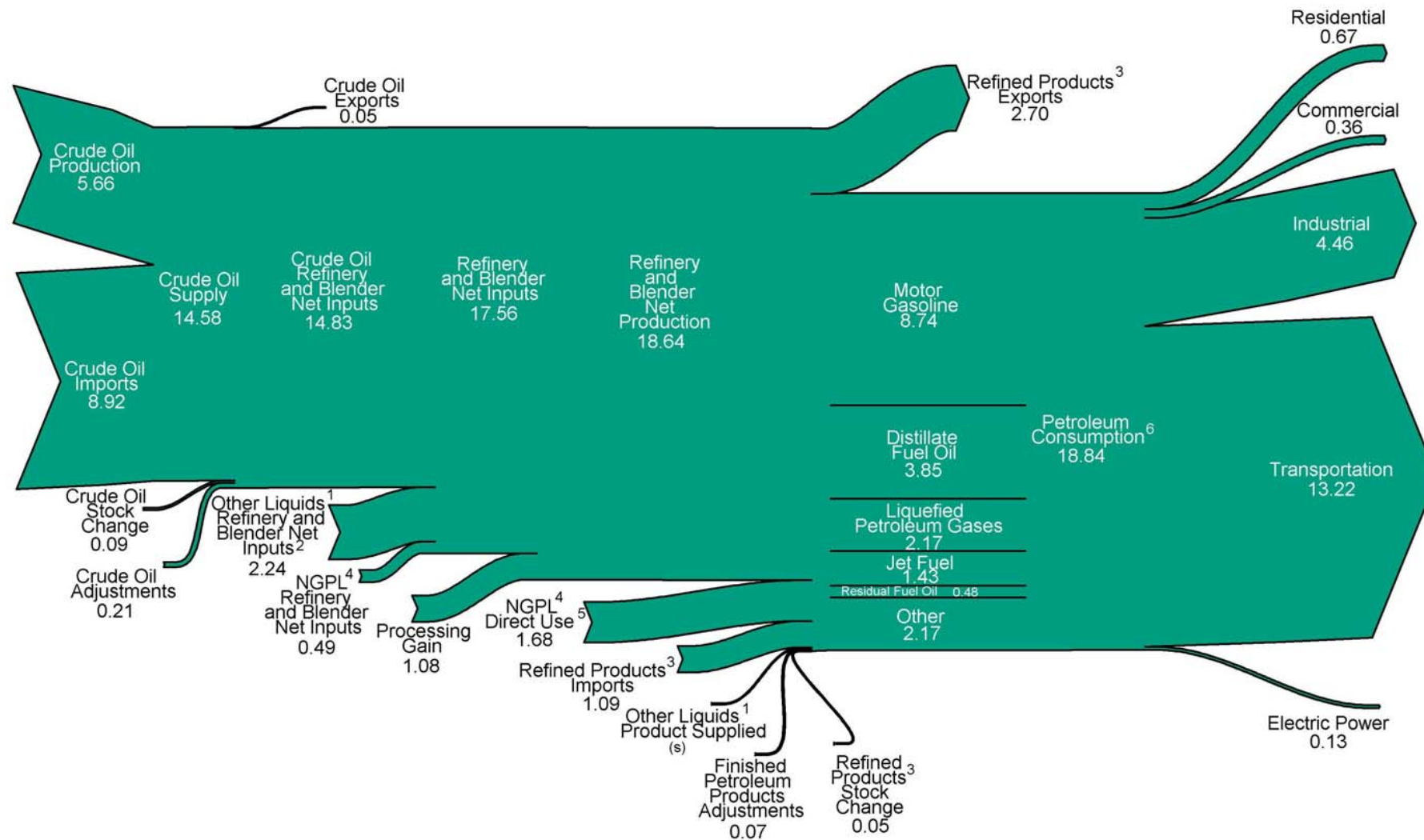


5. Petroleum and Other Liquids

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Figure 5.0. Petroleum Flow, 2011
(Million Barrels per Day)



¹ Unfinished oils, hydrogen/oxygenates/renewables/other hydrocarbons, and motor gasoline and aviation gasoline blending components.

² Renewable fuels and oxygenate plant net production (0.972), net imports (1.164) and adjustments (0.122) minus stock change (0.019) and product supplied (0.001).

³ Finished petroleum products, liquefied petroleum gases, and pentanes plus.

⁴ Natural gas plant liquids.

⁵ Field production (2.183) and renewable fuels and oxygenate plant net production (-0.19) minus refinery and blender net inputs (0.489).

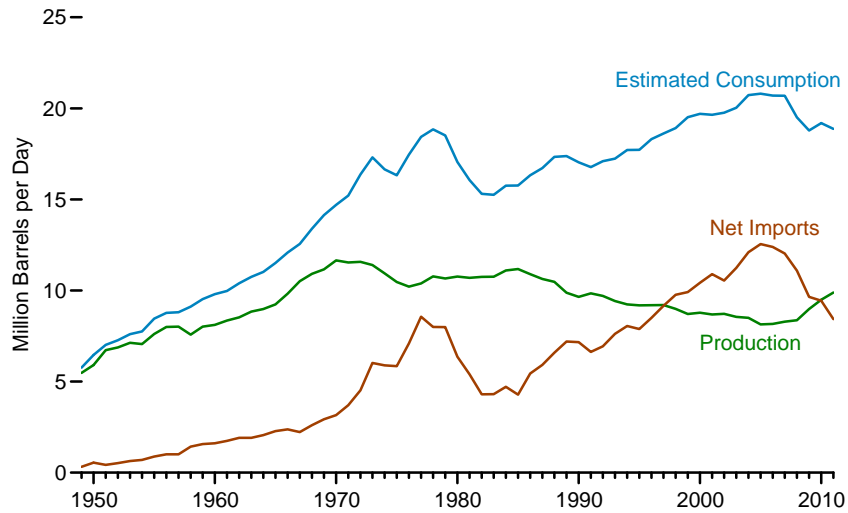
⁶ Petroleum products supplied.
(s)=Less than 0.005.

Notes: • Data are preliminary. • Values are derived from source data prior to rounding for publication. • Totals may not equal sum of components due to independent rounding.

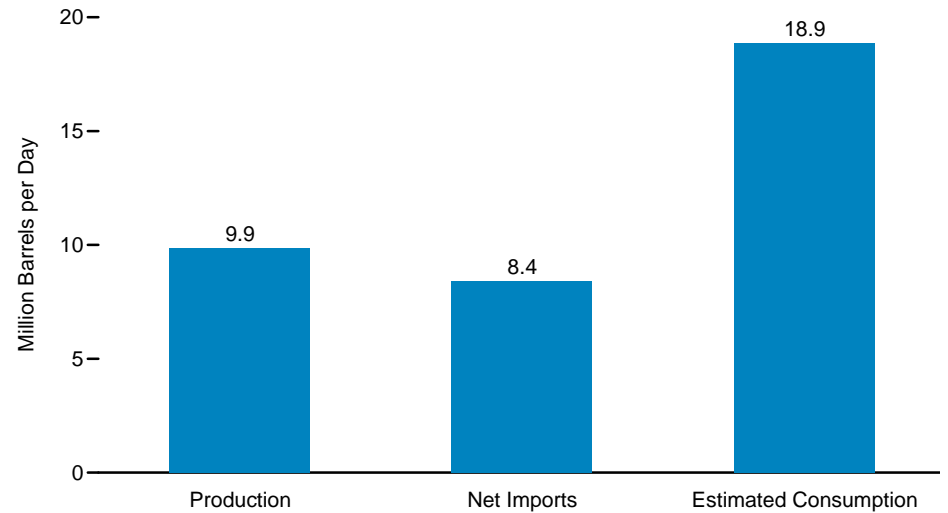
Sources: Tables 5.1b, 5.3, 5.5, 5.8, 5.11, 5.13a-5.13d, 5.16; U.S. Energy Information Administration, *Petroleum Supply Monthly* (February 2012), Table 4; and revisions to crude oil production and adjustments (see sources for Table 5.1b).

Figure 5.1a Petroleum and Other Liquids Overview

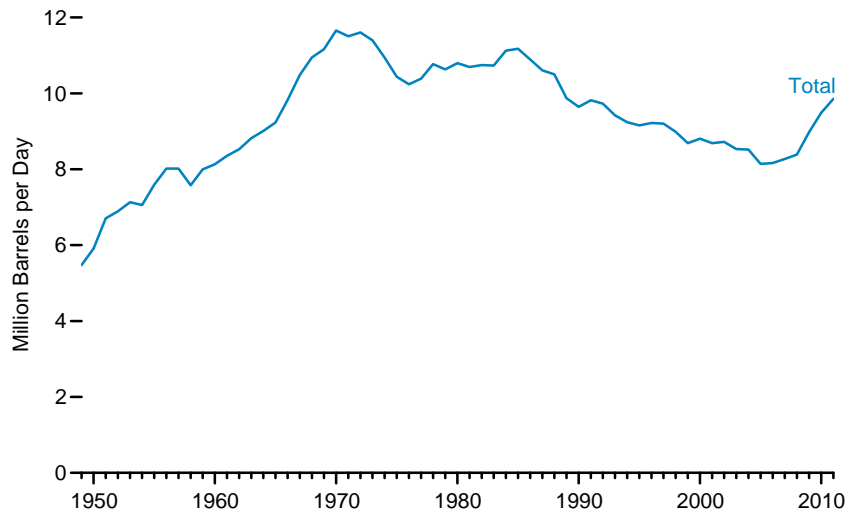
Overview, 1949-2011



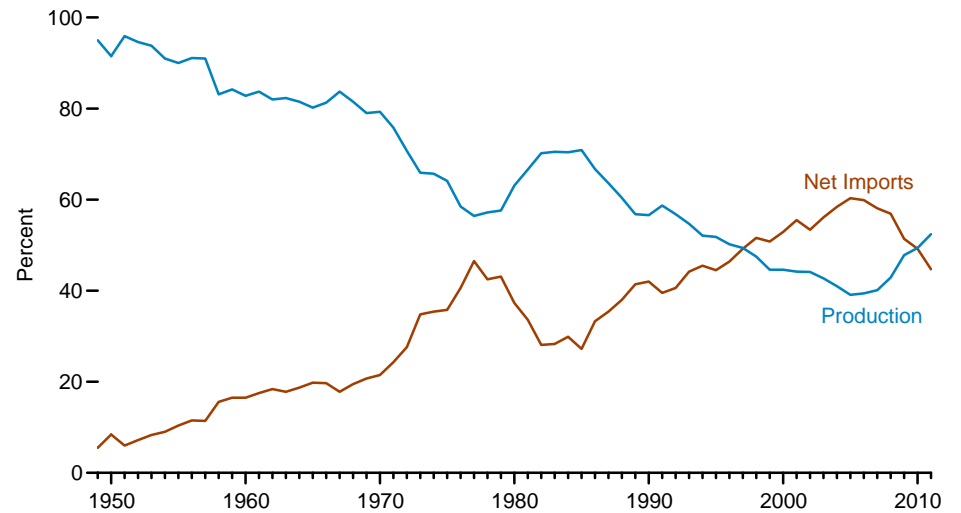
Overview, 2011



Production, 1949-2011



Production and Net Imports, Share of Estimated Consumption, 1949-2011

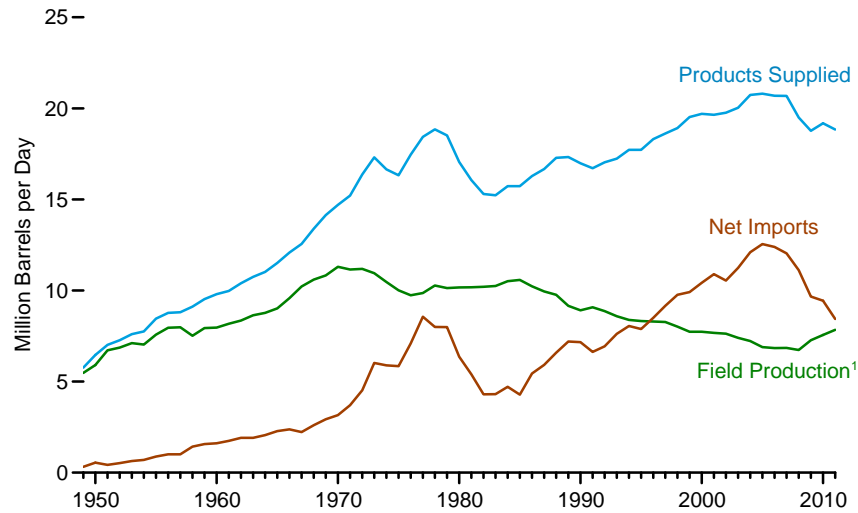


Note: Production includes production of crude oil (including lease condensate), natural gas plant liquids, fuel ethanol (minus denaturant), and biodiesel; and processing gain.

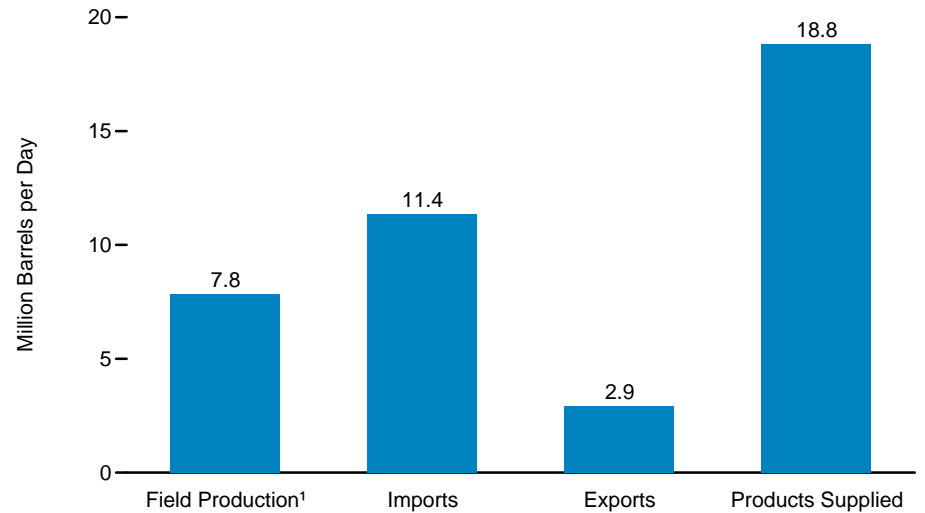
Source: Table 5.1a.

Figure 5.1b Petroleum Overview

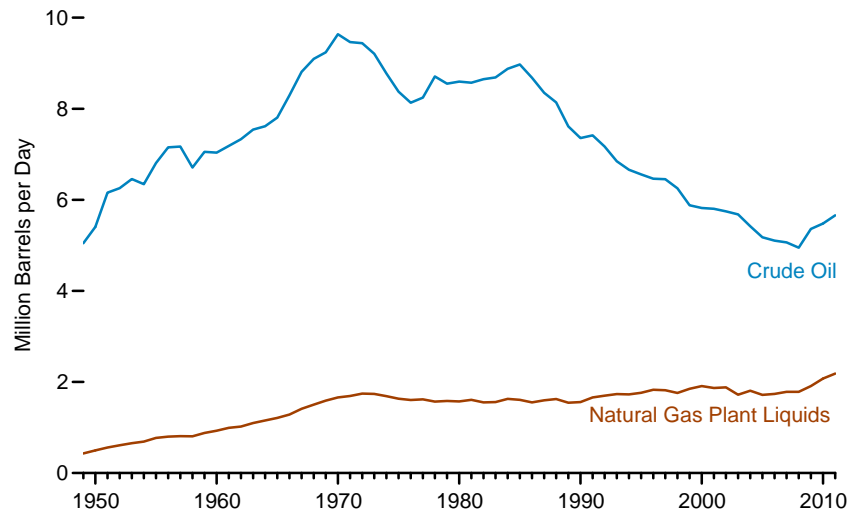
Overview, 1949-2011



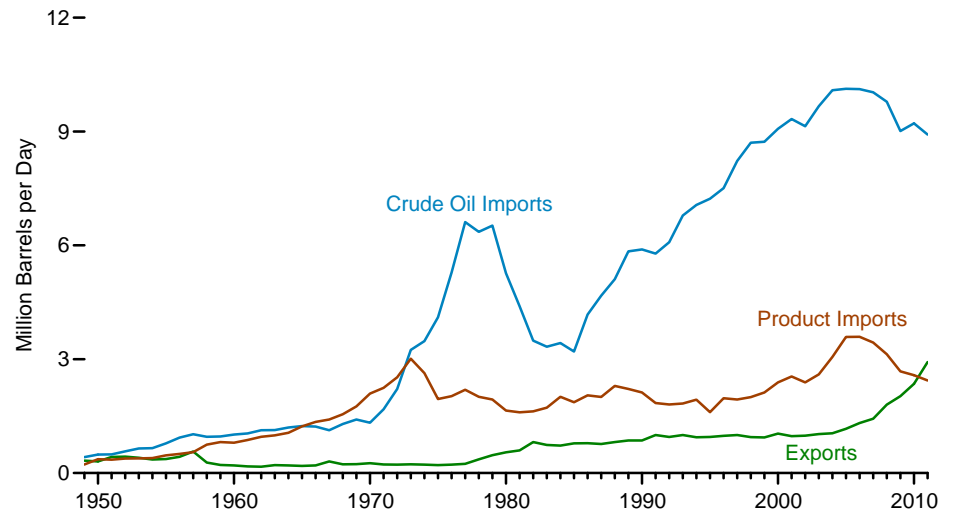
Overview, 2011



Crude Oil and Natural Gas Plant Liquids Field Production, 1949-2011



Trade, 1949-2011



¹ Crude oil and natural gas plant liquids field production.

Sources: Tables 5.1b and 5.3

Table 5.1a Petroleum and Other Liquids Overview, Selected Years, 1949-2011

Year	Production ¹	Production as Share of Estimated Consumption	Net Imports ²	Net Imports as Share of Estimated Consumption	Balancing Item ³	Estimated Consumption ⁴
	Thousand Barrels per Day	Percent	Thousand Barrels per Day	Percent	Thousand Barrels per Day	
1949	5,475	95.0	318	5.5	-30	5,763
1950	5,908	91.5	545	8.4	5	6,458
1955	7,611	90.0	880	10.4	-37	8,455
1960	8,110	82.8	1,613	16.5	74	9,797
1965	9,234	80.2	2,281	19.8	-2	11,512
1970	11,656	79.3	3,161	21.5	-119	14,697
1975	10,467	64.1	5,846	35.8	8	16,322
1976	10,213	58.5	7,090	40.6	159	17,461
1977	10,387	56.4	8,565	46.5	-520	18,431
1978	10,771	57.2	8,002	42.5	74	18,847
1979	10,662	57.6	7,985	43.1	-135	18,513
1980	10,767	63.1	6,365	37.3	-76	17,056
1981	10,693	66.6	5,401	33.6	-31	16,063
1982	10,744	70.2	4,298	28.1	268	15,310
1983	10,761	70.5	4,312	28.3	185	15,258
1984	11,095	70.4	4,715	29.9	-52	15,758
1985	11,177	70.9	4,286	27.2	302	15,766
1986	10,893	66.7	5,439	33.3	-5	16,326
1987	10,636	63.6	5,914	35.4	168	16,717
1988	10,473	60.4	6,587	38.0	277	17,336
1989	9,874	56.8	7,202	41.4	303	17,379
1990	9,645	56.6	7,161	42.0	230	17,036
1991	9,846	58.7	6,626	39.5	297	16,769
1992	9,703	56.8	6,938	40.6	455	17,096
1993	9,422	54.7	7,618	44.2	195	17,235
1994	9,239	52.1	8,054	45.5	424	17,716
1995	9,183	51.8	7,886	44.5	654	17,723
1996	9,194	50.2	8,498	46.4	616	18,308
1997	9,201	49.4	9,158	49.2	260	18,619
1998	8,987	47.5	9,764	51.6	165	18,915
1999	8,711	44.6	9,912	50.8	894	19,517
2000	8,784	44.6	10,419	52.9	496	19,699
2001	8,686	44.2	10,900	55.5	60	19,647
2002	8,720	44.1	10,547	53.4	493	19,760
2003	8,554	42.7	11,238	56.1	239	20,031
2004	8,498	41.0	12,097	58.4	133	20,728
2005	8,140	39.1	12,549	60.3	114	20,803
2006	8,163	39.4	12,391	59.9	143	20,697
2007	8,292	40.1	12,027	58.1	376	20,695
2008	8,364	42.9	11,090	56.9	51	19,506
2009	^R 8,981	47.8	9,654	51.4	154	^R 18,789
2010	^R 9,490	^R 49.4	^R 9,435	49.2	^R 267	^R 19,192
2011	^E 9,884	^E 52.4	^P 8,432	^F 44.7	^F 561	^P 18,877

¹ Crude oil (including lease condensate) production; natural gas plant liquids production; and processing gain (refinery and blender net production minus refinery and blender net inputs). Beginning in 1981, also includes fuel ethanol (minus denaturant) production. Beginning in 2001, also includes biodiesel production.

² Net imports equal imports minus exports. Includes petroleum (excluding biofuels) net imports. Beginning in 1993, also includes fuel ethanol (minus denaturant) net imports. Beginning in 2001, also includes biodiesel net imports. Beginning in 2009, also includes a small amount of other biofuels (such as bio-jet fuel and bio-ETBE) imports.

³ Includes petroleum and biofuels stock withdrawals (stock change multiplied by -1); petroleum adjustments; and biodiesel balancing item.

⁴ Includes estimated consumption of petroleum. Beginning in 1981, also includes estimated consumption of fuel ethanol minus denaturant. Beginning in 2001, also includes estimated consumption of biodiesel. Techniques used to estimate consumption vary depending on the product. Petroleum product supplied is used as an approximation of petroleum consumption, which is adjusted to exclude biofuels in order to prevent double counting. See Note 1, "Petroleum Products Supplied and Petroleum

Consumption," at end of section. Estimated consumption of fuel ethanol minus denaturant in 2011 is calculated as fuel ethanol refinery and blender net inputs minus fuel ethanol adjustments minus the amount of denaturant in fuel ethanol consumed; for other years, see sources in Table 10.3. Estimated consumption of biodiesel in 2011 is calculated as biodiesel production plus biodiesel net imports minus biodiesel stock change; for other years, see sources in Table 10.4.

R=Revised. P=Preliminary. E=Estimate.

Web Pages: • See <http://www.eia.gov/totalenergy/data/monthly/#petroleum> for updated monthly and annual data. • See <http://www.eia.gov/totalenergy/data/annual/#petroleum> for all annual data beginning in 1949. • See <http://www.eia.gov/petroleum/> and <http://www.eia.gov/renewable/> for related information.

Sources: **Production:** Tables 5.1b, 10.3, and 10.4. **Net Imports:** Tables 5.1b, 10.3, and 10.4; and U.S. Energy Information Administration (EIA), *Petroleum Supply Annual (PSA)*, *Petroleum Supply Monthly (PSM)*, and earlier publications—see sources for Table 5.1b. **Balancing Item:** Calculated as estimated consumption minus production and net imports. **Estimated Consumption:** Tables 5.1b, 10.3, and 10.4; and EIA, PSA, PSM, and earlier publications—see sources for Table 5.1b.

