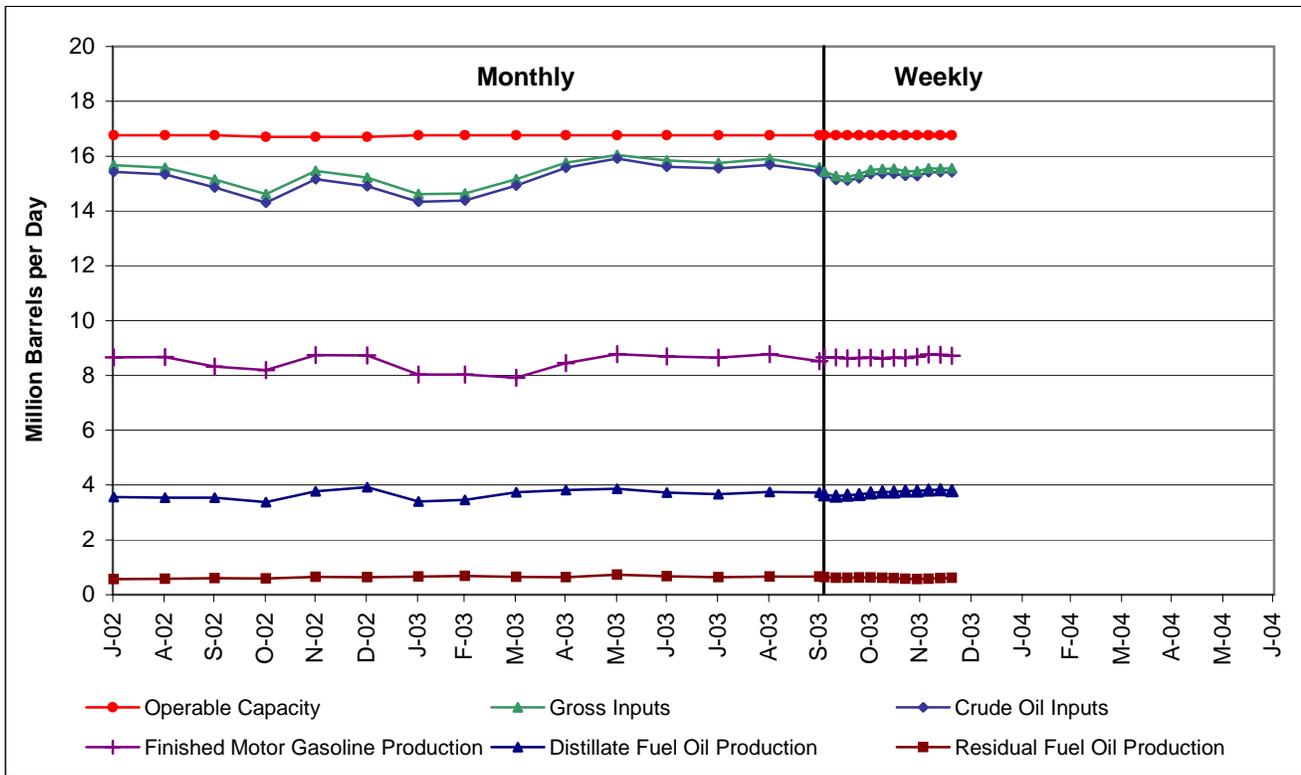
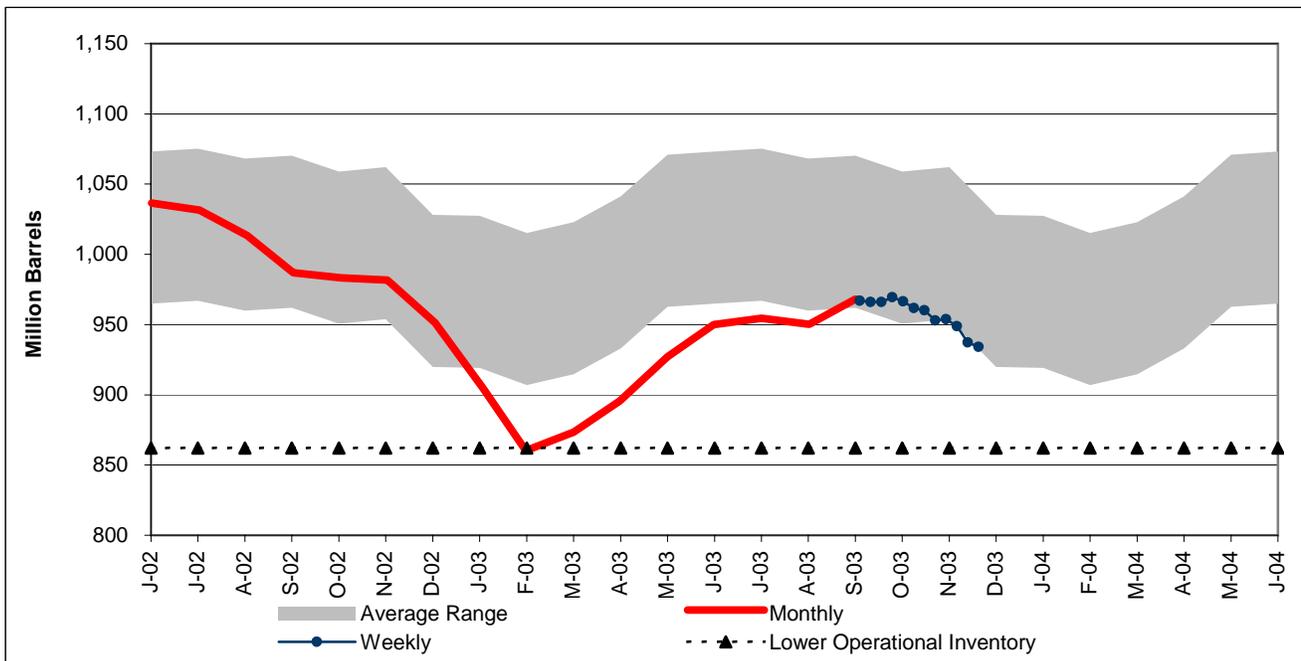


Figure 2. U.S. Stocks of Crude Oil and Petroleum Products, June 2002 to Present



Note: The Lower Operational Inventory for total stocks is 862.0 million barrels. See Appendix A for further explanation.

Table 3. Stocks of Crude Oil and Petroleum Products,¹ U.S. Totals, January 2002 to Present
(Million Barrels)

Year/Product	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2002												
Crude Oil ²	320.3	327.4	333.5	324.6	327.0	317.6	304.3	296.2	270.6	291.5	288.1	277.6
Total Motor Gasoline	222.0	217.8	213.4	216.4	218.1	216.6	214.5	204.0	206.5	193.5	205.9	209.1
Reformulated	45.6	45.1	43.2	45.7	45.9	44.9	43.5	40.2	40.6	35.6	36.3	42.2
Oxygenated	0.5	0.4	0.3	0.5	0.3	0.4	0.3	0.4	0.4	0.6	0.6	0.6
Conventional	123.6	120.0	116.3	120.8	122.1	122.3	121.0	116.7	116.3	112.0	121.2	119.1
Blending Components	52.3	52.3	53.6	49.4	49.8	49.0	49.7	46.6	49.1	45.3	47.9	47.2
Jet Fuel	41.2	40.8	41.8	40.4	41.0	39.1	38.4	39.4	40.6	41.7	42.7	39.2
Distillate Fuel Oil ³	136.9	130.0	123.1	122.4	127.0	133.1	133.8	130.6	126.9	121.4	124.4	134.1
0.05% Sulfur and under	80.0	77.9	74.2	74.3	77.0	79.3	76.9	71.0	68.3	65.5	71.5	80.7
Greater than 0.05% Sulfur	56.9	52.1	48.9	48.1	50.0	53.8	56.9	59.6	58.5	55.9	52.9	53.4
Residual Fuel Oil	41.4	39.0	34.3	34.6	33.9	32.7	33.5	31.9	33.0	33.6	35.6	31.3
Unfinished Oils	91.1	90.2	93.7	95.0	91.2	87.8	87.2	85.3	85.0	90.5	88.2	75.8
Other Oils ⁴	183.1	171.3	171.5	188.3	201.5	212.8	220.5	226.7	224.3	211.2	197.7	181.7
Total (Excl. SPR) ³	1,036.0	1,016.5	1,011.3	1,021.7	1,039.7	1,039.7	1,032.3	1,014.1	986.8	983.4	982.6	948.8
Crude Oil in SPR ⁵	554.6	560.0	561.5	566.7	571.3	576.5	578.5	582.3	587.2	589.6	595.9	599.1
Total (Incl. SPR) ³	1,590.6	1,576.4	1,572.8	1,588.4	1,610.9	1,616.1	1,610.8	1,596.3	1,574.1	1,573.0	1,578.5	1,547.9
2003												
Crude Oil ²	273.0	270.4	280.5	290.2	283.6	283.2	283.2	277.7	284.5			
Total Motor Gasoline	211.6	203.2	199.9	207.5	208.3	206.0	200.5	192.1	196.2			
Reformulated	37.7	35.3	32.7	35.5	36.2	37.6	32.7	31.0	29.9			
Oxygenated	0.4	0.2	0.2	0.1	0.1	0.2	0.4	0.2	0.3			
Conventional	120.3	116.6	112.1	116.3	119.7	115.6	116.5	113.6	114.5			
Blending Components	53.2	51.2	54.9	55.6	52.2	52.6	50.9	47.4	51.4			
Jet Fuel	40.6	38.5	36.8	36.6	40.2	38.4	37.8	38.5	39.4			
Distillate Fuel Oil ³	112.2	97.2	98.5	97.1	106.1	111.8	117.7	126.4	130.9			
0.05% Sulfur and under	68.4	60.5	63.5	65.9	71.9	74.0	74.8	76.0	76.6			
Greater than 0.05% Sulfur	43.8	36.7	35.0	31.2	34.2	37.8	42.9	50.4	54.4			
Residual Fuel Oil	31.3	30.8	32.3	31.1	36.2	35.6	31.6	30.2	31.7			
Unfinished Oils	80.3	83.5	84.5	85.4	84.5	88.1	86.0	85.1	85.5			
Other Oils ⁴	155.9	136.6	140.9	147.8	168.3	186.9	197.6	200.3	199.8			
Total (Excl. SPR) ³	904.8	860.3	873.4	895.6	927.2	949.9	954.5	950.3	968.0			
Crude Oil in SPR ⁵	599.2	599.2	599.2	599.6	603.1	608.5	612.4	618.3	624.4			
Total (Incl. SPR) ³	1,504.1	1,459.5	1,472.6	1,495.2	1,530.3	1,558.4	1,566.9	1,568.6	1,592.3			
2003												
	10/3	10/10	10/17	10/24	10/31	11/7	11/14	11/21	11/28	12/5	12/12	12/19
Crude Oil ²	286.2	290.0	288.2	291.8	291.9	291.1	294.0	289.1	284.3	277.9	272.8	274.5
Total Motor Gasoline	198.0	194.6	196.0	193.8	191.3	192.3	192.2	193.7	197.1	200.5	202.4	203.0
Reformulated	31.5	33.2	33.7	32.4	30.4	30.3	27.6	27.9	28.2	28.1	29.1	29.0
Oxygenated	0.3	0.5	0.5	0.5	0.5	0.5	0.4	0.5	0.4	0.4	0.5	0.5
Conventional	114.3	109.9	111.1	111.0	109.7	109.4	110.9	112.7	114.3	116.7	116.6	116.0
Blending Components	51.9	51.0	50.6	50.0	50.6	52.0	53.4	52.5	54.2	55.2	56.1	57.5
Jet Fuel	40.4	40.3	39.5	40.0	39.8	39.3	39.8	38.7	37.8	37.2	36.8	36.8
Distillate Fuel Oil ³	131.5	129.8	132.4	134.0	132.7	131.2	128.9	128.3	131.1	132.1	130.7	128.4
0.05% Sulfur and under	77.3	75.9	76.9	75.8	75.9	74.4	73.2	73.4	75.4	76.2	78.3	75.5
Greater than 0.05% Sulfur	54.2	54.0	55.6	58.2	56.8	56.7	55.7	54.9	55.7	55.9	52.4	52.9
Residual Fuel Oil	32.4	33.1	32.7	33.3	33.6	33.8	33.6	34.4	35.3	36.5	36.1	36.7
Unfinished Oils	82.5	82.6	83.5	84.5	84.6	84.0	84.2	83.5	84.0	83.6	80.6	80.2
Other Oils ⁴	196.1	195.6	193.6	192.1	192.6	190.0	187.4	185.3	184.3	181.1	177.8	174.6
Total (Excl. SPR) ³	967.0	966.1	966.0	969.5	966.5	961.7	960.1	953.0	953.8	948.9	937.2	934.2
Crude Oil in SPR ⁵	623.8	625.7	627.1	628.8	630.0	631.2	632.2	632.6	633.4	634.2	634.7	635.7
Total (Incl. SPR) ³	1,590.8	1,591.7	1,593.1	1,598.2	1,596.5	1,592.9	1,592.3	1,585.6	1,587.2	1,583.1	1,571.9	1,569.9

¹ Product stocks include those domestic and Customs-cleared foreign stocks held at, or in transit to, refineries and bulk terminals, and stocks in pipelines.

Stocks held at natural gas processing plants are included in "Other Oils" and in totals. All stock levels are as of the end of the period.

² Crude oil stocks include those domestic and Customs-cleared foreign crude oil stocks held at refineries, in pipelines, in lease tanks, and in transit to refineries.

Does not include those held in the Strategic Petroleum Reserve (SPR).

³ Distillate fuel oil stocks located in the "Northeast Heating Oil Reserve" are not included. For details see Appendix D.

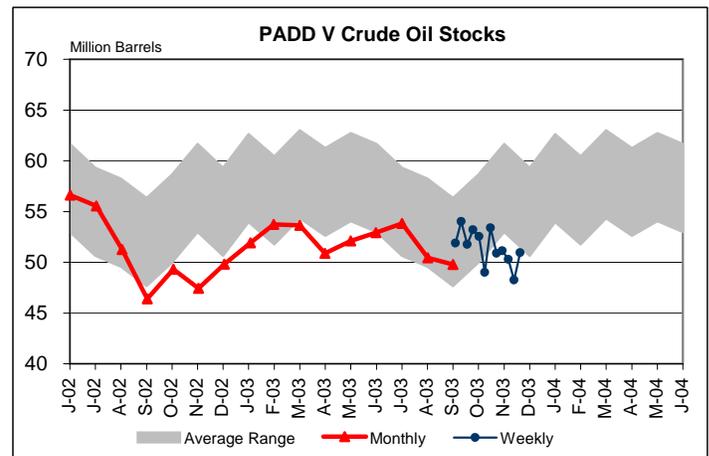
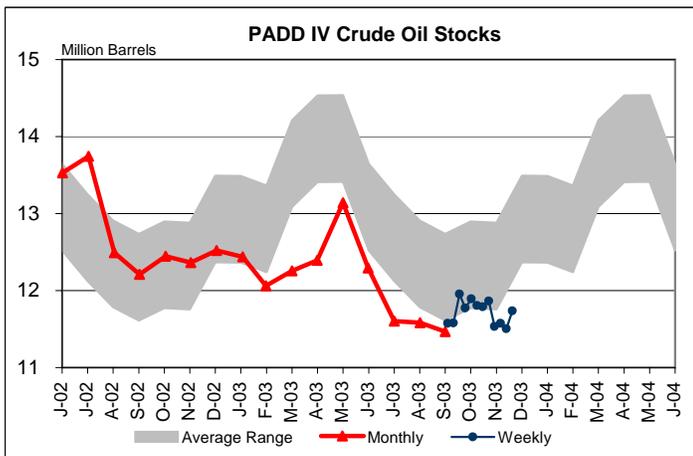
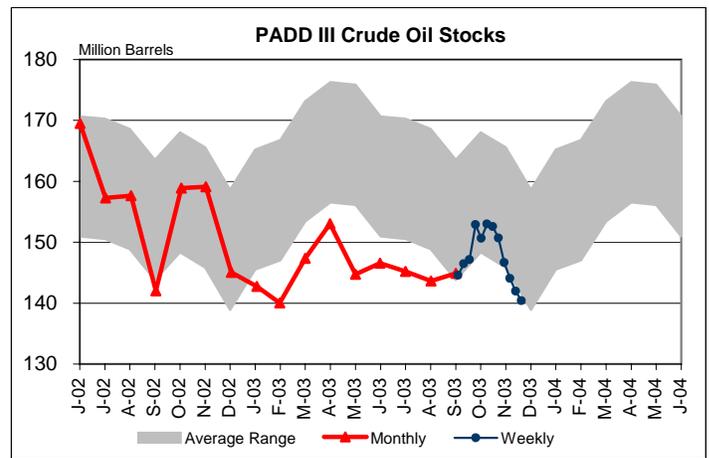
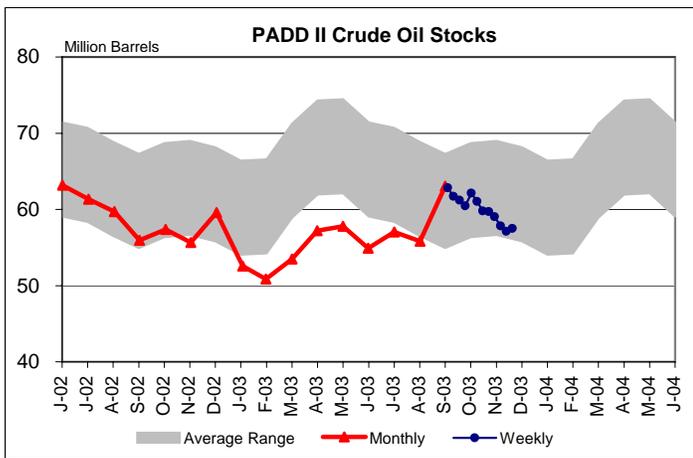
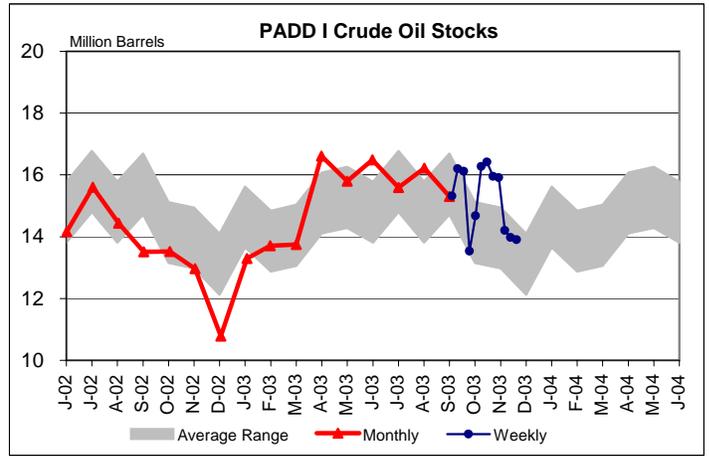
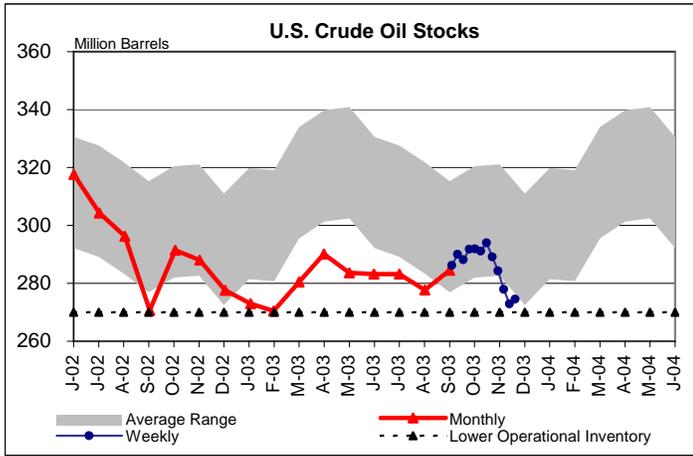
⁴ Included are stocks of all other oils such as aviation gasoline, kerosene, natural gas liquids and LRG's, other hydrocarbons and oxygenates, aviation gasoline blending components, naphtha and other oils for petrochemical feedstock use, special naphthas, lube oils, waxes, coke, asphalt, road oil, and miscellaneous oils.

⁵ Crude oil stocks in the SPR include non-U.S. stocks held under foreign or commercial storage agreements.

Notes: Some data are estimates. See Sources for clarification of estimated data. Data may not add to total due to independent rounding.

Source: See page 30.

Figure 3. Stocks of Crude Oil by PAD District, June 2002 to Present



Note: The Lower Operational Inventory for crude oil stocks is 270.0 million barrels. See Appendix A for further explanation.

Table 4. Stocks of Motor Gasoline by PAD District, January 2002 to Present

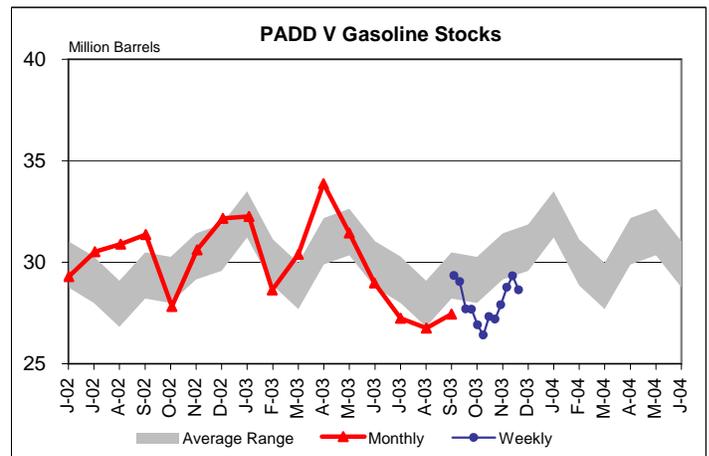
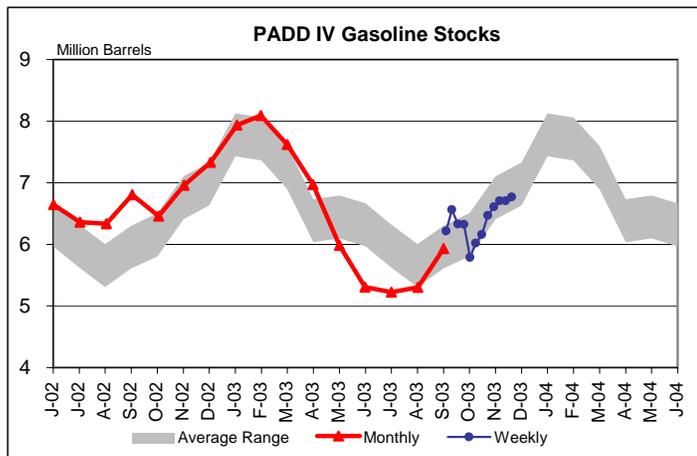
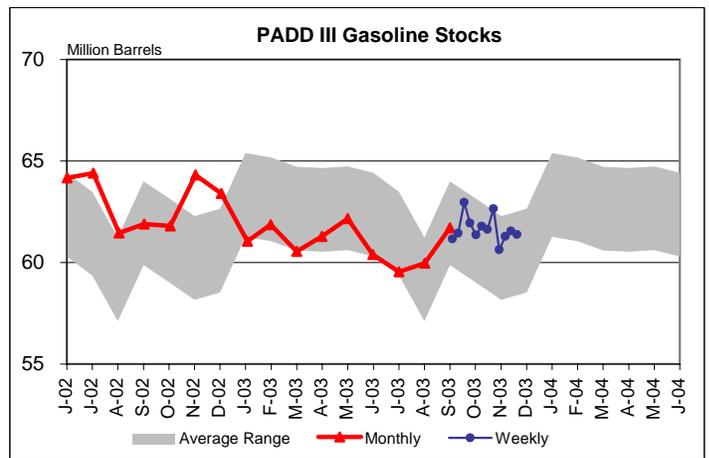
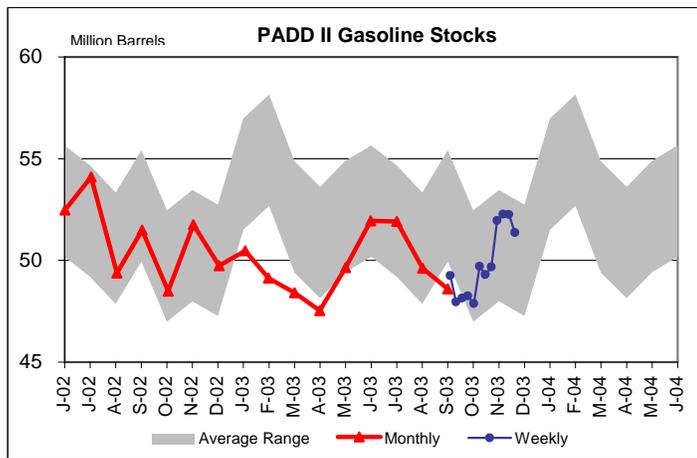
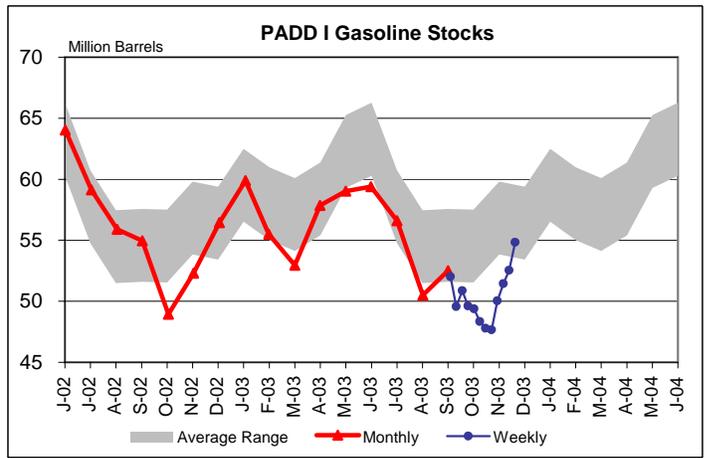
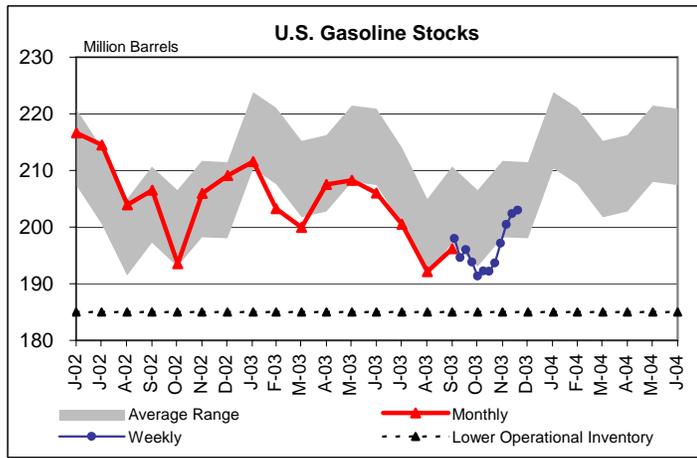
(Million Barrels)

Year/District	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2002												
Total Motor Gasoline	222.0	217.8	213.4	216.4	218.1	216.6	214.5	204.0	206.5	193.5	205.9	209.1
East Coast (PADD I)	62.2	58.4	60.1	61.8	64.6	64.0	59.1	55.9	55.0	48.9	52.3	56.5
New England (PADD IA)	5.4	5.4	4.6	5.3	5.3	5.5	4.9	4.5	5.1	3.6	3.8	4.3
Central Atlantic (PADD IB)	33.4	32.3	33.4	33.7	35.2	33.7	31.1	30.5	29.0	24.5	26.1	29.5
Lower Atlantic (PADD IC)	23.4	20.7	22.1	22.8	24.2	24.8	23.1	20.9	20.9	20.9	22.4	22.6
Midwest (PADD II)	55.3	54.8	52.6	52.5	52.0	52.5	54.1	49.4	51.5	48.5	51.8	49.7
Gulf Coast (PADD III)	64.3	66.2	62.8	63.2	63.7	64.2	64.4	61.5	61.9	61.8	64.3	63.4
Rocky Mountain (PADD IV)	8.1	8.1	7.7	6.7	6.9	6.6	6.4	6.3	6.8	6.5	7.0	7.3
West Coast (PADD V)	32.0	30.3	30.3	32.2	30.9	29.3	30.5	30.9	31.4	27.8	30.6	32.2
Finished Motor Gasoline	169.7	165.5	159.8	167.0	168.3	167.6	164.8	157.3	157.4	148.2	158.0	161.9
Reformulated	45.6	45.1	43.2	45.7	45.9	44.9	43.5	40.2	40.6	35.6	36.3	42.2
Oxygenated	0.5	0.4	0.3	0.5	0.3	0.4	0.3	0.4	0.4	0.6	0.6	0.6
Conventional	123.6	120.0	116.3	120.8	122.1	122.3	121.0	116.7	116.3	112.0	121.2	119.1
Blending Components	52.3	52.3	53.6	49.4	49.8	49.0	49.7	46.6	49.1	45.3	47.9	47.2
2003												
Total Motor Gasoline	211.6	203.2	199.9	207.5	208.3	206.0	200.5	192.1	196.2			
East Coast (PADD I)	59.9	55.5	52.9	57.9	59.0	59.4	56.6	50.5	52.5			
New England (PADD IA)	4.4	3.7	4.2	4.3	4.1	4.4	4.1	3.5	3.7			
Central Atlantic (PADD IB)	30.8	28.0	26.9	30.1	29.9	31.3	28.9	23.0	24.9			
Lower Atlantic (PADD IC)	24.6	23.7	21.9	23.4	25.0	23.7	23.6	24.1	23.9			
Midwest (PADD II)	50.5	49.1	48.4	47.5	49.6	52.0	51.9	49.6	48.6			
Gulf Coast (PADD III)	61.0	61.9	60.6	61.3	62.2	60.4	59.5	60.0	61.7			
Rocky Mountain (PADD IV)	7.9	8.1	7.6	7.0	6.0	5.3	5.2	5.3	5.9			
West Coast (PADD V)	32.3	28.6	30.4	33.9	31.4	29.0	27.2	26.8	27.4			
Finished Motor Gasoline	158.4	152.1	145.0	151.9	156.1	153.4	149.6	144.7	144.8			
Reformulated	37.7	35.3	32.7	35.5	36.2	37.6	32.7	31.0	29.9			
Oxygenated	0.4	0.2	0.2	0.1	0.1	0.2	0.4	0.2	0.3			
Conventional	120.3	116.6	112.1	116.3	119.7	115.6	116.5	113.6	114.5			
Blending Components	53.2	51.2	54.9	55.6	52.2	52.6	50.9	47.4	51.4			
2003												
	10/3	10/10	10/17	10/24	10/31	11/7	11/14	11/21	11/28	12/5	12/12	12/19
Total Motor Gasoline	198.0	194.6	196.0	193.8	191.3	192.3	192.2	193.7	197.1	200.5	202.4	203.0
East Coast (PADD I)	52.0	49.6	50.9	49.6	49.4	48.3	47.8	47.7	50.0	51.4	52.5	54.8
New England (PADD IA)	3.8	4.1	4.3	4.3	3.9	3.9	3.7	3.5	3.8	3.3	3.7	3.7
Central Atlantic (PADD IB)	24.6	23.5	24.5	23.6	25.5	24.7	24.0	23.6	24.7	27.7	27.3	29.9
Lower Atlantic (PADD IC)	23.6	22.0	22.1	21.7	20.0	19.7	20.1	20.5	21.5	20.5	21.5	21.3
Midwest (PADD II)	49.3	48.0	48.1	48.2	47.9	49.7	49.3	49.7	52.0	52.3	52.3	51.4
Gulf Coast (PADD III)	61.2	61.4	63.0	61.9	61.4	61.8	61.6	62.7	60.6	61.3	61.6	61.4
Rocky Mountain (PADD IV)	6.2	6.6	6.3	6.3	5.8	6.0	6.2	6.5	6.6	6.7	6.7	6.8
West Coast (PADD V)	29.3	29.0	27.7	27.7	26.9	26.4	27.3	27.2	27.9	28.8	29.3	28.6
Finished Motor Gasoline	146.1	143.6	145.4	143.8	140.7	140.2	138.8	141.1	142.9	145.3	146.3	145.4
Reformulated	31.5	33.2	33.7	32.4	30.4	30.3	27.6	27.9	28.2	28.1	29.1	29.0
Oxygenated	0.3	0.5	0.5	0.5	0.5	0.5	0.4	0.5	0.4	0.4	0.5	0.5
Conventional	114.3	109.9	111.1	111.0	109.7	109.4	110.9	112.7	114.3	116.7	116.6	116.0
Blending Components	51.9	51.0	50.6	50.0	50.6	52.0	53.4	52.5	54.2	55.2	56.1	57.5

Note: PADD and sub-PADD data may not add to total due to independent rounding.

Source: See page 30.