Table 5.1b Petroleum Overview, Selected Years, 1949-2011
(Thousand Barrels per Day)

Year	Field Production ¹					Renewable Fuels and Oxygenates ⁵	Processing Gain ⁶	Trade			Stock Change ^{8,10}	Adjustments ¹¹	Petroleum Products Supplied ⁸
	Crude Oil ²			Natural Gas Plant Liquids ⁴	Total			Imports ^{7,8}	Exports	Net Imports ^{8,9}			
	48 States ³	Alaska	Total										
1949	5,046	0	5,046	430	5,477	NA	-2	645	327	318	-8	-38	5,763
1950	5,407	0	5,407	499	5,906	NA	2	850	305	545	-56	-51	6,458
1955	6,807	0	6,807	771	7,578	NA	34	1,248	368	880	(s)	-37	8,455
1960	7,034	2	7,035	929	7,965	NA	146	1,815	202	1,613	-83	-8	9,797
1965	7,774	30	7,804	1,210	9,014	NA	220	2,468	187	2,281	-8	-10	11,512
1970	9,408	229	9,637	1,660	11,297	NA	359	3,419	259	3,161	103	-16	14,697
1975	8,183	191	8,375	1,633	10,007	NA	460	6,056	209	5,846	32	41	16,322
1976	7,958	173	8,132	1,604	9,736	NA	477	7,313	223	7,090	-58	101	17,461
1977	7,781	464	8,245	1,618	9,862	NA	524	8,807	243	8,565	548	28	18,431
1978	7,478	1,229	8,707	1,567	10,275	NA	496	8,363	362	8,002	-94	-20	18,847
1979	7,151	1,401	8,552	1,584	10,135	NA	527	8,456	471	7,985	173	38	18,513
1980	6,980	1,617	8,597	1,573	10,170	NA	597	6,909	544	6,365	140	64	17,056
1981	6,962	1,609	8,572	1,609	10,180	NA	508	5,996	595	5,401	160	129	16,058
1982	6,953	1,696	8,649	1,550	10,199	NA	531	5,113	815	4,298	-147	121	15,296
1983	6,974	1,714	8,688	1,559	10,246	NA	488	5,051	739	4,312	-20	165	15,231
1984	7,157	1,722	8,879	1,630	10,509	NA	553	5,437	722	4,715	280	228	15,726
1985	7,146	1,825	8,971	1,609	10,581	NA	557	5,067	781	4,286	-103	200	15,726
1986	6,814	1,867	8,680	1,551	10,231	NA	616	6,224	785	5,439	202	197	16,281
1987	6,387	1,962	8,349	1,595	9,944	NA	639	6,678	764	5,914	41	209	16,665
1988	6,123	2,017	8,140	1,625	9,765	NA	655	7,402	815	6,587	-28	249	17,283
1989	5,739	1,874	7,613	1,546	9,159	NA	661	8,061	859	7,202	-43	260	17,325
1990	5,582	1,773	7,355	1,559	8,914	NA	683	8,018	857	7,161	107	338	16,988
1991	5,618	1,798	7,417	1,659	9,076	NA	715	7,627	1,001	6,626	-10	287	16,714
1992	5,457	1,714	7,171	1,697	8,868	NA	772	7,888	950	6,938	-68	386	17,033
1993	5,264	1,582	6,847	1,736	8,582	NA	766	8,620	1,003	7,618	151	422	17,237
1994	5,103	1,559	6,662	1,727	8,388	NA	768	8,996	942	8,054	15	523	17,718
1995	5,076	1,484	6,560	1,762	8,322	NA	774	8,835	949	7,886	-246	496	17,725
1996	5,071	1,393	6,465	1,830	8,295	NA	837	9,478	981	8,498	-151	528	18,309
1997	5,156	1,296	6,452	1,817	8,269	NA	850	10,162	1,003	9,158	143	487	18,620
1998	5,077	1,175	6,252	1,759	8,011	NA	886	10,708	945	9,764	239	495	18,917
1999	4,832	1,050	5,881	1,850	7,731	NA	886	10,852	940	9,912	-422	567	19,519
2000	4,851	970	5,822	1,911	7,733	NA	948	11,459	1,040	10,419	-69	532	19,701
2001	4,839	963	5,801	1,868	7,670	NA	903	11,871	971	10,900	325	501	19,649
2002	4,761	984	5,746	1,880	7,626	NA	957	11,530	984	10,546	-105	527	19,761
2003	4,706	974	5,681	1,719	7,400	NA	974	12,264	1,027	11,238	56	478	20,034
2004	4,510	908	5,419	1,809	7,228	NA	1,051	13,145	1,048	12,097	209	564	20,731
2005	4,314	864	5,178	1,717	6,895	NA	989	13,714	1,165	12,549	145	513	20,802
2006	4,361	741	5,102	1,739	6,841	NA	994	13,707	1,317	12,390	60	522	20,687
2007	4,342	722	5,064	1,783	6,847	NA	996	13,468	1,433	12,036	-148	653	20,680
2008	4,268	683	4,950	1,784	6,734	NA	993	12,915	1,802	11,114	195	852	19,498
2009	4,715	645	5,361	1,910	7,270	746	979	11,691	2,024	9,667	109	218	18,771
2010	^R 4,874	^R 601	^R 5,476	^R 2,074	^R 7,550	^R 907	^R 1,068	^R 11,793	^R 2,353	^R 9,441	^R 49	^R 264	^R 19,180
2011	^E 5,090	^E 72	^E 5,662	^P 2,183	^E 7,844	^P 954	^P 1,085	^P 11,360	^P 2,924	^P 8,436	^P -115	^P 402	^P 18,835

¹ Crude oil production on leases, and natural gas liquids (liquefied petroleum gases, pentanes plus, and a small amount of finished petroleum products) production at natural gas processing plants. Excludes what was previously classified as "Field Production" of finished motor gasoline, motor gasoline blending components, and other hydrocarbons and oxygenates; these are now included in "Adjustments."

² Includes lease condensate.

³ United States excluding Alaska and Hawaii.

⁴ See Table 5.10.

⁵ Renewable fuels and oxygenate plant net production.

⁶ Refinery and blender net production minus refinery and blender net inputs. See Table 5.8.

⁷ Includes crude oil imports for the Strategic Petroleum Reserve, which began in 1977. See Table 5.17.

⁸ Beginning in 1993, includes fuel ethanol blended into motor gasoline. Beginning in 2009, also includes biodiesel and other renewable fuels blended into petroleum.

⁹ Net imports equal imports minus exports.

¹⁰ A negative value indicates a decrease in stocks and a positive value indicates an increase. Includes crude oil stocks in the Strategic Petroleum Reserve, but excludes distillate fuel oil stocks in the Northeast Heating Oil Reserve. See Table 5.16.

¹¹ An adjustment for crude oil, finished motor gasoline, motor gasoline blending components, fuel

ethanol, and distillate fuel oil. See EIA, *Petroleum Supply Monthly (PSM)*, Appendix B.

R=Revised. P=Preliminary. E=Estimate. NA=Not available. (s)=Less than 500 barrels per day and greater than -500 barrels per day.

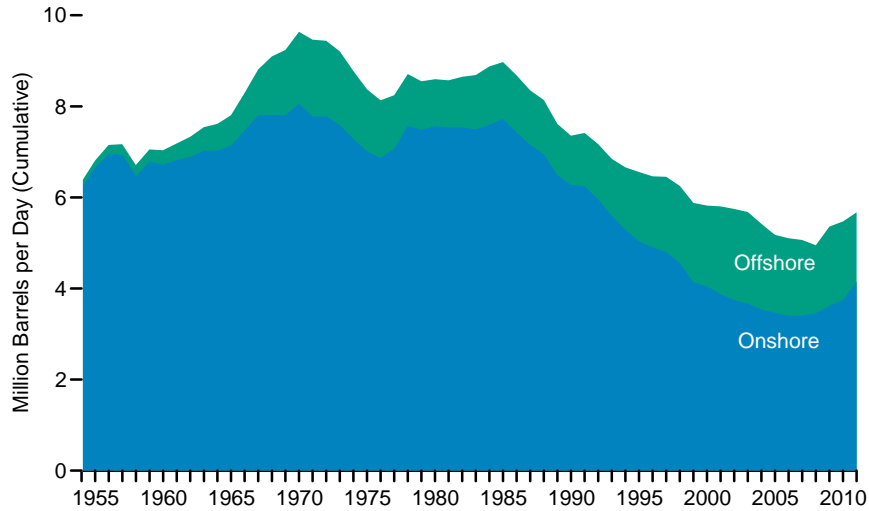
Notes: • See Note 1, "Petroleum Products Supplied and Petroleum Consumption," and Note 2, "Changes Affecting Petroleum Production and Product Supplied Statistics," at end of section. • Totals may not equal sum of components due to independent rounding.

Web Pages: • See <http://www.eia.gov/totalenergy/data/monthly/#petroleum> for updated monthly and annual data. • See <http://www.eia.gov/totalenergy/data/annual/#petroleum> for all annual data beginning in 1949. • See <http://www.eia.gov/petroleum/> for related information.

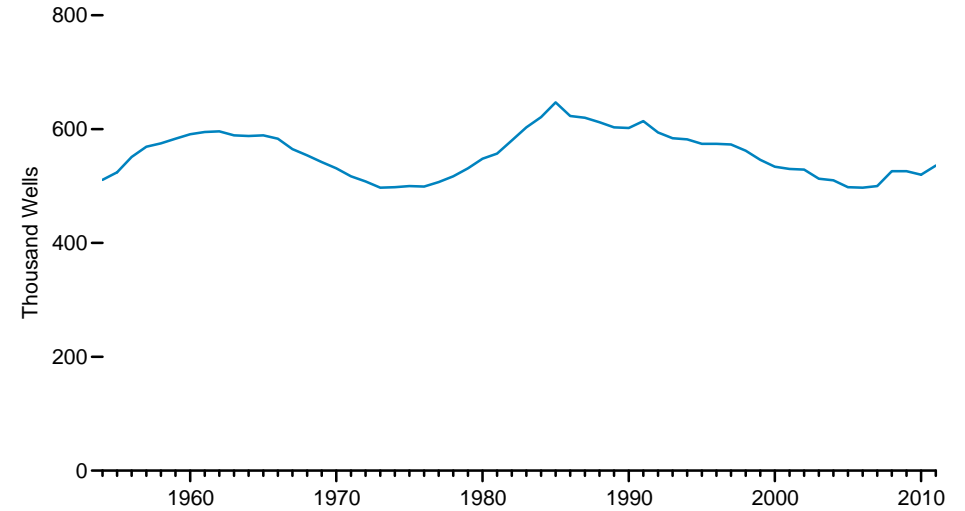
Sources: • 1949-1975—Bureau of Mines, Mineral Industry Surveys, *Petroleum Statement, Annual*, annual reports. • 1976-1980—U.S. Energy Information Administration (EIA), *Energy Data Reports, Petroleum Statement, Annual*, annual reports. • 1981-2009—EIA, *Petroleum Supply Annual (PSA)*, annual reports. • 2010 and 2011—EIA, PSA, annual report; *Petroleum Supply Monthly*, monthly reports; and revisions to crude oil production, total field production, and adjustments, published in the *Monthly Energy Review* (May 2012), Table 3.1 (based on crude oil production data from: State government agencies; U.S. Department of the Interior, Bureau of Safety and Environmental Enforcement, and predecessor agencies; and Form EIA-182, "Domestic Crude Oil First Purchase Report").

Figure 5.2 Crude Oil Production and Crude Oil Well Productivity, 1954-2011

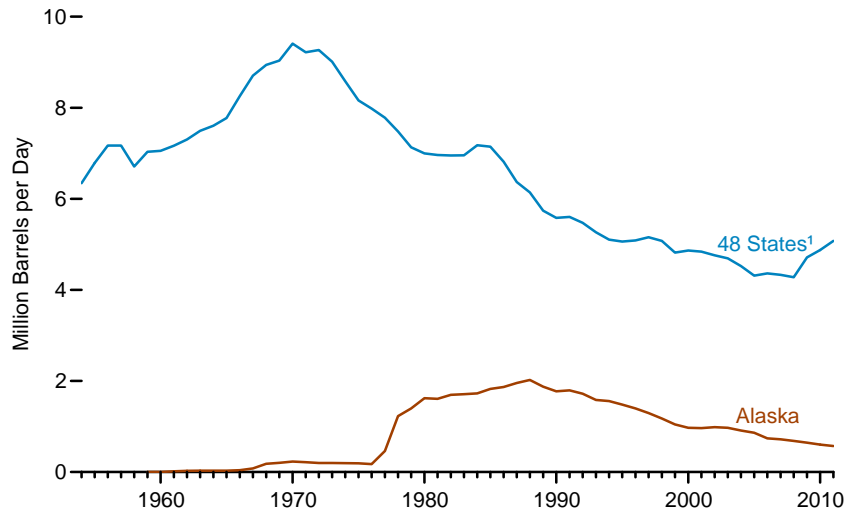
Crude Oil Production by Location



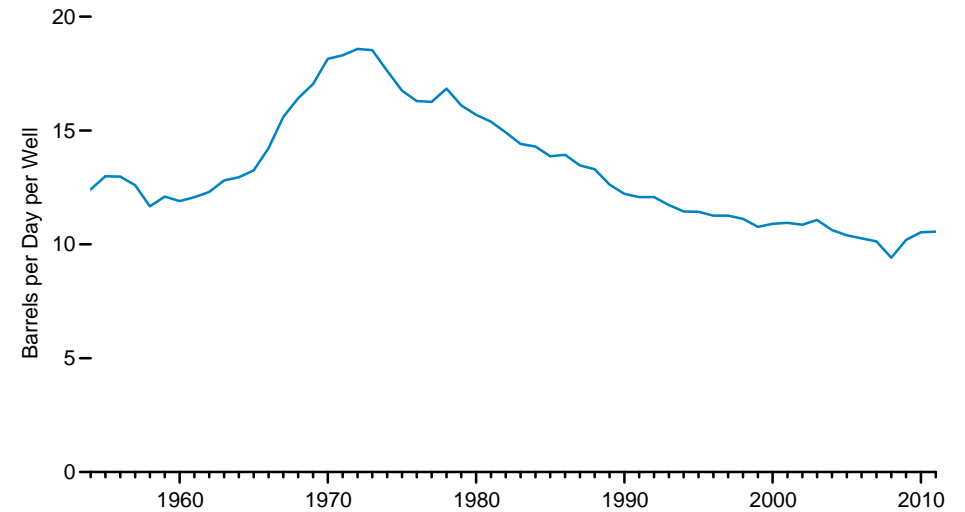
Number of Producing Wells



Crude Oil Production, 48 States¹ and Alaska



Crude Oil Well Average Productivity



¹ United States excluding Alaska and Hawaii.
Note: Crude oil includes lease condensate.

Source: Table 5.2.

Table 5.2 Crude Oil Production and Crude Oil Well Productivity, Selected Years, 1954-2011

Year	Crude Oil Production							Crude Oil Well ¹ Productivity		
	48 States ²	Alaska ³	Total	Onshore	Offshore			Total	Producing Wells ⁴	Average Productivity ⁵
					Federal	State	Total			
	Thousand Barrels per Day				Thousand Barrels per Day				Thousands	Barrels per Day per Well
1954	6,342	0	6,342	6,209	NA	NA	133	6,342	511	12.4
1955	6,807	0	6,807	6,645	NA	NA	162	6,807	524	13.0
1960	7,034	2	7,035	6,716	NA	NA	319	7,035	591	11.9
1965	7,774	30	7,804	7,140	NA	NA	665	7,804	589	13.2
1970	9,408	229	9,637	8,060	NA	NA	1,577	9,637	531	18.1
1975	8,183	191	8,375	7,012	NA	NA	1,362	8,375	500	16.8
1976	7,958	173	8,132	6,868	NA	NA	1,264	8,132	499	16.3
1977	7,781	464	8,245	7,069	NA	NA	1,176	8,245	507	16.3
1978	7,478	1,229	8,707	7,571	NA	NA	1,136	8,707	517	16.8
1979	7,151	1,401	8,552	7,485	NA	NA	1,067	8,552	531	16.1
1980	6,980	1,617	8,597	7,562	NA	NA	1,034	8,597	548	15.7
1981	6,962	1,609	8,572	7,537	773	261	1,034	8,572	557	15.4
1982	6,953	1,696	8,649	7,538	863	247	1,110	8,649	580	14.9
1983	6,974	1,714	8,688	7,492	960	236	1,196	8,688	603	14.4
1984	7,157	1,722	8,879	7,596	1,039	244	1,283	8,879	621	14.3
1985	7,146	1,825	8,971	7,722	1,023	227	1,250	8,971	647	13.9
1986	6,814	1,867	8,680	7,426	1,038	216	1,254	8,680	623	13.9
1987	6,387	1,962	8,349	7,153	977	219	1,196	8,349	620	13.5
1988	6,123	2,017	8,140	6,949	904	287	1,191	8,140	612	13.3
1989	5,739	1,874	7,613	6,486	855	272	1,127	7,613	603	12.6
1990	5,582	1,773	7,355	6,273	821	261	1,082	7,355	602	12.2
1991	5,618	1,798	7,417	6,245	886	286	1,172	7,417	614	12.1
1992	5,457	1,714	7,171	5,953	938	280	1,218	7,171	594	12.1
1993	5,264	1,582	6,847	^R 5,596	964	287	^R 1,250	6,847	584	11.7
1994	5,103	1,559	6,662	5,291	1,017	353	1,370	6,662	582	11.4
1995	5,076	1,484	6,560	5,035	1,140	385	1,525	6,560	574	11.4
1996	5,071	1,393	6,465	4,902	1,197	365	1,562	6,465	574	11.3
1997	5,156	1,296	6,452	4,803	1,278	371	1,648	6,452	573	11.3
1998	5,077	1,175	6,252	4,560	1,355	337	1,692	6,252	562	11.1
1999	4,832	1,050	5,881	4,132	1,462	288	1,750	5,881	546	10.8
2000	4,851	970	5,822	4,049	1,525	248	1,773	5,822	534	10.9
2001	4,839	963	5,801	3,879	1,621	302	1,923	5,801	530	10.9
2002	4,761	984	5,746	3,743	1,637	365	2,003	5,746	529	10.9
2003	4,706	974	5,681	3,668	1,641	371	2,012	5,681	513	11.1
2004	4,510	908	5,419	3,536	1,527	356	1,883	5,419	510	10.6
2005	4,314	864	5,178	3,466	1,354	358	1,712	5,178	498	10.4
2006	4,361	741	5,102	3,401	1,370	331	1,701	5,102	497	10.3
2007	4,342	722	5,064	3,407	1,344	312	1,657	5,064	500	10.1
2008	4,268	683	4,950	3,452	1,218	280	1,498	4,950	526	9.4
2009	4,715	645	5,361	3,622	1,619	119	1,738	5,361	526	10.2
2010	^R 4,874	^R 601	^R 5,476	^{RE} 3,744	^E 1,609	^E 122	^{RE} 1,732	^R 5,476	^R 520	^R 10.5
2011	^E 5,090	^E 572	^E 5,662	^E 4,178	^E 1,373	^E 111	^E 1,484	^E 5,662	^P 536	^E 10.6

¹ See "Crude Oil Well" in Glossary.

² United States excluding Alaska and Hawaii. Includes State onshore, State offshore, and Federal offshore production.

³ Includes State onshore and State offshore production.

⁴ As of December 31.

⁵ Through 1976, average productivity is based on the average number of producing wells. Beginning in 1977, average productivity is based on the number of wells producing at end of year.

R=Revised. P=Preliminary. E=Estimate. NA=Not available.

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

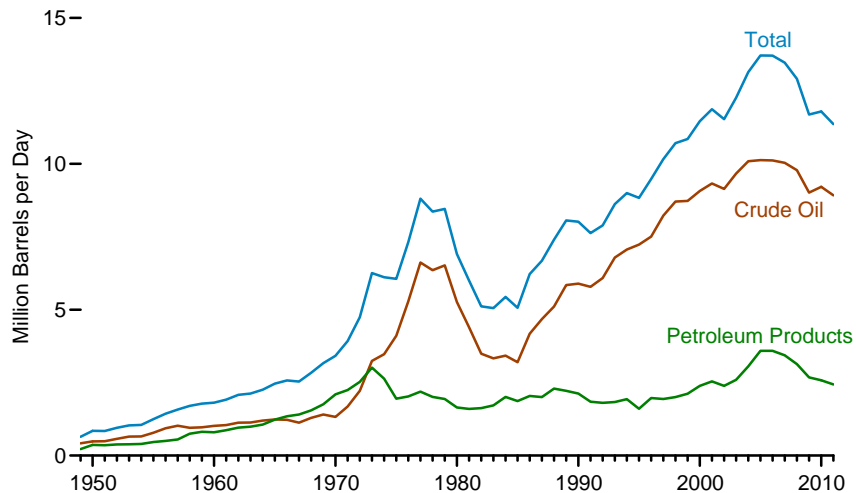
Web Pages: • See <http://www.eia.gov/totalenergy/data/annual/#petroleum> for all data beginning in 1954. • For related information, see <http://www.eia.gov/petroleum/>.

Sources: **Crude Oil Production:** • 1954-1975—Bureau of Mines, Mineral Industry Surveys, *Petroleum*

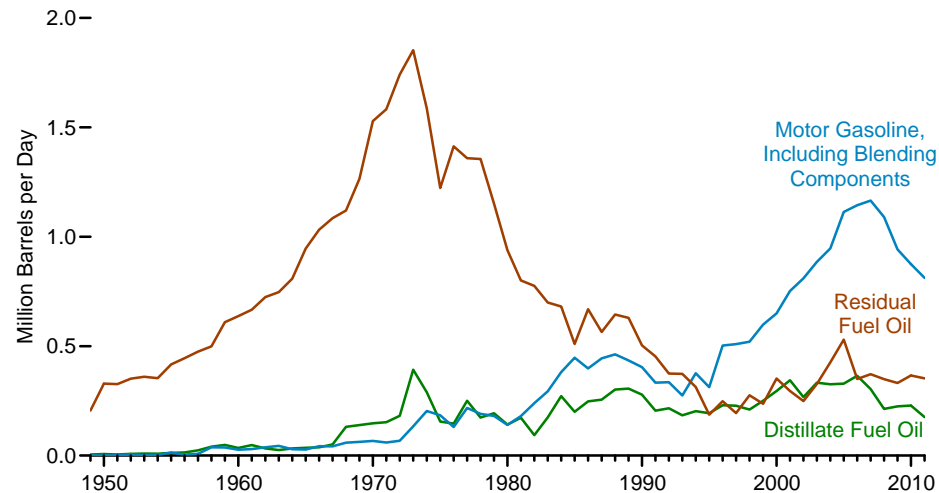
Statement, Annual, annual reports; and U.S. Geological Survey, *Outer Continental Shelf Statistics* (June 1979). • 1976-1980—U.S. Energy Information Administration (EIA), Energy Data Reports, *Petroleum Statement, Annual*, annual reports. • 1981-2009—EIA, *Petroleum Supply Annual*, annual reports. • 2010 and 2011—EIA, *Monthly Energy Review* (May 2012), Table 3.1; and crude oil production data from: State government agencies; U.S. Department of the Interior, Bureau of Safety and Environmental Enforcement, and predecessor agencies; and Form EIA-182, "Domestic Crude Oil First Purchase Report." **Producing Wells:** • 1954-1975—Bureau of Mines, *Minerals Yearbook*, "Crude Petroleum and Petroleum Products" chapter. • 1976-1980—EIA, Energy Data Reports, *Petroleum Statement, Annual*, annual reports. • 1981-1994—Independent Petroleum Association of America, *The Oil Producing Industry in Your State*. • 1995 forward—Gulf Publishing Co., *World Oil*, February issues. **Average Productivity:** Calculated as total production divided by producing wells.

Figure 5.3 Petroleum Imports by Type

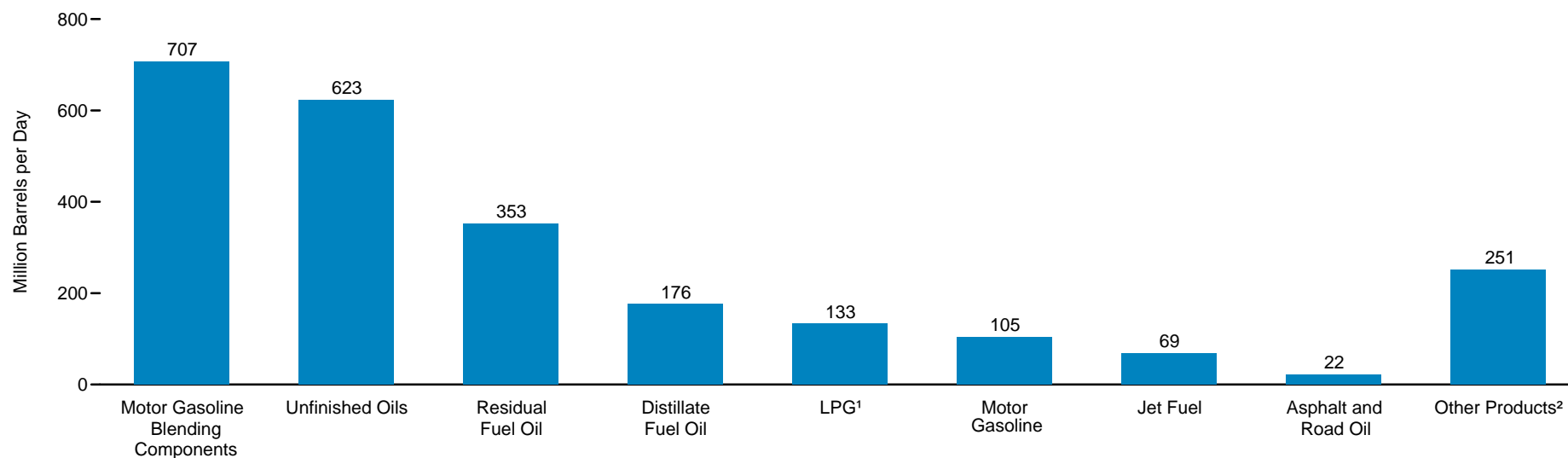
Total, 1949-2011



By Selected Product, 1949-2011



By Product, 2011



¹ Liquefied petroleum gases.

Source: Table 5.3.

² Aviation gasoline and blending components, kerosene, lubricants, naphtha-type jet fuel, pentanes plus, petrochemical feedstocks, petroleum coke, special naphthas, waxes, other hydrocarbons and oxygenates, and miscellaneous products.