Figure 4. Stocks of Gasoline by PAD District, June 2002 to Present



Note: The Lower Operational Inventory for motor gasoline stocks is 185.0 million barrels. See Appendix A for further explanation.

Table 5. Stocks of Distillate Fuel Oil by PAD District, January 2002 to Present

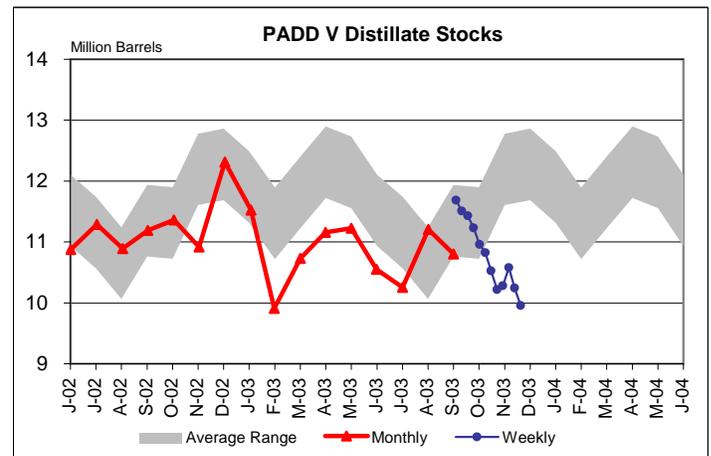
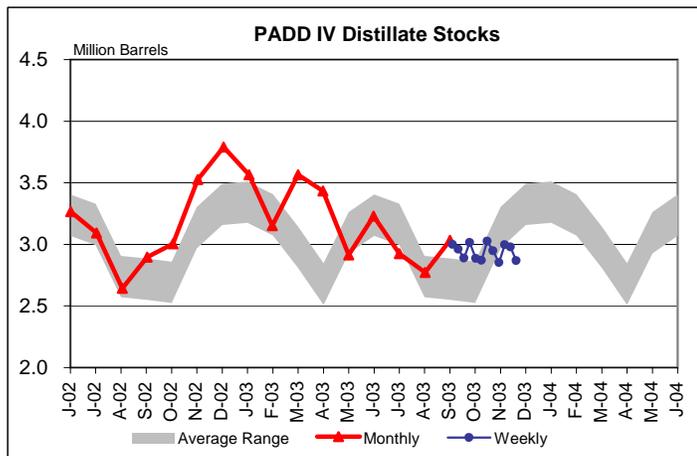
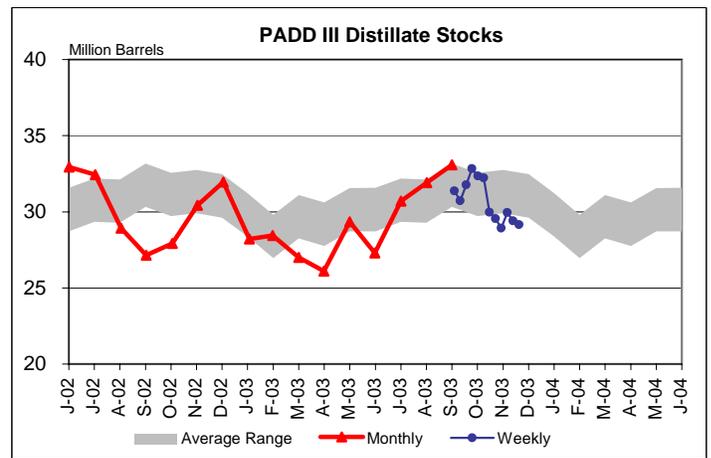
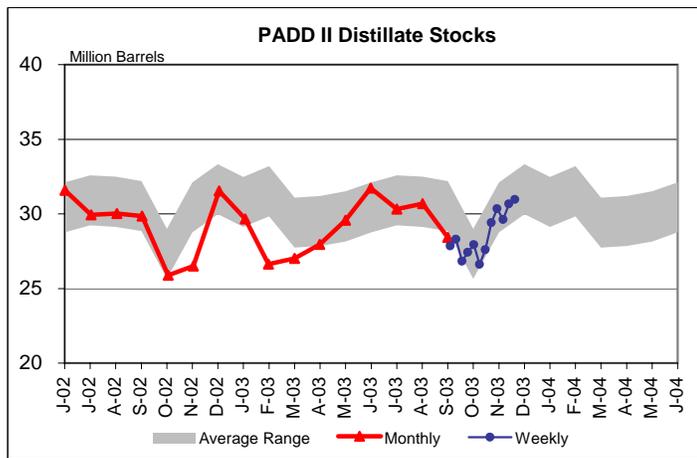
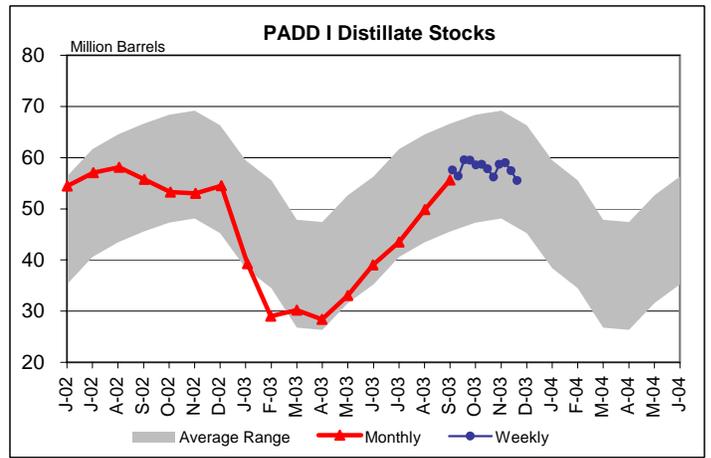
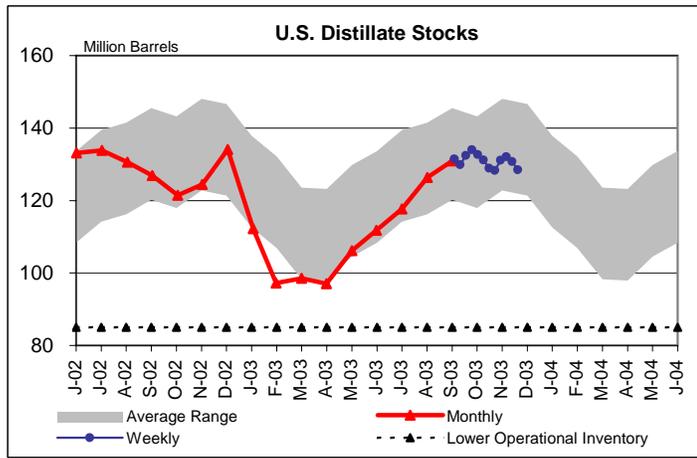
(Million Barrels)

Year/District	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2002												
Total U.S.	136.9	130.0	123.1	122.4	127.0	133.1	133.8	130.6	126.9	121.4	124.4	134.1
0.05% Sulfur and Under	80.0	77.9	74.2	74.3	77.0	79.3	76.9	71.0	68.3	65.5	71.5	80.7
Greater than 0.05% Sulfur	56.9	52.1	48.9	48.1	50.0	53.8	56.9	59.6	58.5	55.9	52.9	53.4
East Coast (PADD I)	55.1	49.9	45.2	43.2	46.9	54.5	57.1	58.1	55.8	53.3	53.0	54.5
0.05% Sulfur and Under	20.9	18.7	15.9	14.9	18.0	22.1	20.8	19.6	17.7	16.4	19.0	21.0
Greater than 0.05% Sulfur	34.2	31.2	29.3	28.4	28.8	32.3	36.2	38.5	38.1	36.9	34.0	33.5
New England (PADD IA)	9.9	8.8	7.3	7.2	7.8	8.6	9.8	10.2	9.6	8.2	8.3	8.1
Central Atlantic (PADD IB)	32.4	28.4	25.5	24.4	26.4	30.6	33.3	34.8	34.1	33.5	31.7	31.5
Lower Atlantic (PADD IC)	12.9	12.7	12.5	11.7	12.7	15.3	13.9	13.1	12.1	11.6	13.1	14.9
Midwest (PADD II)	33.9	35.0	32.9	32.4	31.1	31.6	29.9	30.0	29.9	25.9	26.5	31.5
0.05% Sulfur and Under	26.0	27.0	25.1	24.6	23.3	23.0	22.5	21.6	20.8	18.5	19.5	24.3
Greater than 0.05% Sulfur	7.9	8.0	7.8	7.8	7.8	8.6	7.5	8.4	9.1	7.4	7.0	7.3
Gulf Coast (PADD III)	32.5	31.1	30.5	32.1	33.5	32.9	32.4	28.9	27.1	27.9	30.4	31.9
0.05% Sulfur and Under	20.9	20.7	21.3	23.1	22.8	22.6	21.7	18.7	18.4	19.0	21.2	22.4
Greater than 0.05% Sulfur	11.7	10.3	9.2	9.0	10.7	10.4	10.7	10.2	8.7	8.9	9.3	9.6
Rocky Mountain (PADD IV)	3.2	3.3	3.1	3.1	3.3	3.3	3.1	2.6	2.9	3.0	3.5	3.8
0.05% Sulfur and Under	2.8	3.0	2.7	2.6	2.8	2.8	2.7	2.3	2.4	2.6	3.0	3.2
Greater than 0.05% Sulfur	0.4	0.4	0.4	0.4	0.4	0.5	0.4	0.3	0.5	0.4	0.5	0.6
West Coast (PADD V)	12.1	10.7	11.4	11.6	12.2	10.9	11.3	10.9	11.2	11.4	10.9	12.3
0.05% Sulfur and Under	9.4	8.4	9.1	9.1	10.0	8.8	9.2	8.7	9.0	9.0	8.7	9.9
Greater than 0.05% Sulfur	2.7	2.3	2.3	2.5	2.3	2.1	2.1	2.1	2.2	2.3	2.2	2.5
2003												
Total U.S.	112.2	97.2	98.5	97.1	106.1	111.8	117.7	126.4	130.9			
0.05% Sulfur and Under	68.4	60.5	63.5	65.9	71.9	74.0	74.8	76.0	76.6			
Greater than 0.05% Sulfur	43.8	36.7	35.0	31.2	34.2	37.8	42.9	50.4	54.4			
East Coast (PADD I)	39.3	29.0	30.2	28.4	33.1	39.0	43.5	49.8	55.6			
0.05% Sulfur and Under	15.6	12.3	13.9	15.2	17.5	18.6	20.2	19.5	20.4			
Greater than 0.05% Sulfur	23.7	16.7	16.3	13.2	15.6	20.4	23.3	30.4	35.2			
New England (PADD IA)	5.8	3.7	4.5	3.2	4.4	7.1	7.8	8.0	8.9			
Central Atlantic (PADD IB)	22.4	15.1	15.6	13.2	15.8	20.0	23.2	28.7	33.3			
Lower Atlantic (PADD IC)	11.1	10.1	10.0	12.1	12.9	11.9	12.6	13.1	13.3			
Midwest (PADD II)	29.7	26.6	27.0	28.0	29.6	31.7	30.3	30.7	28.4			
0.05% Sulfur and Under	23.0	19.7	19.6	20.6	21.5	23.9	23.0	23.3	21.6			
Greater than 0.05% Sulfur	6.7	7.0	7.4	7.4	8.1	7.8	7.3	7.4	6.8			
Gulf Coast (PADD III)	28.2	28.5	27.0	26.1	29.3	27.3	30.7	31.9	33.1			
0.05% Sulfur and Under	17.6	18.0	18.3	18.6	21.5	20.4	21.3	22.3	23.5			
Greater than 0.05% Sulfur	10.6	10.5	8.7	7.5	7.8	6.9	9.4	9.6	9.6			
Rocky Mountain (PADD IV)	3.6	3.2	3.6	3.4	2.9	3.2	2.9	2.8	3.0			
0.05% Sulfur and Under	3.1	2.7	3.1	3.0	2.5	2.7	2.4	2.3	2.6			
Greater than 0.05% Sulfur	0.5	0.5	0.5	0.4	0.4	0.6	0.5	0.5	0.5			
West Coast (PADD V)	11.5	9.9	10.7	11.2	11.2	10.6	10.3	11.2	10.8			
0.05% Sulfur and Under	9.1	7.9	8.5	8.5	8.9	8.4	7.8	8.6	8.5			
Greater than 0.05% Sulfur	2.4	2.0	2.2	2.7	2.3	2.1	2.4	2.6	2.3			
2003												
	10/3	10/10	10/17	10/24	10/31	11/7	11/14	11/21	11/28	12/5	12/12	12/19
Total U.S.	131.5	129.8	132.4	134.0	132.7	131.2	128.9	128.3	131.1	132.1	130.7	128.4
0.05% Sulfur and Under	77.3	75.9	76.9	75.8	75.9	74.4	73.2	73.4	75.4	76.2	78.3	75.5
Greater than 0.05% Sulfur	54.2	54.0	55.6	58.2	56.8	56.7	55.7	54.9	55.7	55.9	52.4	52.9
East Coast (PADD I)	57.6	56.3	59.5	59.5	58.6	58.7	57.8	56.2	58.7	59.0	57.5	55.5
0.05% Sulfur and Under	21.4	21.2	22.5	21.7	22.3	21.6	20.8	20.8	22.2	22.6	23.6	22.6
Greater than 0.05% Sulfur	36.1	35.2	37.0	37.8	36.2	37.1	37.0	35.4	36.5	36.4	33.9	32.9
New England (PADD IA)	9.1	8.9	9.2	9.2	9.5	9.8	9.8	9.3	9.6	8.5	7.5	7.9
Central Atlantic (PADD IB)	33.8	33.4	34.3	34.4	33.9	34.0	33.5	33.4	34.2	35.9	34.7	33.4
Lower Atlantic (PADD IC)	14.6	14.0	16.0	15.8	15.2	14.9	14.6	13.4	14.9	14.6	15.3	14.2
Midwest (PADD II)	27.8	28.3	26.8	27.4	27.9	26.6	27.6	29.4	30.3	29.6	30.7	31.0
0.05% Sulfur and Under	20.9	21.3	19.8	20.2	20.0	18.9	20.3	21.2	22.0	22.0	23.3	23.2
Greater than 0.05% Sulfur	7.0	7.0	7.1	7.2	7.9	7.7	7.3	8.3	8.3	7.6	7.4	7.8
Gulf Coast (PADD III)	31.4	30.7	31.8	32.8	32.4	32.2	30.0	29.6	28.9	30.0	29.4	29.2
0.05% Sulfur and Under	22.9	21.7	23.1	22.7	22.5	22.8	21.2	21.1	20.8	20.9	20.7	19.6
Greater than 0.05% Sulfur	8.5	9.1	8.6	10.1	9.9	9.4	8.7	8.4	8.1	9.1	8.7	9.6
Rocky Mountain (PADD IV)	3.0	3.0	2.9	3.0	2.9	2.9	3.0	2.9	2.9	3.0	3.0	2.9
0.05% Sulfur and Under	2.6	2.6	2.5	2.6	2.6	2.5	2.7	2.5	2.4	2.6	2.6	2.5
Greater than 0.05% Sulfur	0.4	0.4	0.4	0.4	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4
West Coast (PADD V)	11.7	11.5	11.4	11.2	11.0	10.8	10.5	10.2	10.3	10.6	10.2	10.0
0.05% Sulfur and Under	9.4	9.1	8.9	8.6	8.6	8.6	8.2	7.8	7.9	8.2	8.1	7.8
Greater than 0.05% Sulfur	2.2	2.4	2.5	2.6	2.4	2.2	2.3	2.4	2.3	2.3	2.1	2.2

Note: * PADD and sub-PADD data may not add to total due to independent rounding.

Source: See page 30.

Figure 5. Stocks of Distillate Fuel Oil by PAD District, June 2002 to Present



Note: The Lower Operational Inventory for distillate fuel stocks is 85.0 million barrels. See Appendix A for further explanation.

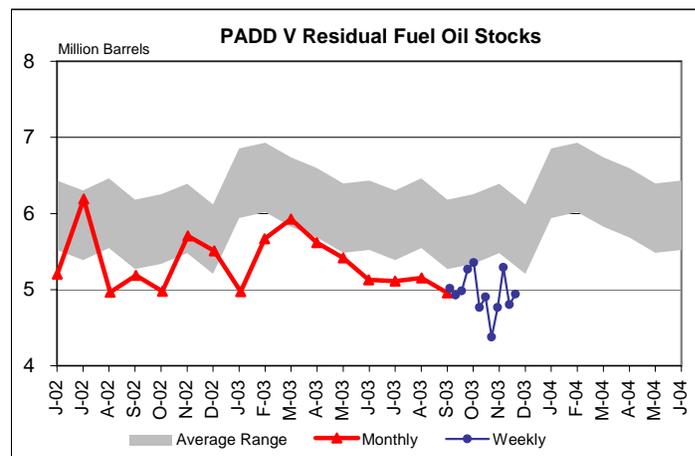
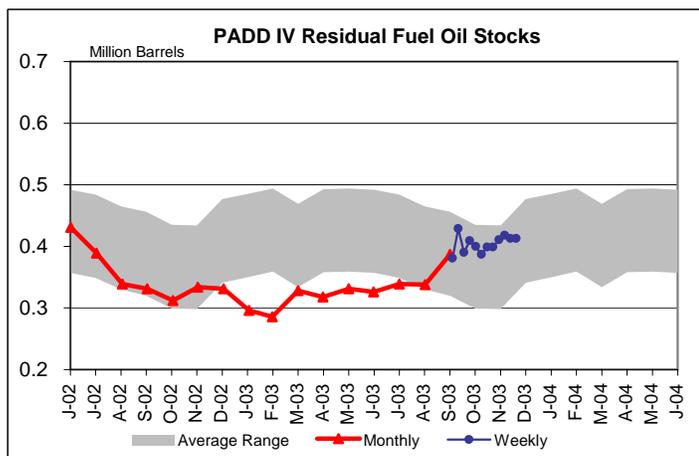
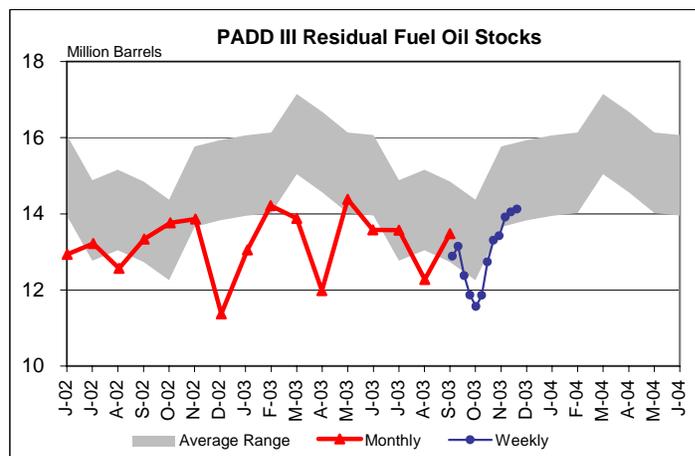
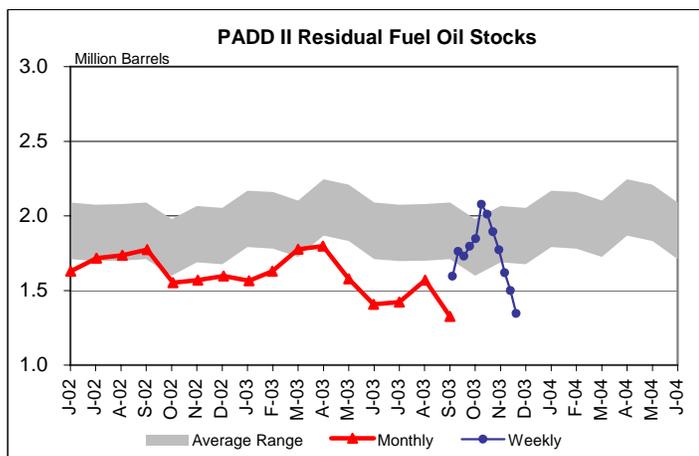
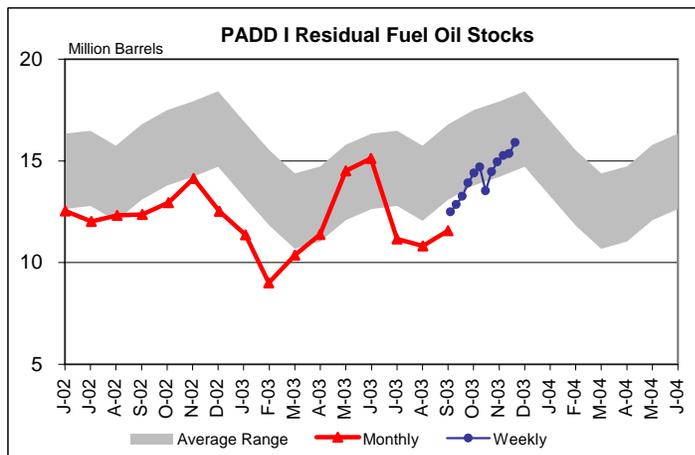
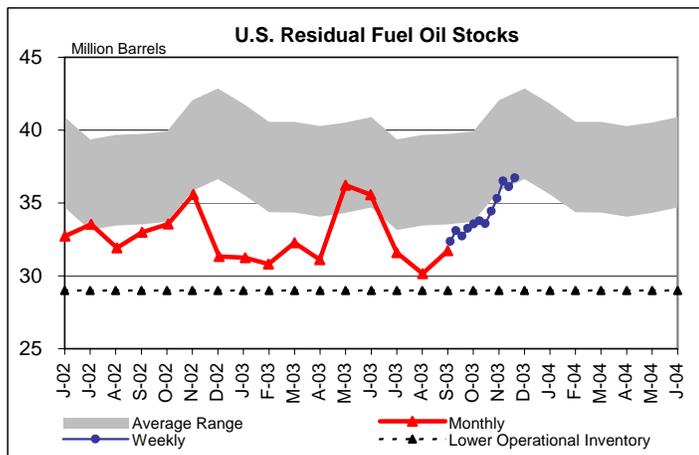
Table 6. Stocks of Residual Fuel Oil by PAD District, January 2002 to Present

(Million Barrels)

Year/District	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2002												
Total U.S.	41.4	39.0	34.3	34.6	33.9	32.7	33.5	31.9	33.0	33.6	35.6	31.3
East Coast (PADD I)	15.7	14.2	10.9	12.2	13.0	12.5	12.0	12.3	12.4	13.0	14.1	12.5
New England (PADD IA)	1.4	1.2	1.1	0.8	1.1	0.9	0.5	0.7	1.0	0.8	0.8	0.8
Central Atlantic (PADD IB)	11.7	9.7	7.3	8.1	8.7	8.5	8.4	8.7	9.1	9.6	10.6	9.3
Lower Atlantic (PADD IC)	2.5	3.4	2.5	3.3	3.2	3.1	3.1	3.0	2.3	2.6	2.7	2.4
Midwest (PADD II)	2.2	2.1	1.8	2.0	1.8	1.6	1.7	1.7	1.8	1.6	1.6	1.6
Gulf Coast (PADD III)	16.5	15.7	15.2	14.1	13.1	12.9	13.2	12.6	13.3	13.8	13.9	11.4
Rocky Mountain (PADD IV)	0.6	0.6	0.5	0.5	0.5	0.4	0.4	0.3	0.3	0.3	0.3	0.3
West Coast (PADD V)	6.5	6.4	5.9	5.8	5.5	5.2	6.2	5.0	5.2	5.0	5.7	5.5
2003												
Total U.S.	31.3	30.8	32.3	31.1	36.2	35.6	31.6	30.2	31.7			
East Coast (PADD I)	11.4	9.0	10.4	11.4	14.5	15.1	11.2	10.8	11.6			
New England (PADD IA)	0.7	0.6	0.7	0.6	0.9	0.9	0.8	1.0	0.9			
Central Atlantic (PADD IB)	8.5	6.2	7.4	8.7	10.9	11.3	8.1	7.3	8.3			
Lower Atlantic (PADD IC)	2.2	2.2	2.3	2.1	2.8	2.9	2.3	2.6	2.4			
Midwest (PADD II)	1.6	1.6	1.8	1.8	1.6	1.4	1.4	1.6	1.3			
Gulf Coast (PADD III)	13.0	14.2	13.9	12.0	14.4	13.6	13.6	12.3	13.5			
Rocky Mountain (PADD IV)	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4			
West Coast (PADD V)	5.0	5.7	5.9	5.6	5.4	5.1	5.1	5.2	5.0			
2003												
	10/3	10/10	10/17	10/24	10/31	11/7	11/14	11/21	11/28	12/5	12/12	12/19
Total U.S.	32.4	33.1	32.7	33.3	33.6	33.8	33.6	34.4	35.3	36.5	36.1	36.7
East Coast (PADD I)	12.5	12.8	13.3	13.9	14.4	14.7	13.5	14.5	14.9	15.3	15.4	15.9
New England (PADD IA)	0.8	1.0	1.0	0.9	0.9	0.9	1.0	0.9	1.0	0.9	1.0	0.9
Central Atlantic (PADD IB)	9.2	9.1	9.8	10.2	11.0	11.9	10.9	11.3	11.6	11.9	11.8	12.0
Lower Atlantic (PADD IC)	2.5	2.8	2.5	2.8	2.4	1.9	1.7	2.2	2.3	2.4	2.6	3.0
Midwest (PADD II)	1.6	1.8	1.7	1.8	1.8	2.1	2.0	1.9	1.8	1.6	1.5	1.3
Gulf Coast (PADD III)	12.9	13.1	12.4	11.9	11.6	11.9	12.7	13.3	13.4	13.9	14.0	14.1
Rocky Mountain (PADD IV)	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
West Coast (PADD V)	5.0	4.9	5.0	5.3	5.4	4.8	4.9	4.4	4.8	5.3	4.8	4.9

Note: PADD and sub-PADD data may not add to total due to independent rounding.
Source: See page 30.

Figure 6. Stocks of Residual Fuel Oil by PAD District, June 2002 to Present



Note: The Lower Operational Inventory for residual fuel stocks is 29.0 million barrels. See Appendix A for further explanation.

Table 7. Net Production, Imports, and Stocks of Propane/Propylene by PAD Districts I, II, and III, January 2002 to Present
(Thousand Barrels per Day)

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2002												
Net Production ¹ U.S.	1082	1114	1111	1135	1159	1133	1137	1142	1091	1080	1143	1127
East Coast (PADD I)	62	65	63	61	62	59	58	52	52	61	60	61
New England (PADD IA)	0	0	0	0	0	0	0	0	0	0	0	0
Central Atlantic (PADD IB)	51	53	52	52	52	48	47	41	41	50	48	49
Lower Atlantic (PADD IC)	11	11	11	10	11	10	11	11	11	11	12	11
Midwest (PADD II)	212	216	209	223	223	221	216	218	211	212	218	207
Gulf Coast (PADD III)	674	698	702	710	733	720	730	737	692	667	725	714
Imports U.S.	201	179	147	157	87	101	120	116	131	144	170	193
East Coast (PADD I)	47	47	30	35	5	18	17	5	31	8	27	42
New England (PADD IA)	13	14	21	15	3	3	16	3	11	3	16	16
Central Atlantic (PADD IB)	25	14	5	3	3	2	2	2	7	5	6	10
Lower Atlantic (PADD IC)	9	19	4	18	0	13	0	0	13	0	5	16
Midwest (PADD II)	134	117	106	117	79	73	98	105	94	129	134	142
Gulf Coast (PADD III)	0	0	0	0	0	9	3	4	2	0	0	0
Stocks (Million Barrels)												
U.S.	53.5	42.6	39.3	45.9	50.8	58.3	64.2	68.2	70.6	65.1	61.8	52.6
East Coast (PADD I)	4.5	4.2	4.3	4.4	4.3	4.9	5.6	5.8	6.3	5.8	5.5	4.7
New England (PADD IA)	0.3	0.4	0.6	0.6	0.4	0.2	0.9	0.8	1.0	0.8	0.8	0.9
Central Atlantic (PADD IB)	1.8	1.8	1.7	1.5	1.7	2.1	2.3	2.6	2.5	2.3	2.0	1.3
Lower Atlantic (PADD IC)	2.5	2.0	2.0	2.3	2.2	2.6	2.4	2.5	2.8	2.8	2.7	2.4
Midwest (PADD II)	21.5	17.6	13.8	16.4	18.4	20.4	21.8	24.2	25.4	23.2	22.2	19.2
Gulf Coast (PADD III)	24.6	18.6	19.4	23.2	25.8	30.4	33.8	34.8	35.2	32.4	30.6	26.0
2003												
Net Production ¹ U.S.	1063	1068	1061	1080	1063	1046	1054	1071	1093			
East Coast (PADD I)	56	53	54	60	61	62	57	55	62			
New England (PADD IA)	0	0	0	0	0	0	0	0	0			
Central Atlantic (PADD IB)	47	43	43	50	50	53	51	48	52			
Lower Atlantic (PADD IC)	9	11	11	10	10	10	7	7	10			
Midwest (PADD II)	206	203	188	206	208	205	206	202	202			
Gulf Coast (PADD III)	662	681	685	675	657	643	654	678	686			
Imports U.S.	161	176	124	94	119	179	200	154	182			
East Coast (PADD I)	18	57	39	25	30	9	7	14	9			
New England (PADD IA)	6	33	16	15	14	1	3	3	3			
Central Atlantic (PADD IB)	12	12	7	4	3	2	4	4	6			
Lower Atlantic (PADD IC)	0	12	16	5	13	6	0	6	0			
Midwest (PADD II)	134	112	74	48	42	51	40	65	85			
Gulf Coast (PADD III)	0	0	3	19	46	119	151	73	85			
Stocks (Million Barrels)												
U.S.	33.9	22.1	21.6	23.7	33.9	46.0	55.5	60.4	62.4			
East Coast (PADD I)	2.1	1.8	2.2	2.8	4.2	4.3	4.5	4.3	4.0			
New England (PADD IA)	0.1	0.3	0.3	0.4	0.9	0.7	0.5	0.6	0.3			
Central Atlantic (PADD IB)	0.8	0.6	0.8	1.1	1.3	1.4	1.7	2.0	1.9			
Lower Atlantic (PADD IC)	1.2	0.9	1.2	1.2	2.0	2.2	2.3	1.8	1.7			
Midwest (PADD II)	13.2	7.6	6.5	6.4	9.6	13.6	16.9	19.5	21.1			
Gulf Coast (PADD III)	16.9	11.6	12.0	13.1	19.2	26.6	32.0	34.1	34.4			
2003												
	10/3	10/10	10/17	10/24	10/31	11/7	11/14	11/21	11/28	12/5	12/12	12/19
Net Production ¹												
East Coast (PADD I)	67	70	58	62	65	65	52	46	55	57	52	60
New England (PADD IA)	0	0	0	0	0	0	0	0	0	0	0	0
Central Atlantic (PADD IB)	61	64	52	56	58	65	51	45	54	56	50	59
Lower Atlantic (PADD IC)	7	7	6	6	7	0	1	1	1	1	2	2
Midwest (PADD II)	200	182	199	200	199	217	186	207	221	235	190	192
Gulf Coast (PADD III)	675	645	655	696	682	630	652	673	705	716	710	658
Imports												
East Coast (PADD I)	5	83	42	63	6	23	8	9	49	61	9	12
New England (PADD IA)	1	1	15	59	2	2	2	2	43	34	2	4
Central Atlantic (PADD IB)	4	4	4	5	4	5	6	7	6	7	7	8
Lower Atlantic (PADD IC)	0	78	22	0	0	15	0	0	0	21	0	0
Midwest (PADD II)	79	73	60	67	109	73	86	86	80	83	123	122
Gulf Coast (PADD III)	113	0	15	27	121	0	0	20	75	0	0	0
Stocks (Million Barrels)												
U.S.	64.5	65.8	66.3	65.4	66.8	65.6	65.0	64.3	64.2	61.9	59.4	55.0
East Coast (PADD I)	4.2	4.4	4.6	5.1	4.8	5.1	5.5	5.2	5.4	5.5	5.1	4.5
New England (PADD IA)	0.3	0.2	0.3	0.6	0.4	0.3	0.6	0.5	0.7	0.8	0.6	0.4
Central Atlantic (PADD IB)	1.9	1.8	1.8	1.9	1.8	2.0	2.1	1.9	1.9	1.9	1.8	1.6
Lower Atlantic (PADD IC)	1.9	2.4	2.6	2.6	2.5	2.8	2.8	2.8	2.8	2.9	2.7	2.5
Midwest (PADD II)	21.9	22.1	22.4	23.1	23.7	23.8	23.5	23.9	24.5	24.0	23.5	22.2
Gulf Coast (PADD III)	35.3	36.2	36.2	34.2	35.2	33.7	32.9	32.2	31.2	29.5	28.1	25.7
Propylene (Nonfuel use) ²												
PADD I, II, and III	2.8	3.1	3.1	1.7	2.1	2.1	1.9	1.7	1.6	1.6	1.7	1.8

¹ Net production equals gross production minus input. Negative production will occur when the amount of product produced during the month is less than the amount of that same product reprocessed (input) or reclassified to become another product during the same month.

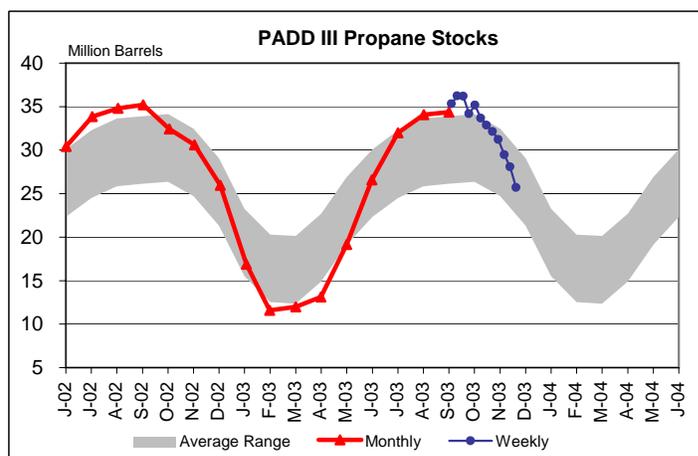
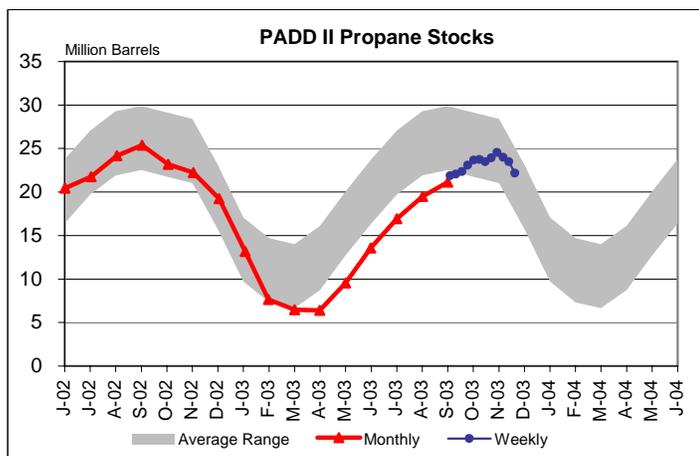
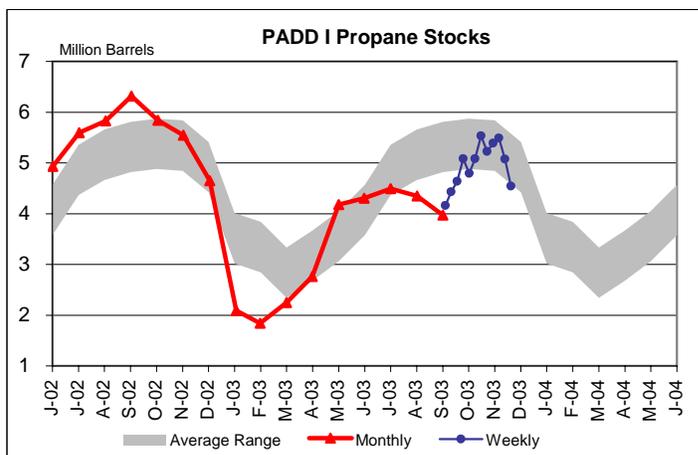
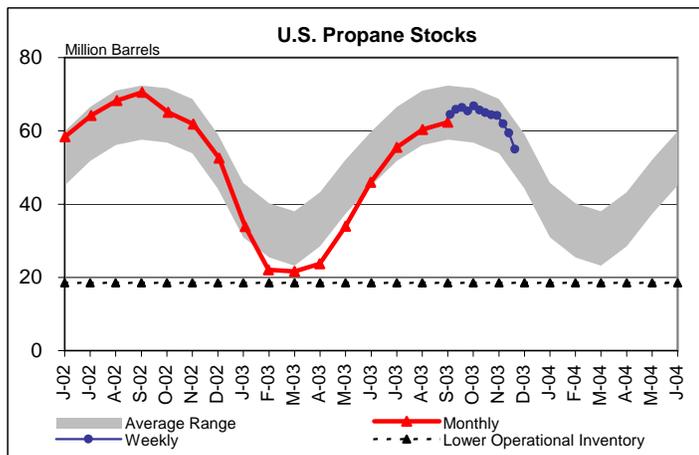
² Collection of weekly Propylene (Nonfuel use) inventory data began with week ending January 10, 2003.

NA=Not Available.

Notes: • This table presents weekly data, derived from a cut-off sample of refineries and fractionators that produce propane and from companies that import or store propane, which have been extrapolated to the universe of companies reporting in PADDs 1, 2, and 3. • Totals may not equal sum of components due to independent rounding. Propylene (Nonfuel use) data collected from bulk terminal facilities in PADDs 1, 2, and 3.

Source: Energy Information Administration (EIA), Monthly Petroleum Supply Reporting System and data collected on Form EIA-807, "Propane Telephone Survey." Magnitudes of revisions to monthly data are published in Appendix C of the Petroleum Supply Monthly.

Figure 7. Stocks of Propane by PAD Districts I, II, and III, June 2002 to Present



Note: The Lower Operational Inventory for propane stocks is 18.5 million barrels. See Appendix A for further explanation.

Figure 8. U.S. Imports of Crude Oil and Petroleum Products, July 2002 to Present

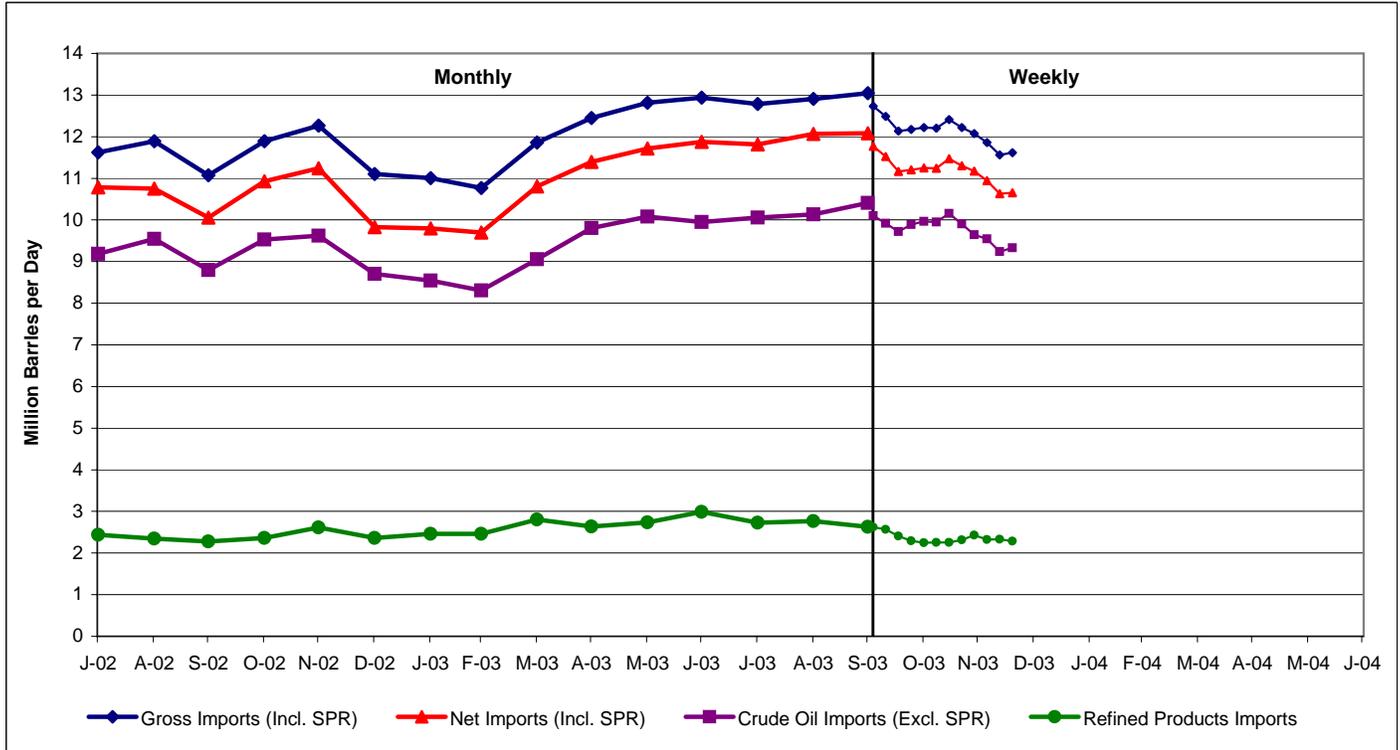


Table 8. U.S. Imports of Crude Oil and Petroleum Products, January 2002 to Present
(Thousand Barrels per Day)

Year/Product	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2002												
Crude Oil (Excl. SPR)	8,675	8,694	8,799	9,301	9,307	9,307	9,184	9,544	8,797	9,532	9,620	8,707
SPR	33	59	0	0	16	17	0	0	0	0	34	34
Refined Products	2,380	2,151	2,399	2,464	2,446	2,429	2,440	2,346	2,278	2,361	2,613	2,359
Gross Imports (Incl. SPR)	11,088	10,904	11,198	11,765	11,769	11,753	11,624	11,890	11,075	11,893	12,268	11,100
Total Exports ¹	861	1,175	853	890	910	880	839	1,138	1,015	962	1,026	1,272
Net Imports (Incl. SPR)	10,228	9,729	10,345	10,876	10,859	10,873	10,785	10,752	10,059	10,931	11,242	9,828
2003												
Crude Oil (Excl. SPR)	8,547	8,303	9,055	9,807	10,078	9,951	10,059	10,137	10,412			
SPR	0	0	0	0	0	0	0	0	0			
Refined Products	2,461	2,460	2,802	2,639	2,736	2,990	2,729	2,767	2,630			
Gross Imports (Incl. SPR)	11,008	10,764	11,857	12,446	12,814	12,941	12,788	12,904	13,042			
Total Exports ¹	1,212	1,067	1,051	1,053	1,097	1,065	976	836	960			
Net Imports (Incl. SPR)	9,796	9,697	10,806	11,394	11,717	11,875	11,812	12,068	12,082			
Average for Four-Week Period Ending:												
2003												
	10/3	10/10	10/17	10/24	10/31	11/7	11/14	11/21	11/28	12/5	12/12	12/19
Crude Oil (Excl. SPR)	10,106	9,921	9,724	9,886	9,967	9,949	10,159	9,907	9,645	9,541	9,238	9,329
SPR	0	0	0	0	0	0	0	0	0	0	0	0
Refined Products	2,624	2,568	2,407	2,291	2,250	2,253	2,251	2,316	2,428	2,322	2,327	2,287
Gross Imports (Incl. SPR)	12,730	12,489	12,132	12,177	12,217	12,202	12,411	12,223	12,073	11,863	11,565	11,615
Total Exports ¹	963	967	970	976	969	958	941	922	903	918	937	960
Net Imports (Incl. SPR)	11,767	11,523	11,162	11,201	11,248	11,245	11,470	11,301	11,170	10,946	10,628	10,656

¹ Includes exports of crude oil and refined petroleum products. Crude oil exports are restricted to (1) crude oil derived from fields under the State waters of Alaska's Cook Inlet, (2) certain domestically produced crude oil destined for Canada, and (3) shipments to U.S. territories.

Notes: Some data are estimates. See Sources for clarification of estimated data. Data may not add to total due to independent rounding.

Source: See page 30.

Figure 9. U.S. Imports of Petroleum Products, July 2002 to Present

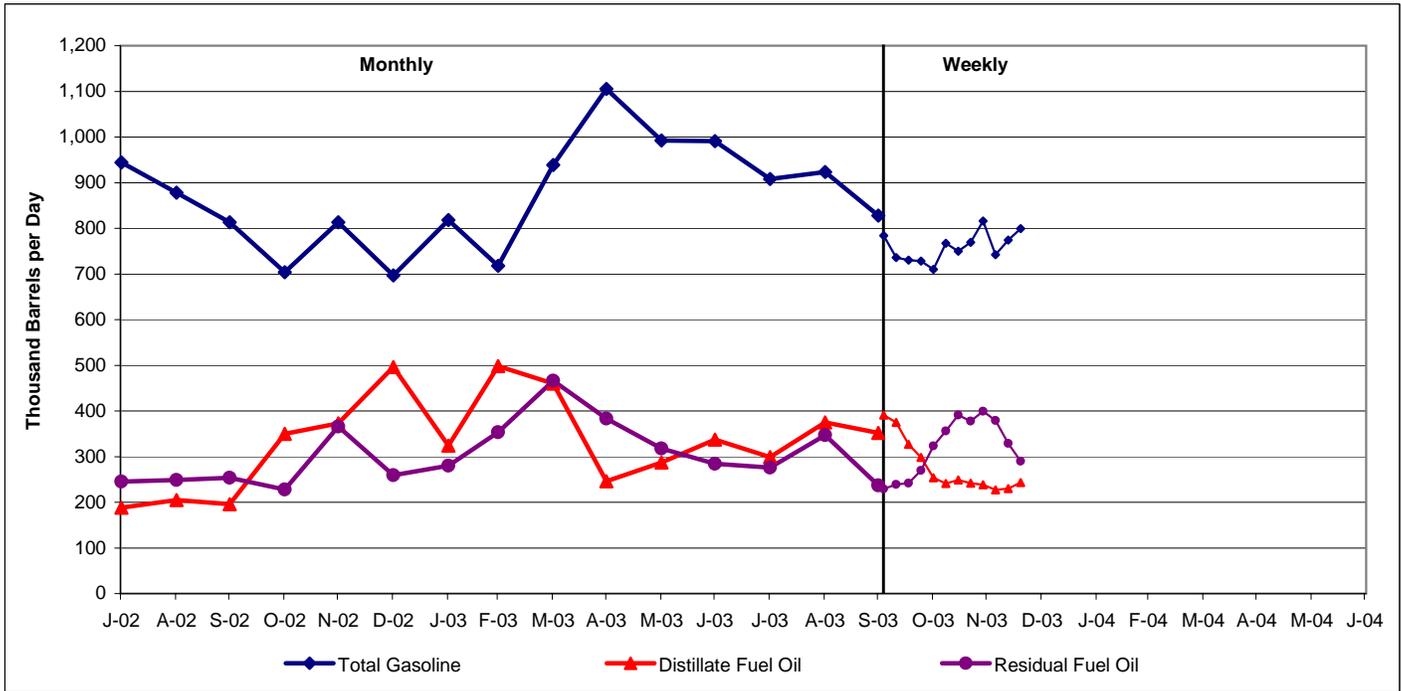


Table 9. U.S. Imports of Petroleum Products by Product, January 2002 to Present
(Thousand Barrels per Day)

Year/Product	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2002												
Total Motor Gasoline	712	708	798	841	899	904	944	878	813	704	813	697
Reformulated	222	212	188	225	176	290	257	247	224	198	284	275
Oxygenated	0	0	0	0	0	0	0	0	0	0	0	0
Conventional	207	230	316	287	304	295	269	292	256	266	264	195
Blending Components	284	266	294	329	419	318	418	340	333	239	265	227
Jet Fuel	99	107	109	137	79	81	92	112	111	171	117	75
Distillate Fuel Oil	298	248	234	219	193	204	188	205	196	350	373	496
0.05% Sulfur and Under	97	94	71	83	96	107	88	91	101	155	162	135
Greater than 0.05% Sulfur	201	154	163	137	97	97	100	113	96	195	211	361
Residual Fuel Oil	233	136	225	296	235	256	245	249	254	228	366	259
Other Petroleum Products ¹	1,037	952	1,033	971	1,039	985	970	902	903	908	944	832
2003												
Total Motor Gasoline	818	718	939	1,105	992	991	908	923	828			
Reformulated	209	169	236	241	241	253	255	282	306			
Oxygenated	0	0	0	0	0	0	0	0	0			
Conventional	265	256	305	438	322	237	269	283	228			
Blending Components	344	293	398	426	429	501	384	358	294			
Jet Fuel	94	109	107	106	121	117	124	127	134			
Distillate Fuel Oil	324	498	460	246	287	337	299	375	352			
0.05% Sulfur and Under	68	92	128	106	152	146	194	181	177			
Greater than 0.05% Sulfur	257	406	332	140	135	191	105	194	175			
Residual Fuel Oil	280	353	466	383	318	284	276	347	237			
Other Petroleum Products ¹	945	782	829	799	1,017	1,260	1,122	995	1,079			
Average for Four-Week Period Ending:												
2003												
Total Motor Gasoline	784	736	730	728	710	767	750	769	816	742	774	799
Reformulated	275	238	242	266	234	289	286	254	282	264	255	285
Oxygenated	0	0	0	0	0	0	0	0	0	0	0	0
Conventional	257	230	233	212	212	224	195	207	226	208	243	247
Blending Components	252	267	255	251	264	254	269	309	308	270	276	268
Jet Fuel	107	151	126	136	132	79	80	72	67	66	84	83
Distillate Fuel Oil	391	375	327	298	254	241	249	242	238	227	230	243
0.05% Sulfur and Under	185	174	132	117	109	124	131	123	114	98	104	121
Greater than 0.05% Sulfur	206	201	196	180	145	118	118	119	124	130	126	122
Residual Fuel Oil	229	239	242	270	323	356	391	378	399	379	329	290
Other Petroleum Products ¹	1,114	1,069	983	859	831	810	781	855	909	909	911	872

¹ Includes imports of kerosene, unfinished oils, liquefied petroleum gases, and other oils.
Source: See page 30.

Figure 10. U.S. Petroleum Products Supplied, July 2002 to Present

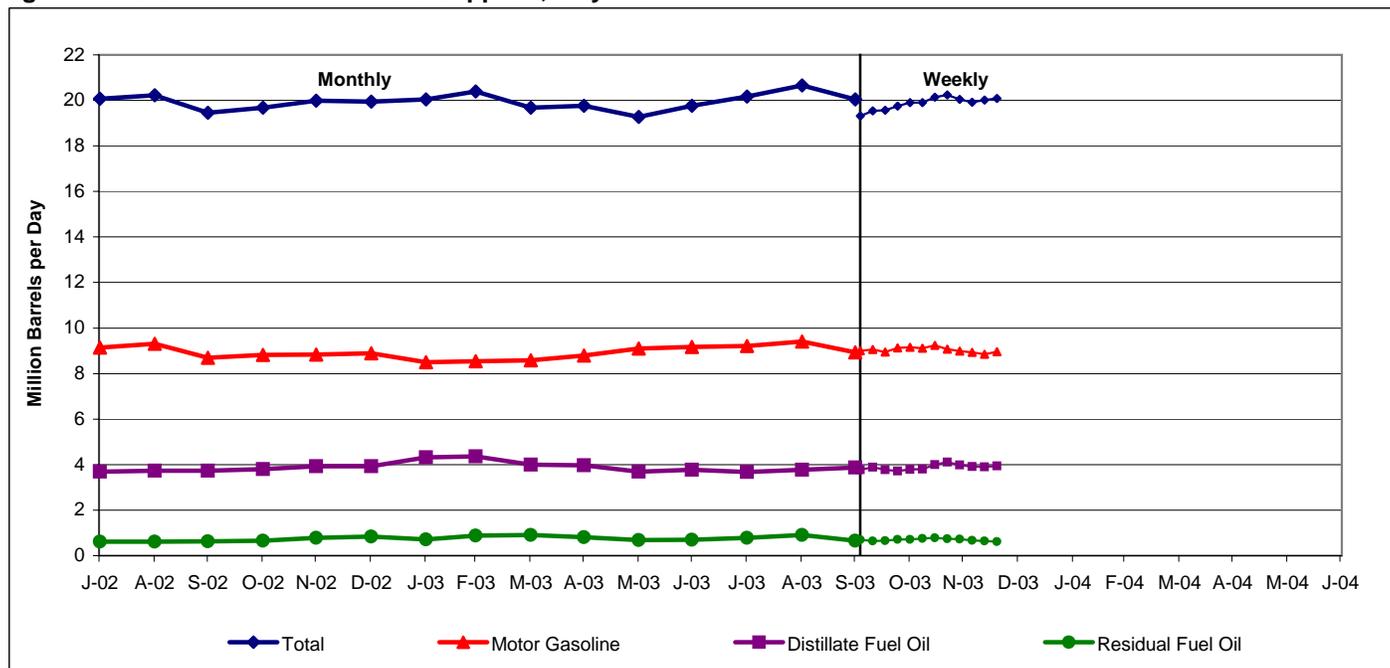


Table 10. U.S. Petroleum Products Supplied, January 2002 to Present
(Thousand Barrels per Day)

Year/Product	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2002												
Finished Motor Gasoline	8,227	8,607	8,655	8,766	9,078	9,140	9,143	9,313	8,687	8,814	8,829	8,893
Jet Fuel	1,587	1,532	1,581	1,658	1,527	1,647	1,680	1,610	1,601	1,614	1,616	1,706
Distillate Fuel Oil	3,940	3,714	3,750	3,821	3,679	3,587	3,683	3,728	3,730	3,808	3,929	3,934
Residual Fuel Oil	710	662	821	730	680	669	614	612	625	650	786	832
Other Oils	4,989	4,928	4,869	4,577	4,763	4,831	4,956	4,959	4,819	4,793	4,832	4,578
Total	19,454	19,444	19,676	19,552	19,728	19,875	20,076	20,221	19,461	19,678	19,991	19,943
2003												
Finished Motor Gasoline	8,504	8,540	8,585	8,785	9,097	9,165	9,209	9,410	8,927			
Jet Fuel	1,525	1,581	1,535	1,514	1,469	1,564	1,615	1,634	1,589			
Distillate Fuel Oil	4,325	4,359	4,000	3,972	3,692	3,775	3,678	3,778	3,878			
Residual Fuel Oil	710	877	912	809	690	694	786	903	657			
Other Oils	4,979	5,039	4,650	4,689	4,329	4,568	4,888	4,941	4,994			
Total	20,042	20,396	19,682	19,770	19,277	19,767	20,175	20,665	20,045			
Average for Four-Week Period Ending:												
2003												
	10/3	10/10	10/17	10/24	10/31	11/7	11/14	11/21	11/28	12/5	12/12	12/19
Finished Motor Gasoline	9,005	9,051	8,948	9,128	9,160	9,120	9,239	9,067	8,983	8,928	8,853	8,963
Jet Fuel	1,565	1,607	1,651	1,652	1,631	1,609	1,582	1,624	1,645	1,669	1,728	1,723
Distillate Fuel Oil	3,780	3,887	3,776	3,721	3,793	3,802	4,001	4,104	3,977	3,917	3,899	3,937
Residual Fuel Oil	703	642	656	713	713	757	777	740	723	677	649	619
Other Oils	4,265	4,356	4,539	4,538	4,602	4,621	4,542	4,702	4,713	4,727	4,892	4,848
Total	19,317	19,542	19,569	19,752	19,898	19,908	20,141	20,238	20,041	19,919	20,020	20,089

Note: Data may not add to total due to independent rounding.
Source: See page 30.

Table 11. U.S. and PAD District Weekly Estimates, Most Recent 4 Weeks

(Thousand Barrels per Day Except Where Noted)

	11/28/03	12/05/03	12/12/03	12/19/03
Crude Oil Production				
Domestic Production	5,709	5,597	5,592	5,663
Domestic Production 4-wk. Avg.	5,670	5,670	5,645	5,640
Refinery Inputs and Utilization				
Crude Oil Inputs	15,478	15,691	15,287	15,187
East Coast (PADD I)	1,565	1,665	1,506	1,689
Midwest (PADD II)	3,206	3,339	3,016	2,783
Gulf Coast (PADD III)	7,448	7,433	7,560	7,501
Rocky Mountain (PADD IV)	552	534	550	548
West Coast (PADD V)	2,707	2,720	2,655	2,666
Crude Oil Inputs 4-wk. Avg.	15,278	15,415	15,412	15,411
East Coast (PADD I) 4-wk. Avg.	1,454	1,491	1,509	1,606
Midwest (PADD II) 4-wk. Avg.	3,209	3,246	3,194	3,086
Gulf Coast (PADD III) 4-wk. Avg.	7,402	7,438	7,479	7,486
Rocky Mountain (PADD IV) 4-wk. Avg.	545	546	548	546
West Coast (PADD V) 4-wk. Avg.	2,668	2,694	2,683	2,687
Gross Inputs	15,659	15,792	15,415	15,342
East Coast (PADD I)	1,568	1,668	1,516	1,699
Midwest (PADD II)	3,248	3,421	3,058	2,813
Gulf Coast (PADD III)	7,480	7,417	7,581	7,568
Rocky Mountain (PADD IV)	555	527	543	542
West Coast (PADD V)	2,808	2,759	2,717	2,720
Gross Inputs 4-wk. Avg.	15,444	15,553	15,539	15,552
East Coast (PADD I) 4-wk. Avg.	1,455	1,493	1,515	1,613
Midwest (PADD II) 4-wk. Avg.	3,251	3,298	3,248	3,135
Gulf Coast (PADD III) 4-wk. Avg.	7,414	7,434	7,469	7,512
Rocky Mountain (PADD IV) 4-wk. Avg.	549	546	544	542
West Coast (PADD V) 4-wk. Avg.	2,776	2,782	2,764	2,751
Operable Capacity	16,757	16,757	16,757	16,757
Operable Capacity 4-wk. Avg.	16,757	16,757	16,757	16,757
Percent Utilization	93.5	94.2	92.0	91.6
Percent Utilization 4-wk. Avg.	92.2	92.8	92.7	92.8
Production by Product				
Finished Motor Gasoline	8,702	8,851	8,713	8,606
East Coast (PADD I)	1,057	1,017	1,076	1,063
Midwest (PADD II)	2,184	2,239	2,009	1,934
Gulf Coast (PADD III)	3,752	3,904	3,921	3,896
Rocky Mountain (PADD IV)	264	292	284	289
West Coast (PADD V)	1,444	1,399	1,423	1,424
Finished Motor Gasoline 4-wk. Avg.	8,681	8,764	8,750	8,718
East Coast (PADD I) 4-wk. Avg.	1,051	1,042	1,041	1,053
Midwest (PADD II) 4-wk. Avg.	2,108	2,163	2,132	2,092
Gulf Coast (PADD III) 4-wk. Avg.	3,779	3,829	3,863	3,868
Rocky Mountain (PADD IV) 4-wk. Avg.	282	282	284	282
West Coast (PADD V) 4-wk. Avg.	1,461	1,448	1,430	1,423
Reformulated	2,553	2,745	2,680	2,676
East Coast (PADD I)	508	601	595	586
Midwest (PADD II)	362	389	356	347
Gulf Coast (PADD III)	658	783	721	720
Rocky Mountain (PADD IV)	0	0	0	0
West Coast (PADD V)	1,025	972	1,008	1,023
Reformulated 4-wk. Avg.	2,573	2,613	2,611	2,664
East Coast (PADD I) 4-wk. Avg.	528	539	545	573
Midwest (PADD II) 4-wk. Avg.	361	373	369	364
Gulf Coast (PADD III) 4-wk. Avg.	635	673	683	721
Rocky Mountain (PADD IV) 4-wk. Avg.	0	0	0	0
West Coast (PADD V) 4-wk. Avg.	1,049	1,027	1,013	1,007
Oxygenated	1,114	1,345	1,121	1,045
East Coast (PADD I)	74	64	63	66
Midwest (PADD II)	799	1,041	772	770
Gulf Coast (PADD III)	26	22	22	22
Rocky Mountain (PADD IV)	64	54	90	63
West Coast (PADD V)	150	164	174	124

See footnotes at end of table.

Table 11. U.S. and PAD District Weekly Estimates, Most Recent 4 Weeks (continued)

(Thousand Barrels per Day Except Where Noted)

	11/28/03	12/05/03	12/12/03	12/19/03
Production by Product				
Oxygenated 4-wk. Avg.	1,188	1,220	1,194	1,156
East Coast (PADD I) 4-wk. Avg.	75	72	69	67
Midwest (PADD II) 4-wk. Avg.	864	906	876	846
Gulf Coast (PADD III) 4-wk. Avg.	27	26	24	23
Rocky Mountain (PADD IV) 4-wk. Avg.	61	59	66	68
West Coast (PADD V) 4-wk. Avg.	161	157	158	153
Conventional	5,035	4,761	4,912	4,885
East Coast (PADD I)	475	352	418	411
Midwest (PADD II)	1,023	809	881	817
Gulf Coast (PADD III)	3,068	3,099	3,178	3,154
Rocky Mountain (PADD IV)	200	238	194	226
West Coast (PADD V)	269	263	241	277
Conventional 4-wk. Avg.	4,921	4,932	4,946	4,898
East Coast (PADD I) 4-wk. Avg.	449	432	427	414
Midwest (PADD II) 4-wk. Avg.	883	884	887	883
Gulf Coast (PADD III) 4-wk. Avg.	3,117	3,130	3,155	3,125
Rocky Mountain (PADD IV) 4-wk. Avg.	221	224	218	215
West Coast (PADD V) 4-wk. Avg.	251	263	259	263
Jet Fuel	1,526	1,643	1,580	1,636
Jet Fuel 4-wk. Avg.	1,529	1,551	1,558	1,596
Naphtha-Type	0	0	0	0
Naphtha-Type 4-wk. Avg.	0	0	0	0
Kerosene-Type	1,526	1,643	1,580	1,636
East Coast (PADD I)	100	92	91	106
Midwest (PADD II)	170	212	167	171
Gulf Coast (PADD III)	787	893	840	869
Rocky Mountain (PADD IV)	28	26	31	35
West Coast (PADD V)	441	420	451	455
Kerosene-Type 4-wk. Avg.	1,529	1,551	1,558	1,596
East Coast (PADD I) 4-wk. Avg.	93	93	93	97
Midwest (PADD II) 4-wk. Avg.	187	192	184	180
Gulf Coast (PADD III) 4-wk. Avg.	783	804	818	847
Rocky Mountain (PADD IV) 4-wk. Avg.	27	27	29	30
West Coast (PADD V) 4-wk. Avg.	439	434	435	442
Commercial	1,368	1,479	1,415	1,481
East Coast (PADD I)	100	92	91	106
Midwest (PADD II)	156	189	153	157
Gulf Coast (PADD III)	703	795	739	763
Rocky Mountain (PADD IV)	20	22	24	29
West Coast (PADD V)	389	381	408	426
Commercial 4-wk. Avg.	1,373	1,394	1,402	1,436
East Coast (PADD I) 4-wk. Avg.	93	93	93	97
Midwest (PADD II) 4-wk. Avg.	170	174	166	164
Gulf Coast (PADD III) 4-wk. Avg.	695	713	725	750
Rocky Mountain (PADD IV) 4-wk. Avg.	21	22	23	24
West Coast (PADD V) 4-wk. Avg.	395	393	395	401
Military	158	164	165	155
East Coast (PADD I)	0	0	0	0
Midwest (PADD II)	14	23	14	14
Gulf Coast (PADD III)	84	98	101	106
Rocky Mountain (PADD IV)	8	4	7	6
West Coast (PADD V)	52	39	43	29
Military 4-wk. Avg.	156	156	157	161
East Coast (PADD I) 4-wk. Avg.	0	0	0	0
Midwest (PADD II) 4-wk. Avg.	17	19	18	16
Gulf Coast (PADD III) 4-wk. Avg.	88	91	93	97
Rocky Mountain (PADD IV) 4-wk. Avg.	6	5	6	6
West Coast (PADD V) 4-wk. Avg.	45	42	40	41
Distillate Fuel Oil	3,850	3,855	3,789	3,676
East Coast (PADD I)	383	440	455	428
Midwest (PADD II)	954	907	836	776
Gulf Coast (PADD III)	1,826	1,845	1,833	1,791
Rocky Mountain (PADD IV)	163	162	170	159
West Coast (PADD V)	524	501	495	522

See footnotes at end of table.