Table 5.3 Petroleum Imports by Type, Selected Years, 1949-2011
(Thousand Barrels per Day)

Year	Crude Oil ^{1,2}	Petroleum Products											Total Petroleum
		Asphalt and Road Oil	Distillate Fuel Oil	Jet Fuel ³	Liquefied Petroleum Gases		Motor Gasoline ⁵	Motor Gasoline Blending Components	Residual Fuel Oil	Unfinished Oils	Other Products ⁶	Total	
					Propane ⁴	Total							
1949	421	3	5	(³)	0	0	0	0	206	10	0	224	645
1950	487	5	7	(³)	0	0	(s)	(⁷)	329	21	1	363	850
1955	782	9	12	(³)	0	0	13	(⁷)	417	15	0	466	1,248
1960	1,015	17	35	34	NA	4	27	(⁷)	637	45	(s)	799	1,815
1965	1,238	17	36	81	NA	21	28	(⁷)	946	92	10	1,229	2,468
1970	1,324	17	147	144	26	52	67	(⁷)	1,528	108	32	2,095	3,419
1975	4,105	14	155	133	60	112	184	(⁷)	1,223	36	95	1,951	6,056
1976	5,287	11	146	76	68	130	131	(⁷)	1,413	32	87	2,026	7,313
1977	6,615	4	250	75	86	161	217	(⁷)	1,359	31	95	2,193	8,807
1978	6,356	2	173	86	57	123	190	(⁷)	1,355	27	50	2,008	8,363
1979	6,519	4	193	78	88	217	181	(⁷)	1,151	59	54	1,937	8,456
1980	5,263	4	142	80	69	216	140	(⁷)	939	55	72	1,646	6,909
1981	4,396	4	173	38	70	244	157	24	800	112	48	1,599	5,996
1982	3,488	5	93	29	63	226	197	42	776	174	84	1,625	5,113
1983	3,329	7	174	29	44	190	247	47	699	234	94	1,722	5,051
1984	3,426	18	272	62	67	195	299	83	681	231	171	2,011	5,437
1985	3,201	35	200	39	67	187	381	67	510	318	130	1,866	5,067
1986	4,178	29	247	57	110	242	326	72	669	250	153	2,045	6,224
1987	4,674	36	255	67	88	190	384	60	565	299	146	2,004	6,678
1988	5,107	31	302	90	106	209	405	57	644	360	196	2,295	7,402
1989	5,843	31	306	106	111	181	369	66	629	348	183	2,217	8,061
1990	5,894	32	278	108	115	188	342	62	504	413	198	2,123	8,018
1991	5,782	28	205	67	91	147	297	36	453	413	198	1,844	7,627
1992	6,083	27	216	82	85	131	294	41	375	443	195	1,805	7,888
1993	6,787	32	184	100	103	160	247	27	373	491	219	1,833	8,620
1994	7,063	37	203	117	124	183	356	20	314	413	291	1,933	8,996
1995	7,230	36	193	106	102	146	265	48	187	349	276	1,605	8,835
1996	7,508	27	230	111	119	166	336	166	248	367	319	1,971	9,478
1997	8,225	32	228	91	113	169	309	200	194	353	360	1,936	10,162
1998	8,706	28	210	124	137	194	311	209	275	302	350	2,002	10,708
1999	8,731	34	250	128	122	182	382	217	237	317	375	2,122	10,852
2000	9,071	28	295	162	161	215	427	223	352	274	414	2,389	11,459
2001	9,328	26	344	148	140	206	454	298	295	378	393	2,543	11,871
2002	9,140	27	267	107	145	183	498	311	249	410	337	2,390	11,530
2003	9,665	12	333	109	168	225	518	367	327	335	373	2,599	12,264
2004	10,088	43	325	127	209	263	496	451	426	490	436	3,057	13,145
2005	10,126	43	329	190	233	328	603	510	530	582	473	3,588	13,714
2006	10,118	50	365	186	228	332	475	669	350	689	473	3,589	13,707
2007	10,031	40	304	217	182	247	413	753	372	717	375	3,437	13,468
2008	9,783	25	213	103	185	253	302	789	349	763	337	3,132	12,915
2009	9,013	22	225	81	147	182	223	719	331	677	217	2,678	11,691
2010	^R 9,213	20	^R 228	^R 98	^R 121	^R 153	^R 134	^R 741	^R 366	^R 606	^R 234	^R 2,580	^R 11,793
2011 ^P	8,921	22	176	69	108	133	105	707	353	623	251	2,438	11,360

¹ Includes lease condensate.

² Includes imports for the Strategic Petroleum Reserve, which began in 1977. See Table 5.17.

³ Through 1955, naphtha-type jet fuel is included in "Motor Gasoline." Through 1964, kerosene-type jet fuel is included with kerosene in "Other Products." Beginning in 2005, naphtha-type jet fuel is included in "Other Products."

⁴ Includes propylene.

⁵ Finished motor gasoline. Through 1955, also includes naphtha-type jet fuel. Through 1963, also includes aviation gasoline and special naphthas. Through 1980, also includes motor gasoline blending components.

⁶ Aviation gasoline blending components, kerosene, lubricants, pentanes plus, petrochemical feedstocks, petroleum coke, waxes, other hydrocarbons and oxygenates, and miscellaneous products. Through 1964, also includes kerosene-type jet fuel. Beginning in 1964, also includes aviation gasoline and

special naphthas. Beginning in 2005, also includes naphtha-type jet fuel.

⁷ Included in "Motor Gasoline."

R=Revised. P=Preliminary. NA=Not available. (s)=Less than 500 barrels per day.

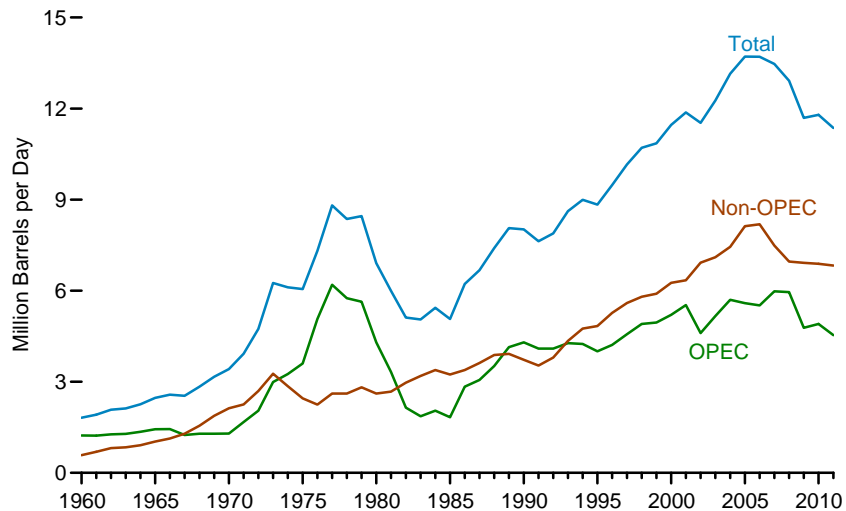
Notes: • Includes imports from U.S. possessions and territories. • Totals may not equal sum of components due to independent rounding.

Web Pages: • See <http://www.eia.gov/totalenergy/data/monthly/#petroleum> for updated monthly and annual data. • See <http://www.eia.gov/totalenergy/data/annual/#petroleum> for all annual data beginning in 1949. • See <http://www.eia.gov/petroleum/> for related information.

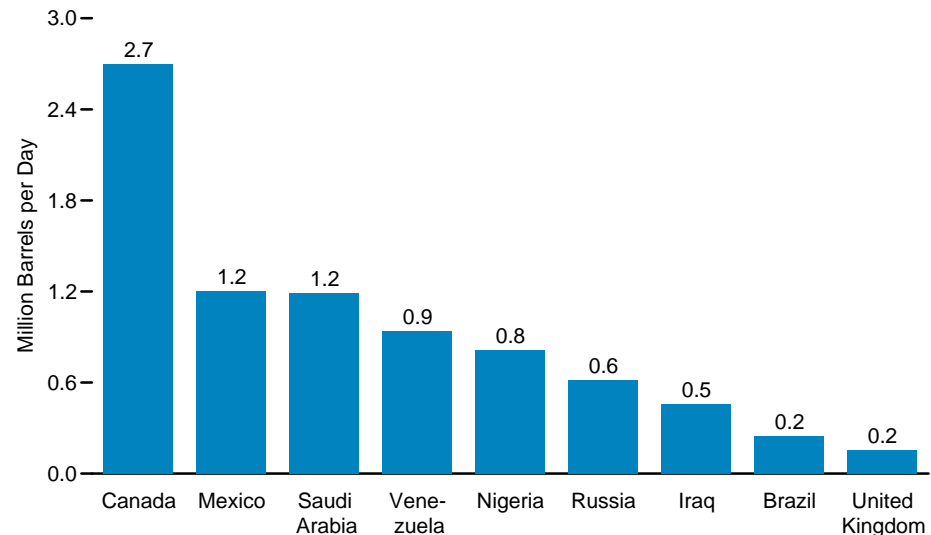
Sources: • 1949-1975—Bureau of Mines, Mineral Industry Surveys, *Petroleum Statement, Annual*, annual reports. • 1976-1980—U.S. Energy Information Administration (EIA), *Energy Data Reports, Petroleum Statement, Annual*, annual reports. • 1981-2010—EIA, *Petroleum Supply Annual*, annual reports. • 2011—EIA, *Petroleum Supply Monthly* (February 2012).

Figure 5.4 Petroleum Imports by Country of Origin

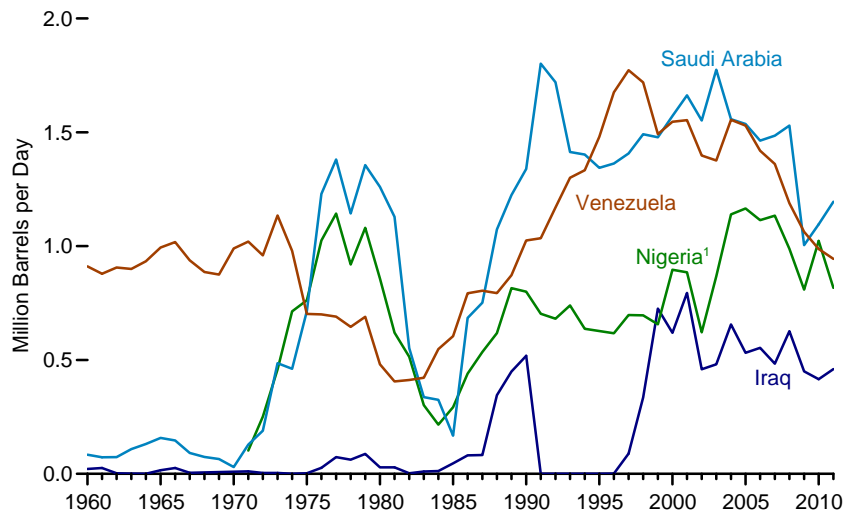
Total, OPEC, and Non-OPEC, 1960-2011



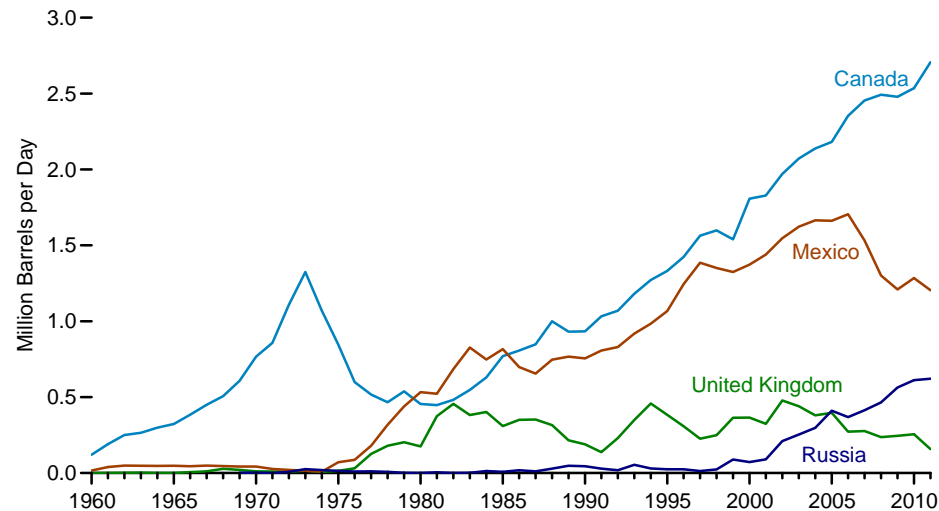
Selected Countries, 2011



Selected OPEC Countries, 1960-2011



Selected Non-OPEC Countries, 1960-2011



¹ On this graph, imports from Nigeria are shown beginning in 1971, when Nigeria joined OPEC.

Note: OPEC=Organization of the Petroleum Exporting Countries.
Source: Table 5.4.

Table 5.4 Petroleum Imports by Country of Origin, Selected Years, 1960-2011

Year	Persian Gulf ²	Selected OPEC ¹ Countries					Selected Non-OPEC ¹ Countries						Total Imports	Imports From Persian Gulf ² as Share of Total Imports	Imports From OPEC ¹ as Share of Total Imports
		Iraq	Nigeria	Saudi Arabia ³	Venezuela	Total OPEC ⁴	Brazil	Canada	Mexico	Russia ⁵	United Kingdom	Total Non-OPEC ⁴			
Thousand Barrels per Day													Percent		
1960	RE326	22	(⁶)	84	911	1,233	1	120	16	0	(s)	581	1,815	RE17.9	68.0
1965	R359	16	(⁶)	158	994	1,439	0	323	48	0	(s)	1,029	2,468	R14.5	58.3
1966	R319	26	(⁶)	147	1,018	1,444	0	384	45	0	6	1,129	2,573	R12.4	56.1
1967	R203	5	(⁶)	92	938	1,247	2	450	49	0	11	1,290	2,537	R8.0	49.2
1968	R218	0	(⁶)	74	886	1,287	(s)	506	45	0	28	1,553	2,840	R7.7	45.3
1969	R193	0	(⁶)	65	875	1,286	0	608	43	2	20	1,879	3,166	R6.1	40.6
1970	R184	0	(⁶)	30	989	1,294	2	766	42	3	11	2,126	3,419	R5.4	37.8
1971	R379	11	102	128	1,020	1,673	3	857	27	0	10	2,253	3,926	R9.7	42.6
1972	471	4	251	190	959	2,046	5	1,108	21	8	9	2,695	4,741	9.9	43.2
1973	848	4	459	486	1,135	2,993	9	1,325	16	26	15	3,263	6,256	13.6	47.8
1974	1,039	0	713	461	979	3,256	2	1,070	8	20	8	2,856	6,112	17.0	53.3
1975	1,165	2	762	715	702	3,601	5	846	71	14	14	2,454	6,056	19.2	59.5
1976	1,840	26	1,025	1,230	700	5,066	0	599	87	11	31	2,247	7,313	25.2	69.3
1977	2,448	74	1,143	1,380	690	6,193	0	517	179	12	126	2,614	8,807	27.8	70.3
1978	2,219	62	919	1,144	646	5,751	0	467	318	8	180	2,612	8,363	26.5	68.8
1979	2,069	88	1,080	1,356	690	5,637	1	538	439	1	202	2,819	8,456	24.5	66.7
1980	1,519	28	857	1,261	481	4,300	3	455	533	1	176	2,609	6,909	22.0	62.2
1981	1,219	(s)	620	1,129	406	3,323	23	447	522	5	375	2,672	5,996	20.3	55.4
1982	696	3	514	552	412	2,146	47	482	685	1	456	2,968	5,113	13.6	42.0
1983	442	10	302	337	422	1,862	41	547	826	1	382	3,189	5,051	8.8	36.9
1984	506	12	216	325	548	2,049	60	630	748	13	402	3,388	5,437	9.3	37.7
1985	311	46	293	168	605	1,830	61	770	816	8	310	3,237	5,067	6.1	36.1
1986	912	81	440	685	793	2,837	50	807	699	18	350	3,387	6,224	14.7	45.6
1987	1,077	83	535	751	804	3,060	84	848	655	11	352	3,617	6,678	16.1	45.8
1988	1,541	345	618	1,073	794	3,520	98	999	747	29	315	3,882	7,402	20.8	47.6
1989	1,861	449	815	1,224	873	4,140	82	931	767	48	215	3,921	8,061	23.1	51.4
1990	1,966	518	800	1,339	1,025	4,296	49	934	755	45	189	3,721	8,018	24.5	53.6
1991	1,845	0	703	1,802	1,035	4,092	22	1,033	807	29	138	3,535	7,627	24.2	53.7
1992	1,778	0	681	1,720	1,170	4,092	20	1,069	830	18	230	3,796	7,888	22.5	51.9
1993	1,782	0	740	1,414	1,300	4,273	33	1,181	919	55	350	4,347	8,620	20.7	49.6
1994	1,728	0	637	1,402	1,334	4,247	31	1,272	984	30	458	4,749	8,996	19.2	47.2
1995	1,573	0	627	1,344	1,480	4,002	8	1,332	1,068	25	383	4,833	8,835	17.8	45.3
1996	1,604	1	617	1,363	1,676	4,211	9	1,424	1,244	25	308	5,267	9,478	16.9	44.4
1997	1,755	89	698	1,407	1,773	4,569	5	1,563	1,385	13	226	5,593	10,162	17.3	45.0
1998	2,136	336	696	1,491	1,719	4,905	26	1,598	1,351	24	250	5,803	10,708	19.9	45.8
1999	2,464	725	657	1,478	1,493	4,953	26	1,539	1,324	89	365	5,899	10,852	22.7	45.6
2000	2,488	620	896	1,572	1,546	5,203	51	1,807	1,373	72	366	6,257	11,459	21.7	45.4
2001	2,761	795	885	1,662	1,553	5,528	82	1,828	1,440	90	324	6,343	11,871	23.3	46.6
2002	2,269	459	621	1,552	1,398	4,605	116	1,971	1,547	210	478	6,925	11,530	19.7	39.9
2003	2,501	481	867	1,774	1,376	5,162	108	2,072	1,623	254	440	7,103	12,264	20.4	42.1
2004	2,493	656	1,140	1,558	1,554	5,701	104	2,138	1,665	298	380	7,444	13,145	19.0	43.4
2005	2,334	531	1,166	1,537	1,529	5,587	156	2,181	1,662	410	396	8,127	13,714	17.0	40.7
2006	2,211	553	1,114	1,463	1,419	5,517	193	2,353	1,705	369	272	8,190	13,707	16.1	40.2
2007	2,163	484	1,134	1,485	1,361	5,980	200	2,455	1,532	414	277	7,489	13,468	16.1	44.4
2008	2,370	627	988	1,529	1,189	5,954	258	2,493	1,302	465	236	6,961	12,915	18.4	46.1
2009	1,689	450	809	1,004	1,063	4,776	309	2,479	1,210	563	245	6,915	11,691	14.4	40.9
2010	R1,711	R415	R1,023	R1,096	R988	R4,906	R272	R2,535	R1,284	R612	256	R6,887	R11,793	14.5	41.6
2011 ^P	1,862	460	817	1,195	944	4,534	249	2,706	1,205	621	158	6,825	11,360	16.4	39.9

¹ See "Organization of the Petroleum Exporting Countries (OPEC)" in Glossary.

² Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, United Arab Emirates, and the Neutral Zone (between Kuwait and Saudi Arabia).

³ Through 1970, includes half the imports from the Neutral Zone. Beginning in 1971, includes imports from the Neutral Zone that are reported to U.S. Customs as originating in Saudi Arabia.

⁴ On this table, "Total OPEC" for all years includes Iran, Iraq, Kuwait, Saudi Arabia, Venezuela, and the Neutral Zone (between Kuwait and Saudi Arabia); beginning in 1961, also includes Qatar; beginning in 1962, also includes Libya; for 1962–2008, also includes Indonesia; beginning in 1967, also includes United Arab Emirates; beginning in 1969, also includes Algeria; beginning in 1971, also includes Nigeria; for 1973–1992 and beginning in 2008, also includes Ecuador (although Ecuador rejoined OPEC in November 2007, on this table Ecuador is included in "Total Non-OPEC" for 2007); for 1975–1994, also includes Gabon; and beginning in 2007, also includes Angola. Data for all countries not included in "Total OPEC" are included in "Total Non-OPEC."

⁵ Through 1992, may include imports from republics other than Russia in the former U.S.S.R. See "U.S.S.R." in Glossary.

⁶ Nigeria joined OPEC in 1971. For 1960–1970, Nigeria is included in "Total Non-OPEC."

R=Revised, P=Preliminary, E=Estimate, (s)=Less than 500 barrels per day.

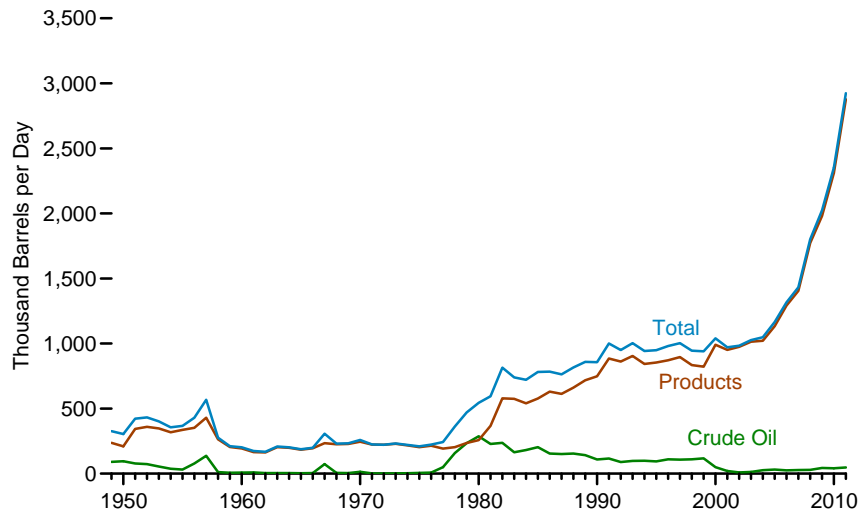
Notes: • The country of origin for refined petroleum products may not be the country of origin for the crude oil from which the refined products were produced. For example, refined products imported from refineries in the Caribbean may have been produced from Middle East crude oil. • Data include any imports for the Strategic Petroleum Reserve, which began in 1977. • Totals may not equal sum of components due to independent rounding.

Web Pages: • See <http://www.eia.gov/totalenergy/data/monthly/#petroleum> for updated monthly and annual data. • See <http://www.eia.gov/totalenergy/data/annual/#petroleum> for all annual data beginning in 1960. • See <http://www.eia.gov/petroleum/> for related information.

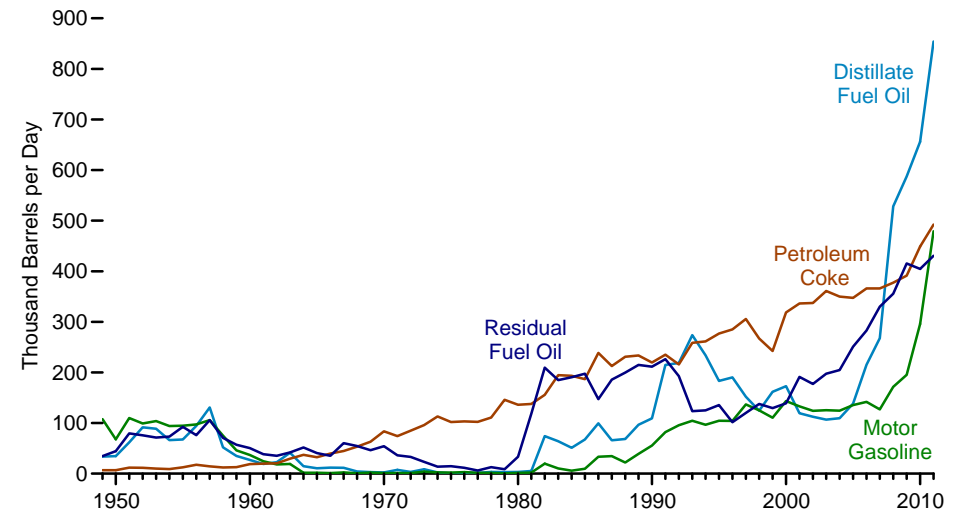
Sources: • 1960–1975—Bureau of Mines, *Minerals Yearbook*, "Crude Petroleum and Petroleum Products" chapter. • 1976–1980—U.S. Energy Information Administration (EIA), Energy Data Reports, *P.A.D. Districts Supply/Demand, Annual*, annual reports. • 1981–2010—EIA, *Petroleum Supply Annual*, annual reports. • 2011—EIA, *Petroleum Supply Monthly* (February 2012).

Figure 5.5 Petroleum Exports by Type

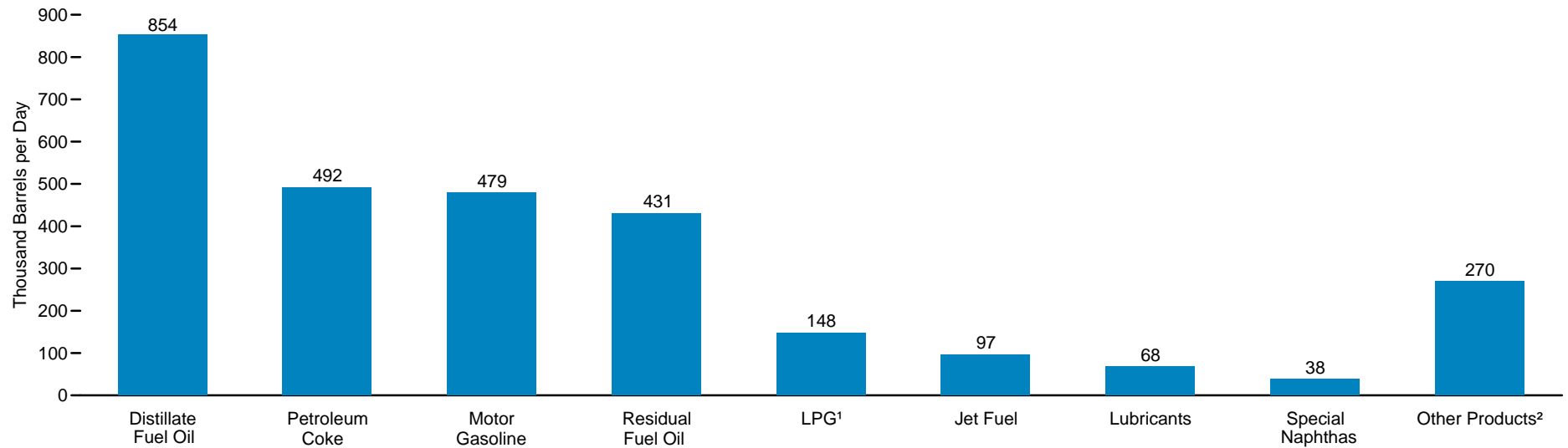
Total, 1949-2011



By Selected Product, 1949-2011



By Product, 2011



¹ Liquefied petroleum gases.

Source: Table 5.5.

² Asphalt and road oil, aviation gasoline, kerosene, motor gasoline blending components, naphtha-type jet fuel, pentanes plus, waxes, other hydrocarbons and oxygenates, and miscellaneous products.