Table 11. U.S. and PAD District Weekly Estimates, Most Recent 4 Weeks (continued)

(Thousand Barrels per Day Except Where Noted)

	11/28/03	12/05/03	12/12/03	12/19/03
Production by Product				
Distillate Fuel Oil 4-wk. Avg.	3,789	3,822	3,830	3,793
East Coast (PADD I) 4-wk. Avg.	372	384	416	427
Midwest (PADD II) 4-wk. Avg.	920	922	910	868
Gulf Coast (PADD III) 4-wk. Avg.	1,817	1,839	1,833	1,824
Rocky Mountain (PADD IV) 4-wk. Avg.	169	166	167	164
West Coast (PADD V) 4-wk. Avg.	513	512	504	511
0.05% Sulfur and under	2,899	2,858	2,773	2,520
East Coast (PADD I)	153	220	230	138
Midwest (PADD II)	805	712	704	582
Gulf Coast (PADD III)	1,396	1,368	1,275	1,252
Rocky Mountain (PADD IV)	132	138	141	132
West Coast (PADD V)	413	420	423	416
0.05% Sulfur and under 4-wk. Avg.	2,798	2,850	2,842	2,763
East Coast (PADD I) 4-wk. Avg.	165	182	199	185
Midwest (PADD II) 4-wk. Avg.	736	743	745	701
Gulf Coast (PADD III) 4-wk. Avg.	1,343	1,368	1,346	1,323
Rocky Mountain (PADD IV) 4-wk. Avg.	139	138	138	136
West Coast (PADD V) 4-wk. Avg.	414	420	414	418
Greater than 0.05% Sulfur	951	997	1,016	1,156
East Coast (PADD I)	230	220	225	290
Midwest (PADD II)	149	195	132	194
Gulf Coast (PADD III)	430	477	558	539
Rocky Mountain (PADD IV)	31	24	29	27
West Coast (PADD V)	111	81	72	106
Greater than 0.05% Sulfur 4-wk. Avg.	992	972	988	1,030
East Coast (PADD I) 4-wk. Avg.	207	202	217	241
Midwest (PADD II) 4-wk. Avg.	184	179	166	168
Gulf Coast (PADD III) 4-wk. Avg.	474	471	487	501
Rocky Mountain (PADD IV) 4-wk. Avg.	29	28	29	28
West Coast (PADD V) 4-wk. Avg.	99	93	90	93
Residual Fuel Oil	556	626	642	615
East Coast (PADD I)	85	86	128	115
Midwest (PADD II)	43	57	49	45
Gulf Coast (PADD III)	269	287	285	279
Rocky Mountain (PADD IV)	15	15	12	13
West Coast (PADD V)	144	181	168	163
Residual Fuel Oil 4-wk. Avg.	568	582	603	610
East Coast (PADD I) 4-wk. Avg.	96	93	100	104
Midwest (PADD II) 4-wk. Avg.	52	51	50	49
Gulf Coast (PADD III) 4-wk. Avg.	261	266	277	280
Rocky Mountain (PADD IV) 4-wk. Avg.	14	15	14	14
West Coast (PADD V) 4-wk. Avg.	144	157	162	164
Stocks (Million Barrels)				
Crude Oil	284.3	277.9	272.8	274.5
East Coast (PADD I)	15.9	14.2	14.0	13.9
Midwest (PADD II)	59.1	57.8	57.1	57.5
Gulf Coast (PADD III)	146.7	144.1	142.0	140.4
Rocky Mountain (PADD IV)	11.5	11.6	11.5	11.7
West Coast (PADD V)	51.1	50.3	48.2	50.9
SPR ¹	633.4	634.2	634.7	635.7
Total Motor Gasoline	197.1	200.5	202.4	203.0
East Coast (PADD I)	50.0	51.4	52.5	54.8
New England (PADD IA)	3.8	3.3	3.7	3.7
Central Atlantic (PADD IB)	24.7	27.7	27.3	29.9
Lower Atlantic (PADD IC)	21.5	20.5	21.5	21.3
Midwest (PADD II)	52.0	52.3	52.3	51.4
Gulf Coast (PADD III)	60.6	61.3	61.6	61.4
Rocky Mountain (PADD IV)	6.6	6.7	6.7	6.8
West Coast (PADD V)	27.9	28.8	29.3	28.6
Finished Motor Gasoline	142.9	145.3	146.3	145.4
Reformulated	28.2	28.1	29.1	29.0
East Coast (PADD I)	15.4	13.9	15.4	15.8
Midwest (PADD II)	1.0	0.7	0.9	0.8
Gulf Coast (PADD III)	8.7	9.6	9.2	8.7
Rocky Mountain (PADD IV)	0.0	0.0	0.0	0.0
West Coast (PADD V)	3.1	3.9	3.7	3.7

See footnotes at end of table.

Table 11. U.S. and PAD District Weekly Estimates, Most Recent 4 Weeks (continued)

(Thousand Barrels per Day Except Where Noted)

	11/28/03	12/05/03	12/12/03	12/19/03
Stocks (Million Barrels)				
Oxygenated	0.4	0.4	0.5	0.5
East Coast (PADD I)	0.0	0.0	0.0	0.0
Midwest (PADD II)	0.1	0.2	0.2	0.2
Gulf Coast (PADD III)	0.1	0.0	0.0	0.0
Rocky Mountain (PADD IV)	0.1	0.1	0.1	0.1
West Coast (PADD V)	0.1	0.1	0.1	0.1
Conventional	114.3	116.7	116.6	116.0
East Coast (PADD I)	27.7	29.7	29.2	29.2
Midwest (PADD II)	38.6	39.0	38.7	38.0
Gulf Coast (PADD III)	34.8	34.6	35.4	36.3
Rocky Mountain (PADD IV)	4.9	5.0	4.9	5.0
West Coast (PADD V)	8.4	8.5	8.4	7.6
Blending Components	54.2	55.2	56.1	57.5
Jet Fuel	37.8	37.2	36.8	36.8
Naphtha-Type	0.0	0.0	0.0	0.0
Kerosene-Type	37.8	37.1	36.7	36.8
East Coast (PADD I)	9.1	9.4	8.8	9.8
Midwest (PADD II)	7.1	7.5	7.4	7.0
Gulf Coast (PADD III)	13.5	12.2	12.6	12.2
Rocky Mountain (PADD IV)	0.8	0.8	0.8	0.7
West Coast (PADD V)	7.3	7.3	7.1	7.0
Distillate Fuel Oil	131.1	132.1	130.7	128.4
East Coast (PADD I)	58.7	59.0	57.5	55.5
New England (PADD IA)	9.6	8.5	7.5	7.9
Central Atlantic (PADD IB)	34.2	35.9	34.7	33.4
Lower Atlantic (PADD IC)	14.9	14.6	15.3	14.2
Midwest (PADD II)	30.3	29.6	30.7	31.0
Gulf Coast (PADD III)	28.9	30.0	29.4	29.2
Rocky Mountain (PADD IV)	2.9	3.0	3.0	2.9
West Coast (PADD V)	10.3	10.6	10.2	10.0
0.05% Sulfur and under	75.4	76.2	78.3	75.5
East Coast (PADD I)	22.2	22.6	23.6	22.6
New England (PADD IA)	2.9	2.5	2.6	3.1
Central Atlantic (PADD IB)	10.1	10.7	11.7	10.7
Lower Atlantic (PADD IC)	9.1	9.3	9.4	8.8
Midwest (PADD II)	22.0	22.0	23.3	23.2
Gulf Coast (PADD III)	20.8	20.9	20.7	19.6
Rocky Mountain (PADD IV)	2.4	2.6	2.6	2.5
West Coast (PADD V)	7.9	8.2	8.1	7.8
Greater than 0.05% Sulfur	55.7	55.9	52.4	52.9
East Coast (PADD I)	36.5	36.4	33.9	32.9
New England (PADD IA)	6.7	5.9	5.0	4.9
Central Atlantic (PADD IB)	24.1	25.1	23.0	22.6
Lower Atlantic (PADD IC)	5.8	5.3	5.9	5.4
Midwest (PADD II)	8.3	7.6	7.4	7.8
Gulf Coast (PADD III)	8.1	9.1	8.7	9.6
Rocky Mountain (PADD IV)	0.4	0.4	0.4	0.4
West Coast (PADD V)	2.3	2.3	2.1	2.2
Residual Fuel Oil	35.3	36.5	36.1	36.7
East Coast (PADD I)	14.9	15.3	15.4	15.9
New England (PADD IA)	1.0	0.9	1.0	0.9
Central Atlantic (PADD IB)	11.6	11.9	11.8	12.0
Lower Atlantic (PADD IC)	2.3	2.4	2.6	3.0
Midwest (PADD II)	1.8	1.6	1.5	1.3
Gulf Coast (PADD III)	13.4	13.9	14.0	14.1
Rocky Mountain (PADD IV)	0.4	0.4	0.4	0.4
West Coast (PADD V)	4.8	5.3	4.8	4.9
Unfinished Oils	84.0	83.6	80.6	80.2
Other Oils	184.3	181.1	177.8	174.6
Total Stocks Excl SPR ²	953.8	948.9	937.2	934.2
Total Stocks Incl SPR ²	1,587.2	1,583.1	1,571.9	1,569.9
Imports				
Total Crude Oil Incl SPR	9,128	9,531	9,140	9,515
Total Crude Oil Incl SPR 4-wk. Avg.	9,645	9,541	9,238	9,329
Crude Oil Excl SPR	9,128	9,531	9,140	9,515
East Coast (PADD I)	1,545	1,546	1,487	1,468
Midwest (PADD II)	993	997	848	965
Gulf Coast (PADD III)	5,317	5,705	5,789	6,079
Rocky Mountain (PADD IV)	325	310	316	299
West Coast (PADD V)	948	973	700	704

See footnotes at end of table.

Table 11. U.S. and PAD District Weekly Estimates, Most Recent 4 Weeks (continued)

(Thousand Barrels per Day Except Where Noted)

	11/28/03	12/05/03	12/12/03	12/19/03
Imports				
Crude Oil Excl SPR 4-wk. Avg.	9,645	9,541	9,238	9,329
East Coast (PADD I) 4-wk. Avg.	1,606	1,518	1,509	1,512
Midwest (PADD II) 4-wk. Avg.	995	999	933	951
Gulf Coast (PADD III) 4-wk. Avg.	5,867	5,725	5,637	5,723
Rocky Mountain (PADD IV) 4-wk. Avg.	332	334	336	313
West Coast (PADD V) 4-wk. Avg.	846	966	824	831
SPR	0	0	0	0
SPR 4-wk. Avg.	0	0	0	0
Total Motor Gasoline	947	567	759	924
Reformulated	370	248	179	341
Oxygenated	0	0	0	0
Conventional	291	145	313	237
Blending Components	286	174	267	346
Total Motor Gasoline 4-wk. Avg.	816	742	774	799
Reformulated 4-wk. Avg.	282	264	255	285
Oxygenated 4-wk. Avg.	0	0	0	0
Conventional 4-wk. Avg.	226	208	243	247
Blending Components 4-wk. Avg.	308	270	276	268
Jet Fuel	69	82	128	53
Naphtha-Type	0	0	0	0
Kerosene-Type	69	82	128	53
Jet Fuel 4-wk. Avg.	67	66	84	83
Naphtha-Type 4-wk. Avg.	0	0	0	0
Kerosene-Type 4-wk. Avg.	67	66	84	83
Distillate Fuel Oil	232	195	246	297
0.05% Sulfur and under	138	98	116	130
Greater than 0.05% Sulfur	94	97	130	167
Distillate Fuel Oil 4-wk. Avg.	238	227	230	243
0.05% Sulfur and under 4-wk. Avg.	114	98	104	121
Greater than 0.05% Sulfur 4-wk. Avg.	124	130	126	122
Residual Fuel Oil	456	287	200	217
Residual Fuel Oil 4-wk. Avg.	399	379	329	290
Other	1,200	812	725	750
Other 4-wk. Avg.	909	909	911	872
Total Product Imports	2,904	1,943	2,058	2,241
Total Product Imports 4-wk. Avg.	2,428	2,322	2,327	2,287
Gross Imports (Incl SPR)	12,032	11,474	11,198	11,756
Gross Imports (Incl SPR) 4-wk. Avg.	12,073	11,863	11,565	11,615
Net Imports (Incl SPR)	11,158	10,486	10,210	10,768
Net Imports (Incl SPR) 4-wk. Avg.	11,170	10,946	10,628	10,656
Exports				
Total	874	988	988	988
Total 4-wk. Avg.	903	918	937	960
Crude Oil	10	10	10	10
Crude Oil 4-wk. Avg.	10	10	10	10
Products	864	978	978	978
Products 4-wk. Avg.	893	908	927	950
Product Supplied				
Finished Motor Gasoline	8,979	8,776	8,930	9,166
Finished Motor Gasoline 4-wk. Avg.	8,983	8,928	8,853	8,963
Jet Fuel	1,698	1,790	1,740	1,663
Naphtha-Type	0	0	0	0
Kerosene-Type	1,698	1,790	1,740	1,663
Jet Fuel 4-wk. Avg.	1,645	1,669	1,728	1,723
Naphtha-Type 4-wk. Avg.	0	0	0	0
Kerosene-Type 4-wk. Avg.	1,645	1,669	1,728	1,723
Distillate Fuel Oil	3,606	3,804	4,133	4,205
Distillate Fuel Oil 4-wk. Avg.	3,977	3,917	3,899	3,937
Residual Fuel Oil	705	539	692	539
Residual Fuel Oil 4-wk. Avg.	723	677	649	619
Other Oils	4,780	4,805	5,036	4,771
Other Oils 4-wk. Avg.	4,713	4,727	4,892	4,848
Total Product Supplied	19,768	19,714	20,530	20,345
Total Product Supplied 4-wk. Avg.	20,041	19,919	20,020	20,089

¹ Crude oil stocks in the SPR include non-U.S. stocks held under foreign or commercial storage agreements.² Distillate fuel oil stocks located in the "Northeast Heating Oil Reserve" are not included.

Notes: Some data are estimated. See Sources for clarification of estimated data. Due to independent rounding, individual product detail may not add to total.

Source: See page 30.

Table 12. U.S. Petroleum Balance Sheet, Week Ending 12/19/2003

Petroleum Supply (Thousand Barrels per Day)	Week Ending			Cumulative Daily Averages 352 Days		
	12/19/03	12/12/03	Difference	2003	2002	Difference
Crude Oil Production						
(1) Domestic Production ¹	5,663	5,592	71	5,738	5,747	-9.0
(2) Net Imports (Including SPR) ²	9,505	9,130	375	9,613	9,145	468.0
(3) Gross Imports (Excluding SPR)	9,515	9,140	375	9,625	9,140	485.0
(4) SPR Imports	0	0	0	0	15	-15.0
(5) Exports	10	10	0	12	9	3.0
(6) SPR Stocks Withdrawn (+) or Added (-)	-137	-74	-63	-107	-135	28.0
(7) Other Stocks Withdrawn (+) or Added (-)	-235	732	-967	9	85	-76.0
(8) Product Supplied and Losses	0	0	0	0	0	0.0
(9) Unaccounted-for Crude Oil ³	391	-93	484	34	106	-72.0
(10) Crude Oil Input to Refineries	15,187	15,287	-100	15,288	14,948	340.0
Other Supply						
(11) Natural Gas Liquids Production ⁴	2,071	2,071	0	2,040	2,176	-136.0
(12) Other Liquids New Supply	203	203	0	108	126	-18.0
(13) Crude Oil Product Supplied	0	0	0	0	0	0.0
(14) Processing Gain	952	958	-6	948	954	-6.0
(15) Net Product Imports ⁵	1,263	1,080	183	1,595	1,428	167.0
(16) Gross Product Imports ⁵	2,241	2,058	183	2,599	2,391	208.0
(17) Product Exports ⁵	978	978	0	1,004	964	40.0
(18) Product Stocks Withdrawn (+) or Added (-) ^{6,7}	669	931	-262	27	122	-95.0
(19) Total Product Supplied for Domestic Use	20,345	20,530	-185	20,005	19,755	250.0
Products Supplied						
(20) Finished Motor Gasoline ⁴	9,166	8,930	236	8,946	8,846	100.0
(21) Naphtha-Type Jet Fuel	0	0	0	-5	-7	2.0
(22) Kerosene-Type Jet Fuel	1,663	1,740	-77	1,587	1,617	-30.0
(23) Distillate Fuel Oil	4,205	4,133	72	3,934	3,770	164.0
(24) Residual Fuel Oil	539	692	-153	760	695	65.0
(25) Other Oils ⁸	4,771	5,036	-265	4,784	4,834	-50.0
(26) Total Products Supplied	20,345	20,530	-185	20,005	19,755	250.0
Total Net Imports	10,768	10,210	558	11,208	10,573	635.0
Petroleum Stocks						
(Million Barrels)	12/19/03	12/12/03	12/19/02	Difference From		
				Previous Week	Year Ago	
Crude Oil (Excluding SPR) ⁹	274.5	272.8	282.0	1.7	-7.5	
Total Motor Gasoline	203.0	202.4	207.8	0.6	-4.8	
Reformulated	29.0	29.1	39.7	-0.1	-10.7	
Oxygenated	0.5	0.5	0.6	0.0	-0.1	
Conventional	116.0	116.6	120.0	-0.6	-4.0	
Blending Components	57.5	56.1	47.5	1.4	10.0	
Naphtha-Type Jet Fuel	0.0	0.0	0.0	0.0	0.0	
Kerosene-Type Jet Fuel	36.8	36.7	40.6	0.1	-3.8	
Distillate Fuel Oil ⁷	128.4	130.7	130.0	-2.3	-1.6	
0.05% Sulfur and under	75.5	78.3	76.8	-2.8	-1.3	
Greater than 0.05% Sulfur	52.9	52.4	53.2	0.5	-0.3	
Residual Fuel Oil	36.7	36.1	33.1	0.6	3.6	
Unfinished Oils	80.2	80.6	81.0	-0.4	-0.8	
Other Oils ¹⁰	174.6	177.8	188.4	-3.2	-13.8	
Total Stocks (Excluding SPR) ⁷	934.2	937.2	963.0	-3.0	-28.8	
Crude Oil in SPR ¹¹	635.7	634.7	597.8	1.0	37.9	
Total Stocks (Including SPR) ⁷	1,569.9	1,571.9	1,560.7	-2.0	9.2	

¹ Includes lease condensate.

² Net Imports = Gross Imports (line 3) + Strategic Petroleum Reserve (SPR) Imports (line 4) - Exports (line 5).

³ Unaccounted-for Crude Oil is a balancing item. See Glossary for further explanation.

⁴ Includes field production of fuel ethanol and an adjustment for motor gasoline blending components.

⁵ Includes finished petroleum products, unfinished oils, gasoline blending components, and natural gas plant liquids.

⁶ Includes an estimate of minor product stock change based on monthly data.

⁷ Distillate fuel oil stocks located in the "Northeast Heating Oil Reserve" are not included. For details see Appendix B.

⁸ Includes crude oil product supplied, natural gas liquids, liquefied refinery gases (LRGs), other liquids, and all finished petroleum products except motor gasoline, jet fuels, distillate, and residual fuel oils.

⁹ Includes domestic and Customs-cleared foreign crude oil in transit to refineries.

¹⁰ Included are stocks of all other oils such as aviation gasoline, kerosene, natural gas liquids and LRGs, other hydrocarbons and oxygenates, aviation gasoline blending components, naphtha and other oils for petrochemical feedstock use, special naphthas, lube oils, waxes, coke, asphalt, road oil, and miscellaneous oils.

¹¹ Crude oil stocks in the SPR include non-U.S. stocks held under foreign or commercial storage agreements.

Notes: Some data are estimated. See Sources for clarification of estimated data. Due to independent rounding, individual product detail may not add to total.

Sources: See page 30.

Table 13. World Crude Oil Prices¹ 12/19/2003
(Dollars per Barrel)

Country	Type of Crude/API Gravity ²	In Effect							
		12/19/2003	12/12/2003	1/3/2003	1/4/2002	1/5/2001	1/7/2000	1/1/1999	1/6/1978
OPEC									
Saudi Arabia	Arabian Light 34°	27.77	27.01	27.39	18.90	20.90	23.45	10.03	12.70
Saudi Arabia	Arabian Medium 31°	26.82	26.06	26.44	18.55	20.30	22.85	9.63	12.32
Saudi Arabia	Arabian Heavy 27°	26.07	25.31	25.69	18.15	19.40	22.10	9.28	12.02
Abu Dhabi	Murban 39°	30.73	29.91	28.37	19.87	22.60	23.94	10.50	13.26
Dubai	Fateh 32°	28.79	27.97	27.28	18.63	21.25	22.20	10.20	12.64
Qatar	Dukhan 40°	29.39	28.61	28.03	19.40	22.05	23.61	10.50	13.19
Iran	Iranian Light 34°	29.34	28.59	27.85	18.90	21.15	23.55	9.83	13.45
Iran	Iranian Heavy 30°	28.19	27.74	27.08	18.56	20.40	23.05	9.58	12.49
Iraq ³	Kirkuk 36°	27.85	27.79	27.93	19.08	23.67	21.75	NA	13.17
Kuwait	Kuwait 31°	28.65	27.83	27.30	18.25	20.20	22.90	9.38	12.22
Neutral Zone	Khafji 28°	27.77	27.01	27.39	18.90	20.90	23.45	10.03	12.03
Algeria	Saharan Blend 44°	30.49	29.75	31.69	19.67	24.05	24.28	10.78	14.10
Nigeria	Bonny Light 37°	30.41	29.64	31.16	19.88	23.35	23.85	10.60	15.12
Nigeria	Forcados 31°	30.32	29.55	31.13	19.81	23.35	23.85	10.40	13.70
Libya	Es Sider 37°	30.13	29.70	30.40	19.63	23.75	23.25	10.65	13.68
Indonesia	Minas 34°	32.62	32.05	35.03	18.89	23.05	23.25	9.95	13.55
Venezuela	Tia Juana Light 31°	30.77	29.44	30.25	17.78	23.57	23.42	9.45	13.54
Venezuela	Bachaquero 24°	NA	NA	NA	NA	NA	NA	NA	12.39
Venezuela	Bachaquero 17°	NA	NA	NA	NA	NA	NA	NA	11.38
Gabon ⁶	Mandji 30°	NA	NA	NA	NA	NA	NA	NA	12.59
Total OPEC⁴	NA	28.97	28.21	28.47	18.94	21.87	23.19	9.96	13.03
Non-OPEC									
United Kingdom	Brent Blend 38°	30.40	29.87	31.36	21.20	24.52	23.26	10.44	NA
Norway	Ekofisk Blend 42°	30.35	29.68	31.06	19.62	23.35	23.95	10.60	14.20
Canada	Canadian Par 40°	31.82	30.31	31.78	19.80	26.98	23.89	10.25	NA
Canada	Lloyd Blend 22°	NA	20.88	24.51	11.55	18.22	19.71	6.01	NA
Mexico	Isthmus 33°	30.66	29.33	30.14	17.72	23.46	23.32	9.37	13.10
Mexico	Maya 22°	25.17	24.52	26.29	14.30	17.21	19.84	6.38	NA
Colombia	Cano Limon 30°	30.66	29.14	29.07	17.71	24.11	23.98	9.05	NA
Ecuador	Oriente 30°	27.60	26.24	27.32	15.15	20.78	28.20	8.50	12.35
Angola	Cabinda 32°	30.01	29.29	30.60	18.43	23.20	23.15	9.90	NA
Cameroon	Kole 34°	29.88	29.35	30.92	18.05	23.20	23.15	9.90	NA
Egypt ⁵	Suez Blend 33°	26.52	26.14	28.63	17.78	20.15	21.80	9.00	12.81
Gabon ⁶	Mandji 30°	NA	NA	NA	NA	NA	22.55	9.13	NA
Oman	Oman Blend 34°	29.10	28.29	27.71	18.76	21.05	23.20	9.95	13.06
Australia	Gippsland 42°	31.40	30.70	32.22	20.14	25.25	23.85	10.60	NA
Malaysia	Tapis Blend 44°	31.63	30.96	32.54	20.31	28.15	25.43	10.95	14.30
Brunei ⁷	Seria Light 37°	NA	NA	NA	NA	NA	NA	NA	14.15
Russia ⁸	Urals 32°	28.92	28.56	30.31	20.85	23.52	23.36	10.09	13.20
China	Daqing 33°	32.38	31.78	34.38	18.81	22.85	23.20	9.85	13.73
Total Non-OPEC⁴	NA	27.55	28.03	29.55	18.45	22.54	23.13	9.52	13.44
Total World⁴	NA	28.15	28.10	29.03	18.68	22.10	23.17	9.76	13.08
United States⁹	NA	26.84	27.46	28.52	17.06	21.77	22.68	9.10	13.38

¹ Estimated contract prices based on government-selling prices, netback values, or spot market quotations. All prices are f.o.b. at the foreign port of lading except where noted; 30 day payment plan except where noted. See Appendix A for procedure used for calculation of world oil prices.

² An arbitrary scale expressing the gravity or density of liquid petroleum products.

³ Netback price at U.S. Gulf.

⁴ Average prices (f.o.b.) weighted by estimated export volume.

⁵ On 60 days credit.

⁶ Effective July 19, 1996, the Total Non-OPEC price reflects the decision by Gabon to leave the organization. Total OPEC prices from that date forward have been adjusted accordingly.

⁷ Brunei contract prices no longer available for use in weekly calculations.

⁸ Price (f.o.b.) to Mediterranean destinations; also called Urals.

⁹ Average prices (f.o.b.) weighted by estimated import volume.

Note: The Canadian crude prices have been changed to U.S. dollars.

NA=Not Applicable.

R=Revised data.

Source: See page 30.

Table 14. Spot Prices of Crude Oil, Motor Gasoline, and Heating Oils, January 2002 to Present

(Crude Oil in Dollars per Barrel, Products in Cents per Gallon)

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2002												
Crude Oil												
WTI - Cushing	19.71	20.72	24.53	26.18	27.04	25.52	26.97	28.39	29.66	28.84	26.35	29.46
Brent	19.42	20.28	23.70	25.73	25.35	24.08	25.74	26.65	28.40	27.54	24.34	28.33
Motor Gasoline												
Conventional Regular												
New York Harbor	54.41	55.33	69.78	74.41	70.30	71.68	76.56	76.87	77.76	82.62	76.55	80.78
U.S. Gulf Coast	53.77	53.92	71.40	77.66	73.96	73.62	75.61	75.03	77.60	82.62	69.08	77.99
Los Angeles	56.49	62.21	82.36	79.65	78.30	85.08	80.02	82.83	82.20	81.57	77.87	75.90
Rotterdam (ARA)	48.45	48.48	60.76	71.72	69.75	68.98	73.25	73.44	77.46	74.70	64.08	71.83
Singapore	49.86	57.61	66.58	71.50	70.60	68.20	67.33	66.87	72.62	70.51	66.54	72.34
Reformulated Regular												
New York Harbor	56.34	57.50	71.29	80.49	77.66	75.43	81.24	78.76	78.99	84.28	79.11	83.38
U.S. Gulf Coast	56.20	56.22	76.85	81.66	77.95	76.00	79.49	76.98	79.19	84.53	73.38	80.84
Los Angeles	62.49	68.21	88.36	85.65	84.30	91.08	86.02	88.83	88.20	87.57	83.87	81.90
Heating Oils												
No. 2 Heating Oil												
New York Harbor	53.56	54.08	63.57	66.72	66.60	64.60	67.85	70.12	77.34	76.79	71.99	82.10
U.S. Gulf Coast	50.93	51.81	61.06	64.21	64.01	62.11	65.42	68.03	75.78	75.41	70.21	79.56
Gasoil												
Rotterdam (ARA)	52.31	52.76	61.31	64.33	64.42	62.88	67.40	70.42	76.56	75.48	69.06	79.79
Singapore	49.85	51.79	59.28	65.69	66.66	65.28	65.61	66.71	73.36	77.44	69.31	73.57
2003												
Crude Oil												
WTI - Cushing	32.95	35.83	33.51	28.17	28.11	30.66	30.75	31.57	28.31	30.34	31.11	
Brent	31.18	32.77	30.61	25.00	25.86	27.65	28.35	29.89	27.11	29.61	28.73	
Motor Gasoline												
Conventional Regular												
New York Harbor	87.95	99.59	95.50	79.94	75.96	80.85	87.30	100.73	90.34	87.47	88.16	
U.S. Gulf Coast	87.88	100.61	96.33	81.01	78.34	82.57	88.52	98.24	81.23	84.40	81.99	
Los Angeles	88.12	111.26	125.07	90.48	82.61	101.10	90.67	125.48	88.57	93.85	95.60	
Rotterdam (ARA)	80.22	90.00	85.31	77.77	73.68	77.33	83.37	90.27	81.12	80.30	79.65	
Singapore	81.80	95.58	90.13	68.84	67.67	74.88	80.88	88.97	78.60	84.49	85.57	
Reformulated Regular												
New York Harbor	89.86	101.67	97.99	85.98	85.85	86.34	90.45	103.21	92.79	88.90	87.71	
U.S. Gulf Coast	90.05	102.52	100.65	84.49	81.60	84.65	89.74	101.05	85.22	86.58	83.82	
Los Angeles	94.12	117.53	131.07	96.48	88.64	107.10	96.67	131.48	94.57	99.84	104.68	
Heating Oils												
No. 2 Heating Oil												
New York Harbor	90.51	112.85	98.83	79.61	74.13	75.94	78.61	81.61	73.64	82.03	83.45	
U.S. Gulf Coast	87.46	104.63	88.10	71.73	70.12	73.52	76.26	79.32	71.49	79.63	80.56	
Gasoil												
Rotterdam (ARA)	85.49	100.01	95.13	72.02	70.30	74.00	75.49	78.87	72.49	82.30	83.58	
Singapore	79.30	91.38	88.23	70.17	67.73	68.50	68.83	76.86	74.32	77.32	79.98	
	Average for Week Ending:		Daily:									
2003	11/28	12/5	Mon 12/8	Tue 12/9	Wed 12/10	Thu 12/11	Fri 12/12	Mon 12/15	Tue 12/16	Wed 12/17	Thu 12/18	Fri 12/19
Crude Oil												
WTI - Cushing	30.11	30.62	32.08	31.72	31.92	32.01	33.06	33.17	32.94	33.36	33.72	32.81
Brent	27.95	28.95	30.52	30.27	30.02	29.79	30.24	30.89	30.64	31.01	30.79	31.03
Motor Gasoline												
Conventional Regular												
New York Harbor	87.95	85.56	86.94	84.21	84.93	85.68	88.93	90.00	89.28	91.30	91.88	89.53
U.S. Gulf Coast	79.30	80.84	81.44	80.40	86.93	80.85	85.43	85.78	85.35	87.68	88.33	86.25
Los Angeles	90.00	88.63	89.50	87.50	86.50	85.50	88.50	92.00	91.00	92.50	91.50	91.00
Rotterdam (ARA)	77.83	79.60	81.30	81.16	80.03	79.60	80.59	80.59	81.44	81.58	81.87	81.87
Singapore	83.81	86.43	89.52	89.52	93.10	95.83	93.81	92.38	95.95	97.38	96.07	96.43
Reformulated Regular												
New York Harbor	87.93	85.44	86.94	84.59	85.18	85.43	88.93	89.13	88.78	91.28	91.68	89.33
U.S. Gulf Coast	81.08	82.21	82.44	81.65	82.30	82.93	87.05	87.20	86.70	88.80	89.40	87.00
Los Angeles	NA	NA	95.50	93.50	92.50	91.50	94.50	98.00	97.00	98.50	97.50	97.00
Heating Oils												
No. 2 Heating Oil												
New York Harbor	82.05	85.15	89.50	87.55	88.00	87.68	91.15	90.90	90.00	93.75	95.70	93.20
U.S. Gulf Coast	78.80	82.25	85.25	83.45	82.68	82.40	86.15	85.40	84.90	88.00	89.40	87.45
Gasoil												
Rotterdam (ARA)	80.41	81.84	85.73	84.93	84.57	83.97	86.61	87.37	86.97	87.53	89.13	88.25
Singapore	80.12	79.82	80.00	81.79	81.67	81.90	82.38	83.81	85.24	85.12	86.90	88.33

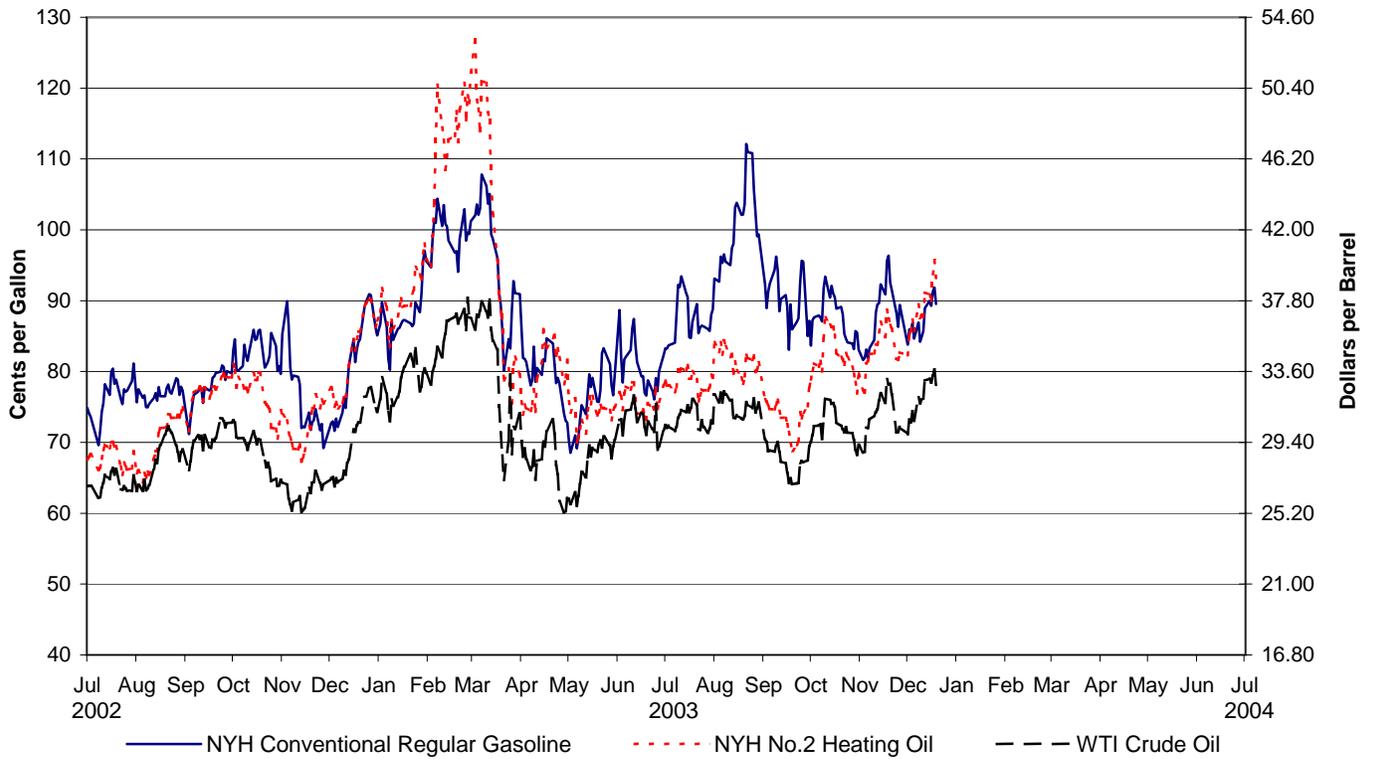
NA=Not Available.

Notes: Monthly and weekly prices are calculated by EIA from daily data. See Glossary for definitions of abbreviations.

See Appendix A, Technical Note 1, page 36, for more information about the data in this table.

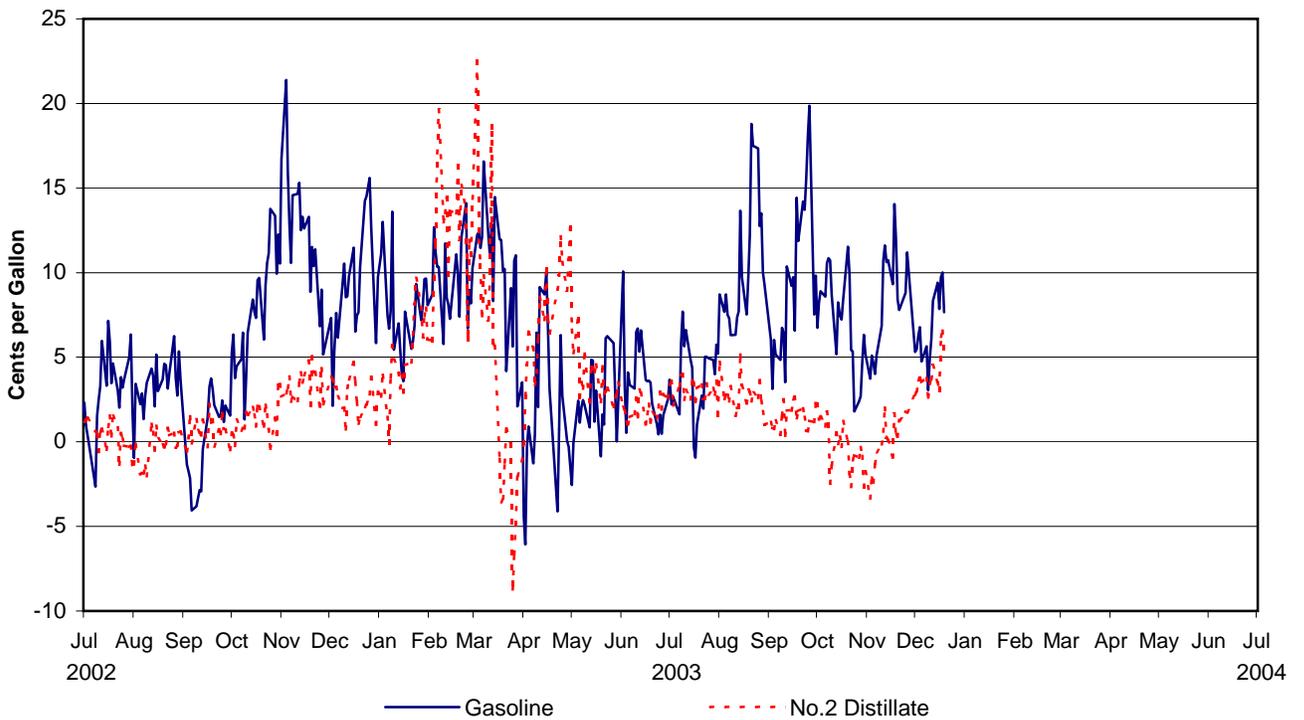
Source: See page 30.

Figure 11. Daily Crude Oil and Petroleum Product Spot Prices, July 2002 to Present



Note: See Glossary for definitions of abbreviations.
 Source: See page 30.

Figure 12. Daily Trans-Atlantic Spot Product Price Differentials: New York Harbor less Rotterdam (ARA), July 2002 to Present



Notes: See Glossary for definitions of abbreviations. See Appendix A, Technical Note 1, page 36, for more information about the data in this graph.
 Source: See page 30.

**Table 15. Spot Prices of Low-Sulfur Diesel, Kerosene-Type Jet, Residual Fuels, and Propane,
January 2002 to Present
(Cents per Gallon)**

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2002												
No. 2 Distillate												
Low-Sulfur No. 2 Diesel Fuel												
New York Harbor	53.79	55.27	64.45	68.54	67.80	65.54	68.80	72.42	79.15	79.22	73.95	82.50
U.S. Gulf Coast	51.58	53.21	62.87	66.61	65.38	63.16	66.76	70.96	79.15	79.11	71.06	80.42
Los Angeles	53.60	57.01	68.30	69.72	66.80	67.88	69.37	78.49	86.44	82.68	77.74	82.29
Kerosene-Type Jet Fuel												
New York Harbor	56.19	57.62	64.83	68.67	69.09	67.95	71.60	75.05	81.66	81.46	73.96	83.13
U.S. Gulf Coast	53.26	55.11	63.04	66.86	66.65	65.26	69.12	72.22	79.99	79.01	70.78	81.10
Los Angeles	57.86	59.92	68.43	69.74	68.53	68.64	71.61	78.82	86.56	81.67	75.95	86.73
Rotterdam (ARA)	55.84	56.16	64.44	67.11	69.10	67.21	69.63	73.06	81.55	79.74	72.94	79.92
Singapore	54.22	53.64	60.20	65.18	66.39	63.79	65.66	69.14	78.10	77.32	70.42	76.66
Residual Fuel												
New York Harbor	38.25	35.58	46.07	52.89	55.26	54.16	53.73	60.54	61.66	62.81	57.23	63.74
U.S. Gulf Coast	36.82	36.73	45.88	53.66	54.97	55.96	53.22	57.65	60.44	65.03	56.99	61.86
Los Angeles	43.34	42.67	41.46	46.60	56.88	59.44	59.93	60.13	62.45	68.49	68.79	68.79
Rotterdam (ARA)	40.34	36.98	42.94	48.10	49.70	48.00	52.97	53.62	61.28	67.69	59.33	65.17
Singapore	40.82	43.16	49.01	54.33	57.30	55.25	57.01	59.07	60.19	58.94	55.40	60.98
Propane												
Mont Belvieu	29.13	31.29	38.02	41.46	40.56	37.46	37.16	41.50	47.14	47.89	47.17	52.32
Conway	26.48	27.88	35.80	40.08	38.12	35.17	35.28	41.33	45.89	47.13	47.89	52.22
Northwest Europe	40.66	36.99	37.83	38.56	39.97	39.05	38.09	41.46	49.99	52.67	54.40	63.44
2003												
No. 2 Distillate												
Low-Sulfur No. 2 Diesel Fuel												
New York Harbor	90.83	114.01	101.89	80.79	75.59	77.09	80.08	82.86	75.31	83.93	84.56	
U.S. Gulf Coast	88.25	106.21	89.81	74.15	71.52	74.99	77.95	82.01	73.64	81.04	81.49	
Los Angeles	87.08	104.26	101.88	78.81	73.81	78.81	84.73	94.19	78.38	83.77	88.36	
Kerosene-Type Jet Fuel												
New York Harbor	91.42	115.05	98.18	79.13	76.13	77.17	80.85	84.70	76.17	84.52	86.08	
U.S. Gulf Coast	88.67	105.54	89.32	74.32	71.36	74.76	77.99	82.27	73.84	81.98	83.06	
Los Angeles	93.07	105.17	97.93	82.08	72.57	75.14	83.64	93.56	78.89	87.39	93.47	
Rotterdam (ARA)	87.34	103.17	101.00	75.22	72.72	75.76	79.00	86.95	81.77	92.11	95.88	
Singapore	81.46	93.71	84.92	66.55	67.01	68.10	70.61	79.70	74.75	80.32	85.25	
Residual Fuel												
New York Harbor	75.30	83.10	75.60	56.99	58.32	59.59	65.40	65.75	59.88	61.80	62.06	
U.S. Gulf Coast	73.60	81.36	78.87	58.65	60.79	64.97	69.86	67.16	59.20	65.45	64.52	
Los Angeles	68.79	68.79	68.79	68.79	68.79	68.79	74.79	66.32	65.39	62.67	62.04	
Rotterdam (ARA)	66.41	76.92	67.82	57.30	53.98	62.89	63.79	64.89	59.90	60.53	58.31	
Singapore	67.24	73.77	66.71	57.40	58.81	61.19	64.68	61.78	58.85	60.75	59.86	
Propane												
Mont Belvieu	60.56	77.46	62.27	50.40	54.12	55.85	53.00	54.78	51.92	55.28	54.69	
Conway	57.71	72.20	56.87	50.23	55.37	59.51	58.92	63.67	59.41	65.17	58.36	
Northwest Europe	68.38	82.77	67.06	47.26	42.82	49.79	48.83	49.81	49.69	55.28	58.52	
2003												
	Average for Week Ending:		Daily:									
	11/28	12/5	Mon 12/8	Tue 12/9	Wed 12/10	Thu 12/11	Fri 12/12	Mon 12/15	Tue 12/16	Wed 12/17	Thu 12/18	Fri 12/19
Low-Sulfur No. 2 Diesel Fuel												
New York Harbor	82.72	85.75	89.80	87.75	88.20	87.65	91.15	91.00	90.00	94.00	95.60	93.38
U.S. Gulf Coast	79.69	82.60	85.53	83.58	83.18	82.68	86.40	85.40	84.98	88.15	89.90	87.63
Los Angeles	89.67	95.75	98.00	97.00	97.00	96.00	95.00	86.00	93.00	93.00	95.00	95.00
Kerosene-Type Jet Fuel												
New York Harbor	85.20	88.88	93.58	90.10	90.13	90.15	93.60	93.40	92.65	95.75	97.35	94.50
U.S. Gulf Coast	81.93	86.02	89.15	85.20	84.93	84.53	87.98	87.03	86.65	89.90	90.30	91.03
Los Angeles	92.33	103.25	101.00	99.50	98.00	97.50	99.75	99.50	98.00	100.75	102.50	100.50
Rotterdam (ARA)	93.77	98.11	102.09	100.33	100.09	99.53	102.09	101.13	99.77	100.01	101.61	103.85
Singapore	86.79	87.80	89.52	89.29	88.57	86.67	86.67	88.57	89.05	89.76	91.19	91.31
Residual Fuel												
New York Harbor	59.63	58.64	61.90	61.62	61.62	60.43	61.90	62.50	61.62	62.81	64.88	64.60
U.S. Gulf Coast	60.91	60.87	60.43	59.83	59.83	59.83	60.71	61.90	61.31	61.31	62.50	62.50
Los Angeles	59.93	59.55	61.81	59.93	62.19	60.87	60.87	62.57	64.08	NA	64.45	64.45
Rotterdam (ARA)	54.84	52.20	52.58	52.58	55.97	52.77	53.14	49.75	49.75	51.83	52.01	53.33
Singapore	58.46	58.52	58.73	60.99	61.62	61.22	61.22	61.73	60.62	61.13	61.31	61.31
Propane												
Mont Belvieu	54.55	56.86	60.44	62.25	64.13	63.88	65.13	65.63	65.25	65.82	66.38	66.50
Conway	57.86	59.00	64.38	65.75	67.44	66.32	67.88	68.25	66.57	67.38	67.50	66.50
Northwest Europe	NA	59.00	NA	NA	NA	NA	59.96	NA	NA	NA	NA	59.96

NA=Not Available.

Notes: Monthly and weekly prices are calculated by EIA from daily data. See Glossary for definitions of abbreviations.

See Appendix A, Technical Note 1, page 36, for more information about the data in this table.

Source: See page 30.

Table 16. NYMEX Futures Prices of Crude Oil, Motor Gasoline, No. 2 Heating Oil, and Propane
(Crude Oil in Dollars per Barrel, all others in Cents per Gallon)

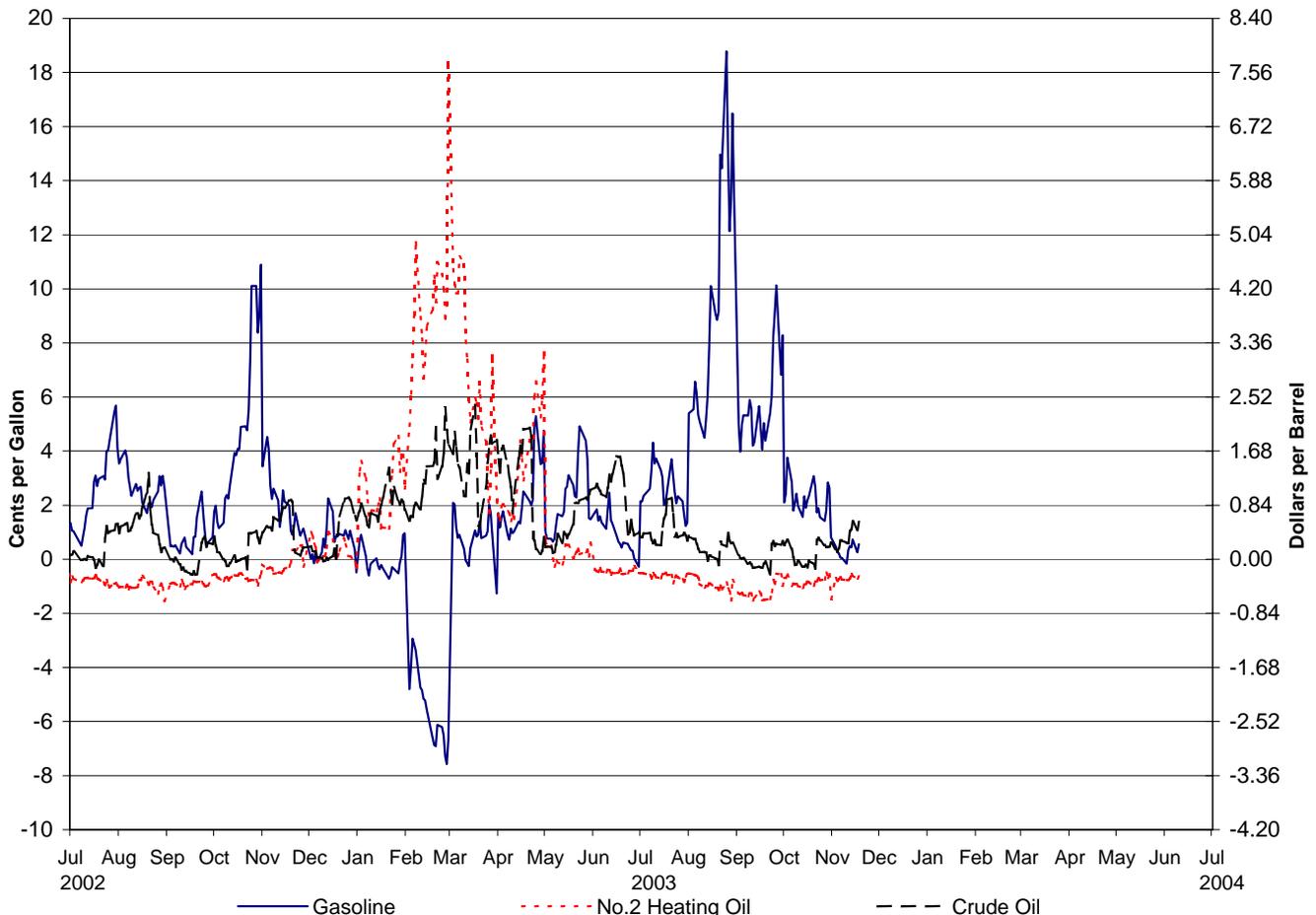
	Mon 12/8/2003	Tue 12/9/2003	Wed 12/10/2003	Thu 12/11/2003	Fri 12/12/2003	Mon 12/15/2003	Tue 12/16/2003	Wed 12/17/2003	Thu 12/18/2003	Fri 12/19/2003
Crude Oil (WTI, Cushing, Oklahoma)										
January-2004	32.10	31.76	31.88	31.85	33.04	33.18	32.89	33.35	33.71	33.02
February-2004	32.00	31.60	31.76	31.75	32.95	33.24	32.95	33.39	33.75	33.02
March-2004	31.56	31.12	31.32	31.29	32.36	32.62	32.36	32.85	33.24	32.55
April-2004	31.10	30.64	30.84	30.81	31.78	32.00	31.75	32.22	32.61	31.96
Regular Gasoline (Reformulated, New York Harbor)										
January-2004	87.34	86.46	86.73	86.38	90.04	90.28	90.33	91.94	92.72	90.69
February-2004	88.21	87.28	87.60	87.29	90.75	91.30	91.11	92.85	93.68	91.97
March-2004	88.73	87.93	88.25	87.90	91.15	91.80	91.61	93.35	94.12	92.52
April-2004	95.63	94.78	95.05	94.60	97.65	98.40	98.01	99.70	100.15	98.52
No. 2 Heating Oil (New York Harbor)										
January-2004	90.54	88.66	88.84	88.48	92.56	92.06	91.84	94.18	96.42	93.79
February-2004	90.56	89.01	89.10	88.85	92.81	92.60	92.33	94.67	97.07	94.65
March-2004	88.01	86.61	86.95	86.70	90.36	90.30	90.18	92.27	94.37	92.05
April-2004	84.06	82.76	83.25	83.00	86.11	86.15	85.88	87.47	89.22	86.85
Propane (Mont Belvieu, Texas)										
January-2004	61.00	63.00	64.00	64.00	64.75	65.50	65.50	65.90	66.25	66.50
February-2004	59.00	60.50	61.50	61.50	62.75	63.00	63.00	63.50	63.75	64.00
March-2004	56.50	58.00	59.00	59.00	59.75	59.60	59.60	59.75	60.00	60.00
April-2004	53.00	54.50	55.00	55.00	55.75	55.75	55.50	55.50	55.75	55.75

NA=Not Available.

Note: See Appendix A, Technical Note 2, page 36, for more information about the data in this table.

Source: See page 30.

Figure 13. Daily Futures Price Differentials: First Delivery Month Less Second Delivery Month, July 2002 to Present



NA=Not Available.

Note: See Appendix A, Technical Note 3, page 36, for more information about the data in this graph.

Source: See page 30.

Table 17. U.S. Retail Motor Gasoline and On-Highway Diesel Fuel Prices, January 2002 to Present
(Cents per Gallon, Including Taxes)

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2002												
Motor Gasoline	114.8	115.5	128.9	143.9	143.4	142.4	143.8	143.8	144.1	148.6	146.1	142.9
Conventional Areas	113.4	112.9	125.9	140.2	139.4	138.0	140.2	139.8	140.3	146.6	142.4	138.9
RFG Areas	117.7	120.6	134.9	151.2	151.4	150.9	150.8	151.7	151.7	152.6	153.3	150.8
Regular	110.7	111.4	124.9	139.7	139.2	138.2	139.7	139.6	140.0	144.5	141.9	138.6
East Coast (PADD I)	109.6	109.3	120.2	137.0	137.2	134.9	135.2	137.1	137.6	142.2	141.6	140.0
New England (PADD IA)	114.9	115.3	124.3	140.0	141.9	140.4	140.3	144.1	144.3	145.8	148.2	148.1
Central Atlantic (PADD IB)	113.1	113.1	122.5	139.6	141.2	139.8	140.1	142.8	143.4	145.3	146.4	146.3
Lower Atlantic (PADD IC)	105.5	104.7	117.2	134.3	132.6	129.7	130.2	130.8	131.3	138.8	136.1	132.9
Midwest (PADD II)	110.1	109.7	125.9	138.2	138.0	137.2	140.2	137.9	138.8	147.7	139.5	134.7
Gulf Coast (PADD III)	105.3	105.1	118.3	133.1	132.3	130.2	130.1	130.9	132.1	138.7	136.3	133.4
Rocky Mountain (PADD IV)	111.4	110.8	121.1	138.3	138.6	137.8	142.4	145.5	144.2	146.4	144.6	138.9
West Coast (PADD V)	118.6	123.8	138.6	153.5	151.3	153.2	154.7	153.6	152.3	148.0	151.0	147.4
Midgrade	119.9	120.8	134.3	149.4	149.0	147.8	149.2	149.1	149.4	153.7	151.3	148.4
Premium	129.2	129.7	142.7	158.2	158.0	156.7	158.0	158.3	158.6	162.9	160.7	158.0
On-Highway Diesel Fuel	115.3	115.2	123.0	130.9	130.5	128.6	129.9	132.8	141.1	146.2	142.0	142.9
East Coast (PADD I)	118.4	118.0	124.2	131.0	131.2	129.1	130.2	132.5	139.3	144.8	141.1	143.3
New England (PADD IA)	129.4	128.8	131.5	137.9	139.6	138.8	138.9	141.2	144.8	148.8	149.4	151.2
Central Atlantic (PADD IB)	127.4	126.6	131.6	139.1	139.5	137.7	138.6	141.2	146.6	150.7	149.6	151.8
Lower Atlantic (PADD IC)	113.6	113.3	120.3	126.9	126.8	124.5	125.8	128.0	135.7	142.0	136.8	139.0
Midwest (PADD II)	112.8	112.6	120.8	129.4	128.7	126.4	128.7	131.3	140.0	146.1	142.1	143.0
Gulf Coast (PADD III)	112.1	112.2	120.0	127.3	127.2	124.7	126.2	129.0	136.9	143.0	136.3	137.7
Rocky Mountain (PADD IV)	112.6	113.4	122.3	134.7	135.7	132.9	132.7	135.2	145.2	150.5	147.8	144.2
West Coast (PADD V)	122.3	122.6	133.3	139.7	138.4	138.7	138.4	143.3	153.6	152.8	150.7	149.6
California	126.9	128.9	139.4	144.4	141.1	142.7	142.8	148.4	159.7	155.7	153.2	152.4
2003												
Motor Gasoline	150.0	165.5	173.4	163.3	153.9	153.3	155.4	166.1	172.1	160.6	155.5	
Conventional Areas	146.4	162.2	167.5	155.7	147.7	148.9	151.9	162.5	165.4	155.1	151.2	
RFG Areas	157.1	172.0	185.2	178.3	166.4	162.4	162.7	173.2	185.6	171.8	164.1	
Regular	145.8	161.3	169.3	158.9	149.7	149.3	151.3	162.0	167.9	156.4	151.2	
East Coast (PADD I)	146.2	159.3	163.6	155.0	146.1	144.8	148.4	157.6	166.2	156.7	151.2	
New England (PADD IA)	151.5	163.6	167.9	161.8	153.5	150.5	152.4	162.0	177.1	167.7	158.4	
Central Atlantic (PADD IB)	151.2	162.5	167.4	161.1	153.0	148.7	150.5	159.5	173.9	165.5	158.7	
Lower Atlantic (PADD IC)	140.9	155.5	159.4	148.5	138.6	140.2	145.7	154.8	157.2	146.8	143.5	
Midwest (PADD II)	144.0	160.5	163.2	148.5	144.1	147.3	148.1	160.6	161.2	152.6	148.0	
Gulf Coast (PADD III)	140.5	154.8	158.6	147.8	137.9	138.5	142.8	151.3	153.0	142.5	139.8	
Rocky Mountain (PADD IV)	141.9	157.2	166.2	158.6	151.1	150.2	153.8	164.1	170.4	158.3	155.1	
West Coast (PADD V)	153.4	173.0	200.5	194.1	176.4	171.4	170.3	183.1	196.6	175.1	166.8	
Midgrade	155.5	170.9	179.2	169.4	159.5	158.6	160.9	171.4	177.7	166.0	160.8	
Premium	165.0	179.8	187.5	178.0	168.6	167.4	169.7	179.9	186.5	175.3	170.2	
On-Highway Diesel Fuel	148.8	165.4	170.8	153.3	145.1	142.4	143.5	148.7	146.7	148.1	148.2	
East Coast (PADD I)	151.4	169.9	177.0	160.0	149.7	143.7	144.2	147.4	145.8	147.4	147.9	
New England (PADD IA)	159.0	181.3	193.2	169.6	160.1	156.3	156.3	157.3	156.4	157.7	158.7	
Central Atlantic (PADD IB)	159.4	179.3	189.9	169.7	160.4	154.9	154.0	156.7	156.3	157.8	158.6	
Lower Atlantic (PADD IC)	147.3	164.9	169.9	155.0	144.1	137.7	138.9	142.5	140.3	142.1	142.4	
Midwest (PADD II)	147.3	163.9	166.1	149.5	143.6	140.9	140.8	146.4	145.0	148.2	147.0	
Gulf Coast (PADD III)	145.9	162.1	163.7	144.3	137.5	136.7	138.3	143.5	140.7	142.8	143.1	
Rocky Mountain (PADD IV)	145.1	159.5	174.0	158.0	148.9	144.7	146.5	151.5	153.1	151.6	154.1	
West Coast (PADD V)	153.4	167.9	181.6	161.3	150.1	152.7	158.3	166.6	161.2	156.8	159.1	
California	157.9	172.5	181.8	165.0	154.3	158.1	163.5	172.5	165.6	162.2	163.9	

See footnotes at end of table.

Table 17. U.S. Retail Motor Gasoline and On-Highway Diesel Fuel Prices, January 2002 to Present (Continued)
(Cents per Gallon, Including Taxes)

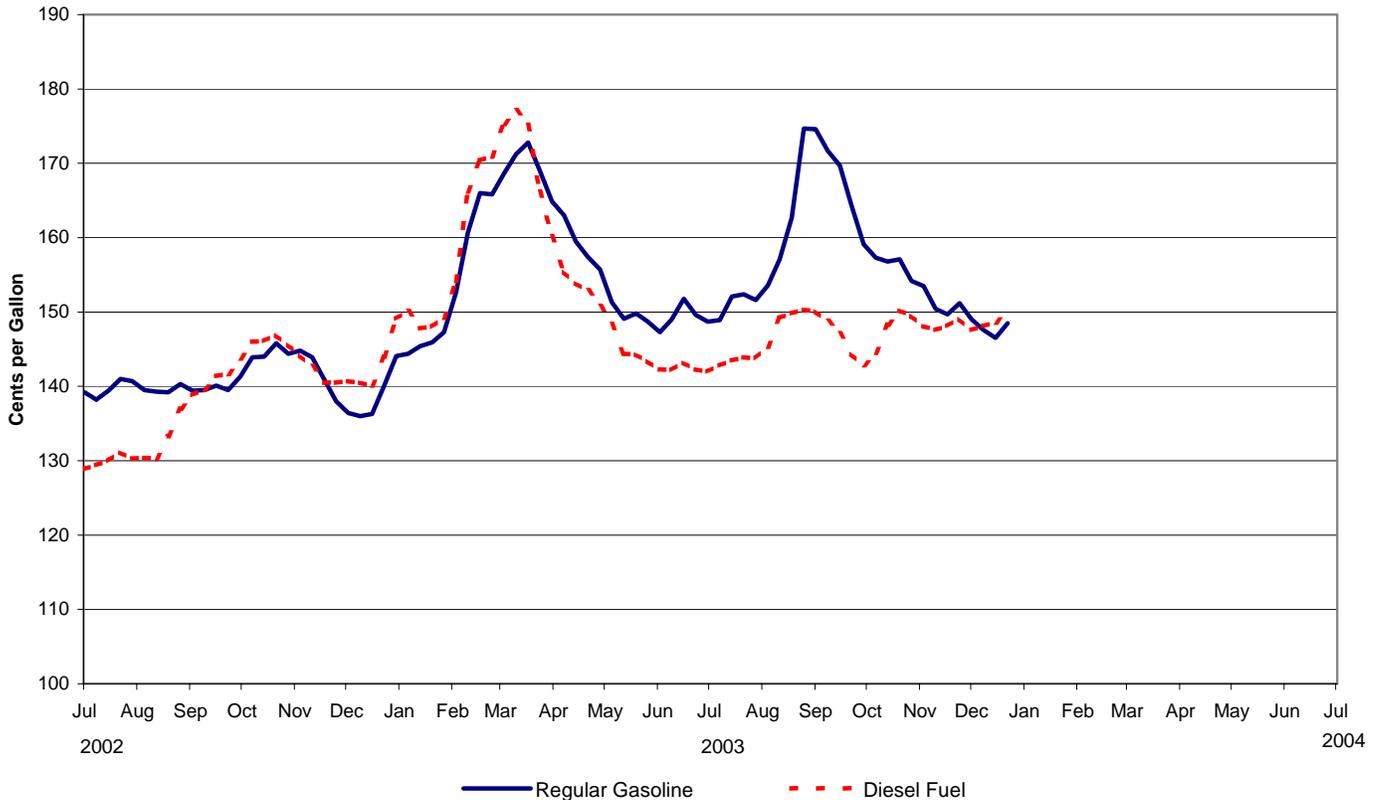
	10/6	10/13	10/20	10/27	11/3	11/10	11/17	11/24	12/1	12/8	12/15	12/22
2003												
Motor Gasoline	161.7	161.1	161.2	158.4	157.7	154.7	154.0	155.4	153.3	151.9	150.9	152.8
Conventional Areas	155.1	155.3	156.4	153.6	153.2	150.2	149.8	151.7	149.3	148.1	147.3	149.9
RFG Areas	175.1	172.7	171.0	168.2	166.8	163.8	162.5	163.1	161.5	159.7	158.0	158.6
Regular	157.3	156.8	157.1	154.2	153.5	150.4	149.7	151.2	149.0	147.6	146.5	148.5
East Coast (PADD I)	158.6	157.2	156.5	154.5	153.1	151.1	150.1	150.6	149.8	148.4	147.9	149.1
New England (PADD IA)	170.3	168.7	167.3	164.5	161.7	158.9	156.4	156.4	155.7	154.1	153.5	154.3
Central Atlantic (PADD IB)	168.0	166.1	165.1	162.9	161.3	159.1	157.6	156.8	156.1	155.1	154.2	154.1
Lower Atlantic (PADD IC)	148.2	147.1	146.8	145.2	144.3	142.7	142.6	144.2	143.2	141.7	141.6	143.7
Midwest (PADD II)	150.2	152.7	156.1	151.2	152.0	146.4	145.1	148.6	143.5	142.5	141.4	145.7
Gulf Coast (PADD III)	142.6	143.0	143.0	141.4	140.6	139.0	139.1	140.4	139.8	138.7	138.2	140.5
Rocky Mountain (PADD IV)	160.0	157.3	157.0	158.7	157.4	155.5	154.2	153.3	151.4	149.6	148.1	150.6
West Coast (PADD V)	180.8	176.4	173.0	170.2	168.2	166.2	166.1	166.8	165.6	163.0	160.4	159.3
Midgrade	167.4	166.4	166.4	163.7	163.0	160.0	159.3	160.8	158.8	157.4	156.3	158.3
Premium	176.7	175.8	175.7	173.0	172.3	169.4	168.9	170.1	168.3	167.0	166.0	167.8
On-Highway Diesel Fuel	144.5	148.3	150.2	149.5	148.1	147.6	148.1	149.1	147.6	148.1	148.6	150.4
East Coast (PADD I)	144.4	147.5	149.2	148.6	147.3	147.1	147.8	149.5	148.4	148.6	149.3	151.5
New England (PADD IA)	155.8	157.5	158.8	158.7	158.4	157.9	158.1	160.3	160.5	160.6	162.3	164.9
Central Atlantic (PADD IB)	154.6	157.7	159.4	159.3	158.6	157.7	158.2	159.7	159.3	159.2	160.2	162.1
Lower Atlantic (PADD IC)	139.1	142.2	144.0	143.1	141.5	141.5	142.3	144.1	142.6	143.0	143.4	145.7
Midwest (PADD II)	143.5	148.6	150.8	149.8	147.8	146.7	146.5	146.9	144.8	144.8	145.4	147.6
Gulf Coast (PADD III)	138.8	142.9	145.2	144.1	142.5	142.3	143.1	144.4	142.8	143.1	143.7	145.7
Rocky Mountain (PADD IV)	148.4	150.6	153.8	153.5	154.2	153.9	154.0	154.1	153.5	152.8	152.6	152.7
West Coast (PADD V)	155.1	156.9	157.7	157.3	157.6	157.9	159.6	161.2	160.5	163.5	163.9	163.5
California	160.2	162.6	163.3	162.7	163.1	162.9	164.1	165.5	166.0	169.5	169.1	168.1

NA=Not Available.