Table 5.5 Petroleum Exports by Type, Selected Years, 1949-2011
(Thousand Barrels per Day)

Year	Crude Oil ¹	Petroleum Products												Total Petroleum
		Distillate Fuel Oil	Jet Fuel ²	Liquefied Petroleum Gases		Lubricants	Motor Gasoline ⁴	Petroleum Coke	Petrochemical Feedstocks	Residual Fuel Oil	Special Naphthas	Other Products ⁵	Total	
				Propane ³	Total									
1949	91	34	(²)	NA	4	35	108	7	0	35	NA	15	236	327
1950	95	35	(²)	NA	4	39	68	7	0	44	NA	12	210	305
1955	32	67	(s)	NA	12	39	95	12	0	93	NA	18	336	368
1960	8	27	(s)	NA	8	43	37	19	0	51	NA	9	193	202
1965	3	10	3	NA	21	45	2	32	5	41	4	20	184	187
1970	14	2	6	6	27	44	1	84	10	54	4	12	245	259
1975	6	1	2	13	26	25	2	102	22	15	3	6	204	209
1976	8	1	2	13	25	26	3	103	30	12	7	6	215	223
1977	50	1	2	10	18	26	2	102	24	6	4	7	193	243
1978	158	3	1	9	20	27	1	111	23	13	2	2	204	362
1979	235	3	1	8	15	23	(s)	146	31	9	5	3	236	471
1980	287	3	1	10	21	23	1	136	29	33	5	4	258	544
1981	228	5	2	18	42	19	2	138	26	118	11	4	367	595
1982	236	74	6	31	65	16	20	156	24	209	5	4	579	815
1983	164	64	6	43	73	16	10	195	20	185	3	3	575	739
1984	181	51	9	30	48	15	6	193	21	190	2	6	541	722
1985	204	67	13	48	62	15	10	187	19	197	1	4	577	781
1986	154	100	18	28	42	23	33	238	22	147	1	8	631	785
1987	151	66	24	24	38	23	35	213	20	186	2	7	613	764
1988	155	69	28	31	49	26	22	231	23	200	7	6	661	815
1989	142	97	27	24	35	19	39	233	26	215	12	15	717	859
1990	109	109	43	28	40	20	55	220	26	211	11	13	748	857
1991	116	215	43	28	41	18	82	235	0	226	15	9	885	1,001
1992	89	219	43	33	49	16	96	216	0	193	14	16	861	950
1993	98	274	59	26	43	19	105	258	0	123	4	20	904	1,003
1994	99	234	20	24	38	22	97	261	0	125	20	26	843	942
1995	95	183	26	38	58	25	104	277	0	136	21	25	855	949
1996	110	190	48	28	51	34	104	285	0	102	21	36	871	981
1997	108	152	35	32	50	31	137	306	0	120	22	44	896	1,003
1998	110	124	26	25	42	25	125	267	0	138	18	70	835	945
1999	118	162	32	33	50	28	111	242	0	129	16	52	822	940
2000	50	173	32	53	74	26	144	319	0	139	20	64	990	1,040
2001	20	119	29	31	44	26	133	336	0	191	23	50	951	971
2002	9	112	15	55	67	33	124	337	0	177	15	94	975	984
2003	12	107	20	37	56	37	125	361	0	197	22	89	1,014	1,027
2004	27	110	40	28	43	41	124	350	0	205	27	82	1,021	1,048
2005	32	138	53	37	53	40	136	347	0	251	21	94	1,133	1,165
2006	25	215	41	45	56	55	142	366	0	283	14	121	1,292	1,317
2007	27	268	41	42	57	59	127	366	0	330	18	140	1,405	1,433
2008	29	528	61	53	67	60	172	377	0	355	13	139	1,773	1,802
2009	44	587	69	85	100	57	195	391	0	415	22	143	1,980	2,024
2010	42	656	84	109	132	62	296	449	0	405	36	^R 192	^R 2,311	^R 2,353
2011 ^P	47	854	97	124	148	68	479	492	0	431	38	270	2,877	2,924

¹ Includes lease condensate.

² Through 1952, naphtha-type jet fuel is included in the products from which it was blended: gasoline, kerosene, and distillate fuel oil. Through 1964, kerosene-type jet fuel is included with kerosene in "Other Products." Beginning in 2005, naphtha-type jet fuel is included in "Other Products."

³ Includes propylene.

⁴ Finished motor gasoline. Through 1963, also includes aviation gasoline.

⁵ Asphalt and road oil, kerosene, motor gasoline blending components, pentanes plus, waxes, other hydrocarbons and oxygenates, and miscellaneous products. Through 1964, also includes kerosene-type jet fuel. Beginning in 1964, also includes aviation gasoline. Beginning in 2005, also includes naphtha-type jet fuel.

R=Revised. P=Preliminary. NA=Not available. (s)=Less than 500 barrels per day.

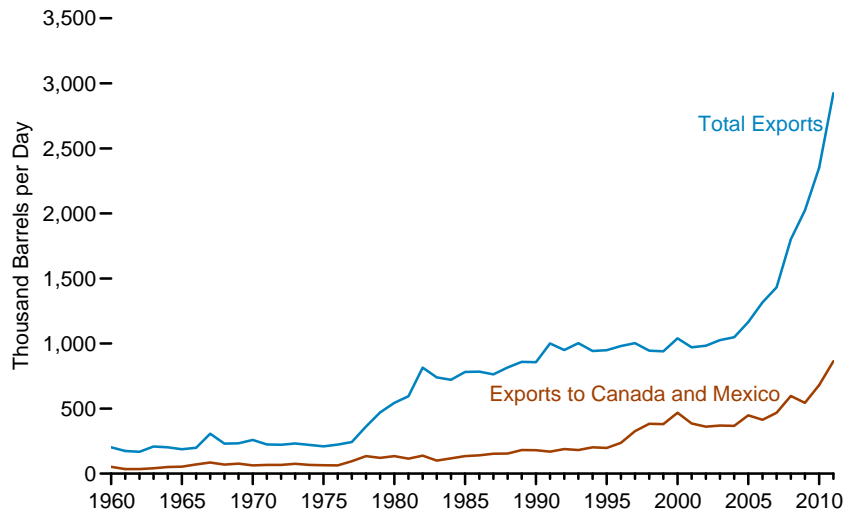
Notes: • Includes exports to U.S. possessions and territories. • Totals may not equal sum of components due to independent rounding.

Web Pages: • See <http://www.eia.gov/totalenergy/data/monthly/#petroleum> for updated monthly and annual data. • See <http://www.eia.gov/totalenergy/data/annual/#petroleum> for all annual data beginning in 1949. • See <http://www.eia.gov/petroleum/> for related information.

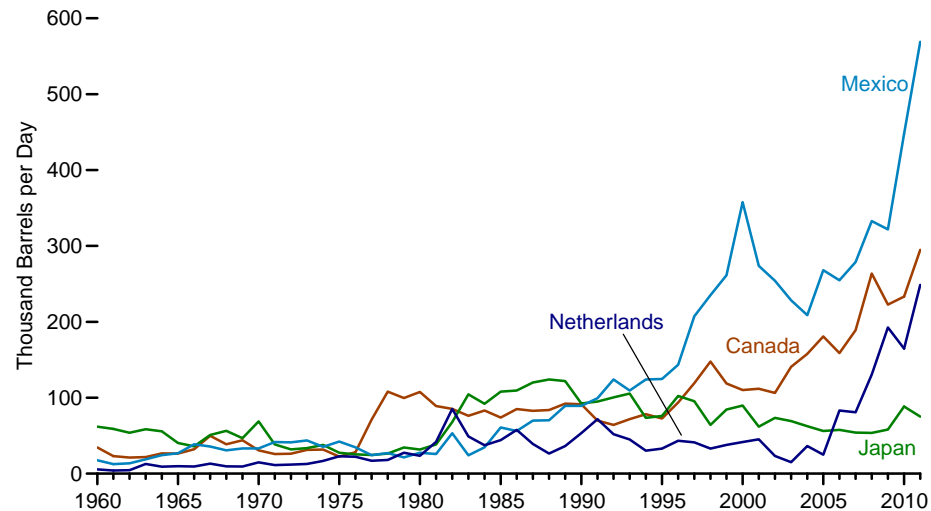
Sources: • 1949-1975—Bureau of Mines, Mineral Industry Surveys, *Petroleum Statement, Annual*, annual reports. • 1976-1980—U.S. Energy Information Administration (EIA), *Energy Data Reports, Petroleum Statement, Annual*, annual reports. • 1981-2010—EIA, *Petroleum Supply Annual*, annual reports. • 2011—EIA, *Petroleum Supply Monthly* (February 2012).

Figure 5.6 Petroleum Exports by Country of Destination

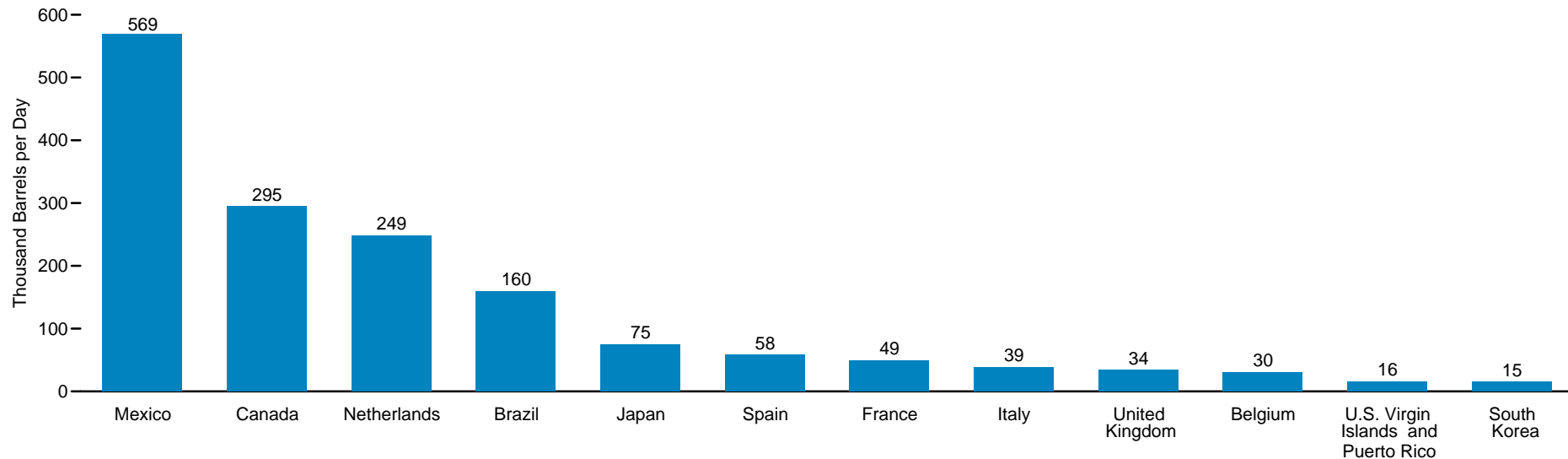
Total Exports and Exports to Canada and Mexico, 1960-2011



By Selected Country, 1960-2011



By Selected Country, 2011



Source: Table 5.6.

Table 5.6 Petroleum Exports by Country of Destination, Selected Years, 1960-2011
(Thousand Barrels per Day)

Year	Belgium ¹	Brazil	Canada	France	Italy	Japan	Mexico	Nether-lands	South Korea	Spain	United Kingdom	U.S. Virgin Islands and Puerto Rico	Other	Total
1960	3	4	34	4	6	62	18	6	NA	NA	12	1	52	202
1965	3	3	26	3	7	40	27	10	NA	NA	12	1	54	187
1966	3	4	32	4	7	36	39	9	NA	NA	12	3	49	198
1967	5	6	50	3	9	51	36	13	NA	NA	62	7	65	307
1968	4	8	39	4	8	56	31	10	NA	NA	14	2	55	231
1969	4	7	44	4	9	47	33	9	NA	NA	13	2	59	233
1970	5	7	31	5	10	69	33	15	NA	NA	12	2	71	259
1971	7	9	26	5	8	39	42	11	NA	NA	9	3	67	224
1972	13	9	26	5	9	32	41	12	NA	4	10	4	59	222
1973	15	8	31	5	9	34	44	13	NA	4	9	3	56	231
1974	13	9	32	4	9	38	35	17	NA	4	6	6	48	221
1975	9	6	22	6	10	27	42	23	NA	4	7	12	40	209
1976	12	7	28	6	10	25	35	22	NA	4	13	22	39	223
1977	16	6	71	9	10	25	24	17	NA	5	9	11	39	243
1978	15	8	108	9	10	26	27	18	NA	5	7	86	42	362
1979	19	7	100	13	15	34	21	28	2	9	7	170	45	471
1980	20	4	108	11	14	32	28	23	2	8	7	220	70	544
1981	12	1	89	15	22	38	26	42	10	18	5	220	97	595
1982	17	8	85	24	32	68	53	85	28	24	14	212	165	815
1983	22	2	76	23	35	104	24	49	15	34	8	144	202	739
1984	21	1	83	18	39	92	35	37	17	29	14	152	182	722
1985	26	3	74	11	30	108	61	44	27	28	14	162	193	781
1986	30	3	85	11	39	110	56	58	12	39	8	113	222	785
1987	17	2	83	12	42	120	70	39	25	31	6	136	179	764
1988	25	3	84	12	29	124	70	26	24	36	9	147	226	815
1989	23	5	92	11	37	122	89	36	17	28	9	141	249	859
1990	20	2	91	17	48	92	89	54	60	33	11	101	240	857
1991	22	13	70	27	55	95	99	72	66	23	13	117	330	1,001
1992	22	20	64	9	38	100	124	52	80	21	12	95	315	950
1993	21	16	72	8	34	105	110	45	74	30	10	108	370	1,003
1994	26	15	78	11	35	74	124	30	66	30	10	104	338	942
1995	21	16	73	11	46	76	125	33	57	38	14	123	317	949
1996	27	29	94	18	32	102	143	43	60	34	9	72	318	981
1997	21	15	119	11	30	95	207	41	50	42	12	18	340	1,003
1998	14	18	148	8	30	64	235	33	33	30	11	4	317	945
1999	11	27	119	7	25	84	261	38	49	26	9	8	276	940
2000	14	28	110	10	34	90	358	42	20	40	10	10	277	1,040
2001	16	23	112	13	33	62	274	45	14	51	13	4	312	971
2002	19	26	106	12	29	74	254	23	11	54	12	9	354	984
2003	13	27	141	9	39	69	228	15	10	39	6	9	421	1,027
2004	20	27	158	18	32	63	209	36	12	42	14	10	408	1,048
2005	21	39	181	14	28	56	268	25	16	35	21	11	449	1,165
2006	23	42	159	13	39	58	255	83	21	42	28	10	543	1,317
2007	13	46	189	24	34	54	279	81	16	48	9	10	629	1,433
2008	18	54	264	27	41	54	333	131	18	54	17	13	777	1,802
2009	29	55	223	34	35	58	322	192	23	40	33	20	960	2,024
2010	19	^R 123	^R 233	36	37	88	^R 448	^R 165	^R 13	36	^R 19	17	^R 1,117	^R 2,353
2011 ^P	30	160	295	49	39	75	569	249	15	58	34	16	1,335	2,924

¹ Through 2004, includes Luxembourg.

R=Revised. P=Preliminary. NA=Not available.

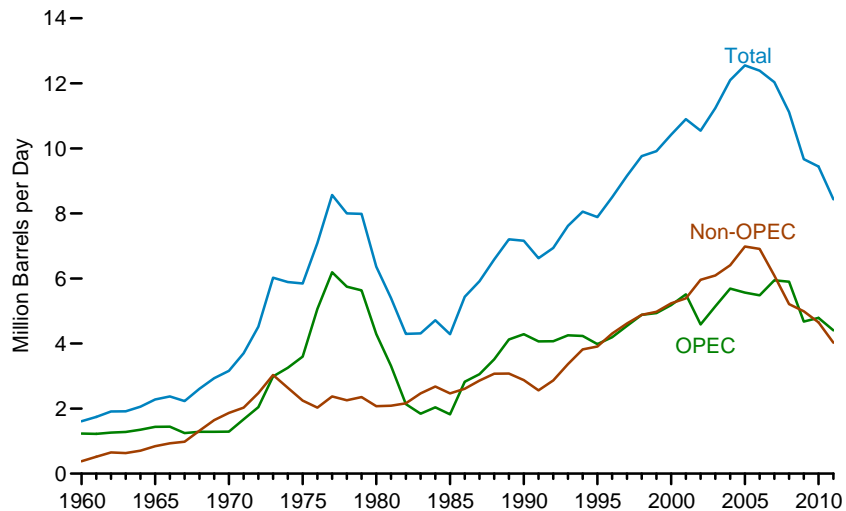
Note: Totals may not equal sum of components due to independent rounding.

Web Pages: • See <http://www.eia.gov/totalenergy/data/annual/#petroleum> for all data beginning in 1960. • For related information, see <http://www.eia.gov/petroleum/>.

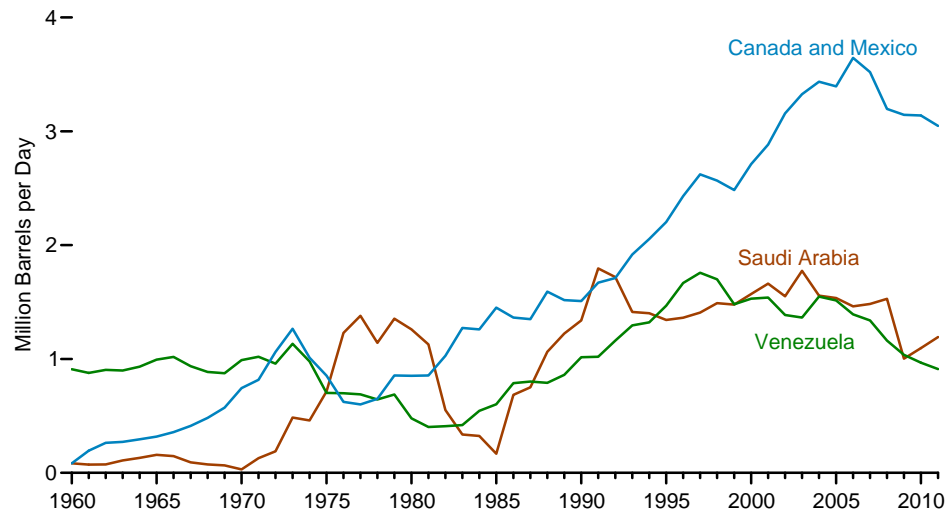
Sources: • 1960-1975—Bureau of Mines, Mineral Industry Surveys, *Petroleum Statement, Annual*, annual reports. • 1976-1980—U.S. Energy Information Administration (EIA), Energy Data Reports, *Petroleum Statement, Annual*, annual reports. • 1981-2010—EIA, *Petroleum Supply Annual*, annual reports. • 2011—EIA, *Petroleum Supply Monthly* (February 2012).

Figure 5.7 Petroleum Net Imports by Country of Origin, 1960-2011

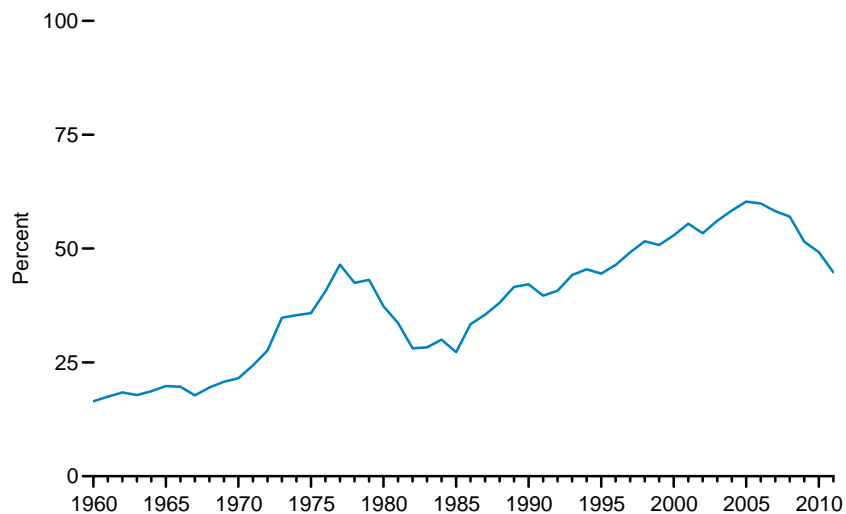
Total, OPEC, and Non-OPEC



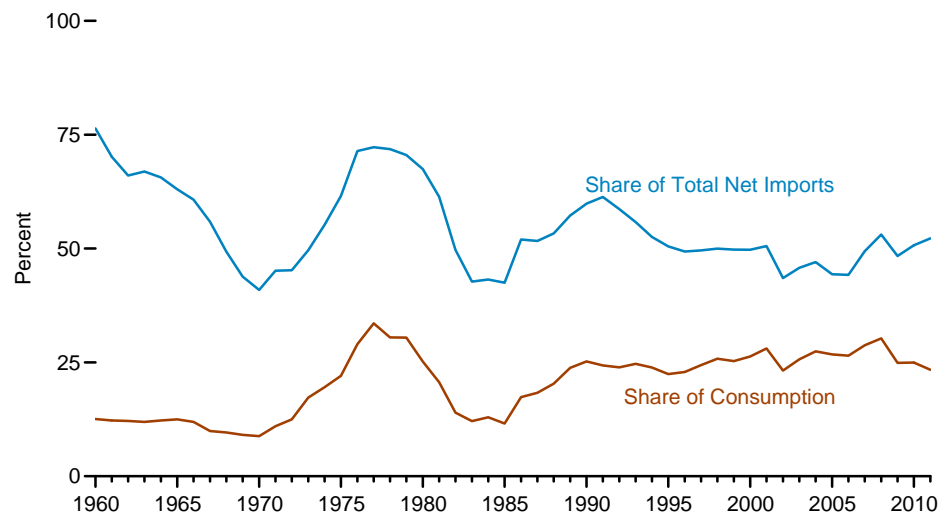
By Selected Country



Total Net Imports as Share of Consumption



Net Imports From OPEC



Note: OPEC=Organization of the Petroleum Exporting Countries.

Source: Table 5.7.

Table 5.7 Petroleum Net Imports by Country of Origin, Selected Years, 1960-2011

Year	Persian Gulf ²	Selected OPEC ¹ Countries					Selected Non-OPEC ¹ Countries					Total Net Imports	Total Net Imports as Share of Consumption ⁵	Net Imports From OPEC ¹	
		Algeria	Nigeria	Saudi Arabia ³	Venezuela	Total OPEC ⁴	Canada	Mexico	United Kingdom	U.S. Virgin Islands and Puerto Rico	Total Non-OPEC ⁴			Share of Total Net Imports ⁶	Share of Consumption ⁷
Thousand Barrels per Day													Percent		
1960	NA	(⁸)	(⁹)	84	910	1,232	86	-2	-12	34	381	1,613	16.5	76.4	12.6
1965	NA	(⁸)	(⁹)	158	994	1,438	297	21	-11	45	843	2,281	19.8	63.0	12.5
1970	NA	8	(⁹)	30	989	1,294	736	9	-1	270	1,867	3,161	21.5	40.9	8.8
1971	NA	15	102	128	1,019	1,671	831	-14	1	365	2,030	3,701	24.3	45.1	11.0
1972	NA	92	251	189	959	2,044	1,082	-20	-1	428	2,475	4,519	27.6	45.2	12.5
1973	NA	136	459	485	1,134	2,991	1,294	-28	6	426	3,034	6,025	34.8	49.6	17.3
1974	NA	190	713	461	978	3,254	1,038	-27	1	475	2,638	5,892	35.4	55.2	19.5
1975	NA	282	762	714	702	3,599	824	29	7	484	2,248	5,846	35.8	61.6	22.1
1976	NA	432	1,025	1,229	699	5,063	571	53	19	488	2,027	7,090	40.6	71.4	29.0
1977	NA	559	1,143	1,379	689	6,190	446	155	117	560	2,375	8,565	46.5	72.3	33.6
1978	NA	649	919	1,142	644	5,747	359	291	173	436	2,255	8,002	42.5	71.8	30.5
1979	NA	636	1,080	1,354	688	5,633	438	418	196	353	2,352	7,985	43.1	70.5	30.4
1980	NA	488	857	1,259	478	4,293	347	506	169	256	2,071	6,365	37.3	67.5	25.2
1981	1,215	311	620	1,128	403	3,315	358	497	370	169	2,086	5,401	33.6	61.4	20.6
1982	692	170	512	551	409	2,136	397	632	442	154	2,163	4,298	28.1	49.7	14.0
1983	439	240	299	336	420	1,843	471	802	374	178	2,469	4,312	28.3	42.7	12.1
1984	502	323	215	324	544	2,037	547	714	388	184	2,679	4,715	30.0	43.2	13.0
1985	309	187	293	167	602	1,821	696	755	295	114	2,465	4,286	27.3	42.5	11.6
1986	909	271	440	685	788	2,828	721	642	342	152	2,611	5,439	33.4	52.0	17.4
1987	1,074	295	535	751	801	3,055	765	585	346	158	2,859	5,914	35.5	51.7	18.3
1988	1,529	300	618	1,064	790	3,513	916	677	306	117	3,074	6,587	38.1	53.3	20.3
1989	1,858	269	815	1,224	861	4,124	839	678	206	212	3,078	7,202	41.6	57.3	23.8
1990	1,962	280	800	1,339	1,016	4,285	843	666	179	213	2,876	7,161	42.2	59.8	25.2
1991	1,833	253	703	1,796	1,020	4,065	963	707	125	153	2,561	6,626	39.6	61.3	24.3
1992	1,773	196	680	1,720	1,161	4,071	1,005	706	219	180	2,867	6,938	40.7	58.7	23.9
1993	1,774	219	736	1,413	1,296	4,253	1,109	809	340	175	3,365	7,618	44.2	55.8	24.7
1994	1,723	243	637	1,402	1,322	4,233	1,194	860	448	246	3,822	8,054	45.5	52.6	23.9
1995	1,563	234	626	1,343	1,468	3,980	1,260	943	369	170	3,906	7,886	44.5	50.5	22.5
1996	1,596	256	616	1,362	1,667	4,193	1,330	1,101	299	262	4,305	8,498	46.4	49.3	22.9
1997	1,747	285	693	1,407	1,758	4,542	1,444	1,178	214	298	4,616	9,158	49.2	49.6	24.4
1998	2,132	290	693	1,491	1,700	4,880	1,451	1,116	239	305	4,884	9,764	51.6	50.0	25.8
1999	2,459	259	655	1,478	1,480	4,934	1,421	1,063	356	284	4,978	9,912	50.8	49.8	25.3
2000	2,483	225	896	1,571	1,530	5,181	1,697	1,015	356	297	5,238	10,419	52.9	49.7	26.3
2001	2,758	278	884	1,662	1,540	5,510	1,717	1,166	311	268	5,390	10,900	55.5	50.5	28.0
2002	2,265	264	620	1,551	1,387	4,589	1,864	1,292	467	224	5,958	10,546	53.4	43.5	23.2
2003	2,497	381	866	1,774	1,364	5,144	1,932	1,395	434	279	6,094	11,238	56.1	45.8	25.7
2004	2,489	452	1,139	1,557	1,548	5,688	1,980	1,456	366	321	6,409	12,097	58.4	47.0	27.4
2005	2,330	478	1,165	1,536	1,515	5,567	2,001	1,394	375	317	6,982	12,549	60.3	44.4	26.8
2006	2,208	657	1,111	1,462	1,392	5,480	2,194	1,450	244	318	6,910	12,390	59.9	44.2	26.5
2007	2,159	663	1,133	1,483	1,339	5,946	2,266	1,254	268	336	6,090	12,036	58.2	49.4	28.8
2008	2,368	548	982	1,529	1,162	5,899	2,229	969	219	307	5,214	11,114	57.0	53.1	30.3
2009	1,678	490	798	1,003	1,037	4,675	2,257	888	212	257	4,991	9,667	51.5	48.4	24.9
2010	^R 1,705	^R 510	^R 1,006	^R 1,096	^R 968	^R 4,787	^R 2,302	^R 837	^R 237	^R 236	^R 4,653	^R 9,441	^R 49.2	^R 50.7	^R 25.0
2011 ^P	1,843	354	802	1,193	912	4,408	2,411	636	124	171	4,028	8,436	44.8	52.2	23.4

¹ See "Organization of the Petroleum Exporting Countries (OPEC)" in Glossary.

² Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, United Arab Emirates, and the Neutral Zone (between Kuwait and Saudi Arabia).

³ Through 1970, includes half the imports from the Neutral Zone. Beginning in 1971, includes imports from the Neutral Zone that are reported to U.S. Customs as originating in Saudi Arabia.

⁴ On this table, "Total OPEC" for all years includes Iran, Iraq, Kuwait, Saudi Arabia, Venezuela, and the Neutral Zone (between Kuwait and Saudi Arabia); beginning in 1961, also includes Qatar; beginning in 1962, also includes Libya; for 1962–2008, also includes Indonesia; beginning in 1967, also includes United Arab Emirates; beginning in 1969, also includes Algeria; beginning in 1971, also includes Nigeria; for 1973–1992 and beginning in 2008, also includes Ecuador (although Ecuador rejoined OPEC in November 2007, on this table Ecuador is included in "Total Non-OPEC" for 2007); for 1975–1994, also includes Gabon; and beginning in 2007, also includes Angola. Data for all countries not included in "Total OPEC" are included in "Total Non-OPEC."

⁵ Calculated by dividing total net petroleum imports by total U.S. petroleum products supplied (consumption).

⁶ Calculated by dividing net petroleum imports from OPEC countries by total net petroleum imports.

⁷ Calculated by dividing net petroleum imports from OPEC countries by total U.S. petroleum product

supplied (consumption).

⁸ Algeria joined OPEC in 1969. For 1960–1968, Algeria is included in "Total Non-OPEC."

⁹ Nigeria joined OPEC in 1971. For 1960–1970, Nigeria is included in "Total Non-OPEC."

R=Revised, P=Preliminary, NA=Not available.

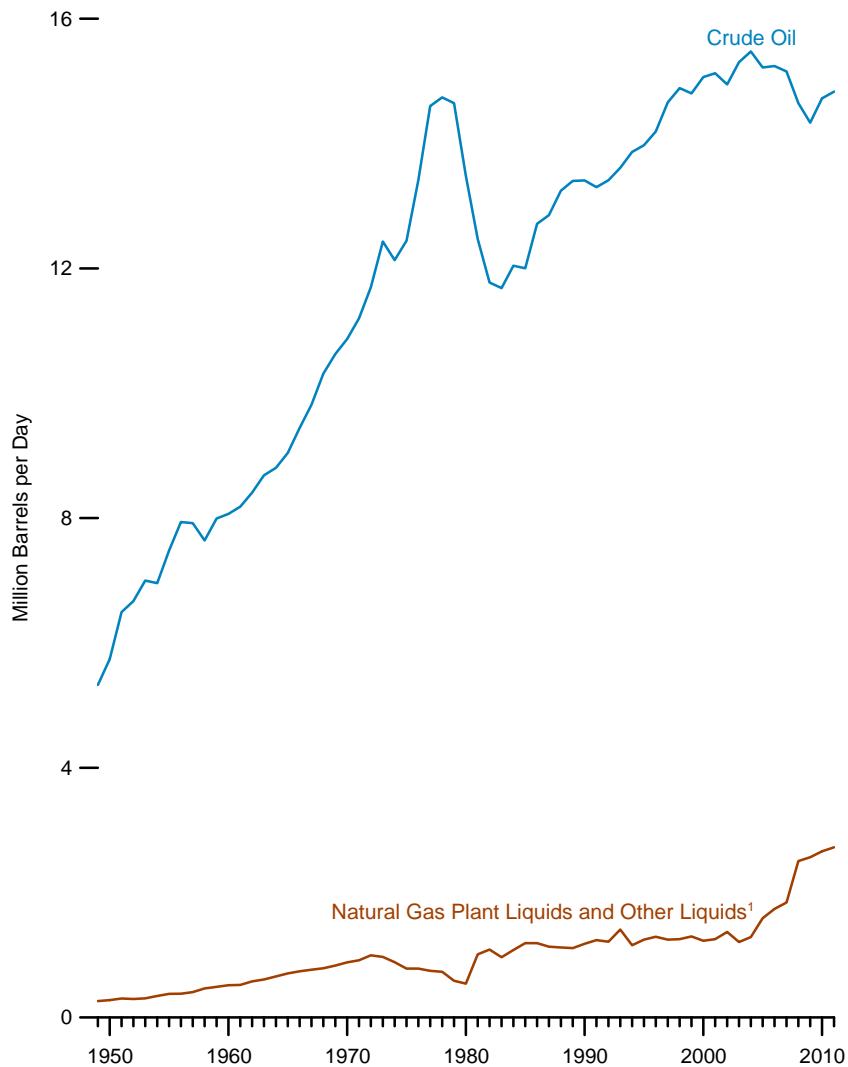
Notes: • The country of origin for refined petroleum products may not be the country of origin for the crude oil from which the refined products were produced. For example, refined products imported from refineries in the Caribbean may have been produced from Middle East crude oil. • Net imports equal imports minus exports. Minus sign indicates exports are greater than imports. • Data include any imports for the Strategic Petroleum Reserve, which began in 1977. • Totals may not equal sum of components due to independent rounding.

Web Pages: • See <http://www.eia.gov/totalenergy/data/annual/#petroleum> for all data beginning in 1960. • For related information, see <http://www.eia.gov/petroleum/>.

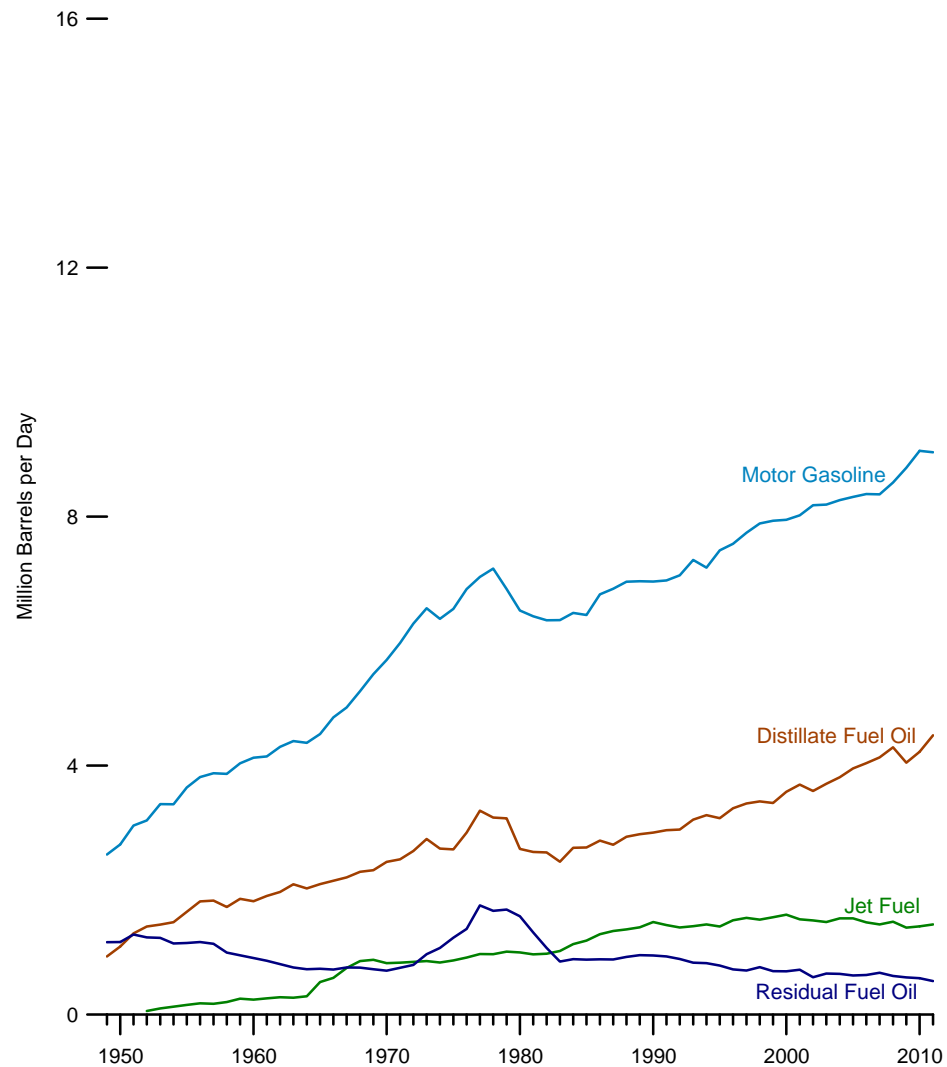
Sources: • 1960–1975—Bureau of Mines, *Minerals Yearbook*, "Crude Petroleum and Petroleum Products" chapter. • 1976–1980—U.S. Energy Information Administration (EIA), *Energy Data Reports, P.A.D. Districts Supply/Demand, Annual*, annual reports. • 1981–2010—EIA, *Petroleum Supply Annual*, annual reports. • 2011—EIA, *Petroleum Supply Monthly* (February 2012).

Figure 5.8 Refinery and Blender Net Inputs and Net Production, 1949-2011

Refinery and Blender Net Inputs



Refinery and Blender Net Production of Selected Products



¹ See Table 5.8, footnote 4.

Source: Table 5.8.

Table 5.8 Refinery and Blender Net Inputs and Net Production, Selected Years, 1949-2011

(Thousand Barrels per Day)

Year	Refinery and Blender Net Inputs ¹				Refinery and Blender Net Production ²										Processing Gain
	Crude Oil ³	Natural Gas Plant Liquids	Other Liquids ⁴	Total	Asphalt and Road Oil	Distillate Fuel Oil	Jet Fuel ⁵	Liquefied Petroleum Gases	Motor Gasoline ⁶	Petroleum Coke	Residual Fuel Oil	Still Gas	Other Products ⁷	Total	
1949	5,327	234	28	5,588	155	934	(⁵)	64	2,572	46	1,164	226	425	5,587	-2
1950	5,739	259	19	6,018	179	1,093	(⁵)	80	2,735	47	1,165	229	492	6,019	2
1955	7,480	345	32	7,857	251	1,651	155	119	3,648	78	1,152	319	518	7,891	34
1960	8,067	455	61	8,583	286	1,823	241	212	4,126	164	908	354	616	8,729	146
1965	9,043	618	88	9,750	357	2,096	523	293	4,507	236	736	395	827	9,970	220
1970	10,870	763	121	11,754	428	2,454	827	345	5,699	296	706	483	876	12,113	359
1975	12,442	710	72	13,225	408	2,653	871	311	6,518	354	1,235	523	811	13,685	460
1976	13,416	725	59	14,200	391	2,924	918	340	6,838	356	1,377	541	993	14,677	477
1977	14,602	673	74	15,349	431	3,277	973	352	7,031	369	1,754	572	1,114	15,874	524
1978	14,739	639	92	15,470	482	3,167	970	355	7,167	369	1,667	603	1,186	15,966	496
1979	14,648	510	78	15,236	467	3,152	1,012	340	6,837	376	1,687	598	1,296	15,763	527
1980	13,481	462	81	14,025	393	2,661	999	330	6,492	370	1,580	581	1,215	14,622	597
1981	12,470	524	488	13,482	340	2,613	968	315	6,400	390	1,321	565	1,078	13,990	508
1982	11,774	515	572	12,861	329	2,606	978	270	6,336	410	1,070	554	839	13,391	531
1983	11,685	460	505	12,650	372	2,456	1,022	328	6,338	420	852	550	801	13,138	488
1984	12,044	500	581	13,126	386	2,680	1,132	363	6,453	439	891	559	776	13,679	553
1985	12,002	509	681	13,192	401	2,686	1,189	391	6,419	455	882	584	743	13,750	557
1986	12,716	479	711	13,906	410	2,796	1,293	417	6,752	506	889	641	818	14,522	616
1987	12,854	466	667	13,987	434	2,729	1,343	449	6,841	512	885	643	791	14,626	639
1988	13,246	511	610	14,367	443	2,857	1,370	499	6,956	544	926	670	758	15,022	655
1989	13,401	499	613	14,513	424	2,899	1,403	554	6,963	542	954	681	755	15,175	661
1990	13,409	467	713	14,589	449	2,925	1,488	499	6,959	552	950	673	778	15,272	683
1991	13,301	472	768	14,541	430	2,962	1,438	536	6,975	568	934	651	761	15,256	715
1992	13,411	469	745	14,626	419	2,974	1,399	607	7,058	596	892	659	796	15,398	772
1993	13,613	491	917	15,021	451	3,132	1,422	592	7,304	619	835	653	780	15,787	766
1994	13,866	465	691	15,023	451	3,205	1,448	611	7,181	622	826	657	790	15,791	768
1995	13,973	471	775	15,220	467	3,155	1,416	654	7,459	630	788	647	778	15,994	774
1996	14,195	450	843	15,487	459	3,316	1,515	662	7,565	664	726	654	764	16,324	837
1997	14,662	416	832	15,909	485	3,392	1,554	691	7,743	689	708	661	836	16,759	850
1998	14,889	403	853	16,144	498	3,424	1,526	674	7,892	712	762	656	886	17,030	886
1999	14,804	372	927	16,103	505	3,399	1,565	684	7,934	713	698	656	835	16,989	886
2000	15,067	380	849	16,295	525	3,580	1,606	705	7,951	727	696	659	793	17,243	948
2001	15,128	429	825	16,382	485	3,695	1,530	667	8,022	767	721	670	729	17,285	903
2002	14,947	429	941	16,316	492	3,592	1,514	671	8,183	781	601	667	771	17,273	957
2003	15,304	419	791	16,513	496	3,707	1,488	658	8,194	798	660	702	784	17,487	974
2004	15,475	422	866	16,762	508	3,814	1,547	645	8,265	836	655	704	838	17,814	1,051
2005	15,220	441	1,149	16,811	512	3,954	1,546	573	8,318	835	628	684	752	17,800	989
2006	15,242	501	1,238	16,981	506	4,040	1,481	627	8,364	848	635	709	764	17,975	994
2007	15,156	505	1,337	16,999	456	4,133	1,448	655	8,358	823	673	697	752	17,994	996
2008	14,648	485	2,019	17,153	410	4,294	1,493	630	8,548	818	620	670	664	18,146	993
2009	14,336	485	2,082	16,904	359	4,048	1,396	623	8,786	799	598	664	608	17,882	979
2010	^R 14,724	^R 442	^R 2,219	^R 17,385	378	^R 4,223	1,418	^R 659	^R 9,059	812	^R 585	^R 672	647	^R 18,452	^R 1,068
2011 ^P	14,833	489	2,237	17,559	364	4,487	1,449	620	9,035	842	538	678	631	18,643	1,085

¹ See "Refinery and Blender Net Inputs" in Glossary.

² See "Refinery and Blender Net Production" in Glossary.

³ Includes lease condensate.

⁴ Unfinished oils (net), other hydrocarbons, and hydrogen. Beginning in 1981, also includes aviation and motor gasoline blending components (net). Beginning in 1993, also includes oxygenates (net).

⁵ Through 1951, naphtha-type jet fuel is included in the products from which it was blended: in 1952, 71 percent gasoline, 17 percent kerosene, and 12 percent distillate fuel oil. Through 1964, kerosene-type jet fuel is included with kerosene in "Other Products." Beginning in 2005, naphtha-type jet fuel is included in "Other Products."

⁶ Finished motor gasoline. Through 1963, also includes aviation gasoline and special naphthas. Beginning in 1993, also includes ethanol blended into motor gasoline.

⁷ Kerosene, lubricants, petrochemical feedstocks, waxes, and miscellaneous products. Through 1964,

also includes kerosene-type jet fuel. Beginning in 1964, also includes aviation gasoline and special naphthas. Beginning in 2005, also includes naphtha-type jet fuel.

R=Revised. P=Preliminary.

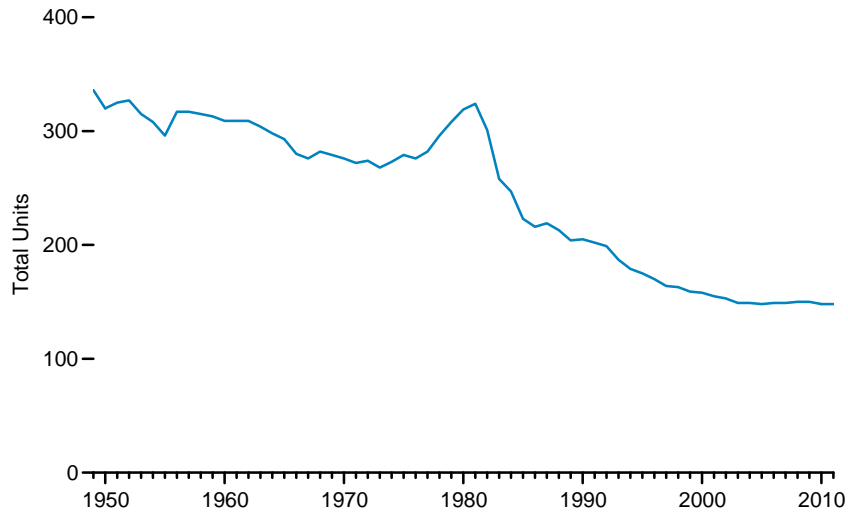
Note: Totals may not equal sum of components due to independent rounding.

Web Pages: • See <http://www.eia.gov/totalenergy/data/monthly/#petroleum> for updated monthly and annual data. • See <http://www.eia.gov/totalenergy/data/annual/#petroleum> for all annual data beginning in 1949. • See <http://www.eia.gov/petroleum/> for related information.

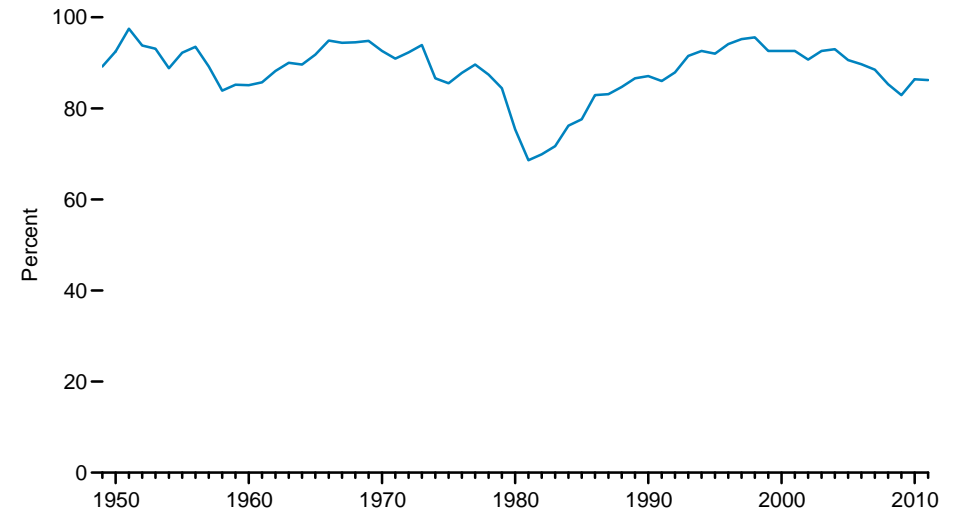
Sources: • 1949-1975—Bureau of Mines, Mineral Industry Surveys, *Petroleum Statement, Annual, annual reports*. • 1976-1980—U.S. Energy Information Administration (EIA), *Energy Data Reports, Petroleum Statement, Annual, annual reports*. • 1981-2010—EIA, *Petroleum Supply Annual, annual reports*. • 2011—EIA, *Petroleum Supply Monthly* (February 2012).

Figure 5.9 Refinery Capacity and Utilization, 1949-2011

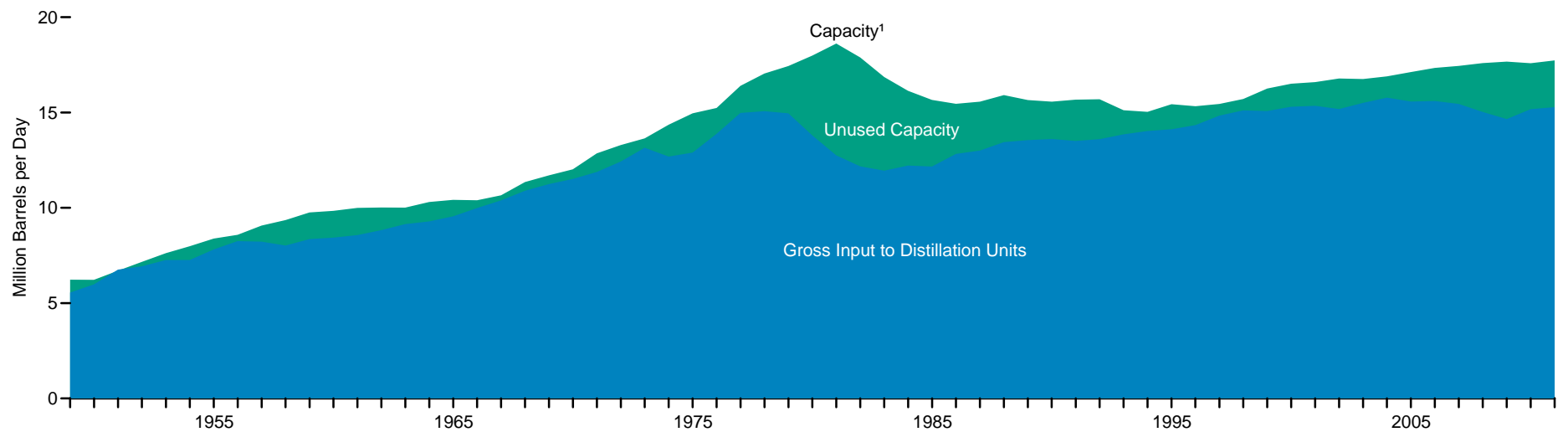
Number of Operable Refineries



Utilization



Capacity



¹ Operable refineries capacity on January 1.

Source: Table 5.9.