Notes: See Glossary for definitions of abbreviations. See Appendix A, Technical Note 4, page 36, for more information about data in this table.

Sources: See page 30.

Figure 14. U.S. Average Retail Regular Motor Gasoline and On-Highway Diesel Fuel Prices, July 2002 to Present
(Cents per Gallon, Including Taxes)



NA=Not Available.

Note: See Appendix A, Technical Note 4, page 36, for more information about data in this graph.

Sources: See page 30.

Sources

Table 1

- Current Year Data: Estimates based on weekly data collected on Forms EIA-800, -801, -802, -803, and -804, and *Petroleum Supply Monthly*.
- Previous Year Data: Estimates based on EIA, *Petroleum Supply Annual* and EIA, *Petroleum Supply Monthly*. Product Supplied and Losses, Natural Gas Liquids Production, Other Liquid New Supply, and Processing Gain are estimates based on data published for the most recent month in the *Petroleum Supply Monthly* except for exports, Crude Oil Production, and Other Oils Stocks. See Appendix A for explanation of their estimates.

Table 2

- Monthly Data: 2002, EIA, *Petroleum Supply Annual*; 2003, EIA, *Petroleum Supply Monthly*, except for operable capacity for January 2003 which is from the *Petroleum Supply Annual*, 2002.
- Four-Week Averages: Estimates based on weekly data collected on Form EIA-800. Operable Capacity estimate is based on data published for the most recent *Petroleum Supply Monthly*.

Figure 1

- Monthly Data: 2002, EIA, *Petroleum Supply Annual*; 2003, EIA, *Petroleum Supply Monthly*; except for operable capacity for January 2003 which is from the *Petroleum Supply Annual*, 2002.
- Four-Week Averages: Estimates based on weekly data collected on Form EIA-800.

Figure 2

- Data for Ranges and Seasonal Patterns: 1995-2001, EIA, *Petroleum Supply Annual*; 2002, EIA, *Petroleum Supply Monthly*.
- Monthly Data: 2002, EIA, *Petroleum Supply Annual*; 2003, EIA, *Petroleum Supply Monthly*.
- Week-Ending Stocks: Estimates based on weekly data collected on Forms EIA-800, -801, -802 and -803.

Table 3

- Monthly Data: 2002, EIA, *Petroleum Supply Annual*; 2003, EIA, *Petroleum Supply Monthly*.
- Week-Ending Stocks: Estimates based on weekly data collected on Forms EIA-800, -801, -802, and -803. Other Oils estimate is based on estimation methodology in Appendix A.

Figure 3

- Data for Ranges and Seasonal Patterns: 1995-2001, EIA, *Petroleum Supply Annual*; 2002, EIA, *Petroleum Supply Monthly*.
- Monthly Data: 2002, EIA, *Petroleum Supply Annual*; 2003, EIA, *Petroleum Supply Monthly*.
- Week-Ending Stocks: Estimates based on weekly data collected on Forms EIA-800, -801, and -802.

Table 4

- Monthly Data: 2002, EIA, *Petroleum Supply Annual*; 2003, EIA, *Petroleum Supply Monthly*.
- Week-Ending Stocks: Estimates based on weekly data collected on Forms EIA-800, -801, and -802.

Figure 4

- Data for Ranges and Seasonal Patterns: 1995-2001, EIA, *Petroleum Supply Annual*; 2002, EIA, *Petroleum Supply Monthly*.
- Monthly Data: 2002, EIA, *Petroleum Supply Annual*; 2003, EIA, *Petroleum Supply Monthly*.
- Week-Ending Stocks: Estimates based on weekly data collected on Forms EIA-800, -801, and -802.

Table 5

- Monthly Data: 2002, EIA, *Petroleum Supply Annual*; 2003, EIA, *Petroleum Supply Monthly*.
- Week-Ending Stocks: Estimates based on weekly data collected on Forms EIA-800, -801, and -802.

Figure 5

- Data for Ranges and Seasonal Patterns: 1995-2001, EIA, *Petroleum Supply Annual*; 2002, EIA, *Petroleum Supply Monthly*.
- Monthly Data: 2002, EIA, *Petroleum Supply Annual*; 2003, EIA, *Petroleum Supply Monthly*.
- Week-Ending Stocks: Estimates based on weekly data collected on Forms EIA-800, -801, and -802.

Table 6

- Monthly Data: 2002, EIA, *Petroleum Supply Annual*; 2003, EIA, *Petroleum Supply Monthly*.
- Week-Ending Stocks: Estimates based on weekly data collected on Forms EIA-800, -801, and -802.

Figure 6

- Data for Ranges and Seasonal Patterns: 1995-2001, EIA, *Petroleum Supply Annual*; 2002, EIA, *Petroleum Supply Monthly*.
- Monthly Data: 2002, EIA, *Petroleum Supply Annual*; 2003, EIA, *Petroleum Supply Monthly*.
- Week-Ending Stocks: Estimates based on weekly data collected on Forms EIA-800, -801, and -802.

Table 7

- Monthly Data: 2002, EIA, *Petroleum Supply Annual*; 2003, EIA, *Petroleum Supply Monthly*.
- Week-Ending Stocks: Estimates based on weekly data collected on Forms EIA-807.

Figure 7

- Data for Ranges and Seasonal Patterns: 1995-2001, EIA, *Petroleum Supply Annual*; 2002, EIA, *Petroleum Supply Monthly*.
- Monthly Data: 2002, EIA, *Petroleum Supply Annual*; 2003, EIA, *Petroleum Supply Monthly*.
- Week-Ending Stocks: Estimates based on weekly data collected on Forms EIA-807.

Table 8 and Figure 8

- Monthly Data: 2002, EIA, *Petroleum Supply Annual*; 2003, EIA, *Petroleum Supply Monthly*.
- Four-Week Averages: Estimates based on weekly data collected on Form EIA-804. Total exports estimate is based on data published in the most recent *Petroleum Supply Monthly*.

Table 9 and Figure 9

- Monthly Data: 2002, EIA, *Petroleum Supply Annual*; 2003, EIA, *Petroleum Supply Monthly*.
- Four-Week Averages: Estimates based on weekly data collected on Form EIA-804.

Table 10 and Figure 10

- Monthly Data: 2002, EIA, *Petroleum Supply Annual*; 2003, EIA, *Petroleum Supply Monthly*.
- Four-Week Averages: Estimates based on weekly data collected on Forms EIA-800, -801, -802, -803, and -804.

Table 11

- Estimates based on weekly data collected on Forms EIA-800, -801, -802, -803, and -804.

Table 12

- Current Year Data: Estimates based on weekly data collected on Forms EIA-800, -801, -802, -803, and -804, and *Petroleum Supply Monthly*.
- Previous Year Data: Estimates based on EIA, *Petroleum Supply Annual* and EIA, *Petroleum Supply Monthly*. Product Supplied and Losses, Natural Gas Liquids Production, Other Liquid New Supply, and Processing Gain are estimates based on data published for the most recent month in the *Petroleum Supply Monthly* except for exports, Crude Oil Production, and Other Oils Stocks. See Appendix A for explanation of their estimates.

Table 13

- EIA, Office of Energy Markets and End Use, Integrated Energy Statistics Division.
- Platt's Oilgram Price Report.
- Petroleum Intelligence Weekly.
- Oil and Gas Journal.
- Wall Street Journal.
- Oil Market Intelligence.
- Natural Resources Canada
- Petroleum Place (www.petroleumplace.com)

Table 14 and Figures 11 and 12

- Reuters Ltd.

Table 15

- Reuters Ltd.

Table 16 and Figure 13

- Crude Oil Futures: New York Mercantile Exchange (NYMEX), and Products: Reuters Ltd.

Table 17 and Figure 14

- Motor Gasoline: Form EIA-878, "Motor Gasoline Price Survey", and On-Highway Diesel: Form EIA-888, "On-Highway Diesel Fuel Price Survey".

Appendix A

Explanatory Notes

Survey Design And Estimation Methods

The data presented in this publication include data collected by the Petroleum Division (PD) on weekly and monthly surveys, and data released by Reuters Ltd. PD weekly supply data are derived from the Weekly Petroleum Supply Reporting System (WPSRS) which comprises five surveys: the “Weekly Refinery Report” (EIA-800); the “Weekly Bulk Terminal Report” (EIA-801); the “Weekly Product Pipeline Report” (EIA-802); the “Weekly Crude Oil Stocks Report” (EIA-803); and the “Weekly Imports Report” (EIA-804). The EIA weekly reporting system, as part of the Petroleum Supply Reporting System, was designed to collect data similar to those collected monthly. In the WPSRS, selected petroleum companies report weekly data to EIA on crude oil and petroleum product stocks, refinery inputs and production, and crude oil and petroleum product imports. On the Forms EIA-800 through EIA-803, companies report data on a custody basis. On the Form EIA-804, the importer of record reports each shipment entering the United States. Current weekly data and the most recent monthly data are used to estimate the published weekly totals.

PD price data contained in this report are derived from 2 weekly telephone surveys and 3 monthly mail surveys. The weekly surveys, EIA-878, “Motor Gasoline Price Survey,” and EIA-888, “On-Highway Diesel Fuel Price Survey,” provide timely information on national and regional retail prices of gasoline and on-highway diesel fuel. The monthly surveys collect volume weighted price data for crude oil and petroleum products, the EIA-14, “Refiners’ Monthly Cost Report,” EIA-782A, “Refiners’/Gas Plant Operators’ Monthly Petroleum Product Sales Report,” and EIA-782B, “Resellers’/Retailers’ Monthly Petroleum Product Sales Report.” In order to provide a comprehensive summary of current conditions in petroleum markets, spot and futures prices as reported by Reuters Ltd. are also included.

Sample Frame

WPSRS Forms: EIA-800 through EIA-804

The sample of companies that report weekly in the WPSRS was selected from the universe of companies that report monthly. All sampled companies report data only for facilities in the 50 States and the District of Columbia. The frame from which the EIA-800 sample is drawn includes all operating and idle petroleum refineries and blending plants in the 50 States and the District of Columbia. The EIA-801 sample frame includes all bulk terminal facilities in the United States and its possessions that have total bulk storage capacity of 50,000 barrels or more, or that receive

petroleum products by tanker, barge, or pipeline. The EIA-802 sample frame includes all petroleum product pipeline companies in the 50 States and the District of Columbia that transport refined petroleum products, including interstate, intrastate, and intracompany pipeline movements. Pipeline companies that transport only natural gas liquids are not included in the EIA-802 frame. Only those pipeline companies which transport products covered in the weekly survey are included. The EIA-803 sample frame consists of all companies which carry or store 1,000 barrels or more of crude oil. Included are gathering and trunk pipeline companies (including interstate, intrastate and intracompany pipelines), crude oil producers, terminal operators, storers of crude oil, and companies transporting Alaskan crude oil by water in the 50 States and the District of Columbia. The frame from which the EIA-804 sample is drawn includes importers of record of crude oil and petroleum products into the 50 States and the District of Columbia including imports of petroleum products from Puerto Rico, the Virgin Islands, and other U.S. possessions.

Sampling Designs

The sampling procedure used for the surveys in the WPSRS 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 some previous period. Companies are chosen for the sample beginning with the largest and adding companies until the total sample covers about 90 percent of the total for each item and each geographic region for which weekly data are published.

	Weekly Form	Sept. 2003 Frame Size	Weekly Sample Size
Refiners Refineries)	EIA-800	259(396)	74(253)
Bulk Terminals	EIA-801	240	64
Product Pipelines	EIA-802	81	40
Crude Oil Stock Holders	EIA-803	145	60
Importers	EIA-804	175	80

The geographic areas were defined as (a) the 24 States in which No. 2 distillate was a significant heating source and 50 States and the District of Columbia for residual and motor gasoline, (b) the 25 States in which propane was a significant energy source, or as (c) the PAD Districts for districts where not all State estimates are provided. The type-of-sale classifications were retail and resale for motor gasoline and residual fuel oil, and residential and nonresidential retail and wholesale for distillate and propane. Four

volume-of-sales strata (certainty, zero, low, and high) were defined with volume boundaries differing by State, sales type, and product.

The EIA-878 telephone survey collects price data from a selected sample of 912 retail gasoline outlets. The sample of outlets was designed to yield price estimates for national, PADD, and subdistrict PADD levels of ozone nonattainment and attainment areas, and select cities and states with a 1 cent standard error. Weekly sampling errors may vary from this target. The sample was derived by selecting companies with a probability proportional to size, based on their retail sales of gasoline reported on the EIA-782 monthly survey from November 1996 to October 1997. Once a company was selected, it was contacted to determine the location for each outlet randomly sampled within the outlets owned by the company. Using this location information, outlets were classified by the two fuel formulations. The number of outlets selected within each PADD varied according to expected price variances in each PADD and estimated distributions of outlets.

The EIA-888 telephone survey collects price data from a selected sample of 350 retail on-highway diesel fuel outlets. The sample for the survey was designed to yield price estimates at the PADD, sub-PADD and national level, and for the state of California. A 1 cent standard error was targeted for PADDs 1, 2 and 3, and 1.5 cents for PADDs 4, 5, sub-PADDs 1X, 1Y, 1Z, and the state of California. Standard errors for determining the sample size were estimated using data from the EIA-888 survey. The EIA-888 sample was derived as a probability proportional to size subsample of the respondents from the EIA-782A and EIA-782B sample who reported on-highway diesel fuel sales where the reported volume was the company size. Specific outlets within a company were selected using probability proportional to size sampling according to data provided by the company when initiated to the survey.

Collection Methods

Survey data for the WPSRS are collected by mail, mailgram, telephone, Telex, facsimile, and electronic transmission on a weekly basis. All canvassed firms must file by 5:00 p.m. on the Monday following the close of the report week, 7:00 a.m. Friday. During the processing week, company corrections of the prior week's data are also entered. Survey data are collected weekly by telephone and facsimile for the EIA-878 and EIA-888. It is mandatory for each monthly respondent to submit completed forms to EIA no later than 30 calendar days after the close of each reference month. For the EIA-878 and EIA-888 surveys, data are mostly collected through a Computer Assisted Telephone Interview (CATI) survey processing system on Monday of each week as of 8:00 a.m. local time. If Monday is a holiday, the calls are made on the next business day, however, the Monday price is recorded.

Data Processing

Data collected through WPSRS are received, logged into an automated Survey Control File, keyed and processed through an edit program. Data that fail the edits are resolved through

telephone calls to the respondents. Statistical reports, including publication tables, are generated using only acceptable and verified data. Imputation is performed for nonrespondents and for data that fail the edits. Data from the EIA-878 and EIA-888 telephone surveys are received over the telephone and entered on-line at collection time by the interviewer and edited.

Estimation And Imputation

Survey data gathered from the respondents invariably contain incomplete reporting, nonresponse, and values that fail editing. Imputation for nonrespondents in the WPSRS data base is performed after the company reports have been checked and entered into the system. The imputed values are exponentially smoothed means of recent weekly reported values for this specific company. The imputed values are treated like reported values in the estimation procedure, which calculates ratio estimates of the weekly totals. First, the current week's data for a given product reported by companies in a geographic region are summed. (Call this weekly sum, W_s .) Next, the most recent month's data for the product reported by those same companies are summed. (Call this monthly sum, M_s .) Finally, let M_t be the sum of most recent month's data for the product as reported by all companies. Then, the current week's ratio estimate for that product for all companies, W_t , is given by:

$$W_t = \frac{M_t}{M_s} \cdot W_s$$

This procedure is used directly to estimate total weekly inputs to refineries and production. To estimate stocks of finished products, the preceding procedure is followed separately for refineries, bulk terminals, and pipelines. Total estimates are formed by summing over establishment types.

Weekly imports data are highly variable on a company-by-company basis or a week-by-week basis. Therefore, an exponentially smoothed ratio has been developed. The estimate of total weekly imports is the product of the smoothed ratio and the sum of the weekly reported values and imputed values.

EIA-878 outlet prices are weighted by the estimated volume per outlet for each formulation and grade of gasoline, and by PADD. EIA-888 outlet prices have a constant weight within a PADD, sub-PADD and the state of California. Average prices are weighted by their respective volume percent of the U.S. volume of retail on-highway diesel fuel sales to derive the national average price.

Response Rates

The response rate at the close of business on the filing deadline day is about 80 percent for the EIA-800, 75 percent for the EIA-801, 95 percent for the EIA-802, 80 percent for the EIA-803, and greater than 95 percent for the EIA-804. However, more forms are received the next day, bringing the final response rates up. Late respondents are contacted by telephone. Nearly all of the major

companies report on time. The response rate for the published estimates is usually between 98 percent and 100 percent.

The response rates on Forms EIA-878, and EIA-888 are usually 98 to 100 percent.

Reliability Of Data

There are two types of errors possible in an estimate based on a sample survey: sampling and nonsampling. Sampling errors occur because observations are made only on a sample, not on the entire population. Non-sampling errors can be attributed to many sources in the collection and processing of data. The accuracy of survey results is determined by the joint effects of sampling and nonsampling errors.

Measures Of Sampling Variability

Tables showing data from the EIA-878, and EIA-888 surveys utilize a sample of resellers and retailers and, therefore, have sampling error. The particular sample used for each of the EIA-878, and EIA-888 surveys is one of a large number of all possible samples that could have been selected using the same design. Estimates derived from the different possible samples would differ from each other. The average of these estimates would be close to the estimate derived from a complete enumeration of the population (a census), assuming that a complete enumeration has the same nonsampling errors as the sample survey. The sampling error, or standard error of the estimate, is a measure of the variability among the estimates from all possible samples of the same size and design and, thus, is a measure of the precision with which an estimate from a particular sample approximates the results of a complete enumeration.

Nonsampling Errors

Nonsampling errors can be attributed to many sources such as incorrect reporting by respondents, mistakes in recording or coding the data, and other errors of collection, response, coverage, and estimation for missing data.

Confidentiality

The data contained in this publication are subject to statistical nondisclosure procedures. The objective of the disclosure-avoidance procedures, as stated in the Energy Information Administration Standard 88-05-06, Subject: "Nondisclosure of Company Identifiable Data in Aggregate Cells," is to ensure that confidential, company-identifiable data are not disclosed in tables where "company specific responses may be proprietary and prohibited from public disclosure by 18 U.S.C. 1905." Statistics representing data aggregated from fewer than three companies or that are dominated by input from one or two companies are withheld. EIA identifies cells that are sensitive according to these criteria by applying a statistical formula to the data contained in each cell to determine if a few companies "dominate" the cell. If a cell is sensitive, the data in that cell are suppressed and a "W" is placed in the publication cell. Also, since many tables include row or column totals, some nonsensitive data cells have been suppressed to prevent the reader from calculating

the suppressed numbers by simply subtracting the published numbers from the total.

Estimation Of Domestic Crude Oil Production

Monthly data on crude oil production for States are reported to the Department of Energy by State conservation agencies. Data on the volume of crude oil produced on Federally-owned offshore leases are reported by the Minerals Management Service, U.S. Department of the Interior. There is a time lag of approximately 4 months between the end of the reporting month and the time when the monthly crude oil production information becomes available. In order to present more timely crude oil production volumes, the Energy Information Administration prepares weekly crude oil production estimates which are based on historical production patterns and, where available, other data such as pipeline runs from the Alaskan North Slope during the week. These weekly estimates are presented as the weekly and 4-week average crude oil production volumes shown in this publication. Cumulative crude oil production volumes shown in the U.S. Petroleum Balance Sheet include revised estimates published in the *Petroleum Supply Monthly*.

Estimation Of Exports

Official U.S. exports statistics for crude oil and petroleum products are compiled by the U.S. Bureau of the Census and are published in the *Petroleum Supply Monthly*. The EIA obtains these data on a monthly basis approximately 10 weeks after the close of the reporting month. 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 exports 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. Because of the reduction in volume of crude oil exports, and a shift in the country distribution, a new model was implemented on November 2, 2001 to determine the expected volume of crude oil exports.

Estimation Of Other Oils Stocks

Data are derived by (1) computing an average daily rate of stock change for the minor products for each month based on monthly data for the past 6 years; (2) using this daily rate and the minor stock levels from the most recent monthly publication to estimate the minor product stock level for the current period. Year ago data are interpolated from published monthly stock levels.

Initial Estimates of Petroleum Prices

The initial estimates are forecasts of U.S. and PADD prices for crude oil and selected petroleum products published in the *Petroleum Marketing Monthly* (PMM) (See Table 19). The initial estimates are published 1-2 months ahead of the normal publication schedule for the PMM. The initial estimates are forecasted using an autoregressive integrated moving average (ARIMA) transfer function model. The initial estimate is

calculated based on its own past values and present and past values of other related time series, such as spot prices and heating degree-days. At least 5 years of data are used to obtain the forecasts.

One method of forecast evaluation is to compare actual to one month ahead forecast values for a 12 month period. Then, the Average Absolute Differences (AAD) are calculated. This provides a good indicator of the error associated with the forecasts. For the period January 1997 to December 1998, the forecasted values were within 2 cents of the actual value for 85% of the petroleum products and within 30 cents of the actual value for all the crude oil forecasts.

Data Assessment

The principal objective of the Petroleum Supply Reporting System is to provide an accurate picture of petroleum industry activities and of the availability of petroleum products nationwide from primary distribution channels. The weekly data, which are based on sample estimates stemming largely from preliminary company data, serve as leading indicators of the monthly data. The weekly data are not expected to have the same level of accuracy as the preliminary monthly data when compared with final monthly data. However, the weekly data are expected to exhibit like trends and product flows characteristic of the preliminary and final monthly data.

To assess the accuracy of weekly statistics, monthly estimates derived from weekly estimates are compared with the final monthly aggregates published in the *Petroleum Supply Annual*. Although final monthly data are still subject to error, they have been thoroughly reviewed and edited, they reflect all revisions made during the year and they are considered to be the most accurate data available. The mean absolute percent error provides a measure of the average revisions relative to the aggregates being measured for a variable. The mean absolute percent error for 2002 weekly data was less than 2 percent for 27 of the 61 major petroleum variables analyzed. Many of the variables with mean absolute percent errors of 2 percent or more were for refined products imports series. The mean absolute percent error for total weekly refined products imports was 5.17 percent for 2002. It should be noted that products imports data are highly variable and cannot be estimated from a sample with the same precision as other petroleum variables. Weekly estimates for refined products imports are almost always low because small companies, which are not in the weekly sample, generally import large volumes of finished products only a few times during the year.

An analytical article, "Accuracy of Petroleum Supply Data," which assesses the differences between preliminary and final data on the 61 major petroleum variables, is published in the *Petroleum Supply Monthly* once each year.

Interpretation And Derivation Of Average Inventory Levels

The national inventory (stocks) graphs for total petroleum products, crude oil, motor gasoline, distillate fuel oil, and residual fuel oil in this publication include features to assist in comparing current inventory levels with past inventory levels and with judgments of critical levels. Methods used in developing the average inventory levels and lower operational inventory are described below.

Average Inventory Levels

The graphs displaying inventory levels of crude oil and petroleum products (p.4), crude oil (p.6), motor gasoline (p.8), distillate fuel oil (p.10), residual fuel oil (p.12), and propane (p.14) provide the reader with actual inventory data compared to an "average range" for the most recent 5-year period running from January through December or from July through June. The ranges also reflect seasonal variation for the past 7 years. The seasonal factors, which determine the shape of the upper and lower curves, are estimated with a seasonal adjustment technique developed at the Bureau of Census (Census X-11). The seasonal factors are assumed to be stable (i.e., the same seasonal factor is used for each January during the 7-year period) 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 annual variation from the data. Thus, deseasonalized series would contain the same trends, cyclical components, and irregularities as the original data. The seasonal factors are updated annually in October, using the 7 most recent years' final monthly data. The seasonal factors are used to deseasonalize data from the most recent 5-year period (January-December or July-June) in order to determine a deseasonalized average band. The average of the deseasonalized 36-month series is the midpoint of the band, and two standard deviations of the series (adjusting first for extreme points) is its width. When the seasonal factors are added back in (the upper curve is the midpoint plus one standard deviation plus the seasonal factor, and the lower curve is the midpoint minus one standard deviation plus the seasonal factor), the "average range" shown on the graphs reflects the actual data. The ranges are updated every 6 months in April and October (Table A1).

Lower Operational Inventory

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.

Calculation of World Oil Price

The weighted average international price of oil, shown in the "Highlights" on page 1 and on page 24, is an average calculated using specific crude oil prices weighted by the estimated crude oil export volume for each oil-producing country. To develop the table shown on page 24, a list of major oil producing/exporting countries was chosen. For each country, the contract selling price

**Table A1. Upper and Lower Limits of Average Ranges in Inventory Graphs
(Million Barrels)**

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Upper Limit												
Total Petroleum	1,027.3	1,015.2	1,022.9	1,041.2	1,070.9	1,073.2	1,075.2	1,068.2	1,070.3	1,058.9	1,062.2	1,028.1
Crude Oil	319.8	319.2	333.9	339.8	340.8	330.6	327.6	321.9	315.3	320.4	321.1	311.0
PADD 1	15.6	14.8	15.0	16.1	16.3	15.8	16.8	15.8	16.7	15.1	14.9	14.1
PADD 2	66.4	66.6	71.2	74.3	74.4	71.4	70.7	68.8	67.3	68.7	69.0	68.1
PADD 3	165.2	166.8	173.1	176.3	175.9	170.7	170.3	168.6	163.5	168.0	165.6	158.6
PADD 4	13.5	13.4	14.2	14.5	14.5	13.6	13.2	12.9	12.7	12.9	12.9	13.5
PADD 5	62.6	60.4	63.0	61.3	62.7	61.7	59.3	58.2	56.3	58.6	61.7	59.3
Motor Gasoline	223.8	221.1	215.2	216.2	221.4	220.9	214.1	204.9	210.7	206.5	211.7	211.5
PADD 1	62.5	61.0	60.1	61.4	65.3	66.3	60.7	57.5	57.6	57.5	59.8	59.4
PADD 2	57.0	58.1	54.9	53.6	54.9	55.7	54.7	53.3	55.4	52.5	53.5	52.7
PADD 3	65.4	65.2	64.7	64.7	64.7	64.4	63.5	61.2	64.0	63.2	62.3	62.7
PADD 4	8.1	8.1	7.6	6.7	6.8	6.7	6.3	6.0	6.3	6.5	7.1	7.3
PADD 5	33.5	31.1	30.0	32.2	32.6	31.0	30.3	29.1	30.5	30.3	31.4	31.9
Distillate Fuel Oil	137.9	132.1	123.5	123.2	129.8	133.7	139.4	141.5	145.5	143.2	148.1	146.7
PADD 1	59.5	55.5	47.9	47.4	52.6	56.3	61.7	64.5	66.6	68.4	69.2	66.3
PADD 2	32.5	33.2	31.1	31.2	31.5	32.1	32.6	32.5	32.2	29.0	32.1	33.3
PADD 3	31.2	29.8	31.1	30.6	31.6	31.6	32.2	32.1	33.2	32.6	32.7	32.5
PADD 4	3.5	3.4	3.1	2.8	3.3	3.4	3.3	2.9	2.9	2.9	3.3	3.5
PADD 5	12.5	11.9	12.4	12.9	12.7	12.1	11.7	11.2	11.9	11.9	12.8	12.9
Residual Fuel Oil	41.8	40.6	40.6	40.3	40.5	40.9	39.4	39.7	39.7	39.9	42.0	42.9
PADD 1	17.0	15.5	14.4	14.7	15.8	16.3	16.5	15.8	16.8	17.5	17.9	18.4
PADD 2	2.2	2.2	2.1	2.2	2.2	2.1	2.1	2.1	2.1	2.0	2.1	2.1
PADD 3	16.1	16.1	17.1	16.7	16.1	16.1	14.9	15.2	14.8	14.4	15.8	15.9
PADD 4	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.4	0.4	0.5
PADD 5	6.9	6.9	6.7	6.6	6.4	6.4	6.3	6.5	6.2	6.3	6.4	6.1
Propane	45.8	40.2	38.0	43.3	52.2	59.9	66.6	70.9	72.4	71.6	68.7	59.0
PADD 1	4.0	3.8	3.3	3.7	4.1	4.6	5.4	5.7	5.8	5.9	5.8	5.4
PADD 2	17.1	14.7	14.0	16.1	20.1	23.8	27.1	29.3	29.9	29.1	28.4	23.1
PADD 3	23.3	20.3	20.1	22.7	26.9	30.1	32.3	33.6	33.9	34.1	32.5	29.1
Lower Limit												
Total Petroleum	919.1	906.9	914.7	932.9	962.6	964.9	966.9	960.0	962.0	950.6	953.9	919.8
Crude Oil	281.4	280.7	295.5	301.3	302.4	292.1	289.2	283.5	276.9	282.0	282.7	272.5
PADD 1	13.7	12.9	13.1	14.1	14.3	13.8	14.8	13.8	14.7	13.1	13.0	12.1
PADD 2	54.1	54.3	58.9	62.0	62.1	59.1	58.4	56.5	55.0	56.4	56.7	55.8
PADD 3	145.5	147.0	153.4	156.6	156.1	150.9	150.6	148.9	143.8	148.3	145.8	138.9
PADD 4	12.4	12.2	13.1	13.4	13.4	12.5	12.1	11.8	11.6	11.8	11.8	12.4
PADD 5	54.0	51.8	54.3	52.6	54.1	53.0	50.6	49.6	47.6	50.0	53.0	50.6
Motor Gasoline	210.4	207.6	201.7	202.8	208.0	207.4	200.6	191.5	197.2	193.0	198.2	198.0
PADD 1	56.5	55.0	54.1	55.4	59.3	60.3	54.8	51.5	51.6	51.5	53.8	53.4
PADD 2	51.5	52.7	49.4	48.1	49.4	50.2	49.2	47.9	49.9	47.0	48.0	47.3
PADD 3	61.3	61.1	60.6	60.5	60.6	60.3	59.4	57.1	59.9	59.0	58.2	58.5
PADD 4	7.4	7.4	6.9	6.0	6.1	6.0	5.6	5.3	5.6	5.8	6.4	6.6
PADD 5	31.2	28.9	27.7	29.9	30.4	28.8	28.0	26.8	28.2	28.0	29.1	29.6
Distillate Fuel Oil	112.6	106.8	98.2	97.9	104.5	108.4	114.1	116.2	120.2	117.9	122.8	121.4
PADD 1	38.4	34.5	26.8	26.4	31.6	35.2	40.6	43.4	45.5	47.3	48.1	45.2
PADD 2	29.1	29.8	27.7	27.8	28.2	28.8	29.2	29.1	28.8	25.6	28.8	30.0
PADD 3	28.4	27.0	28.2	27.8	28.7	28.7	29.3	29.3	30.3	29.7	29.9	29.6
PADD 4	3.2	3.1	2.8	2.5	2.9	3.1	3.0	2.6	2.5	2.5	3.0	3.2
PADD 5	11.3	10.7	11.2	11.7	11.6	10.9	10.6	10.1	10.8	10.7	11.6	11.7
Residual Fuel Oil	35.6	34.4	34.3	34.1	34.3	34.7	33.1	33.5	33.5	33.7	35.8	36.6
PADD 1	13.3	11.8	10.7	11.0	12.1	12.6	12.8	12.0	13.1	13.8	14.2	14.7
PADD 2	1.8	1.8	1.7	1.9	1.8	1.7	1.7	1.7	1.7	1.6	1.7	1.7
PADD 3	13.9	14.0	15.0	14.6	14.0	14.0	12.8	13.0	12.7	12.3	13.7	13.8
PADD 4	0.3	0.4	0.3	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3
PADD 5	5.9	6.0	5.8	5.7	5.5	5.5	5.4	5.5	5.3	5.3	5.5	5.2
Propane	31.0	25.4	23.2	28.5	37.4	45.1	51.8	56.1	57.5	56.8	53.9	44.2
PADD 1	3.0	2.8	2.3	2.7	3.1	3.6	4.4	4.7	4.8	4.9	4.8	4.4
PADD 2	9.7	7.3	6.7	8.8	12.7	16.4	19.7	21.9	22.5	21.8	21.0	15.7
PADD 3	15.5	12.5	12.4	14.9	19.1	22.3	24.5	25.9	26.1	26.4	24.7	21.3

of one or more representative crude oils was determined by investigating a number of industry publications (i.e., "Oil Buyers' Guide", "Platt's Oilgram Price Report", "Petroleum Intelligence Weekly", and "Weekly Petroleum Argus") and by contacting oil market analysts. Then, the appropriate crude oil volumes to be used as weighting factors for each country were determined. These volumes are estimates based on a number of sources which provide data on production, consumption, and exports for these countries. Export volumes for a number of smaller producing/exporting countries, not listed in the table, are included in the weighting factors. After the export volumes had been determined, simple mathematical weighted averages were calculated to arrive at the "Total OPEC," "Total Non-OPEC," and "Total World" prices. The average United States (FOB) import price is derived by the same basic procedure as the world oil price, that is, taking the representative contract crude oil price of a specific crude oil from a particular country and weighting this price by a certain volume of crude oil. In this case, the weighting factors are the volumes of crude oil imported into the U.S. from pertinent countries. Import volumes from a number of smaller producing/exporting countries, not listed in the table, are included in the weighting factors.