Table 5.9 Refinery Capacity and Utilization, Selected Years, 1949-2011

Year	Operable Refineries ¹	Operable Refineries Capacity		Gross Input to Distillation Units ³	Utilization ⁴
		On January 1	Annual Average ²		
	Number	Thousand Barrels per Calendar Day		Thousand Barrels per Day	Percent
1949	336	6,231	NA	5,556	89.2
1950	320	6,223	NA	5,980	92.5
1955	296	8,386	NA	7,820	92.2
1960	309	9,843	NA	8,439	85.1
1965	293	10,420	NA	9,557	91.8
1970	276	12,021	NA	11,517	92.6
1975	279	14,961	NA	12,902	85.5
1976	276	15,237	NA	13,884	87.8
1977	282	16,398	NA	14,982	89.6
1978	296	17,048	NA	15,071	87.4
1979	308	17,441	NA	14,955	84.4
1980	319	17,988	NA	13,796	75.4
1981	324	18,621	18,603	12,752	68.6
1982	301	17,890	17,432	12,172	69.9
1983	258	16,859	16,668	11,947	71.7
1984	247	16,137	16,035	12,216	76.2
1985	223	15,659	15,671	12,165	77.6
1986	216	15,459	15,459	12,826	82.9
1987	219	15,566	15,642	13,003	83.1
1988	213	15,915	15,927	13,447	^R 84.4
1989	204	15,655	15,701	13,551	^R 86.3
1990	205	15,572	15,623	13,610	87.1
1991	202	15,676	15,707	13,508	86.0
1992	199	15,696	15,460	13,600	87.9
1993	187	15,121	15,143	13,851	91.5
1994	179	15,034	15,150	14,032	92.6
1995	175	15,434	15,346	14,119	92.0
1996	170	15,333	15,239	14,337	94.1
1997	164	15,452	15,594	14,838	95.2
1998	163	15,711	15,802	15,113	95.6
1999	159	16,261	16,282	15,080	92.6
2000	158	16,512	16,525	15,299	92.6
2001	155	16,595	16,582	15,352	92.6
2002	153	16,785	16,744	15,180	90.7
2003	149	16,757	16,748	15,508	92.6
2004	149	16,894	16,974	15,783	93.0
2005	148	17,125	17,196	15,578	90.6
2006	149	17,339	17,385	15,602	89.7
2007	149	17,443	17,450	15,450	88.5
2008	150	17,594	17,607	15,027	85.3
2009	150	17,672	17,678	14,659	82.9
2010	148	17,584	^R 17,575	^R 15,177	^R 86.4
2011 ^P	148	17,736	17,726	15,283	86.2

¹ Through 1956, includes only those refineries in operation on January 1; beginning in 1957, includes all "operable" refineries on January 1. See "Operable Refineries" in Glossary.

² Average of monthly capacity data.

³ See Note 3, "Gross Input to Distillation Units," at end of section.

⁴ Through 1980, utilization is calculated by dividing gross input to distillation units by one-half of the sum of the current year's January 1 capacity and the following year's January 1 capacity. Beginning in 1981, utilization is calculated by dividing gross input to distillation units by the annual average capacity.

R=Revised. P=Preliminary. NA=Not available.

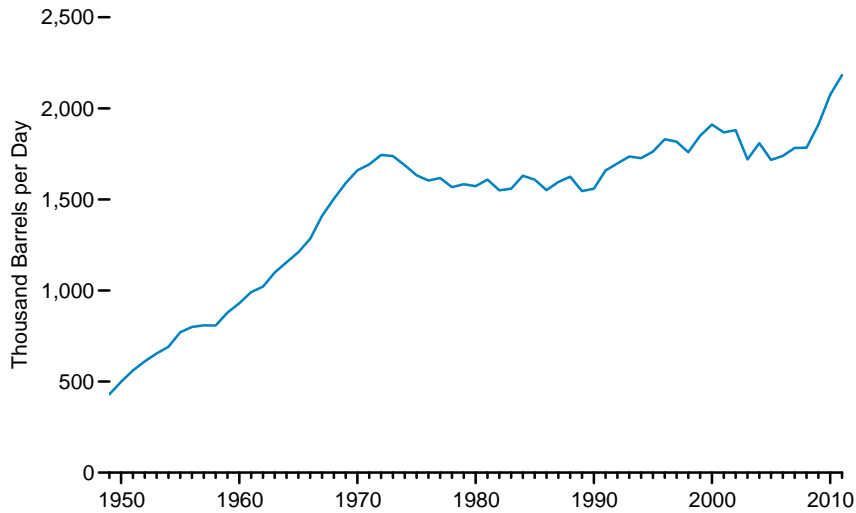
Web Pages: • See <http://www.eia.gov/totalenergy/data/annual/#petroleum> for all data beginning in

1949. • For related information, see <http://www.eia.gov/petroleum/>.

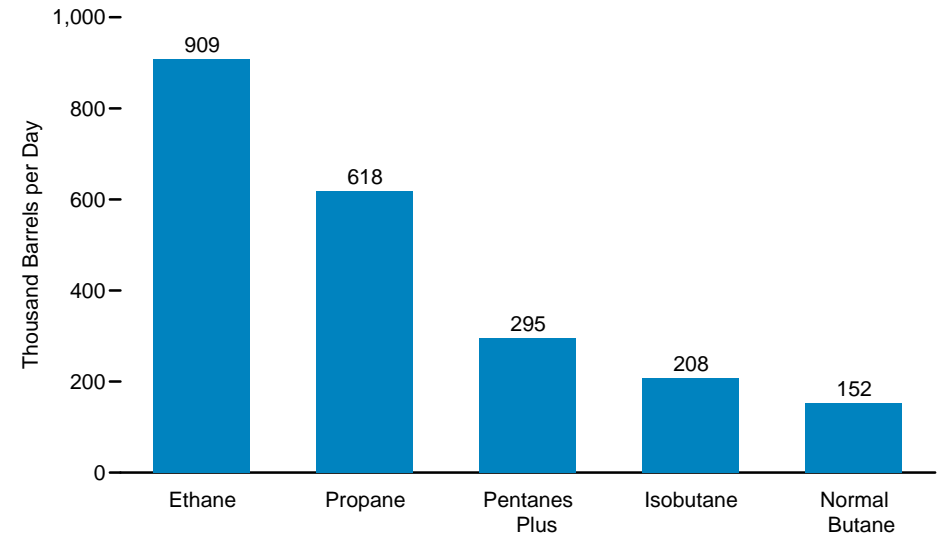
Sources: • 1949-1977—Bureau of Mines, Information Circular, "Petroleum Refineries, Including Cracking Plants in the United States"; *Minerals Yearbook*, "Crude Petroleum and Petroleum Products" and "Natural Gas Liquids" chapters; and Mineral Industry Surveys, *Petroleum Refineries, Annual*, annual reports. • 1978-1980—U.S. Energy Information Administration (EIA), Energy Data Reports, *Petroleum Refineries in the United States*, annual reports. • 1981-2005—EIA, *Petroleum Supply Annual (PSA)*, annual reports; and Form EIA-810, "Monthly Refinery Report." • 2006-2010—EIA, PSA, annual reports; and *Refinery Capacity Report*, annual reports. • 2011—EIA, *Refinery Capacity Report* (June 2011), Table 1; and *Petroleum Supply Monthly* (January-December 2011 issues), Table 30.

Figure 5.10 Natural Gas Plant Liquids Production

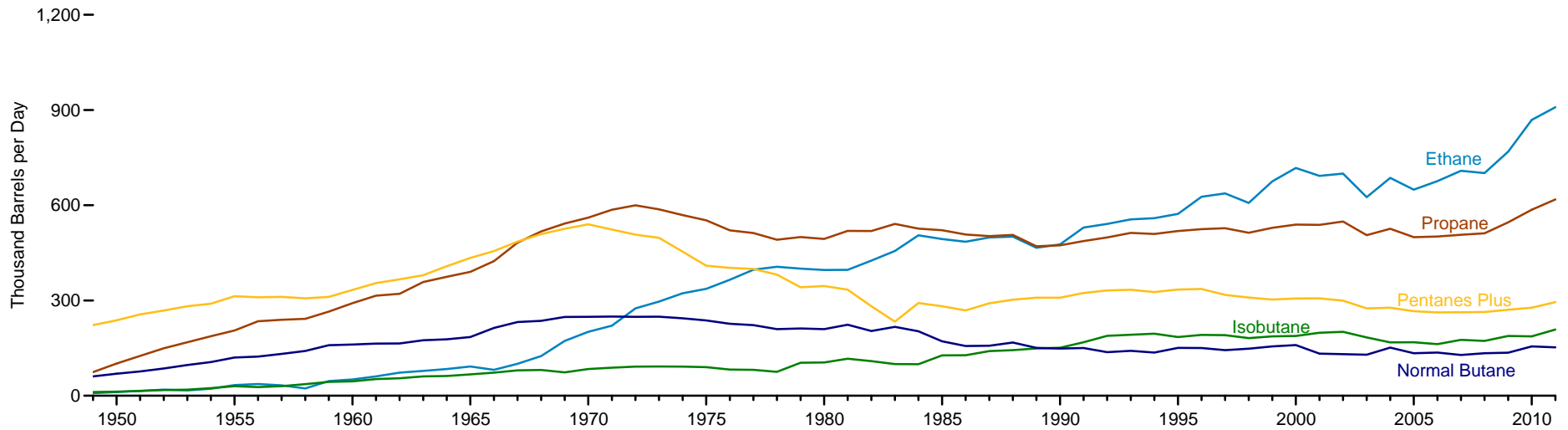
Total, 1949-2011



By Product, 2011



By Selected Product, 1949-2011



Source: Table 5.10.

Table 5.10 Natural Gas Plant Liquids Production, Selected Years, 1949-2011
(Thousand Barrels per Day)

Year	Finished Petroleum Products ¹	Liquefied Petroleum Gases					Pentanes Plus ⁴	Total
		Ethane ²	Isobutane	Normal Butane ³	Propane ^{2,3}	Total		
1949	53	8	11	61	74	155	223	430
1950	66	12	13	69	101	195	238	499
1955	68	34	30	120	205	390	313	771
1960	47	51	45	161	291	549	333	929
1965	41	92	67	185	390	734	434	1,210
1970	25	201	84	248	561	1,095	540	1,660
1975	7	337	90	237	552	1,217	409	1,633
1976	6	365	82	227	521	1,195	403	1,604
1977	5	397	81	223	513	1,214	399	1,618
1978	3	406	75	210	491	1,182	382	1,567
1979	26	400	104	212	500	1,216	342	1,584
1980	23	396	105	210	494	1,205	345	1,573
1981	18	397	117	224	519	1,256	334	1,609
1982	11	426	109	204	519	1,258	282	1,550
1983	12	456	100	217	541	1,314	233	1,559
1984	4	505	99	203	527	1,334	292	1,630
1985	14	493	127	171	521	1,313	282	1,609
1986	4	485	128	157	508	1,277	269	1,551
1987	4	499	141	157	503	1,300	291	1,595
1988	4	501	144	167	506	1,319	302	1,625
1989	NA	466	149	151	471	1,237	309	1,546
1990	NA	477	151	149	474	1,250	309	1,559
1991	NA	530	169	150	487	1,336	324	1,659
1992	NA	541	189	137	499	1,365	332	1,697
1993	NA	556	192	142	513	1,402	334	1,736
1994	NA	559	195	136	510	1,400	326	1,727
1995	NA	573	185	151	519	1,428	335	1,762
1996	NA	627	192	150	525	1,494	336	1,830
1997	NA	637	191	144	528	1,499	318	1,817
1998	NA	607	181	148	513	1,450	309	1,759
1999	NA	675	187	155	529	1,547	303	1,850
2000	NA	717	188	160	539	1,605	306	1,911
2001	NA	692	198	133	538	1,562	307	1,868
2002	NA	700	201	131	549	1,581	300	1,880
2003	NA	625	183	129	506	1,444	275	1,719
2004	NA	686	168	152	526	1,532	277	1,809
2005	NA	649	168	134	499	1,451	266	1,717
2006	NA	676	163	136	501	1,476	263	1,739
2007	NA	709	176	128	507	1,520	263	1,783
2008	NA	701	173	134	512	1,520	264	1,784
2009	NA	769	188	136	546	1,639	271	1,910
2010	NA	^R 869	^R 187	^R 155	^R 586	^R 1,797	^R 277	^R 2,074
2011 ^P	NA	909	208	152	618	1,888	295	2,183

¹ Motor gasoline, aviation gasoline, special naphthas, distillate fuel oil, and miscellaneous products.

² Reported production of ethane-propane mixtures has been allocated 70 percent ethane and 30 percent propane.

³ Reported production of butane-propane mixtures has been allocated 60 percent butane and 40 percent propane.

⁴ Through 1983, "Pentanes Plus" was reported separately as natural gasoline, isopentane, and plant condensate.

R=Revised. P=Preliminary. NA=Not available.

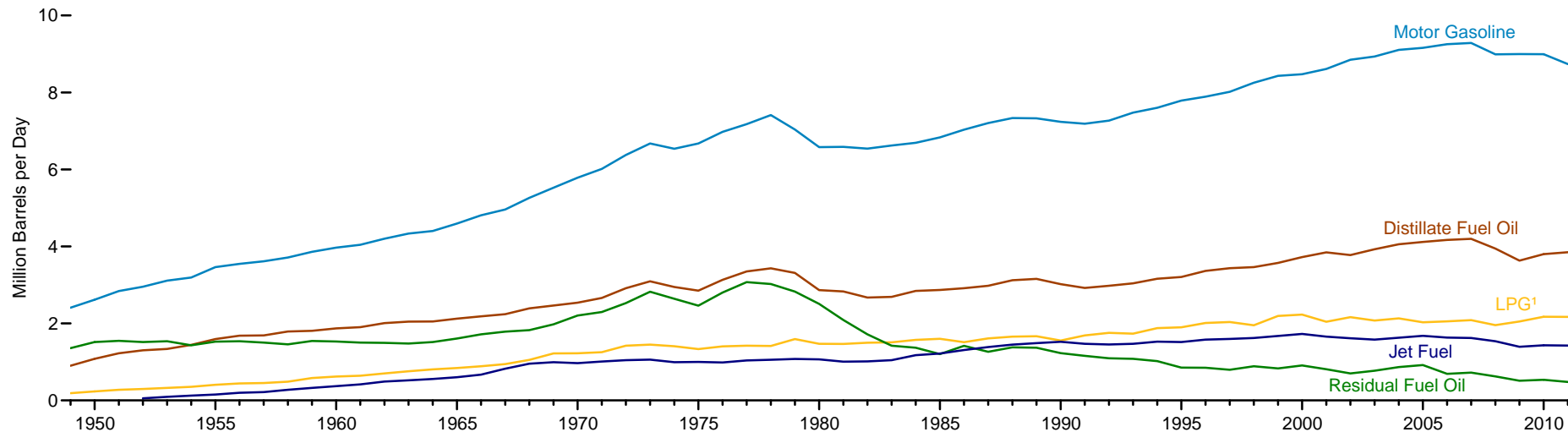
Note: Totals may not equal sum of components due to independent rounding.

Web Pages: • See <http://www.eia.gov/totalenergy/data/annual/#petroleum> for all data beginning in 1949. • For related information, see <http://www.eia.gov/petroleum/>.

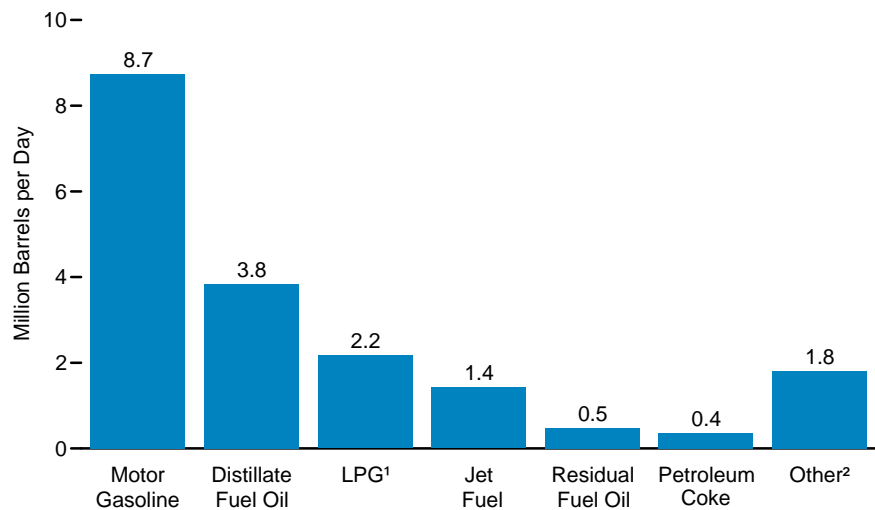
Sources: • 1949-1968—Bureau of Mines, *Minerals Yearbook*, "Crude Petroleum and Petroleum Products" chapter. • 1969-1975—Bureau of Mines, Mineral Industry Surveys, *Petroleum Statement, Annual*, annual reports. • 1976-1980—U.S. Energy Information Administration (EIA), *Energy Data Reports, Petroleum Statement, Annual*, annual reports. • 1981-2010—EIA, *Petroleum Supply Annual*, annual reports. • 2011—EIA, *Petroleum Supply Monthly* (February 2012).

Figure 5.11 Petroleum Products Supplied by Type

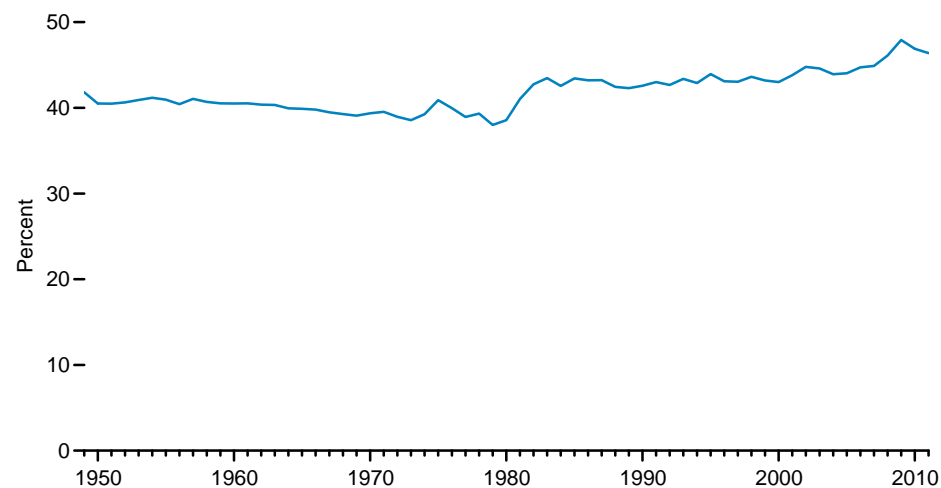
By Selected Product, 1949-2011



By Product, 2011



Motor Gasoline's Share of Total Petroleum Products Supplied, 1949-2011



¹ Liquefied petroleum gases.

² Asphalt and road oil, aviation gasoline, kerosene, lubricants, naphtha-type jet fuel, pentanes plus, petrochemical feedstocks, special naphthas, still gas (refinery gas), waxes, miscellaneous products, and crude oil burned as fuel.

Source: 5.11.

Table 5.11 Petroleum Products Supplied by Type, Selected Years, 1949-2011
(Thousand Barrels per Day)

Year	Asphalt and Road Oil	Aviation Gasoline	Distillate Fuel Oil ¹	Jet Fuel ²	Kerosene	Liquefied Petroleum Gases		Lubricants	Motor Gasoline ⁴	Petroleum Coke	Residual Fuel Oil	Other ⁵	Total	Percentage Change From Previous Year ⁶
						Propane ³	Total							
1949	157	93	902	(²)	281	NA	187	91	2,410	40	1,359	243	5,763	--
1950	180	108	1,082	(²)	323	NA	234	106	2,616	41	1,517	250	6,458	12.1
1955	254	192	1,592	154	320	NA	404	116	3,463	67	1,526	366	8,455	9.0
1960	302	161	1,872	371	271	NA	621	117	3,969	149	1,529	435	9,797	3.1
1965	368	120	2,126	602	267	NA	841	129	4,593	202	1,608	657	11,512	4.2
1970	447	55	2,540	967	263	776	1,224	136	5,785	212	2,204	866	14,697	4.0
1975	419	39	2,851	1,001	159	783	1,333	137	6,675	247	2,462	1,001	16,322	-2.0
1976	411	37	3,133	987	169	830	1,404	152	6,978	243	2,801	1,145	17,461	7.3
1977	436	38	3,352	1,039	175	821	1,422	160	7,177	268	3,071	1,294	18,431	5.3
1978	479	39	3,432	1,057	175	778	1,413	172	7,412	256	3,023	1,391	18,847	2.3
1979	476	38	3,311	1,076	188	849	1,592	180	7,034	246	2,826	1,546	18,513	-1.8
1980	396	35	2,866	1,068	158	754	1,469	159	6,579	237	2,508	1,581	17,056	-7.6
1981	342	31	2,829	1,007	127	773	1,466	153	6,588	252	2,088	1,176	16,058	-6.1
1982	342	25	2,671	1,013	129	798	1,499	140	6,539	248	1,716	973	15,296	-4.7
1983	373	26	2,690	1,046	127	751	1,509	146	6,622	229	1,421	1,042	15,231	-4
1984	408	24	2,845	1,175	115	833	1,572	156	6,693	247	1,369	1,120	15,726	3.5
1985	425	27	2,868	1,218	114	883	1,599	145	6,831	264	1,202	1,032	15,726	-3
1986	448	32	2,914	1,307	98	831	1,512	142	7,034	268	1,418	1,105	16,281	3.5
1987	467	25	2,976	1,385	95	924	1,612	161	7,206	299	1,264	1,176	16,665	2.4
1988	468	27	3,122	1,449	96	923	1,656	155	7,336	312	1,378	1,286	17,283	4.0
1989	453	26	3,157	1,489	84	990	1,668	159	7,328	307	1,370	1,284	17,325	(s)
1990	483	24	3,021	1,522	43	917	1,556	164	7,235	339	1,229	1,373	16,988	-1.9
1991	444	23	2,921	1,471	46	982	1,689	146	7,188	328	1,158	1,299	16,714	-1.6
1992	454	22	2,979	1,454	41	1,032	1,755	149	7,268	382	1,094	1,434	17,033	2.2
1993	474	21	3,041	1,469	50	1,006	1,734	152	7,476	366	1,080	1,373	17,237	.9
1994	484	21	3,162	1,527	49	1,082	1,880	159	7,601	361	1,021	1,454	17,718	2.8
1995	486	21	3,207	1,514	54	1,096	1,899	156	7,789	365	852	1,381	17,725	(s)
1996	484	20	3,365	1,578	62	1,136	2,012	151	7,891	379	848	1,518	18,309	3.6
1997	505	22	3,435	1,599	66	1,170	2,038	160	8,017	377	797	1,605	18,620	1.4
1998	521	19	3,461	1,622	78	1,120	1,952	168	8,253	447	887	1,508	18,917	1.6
1999	547	21	3,572	1,673	73	1,246	2,195	169	8,431	477	830	1,532	19,519	3.2
2000	525	20	3,722	1,725	67	1,235	2,231	166	8,472	406	909	1,458	19,701	1.2
2001	519	19	3,847	1,655	72	1,142	2,044	153	8,610	437	811	1,481	19,649	-.5
2002	512	18	3,776	1,614	43	1,248	2,163	151	8,848	463	700	1,474	19,761	.6
2003	503	16	3,927	1,578	55	1,215	2,074	140	8,935	455	772	1,579	20,034	1.4
2004	537	17	4,058	1,630	64	1,276	2,132	141	9,105	524	865	1,657	20,731	3.8
2005	546	19	4,118	1,679	70	1,229	2,030	141	9,159	515	920	1,605	20,802	.1
2006	521	18	4,169	1,633	54	1,215	2,052	137	9,253	522	689	1,640	20,687	-.6
2007	494	17	4,196	1,622	32	1,235	2,085	142	9,286	490	723	1,593	20,680	(s)
2008	417	15	3,945	1,539	14	1,154	1,954	131	8,989	464	622	1,408	19,498	-5.5
2009	360	14	3,631	1,393	18	1,160	2,051	118	8,997	427	511	1,251	18,771	-4.0
2010	362	15	^R 3,800	^R 1,432	20	^R 1,160	^R 2,173	^R 131	^R 8,993	376	^R 535	^R 1,343	^R 19,180	^R 2.2
2011 ^P	355	15	3,849	1,425	12	1,138	2,171	124	8,736	367	480	1,300	18,835	-1.8

¹ Beginning in 2009, includes renewable diesel fuel (including biodiesel) blended into distillate fuel oil.

² Through 1951, naphtha-type jet fuel is included in the products from which it was blended: in 1952, 71 percent gasoline, 17 percent kerosene, and 12 percent distillate fuel oil. Beginning in 1952, includes naphtha-type jet fuel. Beginning in 1957, also includes kerosene-type jet fuel. Beginning in 2005, naphtha-type jet fuel is included in "Other."

³ Includes propylene.

⁴ Finished motor gasoline. Through 1963, also includes special naphthas. Beginning in 1993, also includes ethanol blended into motor gasoline.

⁵ Pentanes plus, petrochemical feedstocks, still gas (refinery gas), waxes, and miscellaneous products. Beginning in 1964, also includes special naphthas. Beginning in 1981, also includes negative barrels per day of distillate and residual fuel oil reclassified as unfinished oils, and other products (from both primary and secondary supply) reclassified as gasoline blending components. Beginning in 1983, also includes crude oil burned as fuel. Beginning in 2005, also includes naphtha-type jet fuel.

⁶ Percent change from previous year calculated from data in thousand barrels per year.

R=Revised. P=Preliminary. NA=Not available. -- =Not applicable. (s)=Less than 0.05 percent and greater than -0.05 percent.

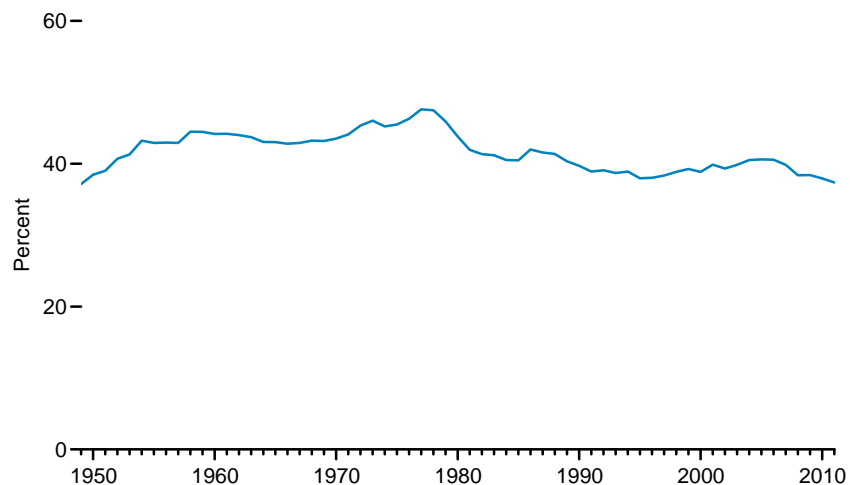
Notes: • For petroleum, product supplied is used as an approximation of petroleum consumption. See Note 1, "Petroleum Products Supplied and Petroleum Consumption," at end of section. • See Note 2, "Changes Affecting Petroleum Production and Product Supplied Statistics," at end of section. • Totals may not equal sum of components due to independent rounding.

Web Pages: • See <http://www.eia.gov/totalenergy/data/monthly/#petroleum> for updated monthly and annual data. • See <http://www.eia.gov/totalenergy/data/annual/#petroleum> for all annual data beginning in 1949. • See <http://www.eia.gov/petroleum/> for related information.

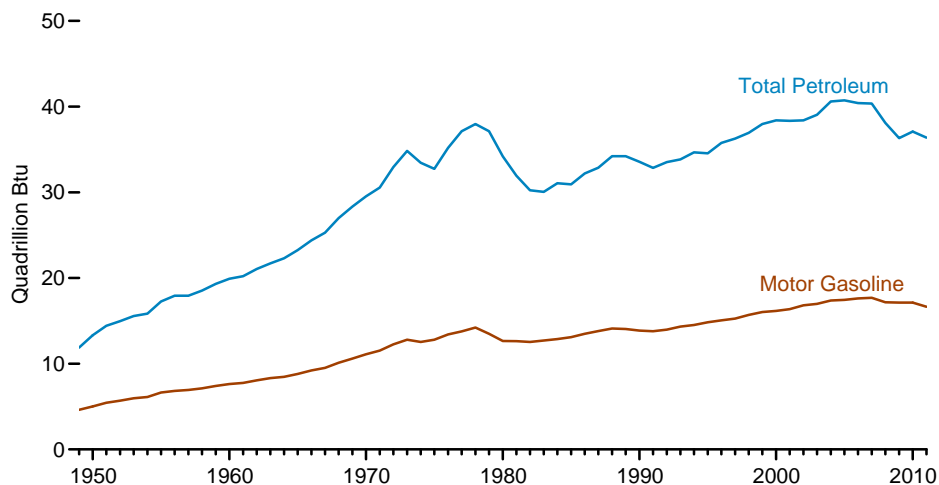
Sources: • 1949-1975—Bureau of Mines, Mineral Industry Surveys, *Petroleum Statement, Annual*, annual reports. • 1976-1980—U.S. Energy Information Administration (EIA), *Energy Data Reports, Petroleum Statement, Annual*, annual reports. • 1981-2010—EIA, *Petroleum Supply Annual*, annual reports. • 2011—EIA, *Petroleum Supply Monthly* (February 2012).

Figure 5.12 Heat Content of Petroleum Products Supplied

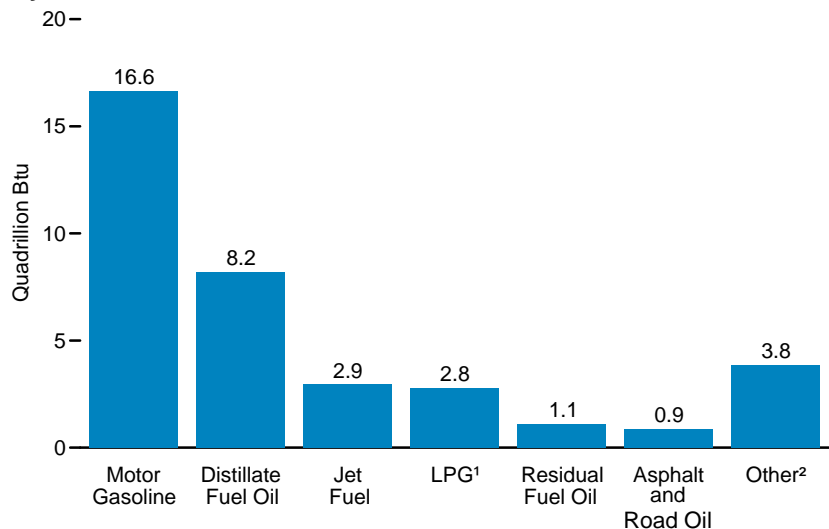
Petroleum Products Supplied as Share of Total Energy Consumption, 1949-2011



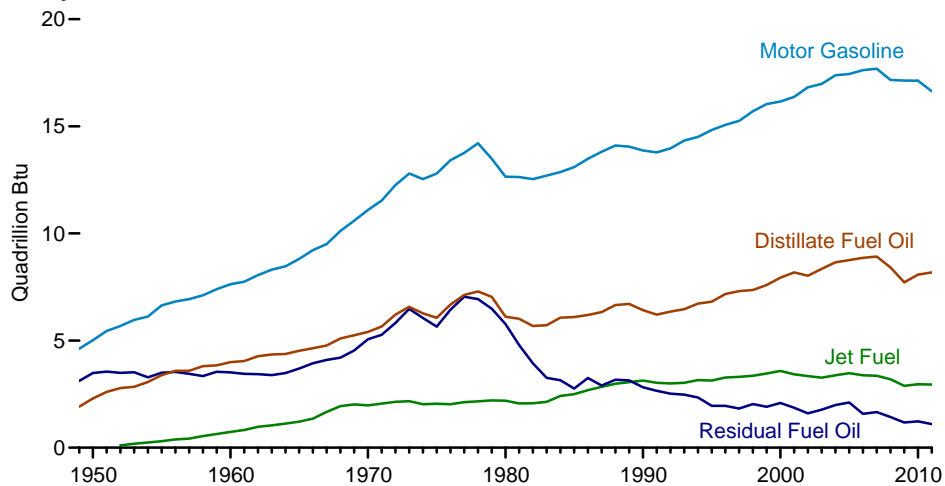
Total Petroleum and Motor Gasoline Product Supplied, 1949-2011



By Product, 2011



By Selected Product, 1949-2011



¹ Liquefied petroleum gases.

² Aviation gasoline, kerosene, lubricants, naphtha-type jet fuel, pentanes plus, petrochemical feedstocks, petroleum coke, special naphthas, still gas (refinery gas), waxes, miscellaneous products, and crude burned as fuel.

Sources: Tables 1.3 and 5.12.

Table 5.12 Heat Content of Petroleum Products Supplied, Selected Years, 1949-2011

(Trillion Btu)

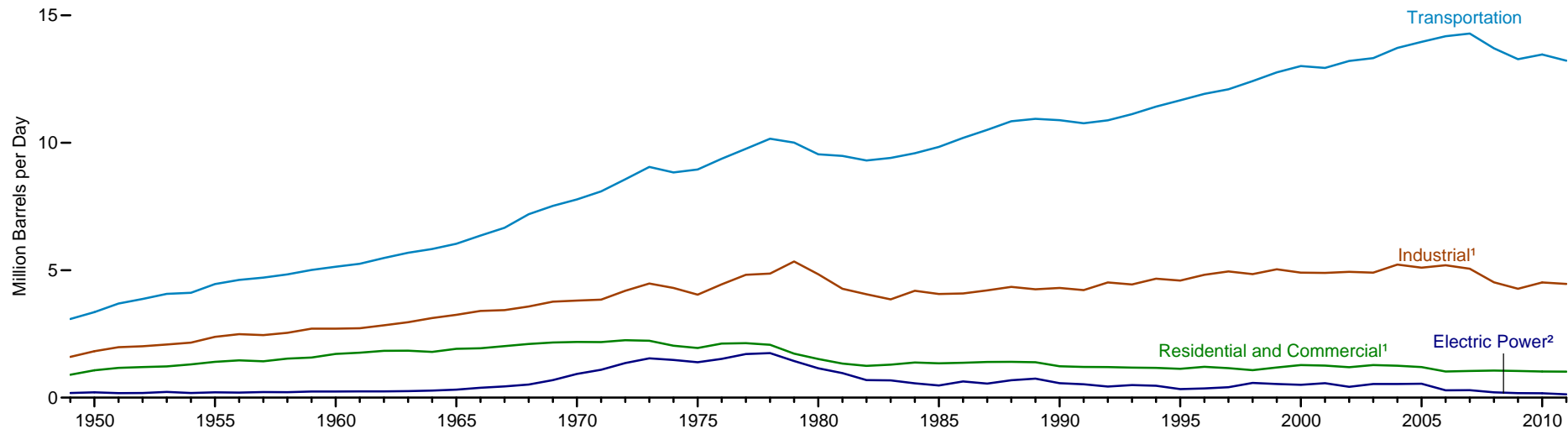
Year	Asphalt and Road Oil	Aviation Gasoline	Distillate Fuel Oil ¹	Jet Fuel ²	Kerosene	Liquefied Petroleum Gases		Lubricants	Motor Gasoline ⁴	Petroleum Coke	Residual Fuel Oil	Other ⁵	Total	Percentage Change From Previous Year
						Propane ³	Total							
1949	380	172	1,918	(²)	582	NA	274	201	4,621	87	3,118	530	11,883	--
1950	435	199	2,300	(²)	668	NA	343	236	5,015	90	3,482	546	13,315	12.1
1955	615	354	3,385	301	662	NA	592	258	6,640	147	3,502	798	17,255	8.9
1960	734	298	3,992	739	563	NA	912	259	7,631	328	3,517	947	19,919	3.1
1965	890	222	4,519	1,215	553	NA	1,232	286	8,806	444	3,691	1,390	23,246	4.2
1970	1,082	100	5,401	1,973	544	1,086	1,689	301	11,091	465	5,057	1,817	29,521	4.2
1975	1,014	71	6,061	2,047	329	1,097	1,807	304	12,798	542	5,649	2,109	32,732	-2.2
1976	998	67	6,679	2,026	351	1,166	1,907	338	13,415	537	6,445	2,413	35,178	7.5
1977	1,056	70	7,126	2,126	363	1,150	1,908	354	13,760	589	7,047	2,724	37,124	5.5
1978	1,160	71	7,296	2,164	363	1,089	1,892	380	14,211	562	6,936	2,928	37,963	2.3
1979	1,153	70	7,039	2,204	389	1,189	2,138	397	13,487	541	6,485	3,217	37,122	-2.2
1980	962	64	6,110	2,190	329	1,059	1,976	354	12,648	522	5,772	3,278	34,205	-7.9
1981	828	56	6,014	2,062	263	1,082	1,949	339	12,631	553	4,791	2,446	31,932	-6.6
1982	829	47	5,679	2,072	266	1,117	1,978	309	12,538	545	3,939	2,030	30,232	-5.3
1983	904	48	5,720	2,141	263	1,051	1,990	324	12,697	503	3,260	2,202	30,052	-6
1984	992	44	6,065	2,414	239	1,170	2,071	346	12,867	545	3,151	2,319	31,053	3.3
1985	1,029	50	6,098	2,497	236	1,236	2,103	322	13,098	582	2,759	2,152	30,925	-4
1986	1,086	59	6,196	2,682	203	1,163	2,010	315	13,487	590	3,255	2,315	32,198	4.1
1987	1,130	46	6,328	2,843	196	1,294	2,152	356	13,816	657	2,901	2,439	32,864	2.1
1988	1,136	49	6,655	2,982	200	1,296	2,213	343	14,105	687	3,170	2,682	34,223	4.1
1989	1,096	48	6,712	3,059	174	1,387	2,243	352	14,050	676	3,144	2,656	34,209	(s)
1990	1,170	45	6,422	3,129	88	1,284	2,059	362	13,872	745	2,820	2,839	33,552	-1.9
1991	1,077	42	6,210	3,025	96	1,374	2,228	324	13,781	722	2,657	2,685	32,846	-2.1
1992	1,102	41	6,351	3,001	86	1,449	2,328	330	13,973	843	2,518	2,951	33,525	2.1
1993	1,149	38	6,466	3,028	103	1,409	2,282	337	14,335	804	2,479	2,822	33,842	.9
1994	1,173	38	6,723	3,154	101	1,515	2,494	352	14,511	793	2,342	2,988	34,670	2.4
1995	1,178	40	6,818	3,132	112	1,534	2,512	346	14,825	802	1,955	2,837	34,556	-3
1996	1,176	37	7,175	3,274	128	1,594	2,660	335	15,064	837	1,952	3,121	35,759	3.5
1997	1,224	40	7,304	3,308	136	1,638	2,690	354	15,254	829	1,828	3,298	36,265	1.4
1998	1,263	35	7,359	3,357	162	1,568	2,575	371	15,701	982	2,036	3,093	36,934	1.8
1999	1,324	39	7,595	3,462	151	1,745	2,897	375	16,036	1,048	1,905	3,129	37,960	2.8
2000	1,276	36	7,935	3,580	140	1,734	2,945	369	16,155	895	2,091	2,979	38,402	1.2
2001	1,257	35	8,179	3,426	150	1,598	2,697	338	16,373	961	1,861	3,056	38,333	-2
2002	1,240	34	8,028	3,340	90	1,747	2,852	334	16,819	1,018	1,605	3,040	38,400	.2
2003	1,220	30	8,349	3,265	113	1,701	2,748	309	16,981	1,000	1,772	3,264	39,051	1.7
2004	1,304	31	8,652	3,383	133	1,791	2,824	313	17,379	1,156	1,990	3,428	40,593	3.9
2005	1,323	35	8,755	3,475	144	1,721	2,682	312	17,444	1,133	2,111	3,318	40,732	.3
2006	1,261	33	8,864	3,379	111	1,701	2,700	303	17,622	1,148	1,581	3,416	40,420	-8
2007	1,197	32	8,921	3,358	67	1,729	2,733	313	17,689	1,077	1,659	3,313	40,358	-2
2008	1,012	28	8,411	3,193	30	1,620	2,574	291	17,168	1,022	1,432	2,941	38,101	-5.6
2009	873	27	7,720	2,883	36	1,624	2,664	262	17,135	938	1,173	2,611	36,321	-4.7
2010	^R 878	27	^R 8,080	^R 2,963	41	^R 1,624	^R 2,821	^R 291	^R 17,127	826	^R 1,228	^R 2,800	^R 37,082	2.1
2011 ^P	860	27	8,184	2,950	25	1,594	2,796	275	16,639	807	1,102	2,712	36,376	-1.9

¹ Beginning in 2009, includes renewable diesel fuel (including biodiesel) blended into distillate fuel oil.
² Through 1951, naphtha-type jet fuel is included in the products from which it was blended: in 1952, 71 percent gasoline, 17 percent kerosene, and 12 percent distillate fuel oil. Beginning in 1952, includes naphtha-type jet fuel. Beginning in 1957, also includes kerosene-type jet fuel. Beginning in 2005, naphtha-type jet fuel is included in "Other."
³ Includes propylene.
⁴ Finished motor gasoline. Through 1963, also includes special naphthas. Beginning in 1993, also includes ethanol blended into motor gasoline.
⁵ Pentanes plus, petrochemical feedstocks, still gas (refinery gas), waxes, and miscellaneous products. Beginning in 1964, also includes special naphthas. Beginning in 1981, also includes negative barrels per day of distillate and residual fuel oil reclassified as unfinished oils, and other products (from both primary and secondary supply) reclassified as gasoline blending components. Beginning in 1983, also includes

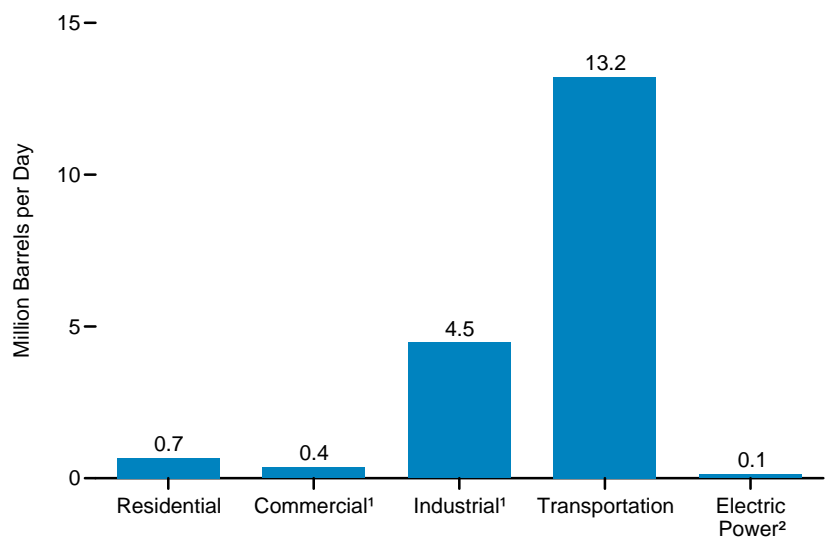
crude oil burned as fuel. Beginning in 2005, also includes naphtha-type jet fuel.
R=Revised. P=Preliminary. NA=Not available. -- =Not applicable. (s)=Less than 0.05 percent and greater than -0.05 percent.
Notes: • For petroleum, product supplied is used as an approximation of petroleum consumption. See Note 1, "Petroleum Products Supplied and Petroleum Consumption," at end of section. • See Note 2, "Changes Affecting Petroleum Production and Product Supplied Statistics," at end of section. • Totals may not equal sum of components due to independent rounding.
Web Pages: • See <http://www.eia.gov/totalenergy/data/monthly/#petroleum> for updated monthly and annual data. • See <http://www.eia.gov/totalenergy/data/annual/#petroleum> for all annual data beginning in 1949. • See <http://www.eia.gov/petroleum/> for related information.
Sources: Tables 5.11, A1, and A3.

Figure 5.13a Petroleum Consumption Estimates by Sector

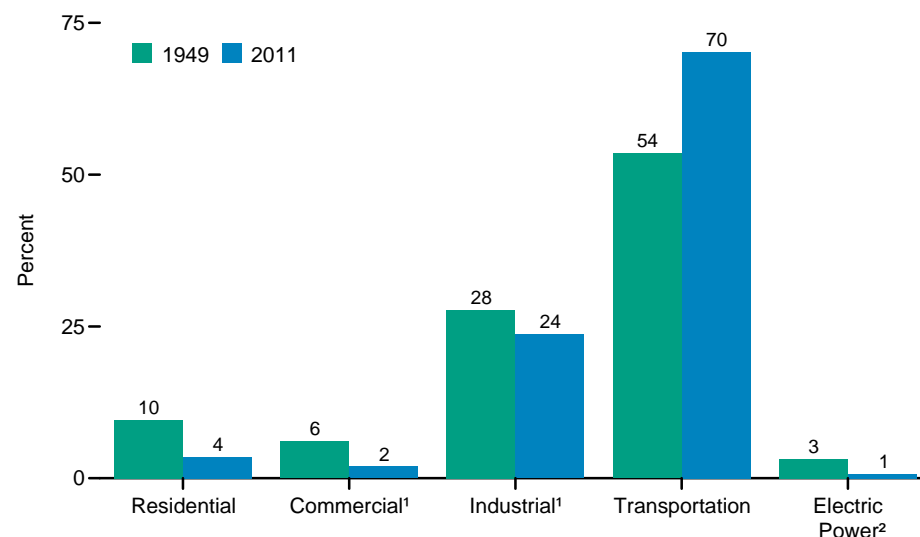
By Sector, 1949-2011



By Sector, 2011



Sector Shares, 1949 and 2011



¹ Includes combined-heat-and-power plants and a small number of electricity-only plants.

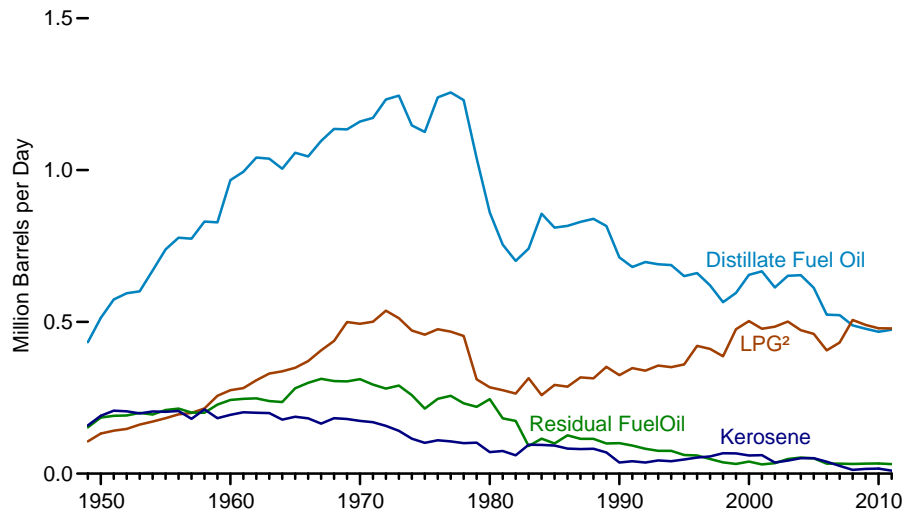
² Electricity-only and combined-heat-and-power plants whose primary business is to sell electricity, or electricity and heat, to the public.

Note: See related Figure 5.13b.

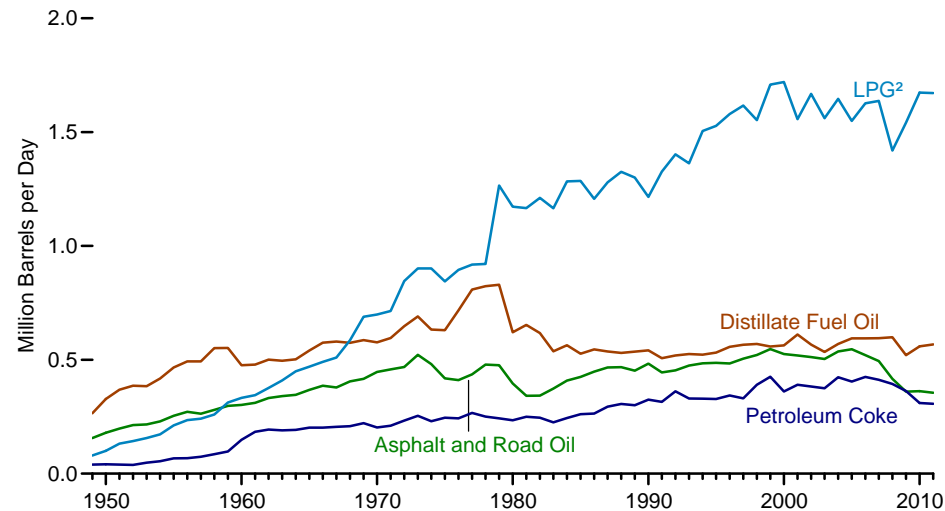
Sources: Tables 5.13a–5.13d.

Figure 5.13b Petroleum Consumption Estimates by Product by Sector, 1949-2011

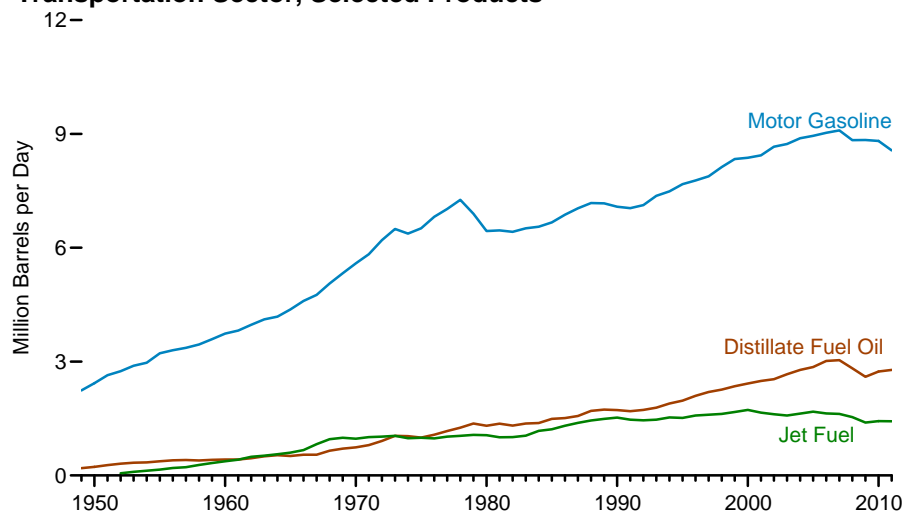
Residential and Commercial¹ Sectors, Selected Products



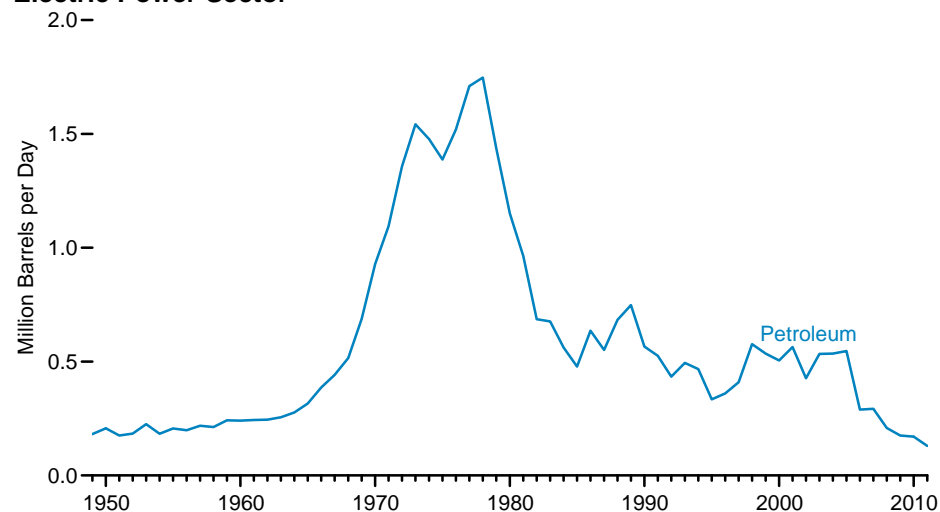
Industrial¹ Sector, Selected Products



Transportation Sector, Selected Products



Electric Power Sector³



¹ Includes combined-heat-and-power plants and a small number of electricity-only plants.