Both the import and export volumes are preliminary. Due to their origin, these estimates cannot be fully verified. These volumes are updated monthly, or more frequently when changes in oil market conditions make updating appropriate.

Form EIA-807 Propane Survey

The Form EIA-807, "Propane Telephone Survey," was implemented in April 1990 as the result of the 1989 propane supply disruption. The hardships experienced by propane users during the December 1989 cold-snap in the Northeast and Mid-Continent areas made the need for timely supply information imperative. During 1990, propane data was collected and provided to Congress and others upon request.

Respondent Frame

The sample of companies that report monthly is selected from the universe of respondents that report on the monthly surveys listed below:

Form Number	Name
EIA-810	<i>Monthly Refinery Report</i>
EIA-811	<i>Monthly Bulk Terminal Report</i>
EIA-812	<i>Monthly Product Pipeline Report</i>
EIA-816	<i>Monthly Natural Gas Liquids Report</i>

Sampling

The sampling procedure used for the EIA-807 is the cut-off method. In the cut-off method, facilities are ranked from largest to smallest on the basis of quantities reported for propane production, imports, and stocks. Companies are chosen for the sample

beginning with the largest and adding companies until the total sample covers about 90 percent of the total for each item and each geographic region (Petroleum Administration for Defense Districts I (IA, IB, IC), II and III) for which data are published. A bench mark factor is used to capture the remaining 10 percent of the propane industry.

The sample frame for the EIA-807 is re-evaluated on an annual basis to assure 90 percent coverage of the total for each item collected and each geographic region. However, when necessary the sample frame is updated more frequently.

Collection Methods

Data are collected by telephone or facsimile. No written confirmation of the data submission is necessary. For monthly data collections, telephone calls to respondents start on the third working day following the end of the report period.

Resubmissions

Resubmissions are any changes to the originally submitted data that were either requested by the EIA or initiated by the respondent. 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.

Estimation and Imputation

After the company reports have been checked and entered into the EIA-807 data base, imputation is done for companies which have not yet responded. The imputed values are equal to the latest reported data for a particular reporting unit. Response rates are over 90 percent so very little imputation is done.

After the data files have been edited and corrected, aggregation is done for each geographic region. Estimation factors, derived similarly to those described on page 32, are then applied to each cell to generate published data.

Response Rate

The response rate is generally 95 to 100 percent. Chronic nonrespondents and late filing respondents are contacted by telephone and reminded of their requirement to report. Nearly all of the major companies report on time. The nonresponse rate for the published estimate is usually between 1 percent and 2 percent.

Propane Figures

The national and PADD level inventory (stocks) graphs include features to assist in comparing current inventory levels with past inventory levels and with judgements of critical levels. Figures C7 through C10 provide the reader with actual inventory data compared to an "average range" for the most recent three-year period running from January through December or from July through June. The ranges also reflect seasonal variation for the past seven years. See page 34 for a further discussion.

Technical Notes

Note 1

The spot prices that are shown in Tables 14 and 15 are calculated by taking an unweighted average of the daily closing spot prices for a given product over a specified time period, such as a week or month.

Note 2

The futures prices shown in Table 16 are the official daily closing prices at 2:30 p.m. from the trading floor of the New York Mercantile Exchange (NYMEX) for a specific delivery month for each product listed in Table 16.

Note 3

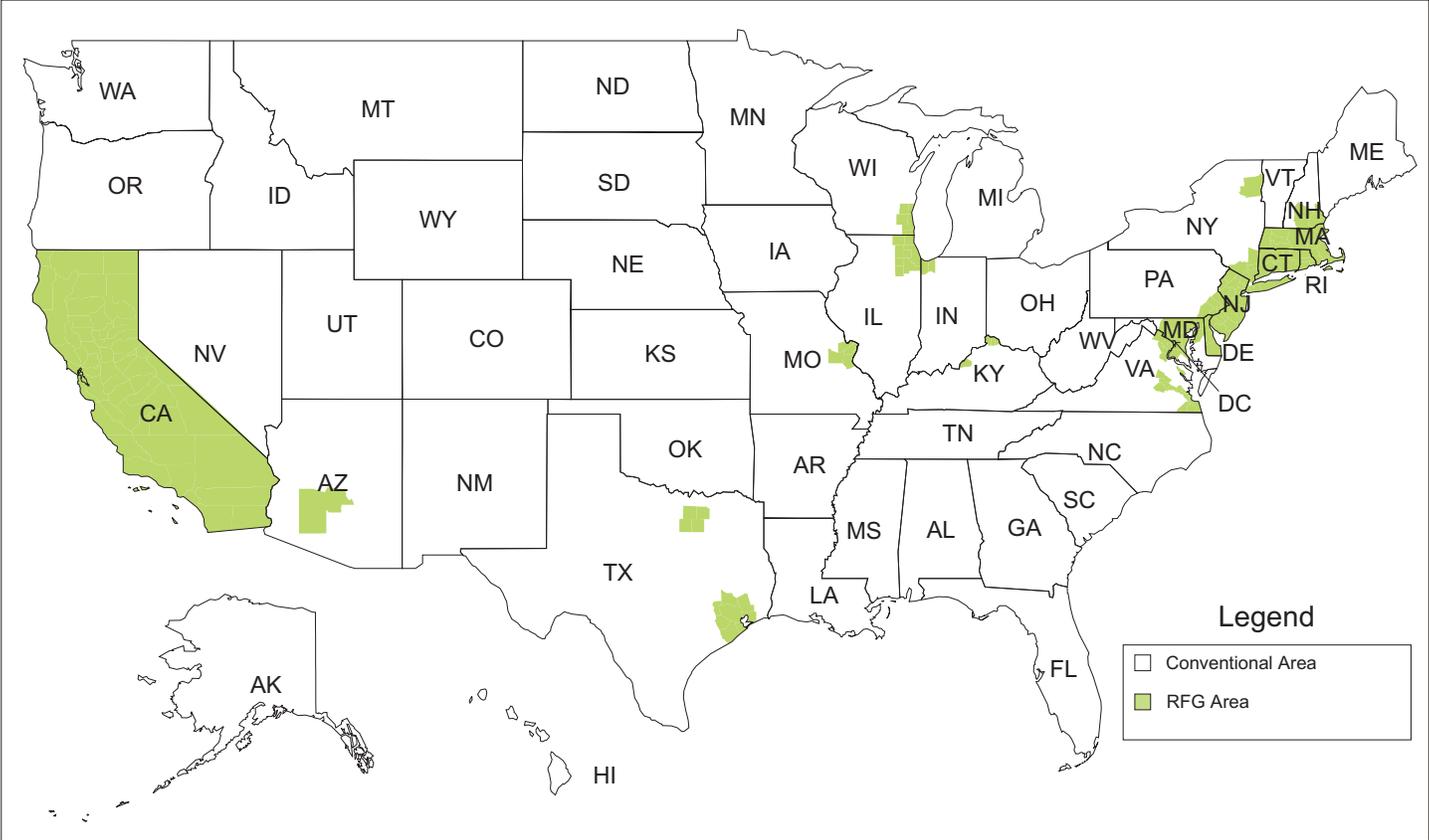
The futures price differentials shown in Figure 13 show the market premium for the first NYMEX delivery month contract over the second. For example, the data for September show the difference

between October and November futures contract prices for crude oil and petroleum products, indicating the relative values placed by markets on commodities to be delivered during those two months. This differential, if negative and large enough, provides incentive for refiners and traders to hold product in storage, and if positive, to defer purchases until some future point in time.

Note 4

The retail gasoline prices shown in Table 17 reflect sales of reformulated gasoline (RFG) in those areas where required by Federal or State law, and conventional gasoline elsewhere (see Figure A1). Areas requiring RFG may change over time due to the ozone non-attainment status of an area being re-designated by the Environmental Protection Agency (EPA), a State opting in or out of an EPA clean fuel program, or a State adopting its own specific clean fuel program. EIA reclassifies the outlets reporting retail gasoline prices each time an area shifts in or out of a reformulated gasoline program. "Conventional areas" in this instance include areas where oxygenated gasoline may be required for all or part of the year.

Figure A1. Gasoline Formulation Required by Area as of June 1, 2001



Source: U.S. Environmental Protection Agency and State environmental offices.

Appendix B

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 "This Week In Petroleum."

Northeast Heating Oil Reserve (Thousand Barrels)

Terminal Operator	Location	Week Ending December 5, 2003
First Reserve Terminal	Woodbridge, NJ	1,000
Williams Energy Services	New Haven, CT	500
Motiva Enterprises LLC	New Haven, CT	250
Motiva Enterprises LLC	Providence, RI	250

Source: Energy Information Administration

Appendix C

Table C1. Residential Heating Oil Prices by Region and State
(Cents per Gallon)

2002-2003 Heating Season Monthly												
Region/State	October	November	December	January	February	March						
Average	126.6	127.6	133.5	145.2	168.4	183.2						
East Coast (PADD I)	127.2	128.3	134.7	147.0	170.7	186.1						
New England (PADD IA)	123.4	124.0	131.0	143.7	168.8	183.6						
Central Atlantic (PADD IB)	131.3	132.8	139.1	151.2	174.4	191.1						
Lower Atlantic (PADD IC)	118.3	119.7	123.6	134.9	154.6	163.0						
Midwest (PADD II)	120.3	120.1	121.5	126.9	142.9	151.7						
2003-2004 Heating Season Monthly												
Region/State	October	November	December	January	February	March						
Average	137.3	139.5	NA	NA	NA	NA						
East Coast (PADD I)	138.6	141.2	NA	NA	NA	NA						
New England (PADD IA)	132.8	136.2	NA	NA	NA	NA						
Central Atlantic (PADD IB)	144.5	146.5	NA	NA	NA	NA						
Lower Atlantic (PADD IC)	127.0	128.5	NA	NA	NA	NA						
Midwest (PADD II)	125.6	125.1	NA	NA	NA	NA						
2003-2004 Heating Season Weekly												
Region/State	10/6	10/13	10/20	10/27	11/3	11/10	11/17	11/24	12/1	12/8	12/15	12/22
Average	134.4	137.9	138.5	138.6	138.3	138.6	140.0	141.1	141.3	142.6	145.9	148.9
East Coast (PADD I)	135.8	139.2	139.8	139.9	139.8	140.1	141.7	143.0	143.4	144.7	148.1	151.4
New England (PADD IA)	129.5	133.5	133.9	134.3	134.7	134.8	136.8	138.3	138.7	139.9	144.7	147.8
Connecticut	135.4	139.8	140.2	139.8	139.5	139.2	140.7	142.1	141.8	142.6	149.1	151.4
Maine	127.4	129.0	130.5	131.4	131.7	131.5	132.3	134.2	134.5	135.5	138.6	141.2
Massachusetts	126.5	131.2	131.8	132.2	133.3	133.7	136.3	137.6	138.6	139.7	144.6	148.4
New Hampshire	126.0	129.1	126.9	129.2	130.1	130.2	131.3	132.8	133.0	134.6	136.9	140.3
Rhode Island	129.6	134.9	133.4	132.9	132.5	132.5	136.0	140.3	139.7	141.9	149.4	151.6
Vermont	136.7	138.3	139.7	140.2	140.2	140.7	142.1	143.3	143.4	145.0	147.1	149.7
Central Atlantic (PADD IB)	142.0	145.2	145.9	145.6	145.0	145.6	147.1	148.2	148.6	150.1	152.7	156.1
Delaware	129.5	132.3	133.3	132.1	131.5	131.4	133.2	133.2	136.9	140.7	142.9	146.6
Dist Columbia	151.2	155.8	156.4	150.4	150.4	150.4	158.0	161.1	161.0	165.6	172.0	176.3
Maryland	143.7	146.3	145.7	146.0	146.1	146.1	148.9	150.1	150.1	151.8	153.2	157.1
New Jersey	141.4	145.7	145.3	145.8	145.9	146.4	148.0	149.6	149.3	151.4	154.8	158.7
New York	149.3	151.9	152.5	150.9	149.5	150.4	152.4	153.5	153.5	155.2	158.0	161.9
Pennsylvania	133.8	137.2	138.6	139.4	139.3	139.6	140.3	141.1	142.2	143.1	145.0	147.5
Lower Atlantic (PADD IC)	125.4	126.8	127.5	128.3	128.1	128.1	128.5	129.4	129.3	130.5	132.4	135.6
North Carolina	123.0	124.5	126.0	126.5	126.1	126.1	126.4	127.0	126.7	127.2	127.9	132.1
Virginia	127.1	128.3	128.5	129.6	129.5	129.4	130.0	131.1	131.1	132.7	135.4	138.0
Midwest (PADD II)	121.5	126.1	127.5	127.1	125.8	125.2	125.0	124.5	123.7	124.1	126.3	127.6
Indiana	119.1	123.2	122.8	123.3	122.3	122.2	122.0	123.4	123.5	124.0	126.1	127.5
Iowa	113.5	119.7	121.0	119.1	115.2	113.8	114.1	114.8	114.1	113.8	115.0	116.1
Kentucky	115.0	117.6	120.7	119.7	118.7	119.0	119.7	121.1	119.2	119.7	120.4	122.3
Michigan	123.6	126.6	128.1	128.3	128.0	128.0	128.2	125.2	124.2	124.9	129.9	130.6
Minnesota	123.0	131.9	132.8	129.9	128.0	127.0	126.9	126.7	126.1	125.8	126.9	128.4
Nebraska	110.9	116.8	116.1	114.8	110.9	110.5	112.2	111.4	108.8	108.8	110.1	110.8
Ohio	118.0	123.1	123.7	124.0	123.0	122.0	121.0	121.3	120.6	121.5	123.7	125.9
Wisconsin	125.3	127.5	131.0	130.8	129.3	128.5	128.4	127.8	126.8	126.9	127.9	128.8

Source: Based on data collected by State Energy Offices.

Table C2. Wholesale Heating Oil Prices by Region and State
(Cents per Gallon)

2002-2003 Heating Season Monthly

Region/State	October	November	December	January	February	March
Average	85.1	80.3	85.9	93.1	115.3	121.9
East Coast (PADD I)	80.9	76.4	85.4	94.8	117.9	127.2
New England (PADD IA)	81.0	77.1	86.9	96.6	119.8	128.7
Central Atlantic (PADD IB)	81.1	76.7	85.4	94.9	119.0	130.3
Lower Atlantic (PADD IC)	80.2	74.7	83.5	92.4	112.4	116.5
Midwest (PADD II)	90.0	84.9	86.6	91.1	112.1	115.6

2003-2004 Heating Season Monthly

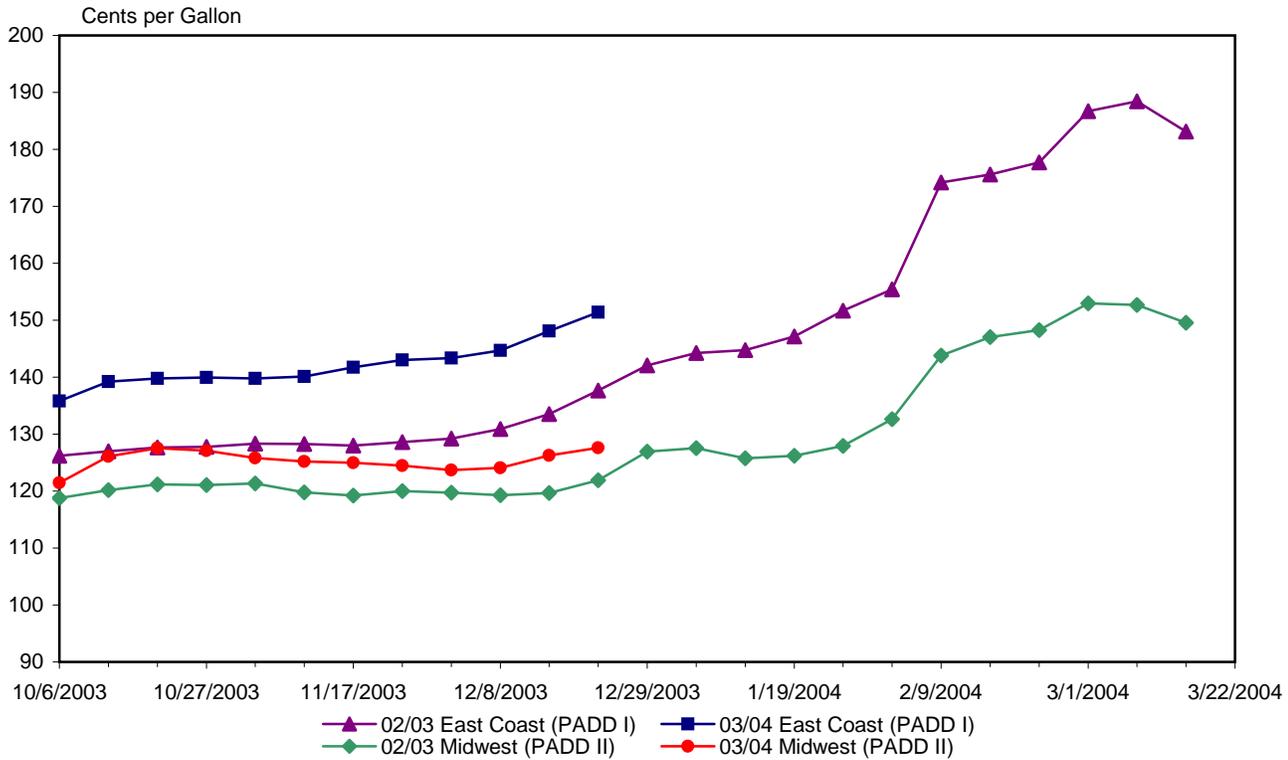
Region/State	October	November	December	January	February	March
Average	90.2	88.3	NA	NA	NA	NA
East Coast (PADD I)	87.3	87.3	NA	NA	NA	NA
New England (PADD IA)	87.9	88.3	NA	NA	NA	NA
Central Atlantic (PADD IB)	87.8	87.6	NA	NA	NA	NA
Lower Atlantic (PADD IC)	85.3	85.1	NA	NA	NA	NA
Midwest (PADD II)	93.6	89.5	NA	NA	NA	NA

2003-2004 Heating Season Weekly

Region/State	10/6	10/13	10/20	10/27	11/3	11/10	11/17	11/24	12/1	12/8	12/15	12/22
Average	88.3	94.5	89.6	88.3	85.4	87.5	90.8	89.5	86.2	89.1	93.5	94.2
East Coast (PADD I)	85.3	91.5	86.6	85.9	82.7	86.3	90.5	89.7	86.5	89.8	94.6	96.3
New England (PADD IA)	85.8	92.0	87.1	86.5	83.5	87.1	91.8	90.9	87.7	91.1	96.9	98.8
Connecticut	86.3	92.2	87.1	86.7	83.3	87.1	91.3	90.7	87.2	91.0	97.2	98.8
Maine	86.1	92.4	87.4	87.0	84.5	87.3	92.1	91.5	88.4	91.1	97.4	99.0
Massachusetts	86.1	92.4	87.6	86.9	83.8	87.6	92.4	91.4	88.2	91.8	97.2	99.0
New Hampshire	83.9	90.4	85.6	84.6	81.7	86.0	90.6	89.6	86.6	89.5	95.5	97.8
Rhode Island	85.3	91.4	86.7	86.1	83.3	86.6	91.2	90.5	86.9	90.4	96.0	98.8
Central Atlantic (PADD IB)	85.7	91.9	87.1	86.3	83.1	86.6	90.8	89.9	86.7	90.3	95.2	96.8
Delaware	83.6	89.8	85.0	84.4	81.6	84.8	89.4	88.8	85.6	88.5	94.5	96.3
Maryland	83.6	89.2	84.6	83.7	80.7	84.6	88.2	87.6	84.6	87.2	91.2	93.6
New Jersey	84.2	90.7	86.0	85.2	81.5	85.7	90.1	89.5	86.2	91.2	95.1	96.1
New York	87.7	94.2	89.0	88.4	85.3	88.3	92.9	92.0	88.5	91.6	97.4	99.0
Pennsylvania	86.1	92.1	87.3	86.5	83.4	86.7	90.6	89.3	86.2	89.4	94.6	96.4
Lower Atlantic (PADD IC)	83.5	89.4	84.5	83.8	80.8	84.2	87.8	87.7	84.5	86.5	90.1	91.7
North Carolina	83.1	88.9	84.0	83.4	80.2	83.9	87.5	87.6	84.3	86.3	89.7	91.4
Virginia	83.8	89.9	85.0	84.2	81.3	84.5	88.1	87.8	84.6	86.7	90.5	91.9
Midwest (PADD II)	91.8	98.2	93.2	91.1	88.6	89.0	91.2	89.1	85.8	88.4	92.2	91.7
Illinois	90.0	95.5	91.4	91.4	91.6	92.2	93.8	93.9	91.7	93.4	95.6	94.0
Indiana	88.2	93.7	87.6	86.1	86.4	85.4	89.6	88.2	84.9	87.9	91.5	89.4
Iowa	94.9	103.2	98.3	93.3	87.4	90.6	92.0	89.6	84.7	87.6	91.8	93.2
Kansas	93.0	100.4	96.2	91.1	85.3	88.6	90.4	88.3	83.8	86.4	89.8	91.2
Kentucky	89.2	96.1	91.6	90.4	87.1	90.5	93.5	90.5	87.4	89.0	93.0	92.9
Michigan	92.5	98.1	92.0	90.9	89.0	87.5	90.9	87.8	85.0	87.4	91.5	90.0
Minnesota	98.1	107.4	101.5	95.5	89.9	93.1	93.4	90.3	85.8	88.6	92.4	93.6
Missouri	86.7	92.4	87.4	85.9	83.5	84.4	87.4	86.1	83.0	86.0	90.3	89.5
North Dakota	97.3	105.3	100.7	96.1	91.5	93.8	94.7	91.2	86.3	89.0	93.0	94.8
Ohio	93.6	99.0	95.4	94.5	92.6	89.3	90.4	87.7	84.7	87.9	92.2	91.2
South Dakota	95.1	103.4	98.8	93.4	88.4	91.3	92.5	89.9	86.0	88.0	92.2	94.2
Wisconsin	92.7	99.2	93.2	91.1	87.7	87.8	89.4	87.6	84.5	87.5	91.7	91.6

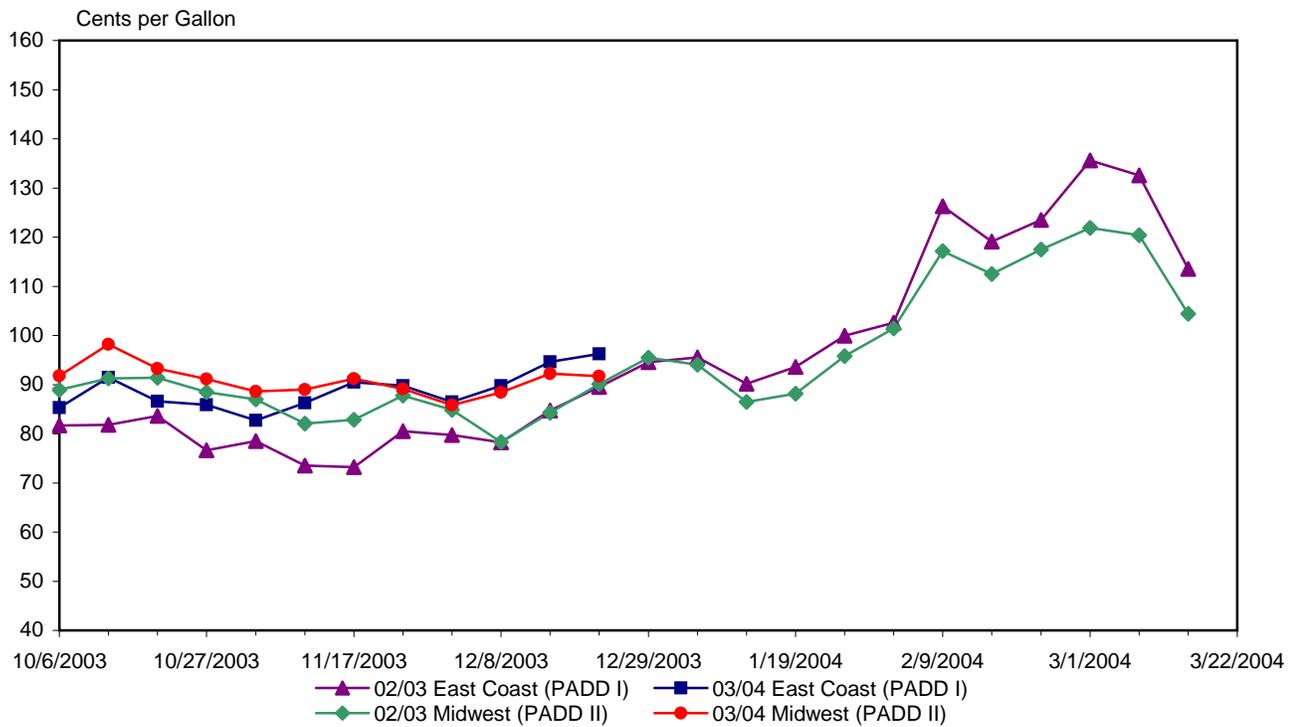
Source: Based on terminal quotes collected by the Oil Price Information Service (OPIS).

Figure C1. Residential Heating Oil Prices by PAD District



Source: Based on data collected by State Energy Offices.

Figure C2. Wholesale Heating Oil Prices by PAD District



Source: Based on data collected by Oil Price Information Service.

Table C3. Residential Propane Prices by Region and State

(Cents per Gallon)

2002-2003 Heating Season Monthly

Region/State	October	November	December	January	February	March
Average	113.3	116.0	121.1	130.7	148.0	165.3
East Coast (PADD I)	132.8	134.4	139.1	149.9	168.6	184.3
New England (PADD IA)	140.5	141.6	145.0	153.6	170.3	187.9
Central Atlantic (PADD IB)	134.2	135.9	140.3	151.6	172.5	188.3
Lower Atlantic (PADD IC)	123.5	125.8	132.1	144.2	161.2	175.1
Midwest (PADD II)	100.0	103.5	108.8	117.7	134.2	152.5

2003-2004 Heating Season Monthly

Region/State	October	November	December	January	February	March
Average	130.8	133.0	NA	NA	NA	NA
East Coast (PADD I)	148.0	150.6	NA	NA	NA	NA
New England (PADD IA)	155.9	160.5	NA	NA	NA	NA
Central Atlantic (PADD IB)	149.7	151.3	NA	NA	NA	NA
Lower Atlantic (PADD IC)	136.6	138.8	NA	NA	NA	NA
Midwest (PADD II)	117.7	119.4	NA	NA	NA	NA

2003-2004 Heating Season Weekly

Region/State	10/6	10/13	10/20	10/27	11/3	11/10	11/17	11/24	12/1	12/8	12/15	12/22
Average	128.2	130.5	132.7	132.5	132.5	132.7	133.0	133.6	134.1	135.4	139.2	141.5
East Coast (PADD I)	145.9	147.8	149.6	149.5	149.8	150.1	150.9	151.6	151.9	153.4	158.0	160.9
New England (PADD IA)	154.1	154.6	157.5	158.3	158.9	159.6	161.8	161.9	162.3	163.0	165.4	170.2
Connecticut	148.2	147.1	148.1	148.4	150.2	150.8	151.7	151.7	152.0	152.8	158.1	160.7
Maine	157.9	155.9	154.8	158.3	158.5	156.7	156.8	156.5	157.9	159.4	162.2	163.1
Massachusetts	149.6	150.3	150.2	150.1	150.5	152.6	152.0	152.1	152.6	153.2	154.3	158.4
New Hampshire	153.4	155.1	158.1	154.9	156.0	157.8	158.0	158.5	159.0	159.4	162.0	165.2
Rhode Island	173.7	175.4	179.3	179.9	178.3	177.2	177.3	179.8	179.2	180.5	185.1	189.7
Vermont	156.0	156.7	162.3	165.8	166.1	166.2	172.0	172.0	172.0	172.7	174.5	182.4
Central Atlantic (PADD IB)	147.4	150.3	151.6	150.6	150.7	151.1	151.3	152.2	152.4	154.1	159.0	161.4
Delaware	149.5	153.4	154.2	153.7	152.5	152.7	153.1	153.2	154.1	154.9	162.1	163.6
Maryland	159.5	160.6	158.8	159.8	160.8	160.5	161.0	161.3	162.0	165.2	171.3	173.8
New Jersey	152.4	154.5	155.1	157.6	158.8	161.3	161.8	161.5	162.1	163.7	168.7	172.7
New York	145.6	149.1	151.9	149.7	149.6	149.6	149.8	150.3	150.5	152.0	156.5	158.1
Pennsylvania	145.6	148.1	148.4	147.9	148.0	148.6	149.0	150.6	150.7	152.4	157.2	160.3
Lower Atlantic (PADD IC)	134.6	136.1	137.7	138.2	138.4	138.5	138.8	139.6	140.1	142.1	148.3	150.0
North Carolina	130.1	132.4	134.4	134.9	135.1	135.2	135.3	136.0	135.9	137.2	144.1	145.9
Virginia	143.5	143.7	144.2	145.0	145.0	145.1	145.7	147.0	148.6	152.1	157.0	158.4
Midwest (PADD II)	114.8	117.2	119.7	119.4	119.2	119.3	119.2	119.8	120.3	121.5	124.8	126.6
Indiana	112.3	113.3	114.0	114.1	111.6	111.9	111.6	111.3	112.4	113.5	118.9	122.2
Iowa	99.2	105.0	107.7	105.3	104.6	104.5	102.6	102.6	102.6	103.0	104.7	105.2
Kentucky	125.2	126.9	127.7	128.3	129.7	129.6	130.9	132.4	133.3	135.5	140.5	142.8
Michigan	126.4	125.9	131.1	130.5	131.2	131.4	131.3	133.1	133.4	133.9	137.6	139.8
Minnesota	109.7	113.2	116.5	115.5	115.5	114.0	113.7	114.4	115.9	118.7	120.0	120.3
Missouri	112.1	115.5	117.8	117.8	117.5	118.4	119.0	119.8	119.8	119.6	122.5	124.2
Nebraska	92.5	96.0	96.6	96.8	96.4	95.5	95.2	95.2	94.5	94.2	95.7	95.6
North Dakota	98.3	100.0	103.8	105.0	105.2	105.1	104.5	104.3	103.8	104.3	106.4	108.1
Ohio	125.4	127.2	129.0	130.5	130.8	131.2	131.9	132.5	133.3	136.4	140.2	143.3
South Dakota	102.9	106.2	107.1	107.3	106.6	107.1	107.0	106.3	106.5	107.7	109.9	110.5
Wisconsin	114.5	118.4	120.0	118.9	118.5	118.8	118.8	118.9	119.1	119.8	123.6	124.6

Source: Based on data collected by State Energy Offices.

Table C4. Wholesale Propane Prices by Region and State
(Cents per Gallon)

2002-2003 Heating Season Monthly

Region/State	October	November	December	January	February	March
Average	53.5	54.2	58.8	65.7	80.4	89.9
East Coast (PADD I)	57.1	56.7	62.5	72.7	91.7	98.7
Central Atlantic (PADD IB)	57.9	57.7	63.2	71.9	95.2	103.8
Lower Atlantic (PADD IC)	56.1	55.4	61.6	73.6	87.5	93.0
Midwest (PADD II)	52.3	53.4	57.4	63.2	76.5	87.0

2003-2004 Heating Season Monthly

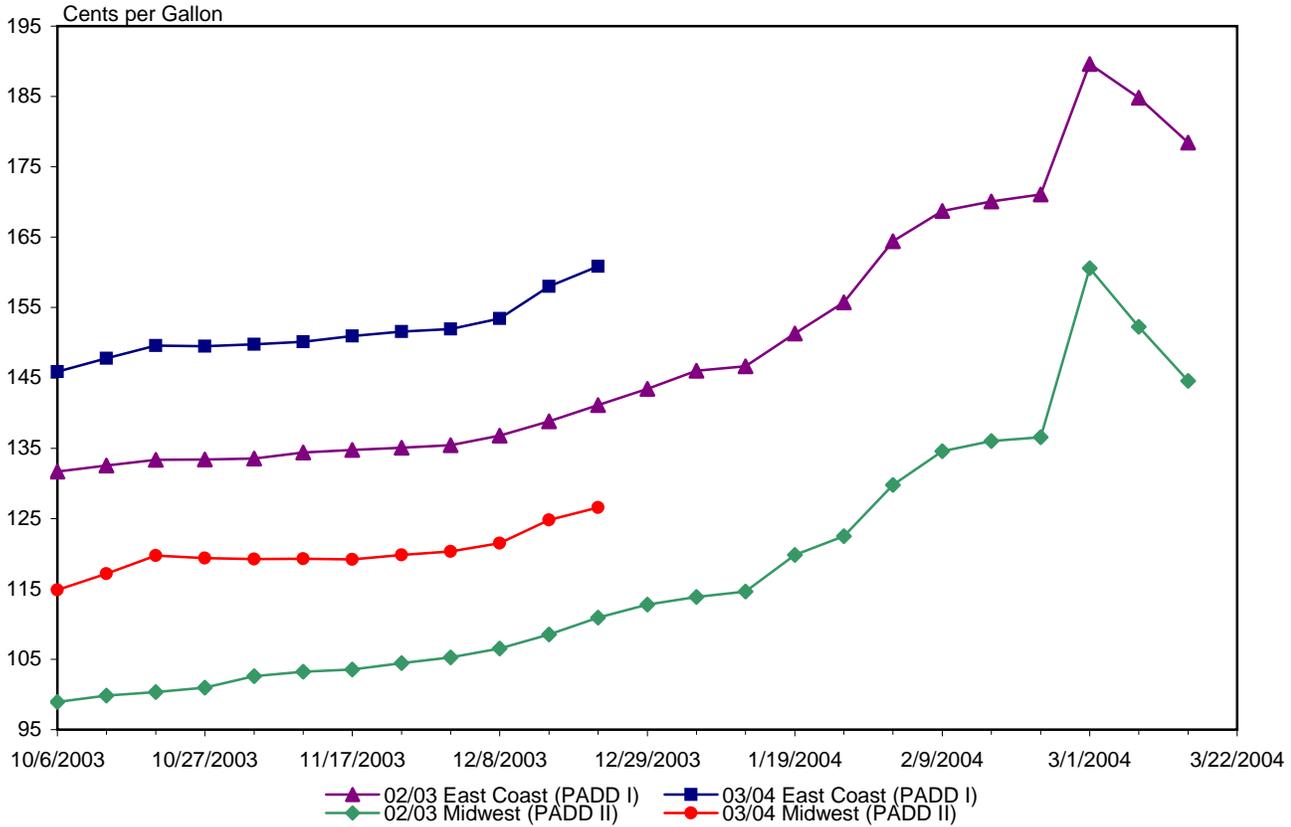
Region/State	October	November	December	January	February	March
Average	69.2	63.8	NA	NA	NA	NA
East Coast (PADD I)	66.2	65.3	NA	NA	NA	NA
Central Atlantic (PADD IB)	67.3	66.8	NA	NA	NA	NA
Lower Atlantic (PADD IC)	64.7	63.4	NA	NA	NA	NA
Midwest (PADD II)	70.2	63.3	NA	NA	NA	NA

2003-2004 Heating Season Weekly

Region/State	10/6	10/13	10/20	10/27	11/3	11/10	11/17	11/24	12/1	12/8	12/15	12/22
Average	65.1	72.3	71.0	68.2	63.9	63.9	63.6	63.8	62.9	67.6	73.7	73.3
East Coast (PADD I)	62.8	68.4	67.3	66.3	64.6	65.3	65.7	65.7	65.0	69.6	75.7	76.8
Central Atlantic (PADD IB)	63.6	69.7	68.5	67.5	65.9	66.7	67.4	67.4	66.5	71.0	77.3	77.9
Delaware	64.8	72.5	72.5	71.0	69.2	69.2	69.2	69.2	67.5	73.0	79.0	80.0
New Jersey	64.8	71.8	69.8	69.8	67.8	69.2	69.8	70.0	69.0	74.0	78.8	79.2
New York	63.6	69.0	68.0	67.0	65.4	66.0	67.0	66.9	66.1	70.4	77.3	77.7
Pennsylvania	62.8	68.6	67.3	66.0	64.6	65.3	66.0	66.1	65.4	69.6	76.2	76.9
Lower Atlantic (PADD IC)	61.7	66.7	65.8	64.7	62.9	63.6	63.6	63.7	63.2	67.8	73.8	75.4
North Carolina	60.6	65.6	64.8	63.6	62.0	62.5	62.6	62.5	62.0	66.2	71.9	73.8
Virginia	64.2	69.0	68.1	67.1	64.9	65.9	65.8	66.3	65.7	71.3	78.0	78.8
Midwest (PADD II)	66.0	73.7	72.3	68.9	63.7	63.4	62.9	63.1	62.2	66.9	72.9	72.1
Illinois	69.1	76.3	75.3	72.2	66.6	64.5	63.5	63.6	63.1	69.2	73.7	73.5
Indiana	61.3	66.8	65.2	63.9	62.5	63.0	63.5	63.6	62.8	67.5	74.0	74.8
Iowa	67.1	75.7	74.4	70.2	64.3	64.1	63.5	63.9	62.8	67.5	73.7	72.1
Kansas	65.0	73.8	72.5	68.4	62.2	61.8	61.3	61.7	60.6	64.8	71.2	70.1
Minnesota	66.7	75.3	73.3	69.1	63.0	63.3	62.7	62.4	61.3	65.6	71.8	69.7
Missouri	66.2	74.8	73.5	69.4	63.3	63.3	62.5	63.1	61.9	66.6	72.6	71.2
Nebraska	66.7	75.2	73.7	69.6	63.6	63.4	62.5	63.2	62.1	66.7	72.7	71.5
North Dakota	67.0	70.5	69.5	66.5	62.8	60.8	59.8	58.8	59.0	62.0	70.0	68.5
Ohio	61.5	66.9	65.4	64.0	62.5	63.2	63.6	63.8	63.0	67.7	74.0	75.0
South Dakota	67.8	75.9	74.7	70.7	64.6	64.7	63.9	64.4	63.2	68.0	73.9	72.5
Wisconsin	68.2	77.0	75.7	71.5	65.1	65.4	64.9	65.2	64.1	68.9	75.0	73.5

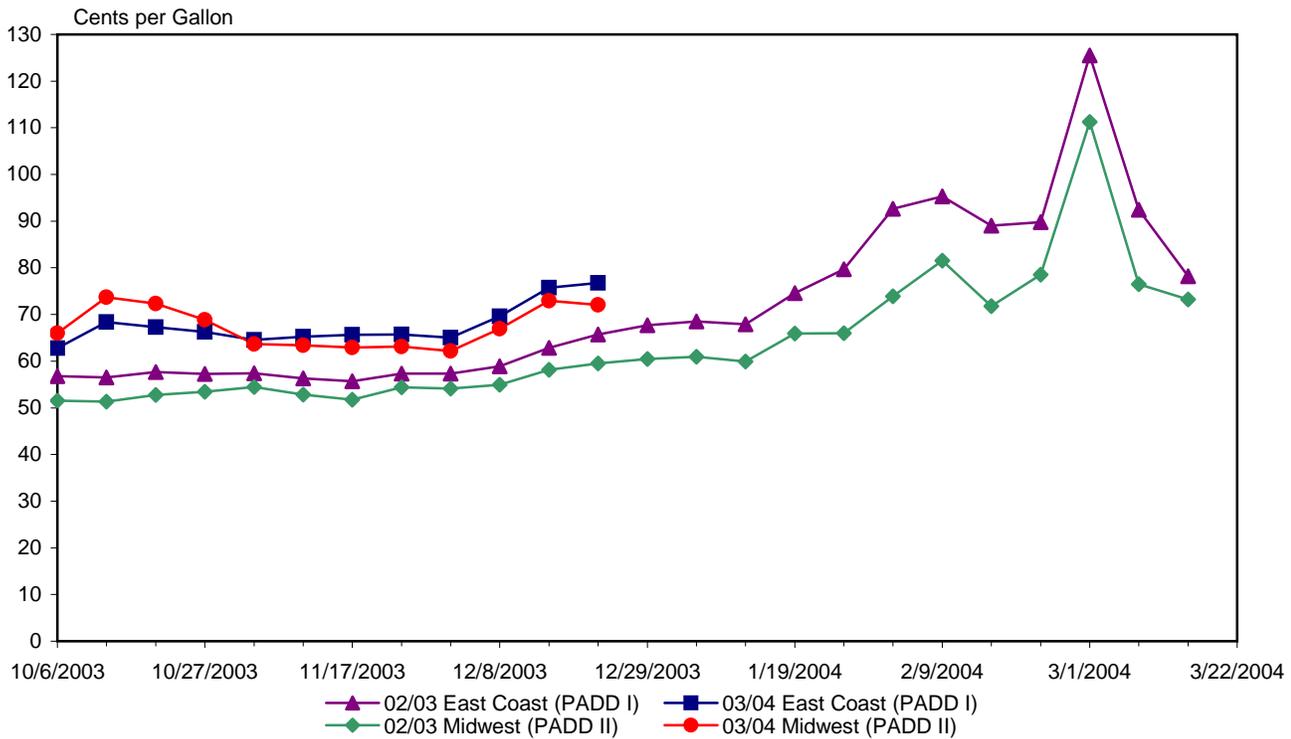
Source: Data are average prices collected by Oil Price Information Service (OPIS).

Figure C3. Residential Propane Prices by PAD District



Based on data collected by State Energy Offices.

Figure C4. Wholesale Propane Prices by PAD District



Source: Based on data collected by Oil Price Information Service.

Winter Fuels Explanatory Notes

Prices

The residential No. 2 heating oil and propane prices (excluding taxes) for a given State are based on the results of telephone surveys of a sample of marketers and refiners. Data are collected by State Energy Offices under the Energy Information Administration (EIA) State Heating Oil and Propane Program.

Sampling Methodology and Estimation Procedures

To estimate aggregate propane and No. 2 heating oil price data for a State, the sample weight and volume sales data were applied to the reported price, summed and divided by the sum of the weighted volume:

$$\sum_{j=1}^s \sum_{i=1}^{n_j} w_{ij} v_{ij} p_{ij} / \sum_{j=1}^s \sum_{i=1}^{n_j} w_{ij} v_{ij}.$$

where w = sample weight, v = volume, p = price, i = respondent, n_j = sample size of stratum j , and s = number of strata, to obtain a volume weighted price.

The volume used for No. 2 heating oil and propane is the company's residential sales volume as reported on the EIA-863 "Petroleum Product Sales Identification Survey."

These fixed volume weights indicate the relative importance of the individual companies according to the size of their sales. Therefore, changes in the average price across time reflect only the change in the price being offered by the company, and not changes in the amounts sold. Price indexes constructed using fixed volumes, such as these annual sales, are known as Laspeyres Indexes. The alternative method of weighting, current weights, would require each company to report the number of gallons sold at the reported price each pricing period. This method is more burdensome on the companies and reflects prices over a period of time as compared to a point in time. Therefore, the calculation of average prices tends to lag behind the reference period. Indexes constructed from current period weights are known as Paasche Indexes.

Both methods of weighting are correct; they do, however, vary when current weights are changing. It has been argued that during periods of change, the Laspeyres method has a tendency to overestimate price changes, while the Paasche method tends to underestimate price changes.

In this survey, it is expected that the relative change in volumes monthly is small. Residential sales are not bulk in nature and do not tend to reflect discounts on price for large volume purchases. Absolute changes in volume within a year's time would more likely reflect demand and be consistent across companies within a geographical area.

Residential No. 2 Heating Oil

The No.2 heating oil price data are reported by a statistical sample. The sample design used is similar to that used for the EIA Form EIA-782, "Resellers'/Retailers' Monthly Petroleum Product Sales Report." The sampling frame used was based on residential heating oil sales reported on the 1998 Form EIA-863, "Petroleum Product Sales Survey." Certainties were defined at the State level according to the market shares of sales in each State as reported in the frame survey. The remaining frame companies were stratified by their residential heating oil sales volumes in each State. Strata boundaries were determined using the Dalenius-Hodges procedure. The sample allocations used were designed to yield volume coefficients of variation of 15%. This target was projected to produce price coefficients of variation of one to two percent. The sample weights (w_{ij}) used in estimating average prices were calculated as N/n , the inverse of the probability of selection. Volume weights were assigned using the data reported in the frame survey.

Residential Propane

The propane price data are reported by a statistical sample. The sample design makes use of two strata, a certainty and a noncertainty stratum. Certainties were defined at the State level according to the market shares of sales in each State, as reported on the 1998 Form EIA-863, "Petroleum Product Sales Survey." Certainty outlets per company were identified using establishment lists developed using information obtained from the industry and state energy officials. Noncertainty allocations for each state were determined using one noncertainty stratum and calculating the number of companies necessary in that state to obtain a volume coefficient of variation 15%. This target was projected to produce a price coefficient of variation of one to two percent. The allocations were in terms of company-state units, but these translated to outlets for the selection of the sample, and State minimum and maximum sizes established. The noncertainty outlets from the establishment lists were ordered by State and zip code and using a random starting point, sampled systematically, that is, every k th outlet was selected, where k is the inverse of the sampling fraction in each State. Sampling weights (w_{ij}) for noncertainties were assigned by taking the inverse of the probability of selection for that State, where the probability of selection for each State equals the total number of outlets selected

for the State, divided by the total number of outlets in the State. Volumes for sampled outlets were calculated by dividing the total company volume in the frame survey by the number of outlets on the outlet list for each company.

Revision Error

Numbers may be revised in the publication based on data received late or receipt of revised data. Numbers are published as preliminary and final. The difference between preliminary and final data is called the revision error.

Response Rate

Response rates are generally 95 to 100 percent.

Note 3. Confidentiality of Information

Data on this form will be kept confidential and not disclosed to the public to the extent it satisfies the criteria for exemption under the Freedom of Information Act (FOIA), 5 U.S.C. section 552, and others regulations. It may be released to the Department of Justice or to any other Federal Agency for official use which may include enforcement of Federal Law. The information contained on this form may also be made available 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.

Glossary

Following are definitions taken from the Master List of the Petroleum Supply Division, plus definitions and/or explanations of terms used in the publication of the Weekly Petroleum Status Report (WPSR) that differ from those in the Master List. Terms used in the publication of data from the "EIA-819M Monthly Oxygenate Telephone Report" which becomes Appendix B in the WPSR are included. In addition, terms used by the Petroleum Marketing Division to collect and describe data on crude oil and petroleum product price and marketing activity are provided. Slight variations in the application of common terms used by both the Petroleum Supply and the Petroleum Marketing Divisions are in italics.

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

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

ASTM. American Society for Testing and Materials.

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

Blending Components, Gasoline. See Motor Gasoline Blending Components.

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

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.

CIF (Cost, Insurance, Freight). This term refers to a type of sale in which the buyer of the product agrees to pay a unit price that includes the Free On Board (FOB) value of the product at the point of origin plus all costs of insurance and transportation. This type of transaction differs from a "Delivered" purchase in that the buyer accepts the quantity as determined at the loading port (as certified in the Bill of Lading and Quality Report) rather than pay based on the quantity and quality ascertained at the unloading port. It is similar to the terms of an FOB sale except that the seller, as a service for which he is compensated, arranges for transportation and insurance.

Cooling Degree-Days. The number of degrees per day the daily average temperature is above 65 degrees F. The daily average temperature is the mean of the maximum and minimum temperature for a 24-hour period.

Conventional Area. Any area not requiring the sale of either reformulated gasoline or oxygenated fuels program reformulated gasoline (OPRG). *Note:* Includes oxygenated gasoline.

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

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 with the 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, topped crude oil (residual) and other unfinished oils 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 Input. The total crude oil put into processing units at refineries.

Degree-Day Normals. Simple arithmetic averages of monthly or annual degree-days over a long period of time (usually the 30-year period 1961-1990). This may be simple degree-day normals or population-weighted degree-day normals.

Delivery Month. The calendar month in a futures contract in which the commodity will be delivered. The First Delivery month available at any given time is one month in the future, e.g., on September 15, the First Delivery month futures contract is October, the Second Delivery month is November, etc. On the New York Mercantile Exchange (NYMEX), crude oil contract trading terminates at the close of business on the third business day prior to the 25th calendar day of the month preceding the delivery month, while petroleum product contracts expire on the last business day of the month preceding delivery.

Distillate Fuel Oil. A general classification for one of the petroleum fractions produced in conventional distillation operations. It is used primarily for space heating, on- and

off-highway diesel engine fuel (including railroad engine fuel and fuel for agricultural machinery), and electric power generation. Included are products known as No. 1, No. 2, and No. 4 fuel oils, and No. 1, No. 2, and No. 4 diesel fuels. Distillate fuel oil is reported by two sulfur categories:

0.05% sulfur and under, for use in on-highway diesel engines which could be described as meeting EPA regulations.

Greater than 0.05% sulfur, for use in all other distillate applications.

EPA. United States Environmental Protection Agency.

Expired. Refers to the status of a futures contract when the expiration date has passed and trading for that contract terminates. For example, trading on the New York Mercantile Exchange terminates for crude oil futures contracts at the close of business on the third business day prior to the 25th calendar day of the month preceding the delivery month, while trading terminates for petroleum product contracts on the last business day of the month preceding delivery.

Exports. Shipments of goods from within the 50 States and the District of Columbia to U.S. possessions and territories or to any foreign country.

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.

FOB (Free On Board). Pertains to a transaction whereby the seller makes the product available within an agreed on period at a given port at a given price; it is the responsibility of the buyer to arrange for the transportation and insurance.

Fuel Ethanol (C₂H₅OH). An anhydrous denatured aliphatic alcohol intended for gasoline blending as described in the Oxygenates definition.

Futures Price. The price quoted for delivering a specified quantity of a commodity at a specified time and place in the future.

Gasoil. European designation for No. 2 fuel oil, and No. 2 diesel fuel.

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: See Motor Gasoline (Finished).

Gasoline Grades: The classification of gasoline by octane ratings. Each type of gasoline (conventional, oxygenated, and reformulated) is classified by three grades -Regular, Midgrade, and Premium. *Note:* Gasoline sales are reported by grade in

accordance with their classification at the time of sale. In general, automotive octane requirements are lower at high altitudes. Therefore, in some areas of the United States, such as the Rocky Mountain States, the octane ratings for the gasoline grades may be 2 or more octane points lower. Octane requirements may vary by altitude.

Regular Gasoline: Gasoline having an antiknock index, i.e., octane rating, greater than or equal to 85 and less than 88.

Midgrade Gasoline: Gasoline having an antiknock index, i.e., octane rating, greater than or equal to 88 and less than or equal to 90.

Premium Gasoline: Gasoline having an antiknock index, i.e., octane rating, greater than 90.

Gross Inputs. The crude oil, unfinished oils, and natural gas plant liquids put into atmospheric crude oil distillation units.

Heating Degree-Days. A measure of how cold a location is over a period of time relative to a base temperature, most commonly specified as 65 degrees Fahrenheit. The measure is computed for each day by subtracting the average of the day's high and low temperatures from the base temperature (65 degrees), with negative values set equal to zero. Each day's heating degree-days are summed to create a heating degree-day measure for a specified reference period. Heating degree-days are used in energy analysis as an indicator of space heating energy requirements or use.

Imports. Receipts of goods into the 50 States and the District of Columbia from U.S. possessions and territories or from any foreign country.

Jet Fuel. Includes Kerosene-type (Commercial or Military) and Naphtha-type.

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 commercial use.

Military: Kerosene-type jet fuel intended for military use.

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.

Lease Condensate. A natural gas liquid recovered from gas well gas (associated and non-associated) in lease separators or natural gas field facilities. Lease condensate consists primarily of pentanes and heavier hydrocarbons.

Liquefied Petroleum Gases (LPG). Ethane, ethylene, propane, propylene, normal butane, butylene, isobutane, and isobutylene produced at refineries or natural gas processing plants, including plants that fractionate raw natural gas plant liquids.

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.

Lower Operational Inventory (LOI). The lower operational inventory is the lower end of the demonstrated operational inventory range updated for known and definable changes in the petroleum delivery system. While not implying shortages, operational problems, or price increases, the LOI is indicative of a situation where inventory-related supply flexibility could be constrained or nonexistent. The significance of these constraints depends on local refinery capability to meet demand and the availability and deliverability of products from other regions or foreign sources.

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 (RFG): 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 EPA 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).

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

Price data are reported for areas required to sell specific types of motor gasoline.

Conventional Area: Any area not requiring the sale of either oxygenated gasoline, reformulated gasoline, or oxygenated fuels program reformulated gasoline.

Reformulated Area: Ozone nonattainment area designated by the EPA which requires the use of reformulated gasoline. *Note:* Includes oxygenated fuels program reformulated gasoline (OPRG).

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, reformat, 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.

Motor Gasoline Price, Retail. See Technical Note 4.

MTBE (Methyl Tertiary Butyl Ether) [(CH₃)₃COCH₃.] An ether intended for gasoline blending as described in the Oxygenates definition.

Naphtha-type Jet Fuel. See Jet Fuel.

Natural Gas Liquids (NGL). Natural gas liquids recovered from natural gas in processing plants, and in some situations, from natural gas field facilities. Natural gas liquids extracted by fractionators are also included. These liquids are defined according to the published specifications of the Gas Processors Association and the ASTM and are classified as follows: ethane/ethylene, propane/propylene, normal butane/butylene, isobutane/isobutylene, and pentanes plus.

Net Production. Petroleum products produced at a refinery, natural gas processing plant, or blending plant. Published production equals production minus input. Negative production will occur when the amount of a product produced during the reporting period is less than the amount of that same product that is reprocessed (input) or reclassified to become another product during the same reporting period.

No. 2 Distillate. A petroleum distillate which meets the specifications for No. 2 heating or fuel oil as defined in ASTM D396 and/or the specifications for No. 2 diesel fuel as defined in ASTM Specification D975.

No. 2 Fuel Oil (Heating Oil). A distillate fuel oil for use in atomizing type burners for domestic heating or for medium capacity commercial-industrial burner units, with distillation temperatures between 540-640 degrees

Fahrenheit at the 90-percent recovery point; and the kinematic viscosities between 1.9-3.4 centistokes at 100 degrees Fahrenheit as defined in ASTM Specification D396 -92.

No. 2 Diesel Fuel. A gasoil type distillate for use in high speed diesel engines generally operated under uniform speed and load conditions, with distillation temperatures between 540-640 degrees Fahrenheit at the 90-percent recovery point; and the kinematic viscosities between 1.9-4.1 centistokes at 100 degrees Fahrenheit as defined in ASTM specification D975 - 93. Includes Type R-R diesel fuel used for railroad locomotive engines, and Type T-T for diesel-engine trucks.

For pricing data, **Low Sulfur** or **On-Highway Diesel Fuel** is No. 2 diesel fuel which has a sulfur level less than or equal to 0.05 percent by weight. **High Sulfur** refers to No. 2 distillate fuel (either diesel or fuel oil) which has a sulfur level greater than 0.05 percent by weight.

Nonattainment Area. Any area that does not meet the national primary or secondary ambient air quality standard established by the Environmental Protection Agency for designated pollutants, such as carbon monoxide and ozone.

NYMEX. The New York Mercantile Exchange.

Octane Rating: A number used to indicate gasoline's antiknock performance in motor vehicle engines. The two recognized laboratory engine test methods for determining the antiknock rating, i.e., octane rating, of gasolines are the Research method and the Motor method. To provide a single number as guidance to the consumer, the antiknock index $(R + M)/2$, which is the average of the Research and Motor octane numbers, was developed.

Operable Capacity. See Percent Utilization.

Operating Capacity. See Percent Utilization.

OPRG Area. See Motor Gasoline (Finished).

Other Finished. See Conventional Gasoline.

Other Oils. Includes aviation gasoline, kerosene, natural gas liquids, LRGs, other hydrocarbons and oxygenates, aviation gasoline blending components, naphtha and other oils for petrochemical feedstock use, special naphthas, lube oils, waxes, coke, asphalt, road oil, and miscellaneous oils.

Oxygenated Area. See Motor Gasoline (Finished).

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

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. They include:

Fuel Ethanol: Blends of up to 10 percent by volume anhydrous ethanol.

MTBE (Methyl Tertiary Butyl Ether): Blends of up to 15.0 percent by volume MTBE which must meet the ASTM D4814 specifications.

Other Oxygenates: Other aliphatic alcohols and aliphatic ethers intended for motor gasoline blending such as TBA, TAME, ETBE, and Methanol.

PAD (Petroleum Administration for Defense) District. Originally defined during World War II for purposes of administering oil allocation, the five divisions (and three subdivisions) include the 50 States and the District of Columbia.

PAD District I:

PAD District IA:

Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, and Vermont.

PAD District IB:

Delaware, District of Columbia, Maryland, New Jersey, New York, and Pennsylvania.

PAD District IC:

Florida, Georgia, North Carolina, South Carolina, Virginia, and West Virginia.

PAD District II:

Illinois, Indiana, Iowa, Kansas, Kentucky, Michigan, Minnesota, Missouri, Nebraska, North Dakota, Ohio, Oklahoma, South Dakota, Tennessee, and Wisconsin.

PAD District III:

Alabama, Arkansas, Louisiana, Mississippi, New Mexico, and Texas.

PAD District IV:

Colorado, Idaho, Montana, Utah, and Wyoming.

PAD District V:

Alaska, Arizona, California, Hawaii, Nevada, Oregon, and Washington.

Percent Utilization. Represents the utilization of all crude oil distillation units. The rate is calculated by dividing gross inputs to these units by the operating/operable refining capacity of the unit.

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.

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). Interstate, intrastate, and intracompany pipelines used to transport crude oil and petroleum products within the 50 States and the District of Columbia.

Population-Weighted Degree-Days. Heating or Cooling degree-days weighted by the population of the area in which the degree-days are recorded. To compute the national population-weighted degree-days, the Nation is divided into nine Census regions, comprised of from three to eight States, which are assigned weights based on the ratio of the population of the region to the total population of the Nation. Degree-day readings for each region are multiplied by the corresponding population weight for each region and these products are then summed to arrive at the national population-weighted degree-day figure.

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.

Product Supplied and Losses, Crude Oil. Crude oil used directly as fuel by refineries and pipelines, and losses due to spills, contamination, fires, etc. as opposed to processing losses at refineries in their operations.

Production. See Net Production.

Products Supplied. A value calculated for specific products which is equal to domestic production plus net imports (imports less exports), less the net increase in primary stocks. Total products supplied is calculated as inputs to refineries, plus estimated refinery gains, plus other hydrocarbon input, plus product imports, less product exports, less the net increase (or decrease) in product stocks. Values shown for "Other Oils" product supplied are the difference between Total Products Supplied and product supplied values for specified products.

Propane (C₃H₈). A normally gaseous straight-chain hydrocarbon. It is a colorless paraffinic gas that boils at a temperature of -43.67 degrees 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-05 propane. *For price data*, it does not include the propane portion of any natural gas liquids (NGL) mixes; i.e., butane-propane and ethane-propane mix.

Propylene (C₃H₆) (nonfuel use). Propylene intended for use in nonfuel applications such as petrochemical manufacturing. Includes chemical-grade propylene, polymer-grade propylene,

and trace amounts of propane. Also includes the propylene component of propane/propylene mixes where the propylene will be separated from the mix in a propane/propylene splitting process. Excludes the propylene component of propane/propylene mixes where the propylene component of the mix is intended for sale into the fuel market.

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

Refiner Acquisition Cost of Crude Oil. The average price paid by refiners for crude oil booked into their refineries in accordance with accounting procedures generally accepted and consistently and historically applied by refiners. Domestic crude oil is that oil produced in the United States or from the outer continental shelf as defined in 43 USC 1131. Imported crude oil is any crude oil that is not domestic oil. The composite is the weighted average price of domestic and imported crude oil. Prices do not include the price of crude oil for the SPR.

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

Reformulated Area. See Motor Gasoline (Finished).

Reformulated Gasoline. See Motor Gasoline (Finished).

Residential. Sales of No. 2 distillate and propane to individual customers or households (as opposed to businesses or institutions) who ostensibly use the fuel in a residence for space heating, cooking, etc. Sales to apartment buildings/complexes or to other multi-family dwellings are excluded from the "Residential Sales" category and are included in the "Commercial/Institutional Sales" category. Additional end-use sales category data are available in the *Petroleum Marketing Monthly*.

Residential Heating Oil Price. The price charged for home delivery of No.2 heating oil, exclusive of any discounts such as those for prompt cash payment. Prices do not include taxes paid by the consumer.

Residential Propane Price. The price charged for home delivery of consumer grade propane intended for use in space heating, cooking, or hot water heaters in residences.

Residual Fuel Oil. The heavier oils that remain after the distillate fuel oils and lighter hydrocarbons are distilled away in refinery operations and that conform to ASTM Specification D396. Included are a No. 5, a residual fuel oil of medium viscosity; Navy Special fuel oil as defined in Military Specification MIL-F-859E including Amendment 2 (NATO Symbol F-77), for use in steam-powered vessels in government service and in shore power plants; No. 6, which includes Bunker C fuel oil and is used for commercial and industrial heating, the production of electric power, vessel bunkering, and various industrial purposes. *For supply data*, imports of residual fuel oil include imported crude oil burned as fuel. *For price data*, imported crude oil burned as fuel is excluded.

Retail. Sales made directly to the consumer of a product.

Retail Outlet. Any company-owned outlet (e.g. service station) selling gasoline, on-highway low-sulfur diesel fuel, or propane for on-highway vehicle use which is under the direct control of the firm by virtue of its ability to set the retail product price and directly collect all or part of the retail margin. This category includes retail outlets which are operated by salaried employees of the company and/or its subsidiaries and affiliates, and/or involve personnel services contracted by the firm.

Spot Price. The price for a one-time open market transaction for immediate delivery of a specific quantity of product at a specific location where the commodity is purchased “on the spot” at current market rates.

Brent: A blended crude stream produced in the North Sea region which serves as a reference or “marker” for pricing a number of other crude streams.

Conway: The location specified in either spot or futures contracts for delivery of propane in Conway, Kansas.

Los Angeles: The location specified in either spot or futures contracts for delivery of a product in any port city in southern California.

Mont Belvieu: The location specified in either spot or futures contracts for delivery of propane in Mont Belvieu, Texas.

New York Harbor (NYH): The location specified in either spot or futures contracts for delivery of a product in New York Harbor.

Northwest Europe (NWE): The location specified in either spot or futures contracts for delivery of a product in any port city along the North Sea; however, generally refers to the Amsterdam-Rotterdam-Antwerp refining center.

Rotterdam (ARA): The location specified in either spot or futures contracts for delivery of a product in any port city along the refining centers of Amsterdam-Rotterdam-Antwerp.

Singapore: The location specified in either spot or futures contracts for delivery of a product in Singapore.

US Gulf Coast (GC): The location specified in either spot or futures contracts for delivery of a product in any port city along the coastline of Texas and Louisiana. For supply data, Gulf Coast refers to all 6 PADD III States.

West Texas Intermediate (WTI - Cushing): A crude stream produced in Texas and southern Oklahoma which serves as a reference or “marker” for pricing a number of other crude streams and which is traded in the domestic spot market at Cushing, Oklahoma.

Stocks. For individual products in the WPSR, quantities held at refineries, in pipelines (including storage tanks), and at bulk terminals which have a capacity of 50,000 barrels or more, and all individual products in transit thereto. Stocks held by product

retailers and resellers, as well as tertiary stocks held at the point of consumption are excluded. Stocks held at gas processing plants are excluded from individual product estimates but included in “Other Oils” estimates and “Total”. Stocks are reported as of the end of 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.

Unaccounted-for Crude Oil. A term which appears in the U.S. Petroleum Balance Sheet. It reconciles the difference between crude input to refineries and the sum of domestic production, net imports (including SPR), SPR and other stocks withdrawn or added, and product supplied and losses. Its value can be positive or negative since it is a balancing term. Because the unaccounted-for crude oil figure incorporates both estimated and reported values, one would expect the figure to be larger in balances using preliminary or estimated data and smaller in balances using final data. In fact, the published figures confirm this expectation. In the WPSR, 4-week averages for the previous year are interpolated from final monthly data, so that the unaccounted-for crude oil value for the previous year is considerably smaller than that for the current period.

Unfinished Oils. Includes all oils requiring further processing, except those requiring only mechanical blending.

United States. The 50 States and the District of Columbia. *Note:* The United States has varying degrees of jurisdiction over a number of territories and other political entities outside the 50 States and the District of Columbia, including Puerto Rico, the U.S. Virgin Islands, Guam, American Samoa, Johnston Atoll, Midway Islands, Wake Island, and the Northern Mariana Islands. EIA data programs may include data from some or all of these areas in U.S. totals. *Note:* For crude oil prices, the United States includes the 50 States, the District of Columbia, Puerto Rico, the Virgin Islands, and all American Territories and Possessions.

Wholesale. Sales of refined petroleum products to purchasers who are other than ultimate consumers.

Wholesale Price. The rack price charged for No. 2 heating oil or propane; that is, the price paid by customers who purchase No. 2 heating oil or propane free-on-board at a supplier’s terminal and who provide their own transportation for the product(s).