² Liquefied petroleum gases.

³ Electricity-only and combined-heat-and-power plants whose primary business is to sell electricity, or electricity and heat, to the public.

Note: See related Figure 5.13a.

Sources: Tables 5.13a–5.13d.

Table 5.13a Petroleum Consumption Estimates: Residential and Commercial Sectors, Selected Years, 1949-2011
(Thousand Barrels per Day)

Year	Residential Sector				Commercial Sector										
	Distillate Fuel Oil	Kerosene	Liquefied Petroleum Gases	Total	Distillate Fuel Oil			Kerosene	Liquefied Petroleum Gases	Motor Gasoline ³	Petroleum Coke	Residual Fuel Oil			Total
					CHP ¹	Other ²	Total					CHP ¹	Other ²	Total	
1949	329	140	84	553	(⁴)	104	104	19	22	48	NA	(⁴)	153	153	346
1950	390	168	104	662	(⁴)	123	123	23	28	52	NA	(⁴)	185	185	411
1955	562	179	144	885	(⁴)	177	177	24	38	69	NA	(⁴)	209	209	519
1960	736	171	217	1,123	(⁴)	232	232	23	58	35	NA	(⁴)	243	243	590
1965	805	161	275	1,242	(⁴)	251	251	26	74	40	NA	(⁴)	281	281	672
1970	883	144	392	1,419	(⁴)	276	276	30	102	45	NA	(⁴)	311	311	764
1975	850	78	365	1,293	(⁴)	276	276	24	92	46	NA	(⁴)	214	214	653
1976	932	89	379	1,400	(⁴)	308	308	21	97	50	NA	(⁴)	247	247	722
1977	938	81	371	1,390	(⁴)	318	318	25	96	52	NA	(⁴)	256	256	748
1978	917	74	360	1,351	(⁴)	313	313	26	94	56	NA	(⁴)	232	232	721
1979	765	64	243	1,072	(⁴)	274	274	38	68	54	NA	(⁴)	220	220	655
1980	617	51	222	890	(⁴)	243	243	20	63	56	NA	(⁴)	245	245	626
1981	540	41	213	794	(⁴)	215	215	34	62	48	NA	(⁴)	182	182	540
1982	494	46	206	746	(⁴)	207	207	15	58	46	NA	(⁴)	174	174	499
1983	435	41	245	721	(⁴)	306	306	54	69	53	NA	(⁴)	91	91	573
1984	512	77	199	788	(⁴)	345	345	17	59	56	NA	(⁴)	115	115	593
1985	514	77	224	815	(⁴)	297	297	16	68	50	NA	(⁴)	99	99	530
1986	523	59	220	801	(⁴)	293	293	24	66	55	NA	(⁴)	126	126	566
1987	544	57	244	845	(⁴)	286	286	24	72	58	NA	(⁴)	114	114	554
1988	558	69	243	870	(⁴)	281	281	13	71	57	NA	(⁴)	115	115	537
1989	546	57	273	876	3	267	270	13	78	53	0	2	97	99	514
1990	460	31	252	742	3	249	252	6	73	58	0	3	97	100	489
1991	438	35	270	743	2	241	243	6	77	44	0	2	91	92	463
1992	460	31	263	754	1	236	238	5	76	41	(s)	2	80	82	443
1993	458	37	278	773	2	230	232	7	78	15	(s)	2	73	75	407
1994	451	31	274	757	3	233	236	9	77	13	(s)	2	73	75	410
1995	426	36	282	743	2	223	225	11	78	10	(s)	1	61	62	385
1996	434	43	334	811	2	225	227	10	87	14	(s)	1	58	60	397
1997	411	45	325	781	3	206	209	12	86	22	(s)	1	47	48	378
1998	363	52	303	718	2	199	202	15	84	20	(s)	3	35	37	358
1999	389	54	376	819	2	204	206	13	100	15	(s)	2	30	32	366
2000	424	46	395	865	2	228	230	14	107	23	(s)	2	38	40	415
2001	427	46	375	849	3	236	239	15	102	20	(s)	2	28	30	406
2002	404	29	384	817	2	207	209	8	101	24	(s)	1	34	35	376
2003	425	34	389	848	2	225	226	9	112	32	(s)	2	46	48	428
2004	433	41	364	839	3	218	221	10	108	23	(s)	2	51	53	416
2005	402	40	366	809	2	208	210	10	94	24	(s)	2	48	50	389
2006	335	32	318	685	1	188	189	7	88	26	(s)	1	31	33	343
2007	342	21	345	708	1	180	181	4	87	32	(s)	1	32	33	337
2008	314	10	394	718	1	173	174	2	113	24	(s)	1	31	32	345
2009	283	13	391	687	1	194	194	2	99	28	(s)	1	32	33	357
2010	R274	R14	R379	R667	1	R192	R193	2	R100	R29	(s)	(s)	R33	R34	R358
2011 ^P	278	9	378	665	(s)	196	196	1	100	28	(s)	(s)	31	32	357

¹ Commercial combined-heat-and-power (CHP) and a small number of commercial electricity-only plants. See Note 2, "Classification of Power Plants Into Energy-Use Sectors," at end of Section 8.

² All commercial sector fuel use other than that in "CHP."

³ Finished motor gasoline. Through 1963, also includes special naphthas. Beginning in 1993, also includes ethanol blended into motor gasoline.

⁴ Included in "Other."

R=Revised. P=Preliminary. NA=Not available. (s)=Less than 500 barrels per day.

Notes: • For total petroleum consumption by all sectors, see petroleum products supplied data in Table 5.11. For petroleum, product supplied is used as an approximation of petroleum consumption. See Note 1,

"Petroleum Products Supplied and Petroleum Consumption," at end of section. • Totals may not equal sum of components due to independent rounding.

Web Pages: • See <http://www.eia.gov/totalenergy/data/monthly/#petroleum> for updated monthly and annual data. • See <http://www.eia.gov/totalenergy/data/annual/#petroleum> for all annual data beginning in 1949. • See http://www.eia.gov/states/_seds.html for related information.

Sources: **CHP and Petroleum Coke:** Table 8.7c. **All Other Data:** • 1949-1959—Bureau of Mines, Mineral Industry Surveys, *Petroleum Statement, Annual*, annual reports, and U.S. Energy Information Administration (EIA) estimates. • 1960-1972—EIA, "State Energy Data 2010: Consumption" (June 2012), U.S. Tables CT4 and CT5. • 1973 forward—EIA, *Monthly Energy Review* (April 2012), Table 3.7a.

Table 5.13b Petroleum Consumption Estimates: Industrial Sector, Selected Years, 1949-2011

(Thousand Barrels per Day)

Year	Industrial Sector															
	Asphalt and Road Oil	Distillate Fuel Oil			Kerosene	Liquefied Petroleum Gases	Lubricants	Motor Gasoline ³	Petroleum Coke			Residual Fuel Oil			Other Petroleum ⁴	Total
		CHP ¹	Other ²	Total					CHP ¹	Other ²	Total	CHP ¹	Other ²	Total		
1949	157	(⁵)	265	265	123	80	36	121	(⁵)	40	40	(⁵)	534	534	243	1,598
1950	180	(⁵)	328	328	132	100	43	131	(⁵)	41	41	(⁵)	617	617	250	1,822
1955	254	(⁵)	466	466	116	212	47	173	(⁵)	67	67	(⁵)	686	686	366	2,387
1960	302	(⁵)	476	476	78	333	48	198	(⁵)	149	149	(⁵)	689	689	435	2,708
1965	368	(⁵)	541	541	80	470	62	179	(⁵)	202	202	(⁵)	689	689	657	3,247
1970	447	(⁵)	577	577	89	699	70	150	(⁵)	203	203	(⁵)	708	708	866	3,808
1975	419	(⁵)	630	630	58	844	68	116	(⁵)	246	246	(⁵)	658	658	1,001	4,038
1976	411	(⁵)	717	717	59	895	75	110	(⁵)	242	242	(⁵)	792	792	1,145	4,447
1977	436	(⁵)	809	809	69	918	82	102	(⁵)	266	266	(⁵)	844	844	1,294	4,821
1978	479	(⁵)	823	823	75	921	88	93	(⁵)	250	250	(⁵)	748	748	1,391	4,867
1979	476	(⁵)	830	830	86	1,266	92	84	(⁵)	243	243	(⁵)	721	721	1,546	5,343
1980	396	(⁵)	621	621	87	1,172	82	82	(⁵)	234	234	(⁵)	586	586	1,581	4,842
1981	342	(⁵)	653	653	52	1,166	79	83	(⁵)	250	250	(⁵)	471	471	1,176	4,273
1982	342	(⁵)	617	617	68	1,211	72	72	(⁵)	246	246	(⁵)	456	456	973	4,058
1983	373	(⁵)	537	537	32	1,166	75	59	(⁵)	225	225	(⁵)	345	345	1,042	3,854
1984	408	(⁵)	564	564	21	1,283	80	83	(⁵)	244	244	(⁵)	386	386	1,120	4,191
1985	425	(⁵)	526	526	21	1,285	75	114	(⁵)	261	261	(⁵)	326	326	1,032	4,065
1986	448	(⁵)	546	546	16	1,207	73	108	(⁵)	264	264	(⁵)	321	321	1,105	4,087
1987	467	(⁵)	537	537	14	1,279	83	107	(⁵)	294	294	(⁵)	253	253	1,176	4,210
1988	468	(⁵)	530	530	14	1,326	80	100	(⁵)	306	306	(⁵)	237	237	1,286	4,347
1989	453	5	531	536	14	1,300	82	104	5	295	300	57	121	178	1,284	4,251
1990	483	7	534	541	6	1,215	84	97	25	300	325	63	116	179	1,373	4,304
1991	444	12	495	507	5	1,326	75	101	22	293	315	55	91	146	1,299	4,219
1992	454	10	509	519	5	1,402	77	101	26	336	362	59	109	168	1,434	4,522
1993	474	10	515	525	6	1,363	78	94	22	308	330	65	129	194	1,373	4,438
1994	484	10	513	522	8	1,505	82	101	25	304	329	69	113	183	1,454	4,667
1995	486	6	526	532	7	1,527	80	105	26	302	328	60	87	147	1,381	4,594
1996	484	8	549	557	9	1,580	78	105	27	317	343	66	80	146	1,518	4,819
1997	505	8	558	566	9	1,617	82	111	37	294	331	56	71	127	1,605	4,953
1998	521	16	554	570	11	1,553	86	105	29	362	390	60	40	100	1,508	4,844
1999	547	16	542	558	6	1,709	87	80	31	395	426	52	38	90	1,532	5,035
2000	525	10	553	563	8	1,720	86	79	19	342	361	48	57	105	1,458	4,903
2001	519	9	602	611	11	1,557	79	155	15	375	390	46	42	89	1,481	4,892
2002	512	6	561	566	7	1,668	78	163	21	362	383	37	46	83	1,474	4,934
2003	503	10	525	534	12	1,561	72	171	17	358	375	38	58	96	1,579	4,903
2004	537	9	561	570	14	1,646	73	195	18	405	423	46	62	108	1,657	5,222
2005	546	11	583	594	19	1,549	72	187	14	390	404	46	77	123	1,605	5,100
2006	521	5	589	594	14	1,627	71	198	21	404	425	33	71	104	1,640	5,193
2007	494	4	591	595	6	1,637	73	161	22	390	412	30	54	84	1,593	5,056
2008	417	3	596	599	2	1,419	67	131	16	377	394	14	73	86	1,408	4,523
2009	360	7	514	521	2	1,541	61	128	17	347	363	13	33	46	1,251	4,274
2010	362	R3	R556	R559	R4	R1,673	R68	R148	R17	R293	310	R6	R46	52	R1,343	R4,519
2011 ^P	355	2	566	568	2	1,672	64	143	17	289	307	5	44	49	1,300	4,460

¹ Industrial combined-heat-and-power (CHP) and a small number of industrial electricity-only plants. See Note 2, "Classification of Power Plants Into Energy-Use Sectors," at end of Section 8.

² All industrial sector fuel use other than that in "CHP."

³ Finished motor gasoline. Through 1963, also includes special naphthas. Beginning in 1993, also includes ethanol blended into motor gasoline.

⁴ Pentanes plus, petrochemical feedstocks, still gas (refinery gas), waxes, and miscellaneous products. Beginning in 1964, also includes special naphthas. Beginning in 1981, also includes negative barrels per day of distillate and residual fuel oil reclassified as unfinished oils, and other products (from both primary and secondary supply) reclassified as gasoline blending components. Beginning in 1983, also includes crude oil burned as fuel. Beginning in 2005, also includes naphtha-type jet fuel.

⁵ Included in "Other."

R=Revised. P=Preliminary.

Notes: • For total petroleum consumption by all sectors, see petroleum products supplied data in Table 5.11. For petroleum, product supplied is used as an approximation of petroleum consumption. See Note 1, "Petroleum Products Supplied and Petroleum Consumption," at end of section. • Totals may not equal sum of components due to independent rounding.

Web Pages: • See <http://www.eia.gov/totalenergy/data/monthly/#petroleum> for updated monthly and annual data. • See <http://www.eia.gov/totalenergy/data/annual/#petroleum> for all annual data beginning in 1949. • See http://www.eia.gov/states/_seds.html for related information.

Sources: **CHP:** Table 8.7c. **All Other Data:** • 1949-1959—Bureau of Mines, Mineral Industry Surveys, *Petroleum Statement, Annual*, annual reports, and U.S. Energy Information Administration (EIA) estimates. • 1960-1972—EIA, "State Energy Data 2010: Consumption" (June 2012), U.S. Table CT6. • 1973 forward—EIA, *Monthly Energy Review* (April 2012), Table 3.7b.

Table 5.13c Petroleum Consumption Estimates: Transportation Sector, Selected Years, 1949-2011
(Thousand Barrels per Day)

Year	Transportation Sector								
	Aviation Gasoline	Distillate Fuel Oil ¹	Jet Fuel		Liquefied Petroleum Gases	Lubricants	Motor Gasoline ³	Residual Fuel Oil	Total
			Kerosene Type	Total ²					
1949	93	190	0	(²)	1	54	2,241	504	3,084
1950	108	226	0	(²)	2	64	2,433	524	3,356
1955	192	372	0	154	9	70	3,221	440	4,458
1960	161	418	91	371	13	68	3,736	367	5,135
1965	120	514	334	602	23	67	4,374	336	6,036
1970	55	738	718	967	32	66	5,589	332	7,778
1975	39	998	782	992	31	70	6,512	310	8,951
1976	37	1,073	777	976	33	77	6,817	358	9,372
1977	38	1,171	814	1,022	36	78	7,022	396	9,761
1978	39	1,260	845	1,044	38	83	7,264	431	10,160
1979	38	1,366	867	1,067	16	87	6,896	535	10,005
1980	35	1,311	845	1,062	13	77	6,441	608	9,546
1981	31	1,365	808	1,006	24	74	6,456	531	9,487
1982	25	1,312	803	1,011	24	68	6,421	444	9,307
1983	26	1,367	839	1,046	29	71	6,510	358	9,406
1984	24	1,383	953	1,175	30	76	6,554	351	9,592
1985	27	1,491	1,005	1,218	21	71	6,667	342	9,838
1986	32	1,514	1,105	1,307	19	69	6,871	379	10,191
1987	25	1,568	1,181	1,385	15	78	7,041	392	10,505
1988	27	1,701	1,236	1,449	17	75	7,179	399	10,846
1989	26	1,734	1,284	1,489	16	77	7,171	423	10,937
1990	24	1,722	1,340	1,522	16	80	7,080	443	10,888
1991	23	1,694	1,296	1,471	15	71	7,042	447	10,763
1992	22	1,728	1,310	1,454	14	72	7,125	465	10,881
1993	21	1,785	1,357	1,469	14	74	7,367	393	11,124
1994	21	1,896	1,480	1,527	24	77	7,487	385	11,417
1995	21	1,973	1,497	1,514	13	76	7,674	397	11,668
1996	20	2,096	1,575	1,578	11	73	7,772	370	11,921
1997	22	2,198	1,598	1,599	10	78	7,883	310	12,099
1998	19	2,263	1,623	1,622	13	81	8,128	294	12,420
1999	21	2,352	1,675	1,673	10	82	8,336	290	12,765
2000	20	2,422	1,725	1,725	8	81	8,370	386	13,012
2001	19	2,489	1,656	1,655	10	74	8,435	255	12,938
2002	18	2,536	1,621	1,614	10	73	8,662	295	13,208
2003	16	2,665	1,578	1,578	12	68	8,733	249	13,321
2004	17	2,783	1,630	1,630	14	69	8,887	321	13,720
2005	19	2,858	1,679	1,679	20	68	8,948	365	13,957
2006	18	3,017	1,633	1,633	20	67	9,029	395	14,178
2007	17	3,037	1,622	1,622	16	69	9,093	433	14,287
2008	15	2,824	1,539	1,539	29	64	8,834	400	13,704
2009	14	2,600	1,393	1,393	20	57	8,840	353	13,279
2010	15	^R 2,737	^R 1,432	^R 1,432	21	^R 64	^R 8,816	^R 382	^R 13,466
2011 ^P	15	2,779	1,425	1,425	21	60	8,565	359	13,223

¹ Beginning in 2009, includes renewable diesel fuel (including biodiesel) blended into distillate fuel oil.

² Through 1951, naphtha-type jet fuel is included in the products from which jet fuel was blended: in 1952, 71 percent gasoline, 17 percent kerosene, and 12 percent distillate fuel oil. Beginning in 1952, includes naphtha-type jet fuel. Beginning in 1957, also includes kerosene-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only.

³ Finished motor gasoline. Through 1963, also includes special naphthas. Beginning in 1993, also includes ethanol blended into motor gasoline.

R=Revised. P=Preliminary.

Notes: • For total petroleum consumption by all sectors, see petroleum products supplied data in Table 5.11. For petroleum, product supplied is used as an approximation of petroleum consumption. See Note 1,

"Petroleum Products Supplied and Petroleum Consumption," at end of section. • Totals may not equal sum of components due to independent rounding.

Web Pages: • See <http://www.eia.gov/totalenergy/data/monthly/#petroleum> for updated monthly and annual data. • See <http://www.eia.gov/totalenergy/data/annual/#petroleum> for all annual data beginning in 1949. • See http://www.eia.gov/states/_seds.html for related information.

Sources: • 1949-1959—Bureau of Mines, Mineral Industry Surveys, *Petroleum Statement, Annual*, annual reports, and U.S. Energy Information Administration (EIA) estimates. • 1960-1972—EIA, "State Energy Data 2010: Consumption" (June 2012), U.S. Table CT7. • 1973 forward—EIA, *Monthly Energy Review* (April 2012), Table 3.7c.

Table 5.13d Petroleum Consumption Estimates: Electric Power Sector, Selected Years, 1949-2011
(Thousand Barrels per Day)

Year	Electric Power Sector ¹											
	Electricity Only				Combined Heat and Power (CHP)				Total			
	Distillate Fuel Oil ²	Petroleum Coke	Residual Fuel Oil ³	Total	Distillate Fuel Oil ²	Petroleum Coke	Residual Fuel Oil ³	Total	Distillate Fuel Oil ²	Petroleum Coke	Residual Fuel Oil ³	Total
1949	13	NA	169	182	NA	NA	NA	NA	13	NA	169	182
1950	15	NA	192	207	NA	NA	NA	NA	15	NA	192	207
1955	15	NA	191	206	NA	NA	NA	NA	15	NA	191	206
1960	10	NA	231	241	NA	NA	NA	NA	10	NA	231	241
1965	14	NA	302	316	NA	NA	NA	NA	14	NA	302	316
1970	66	9	853	928	NA	NA	NA	NA	66	9	853	928
1975	107	1	1,280	1,388	NA	NA	NA	NA	107	1	1,280	1,388
1976	114	1	1,405	1,520	NA	NA	NA	NA	114	1	1,405	1,520
1977	134	1	1,575	1,710	NA	NA	NA	NA	134	1	1,575	1,710
1978	130	5	1,612	1,747	NA	NA	NA	NA	130	5	1,612	1,747
1979	84	4	1,350	1,437	NA	NA	NA	NA	84	4	1,350	1,437
1980	79	2	1,069	1,151	NA	NA	NA	NA	79	2	1,069	1,151
1981	58	2	904	964	NA	NA	NA	NA	58	2	904	964
1982	42	2	642	686	NA	NA	NA	NA	42	2	642	686
1983	45	4	627	676	NA	NA	NA	NA	45	4	627	676
1984	42	3	517	562	NA	NA	NA	NA	42	3	517	562
1985	40	3	435	478	NA	NA	NA	NA	40	3	435	478
1986	39	4	592	636	NA	NA	NA	NA	39	4	592	636
1987	42	5	504	551	NA	NA	NA	NA	42	5	504	551
1988	51	6	627	683	NA	NA	NA	NA	51	6	627	683
1989 ⁴	70	7	663	740	2	0	6	8	72	7	669	748
1990	41	14	497	551	4	0	10	15	45	14	507	566
1991	38	13	469	520	1	0	4	5	39	13	473	526
1992	33	18	371	422	2	2	8	12	34	20	379	434
1993	37	21	409	467	4	15	9	27	41	36	418	494
1994	46	16	369	431	11	15	10	36	56	32	379	467
1995	44	15	237	296	7	22	9	38	51	37	247	334
1996	47	14	263	325	4	22	10	36	51	36	273	360
1997	48	23	301	373	4	23	10	37	52	46	311	410
1998	61	30	448	539	3	26	8	37	64	56	456	576
1999	63	26	409	497	3	25	9	38	66	51	418	535
2000	77	20	370	466	6	25	8	39	82	45	378	505
2001	76	25	430	531	4	22	7	33	80	47	437	564
2002	59	54	281	394	1	26	6	33	60	80	287	427
2003	71	66	373	510	5	14	6	24	76	79	379	534
2004	49	83	376	509	3	17	6	26	52	101	382	535
2005	51	94	376	521	3	17	6	26	54	111	382	547
2006	34	82	151	267	1	15	6	22	35	97	157	289
2007	40	65	167	272	2	13	6	21	42	78	173	293
2008	33	58	99	189	2	12	6	19	34	70	104	209
2009	32	50	73	154	1	13	6	21	33	63	79	175
2010	^R 37	^R 61	62	^R 159	1	^R 4	6	^R 11	^R 38	65	^R 67	170
2011 ^P	28	56	35	119	1	5	6	11	29	60	41	130

¹ Electricity-only and combined-heat-and-power (CHP) plants within the NAICS 22 category whose primary business is to sell electricity, or electricity and heat, to the public. Electric utility CHP plants are included in "Electricity Only."

² Fuel oil nos. 1, 2, and 4. For 1949–1979, data are for gas turbine and internal combustion plant use of petroleum. For 1980–2000, electric utility data also include small amounts of kerosene and jet fuel.

³ Fuel oil nos. 5 and 6. For 1949–1979, data are for steam plant use of petroleum. For 1980–2000, electric utility data also include a small amount of fuel oil no. 4.

⁴ Through 1988, data are for electric utilities only. Beginning in 1989, data are for electric utilities and independent power producers.

R=Revised. P=Preliminary. NA=Not available.

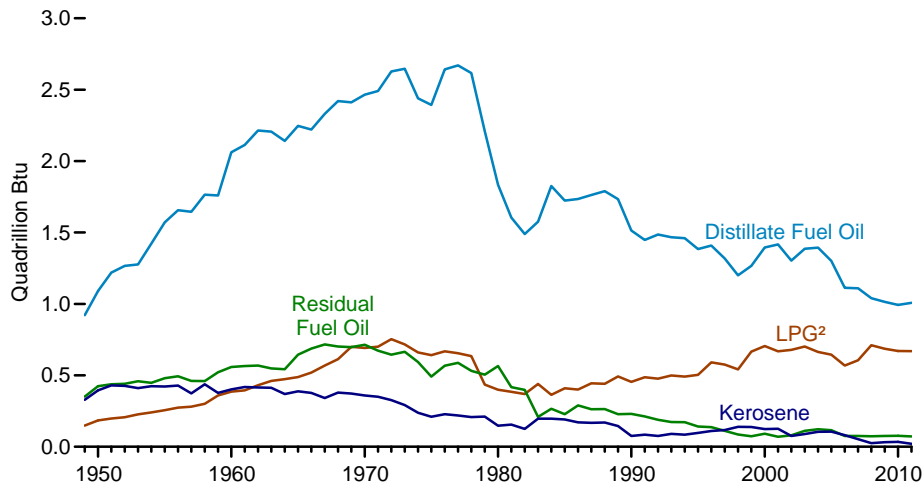
Notes: • For total petroleum consumption by all sectors, see petroleum products supplied data in Table 5.11. See Note 1, "Petroleum Products Supplied and Petroleum Consumption," at end of section. • See Tables 8.5a–8.5d for the amount of petroleum used to produce electricity and Tables 8.6a–8.6c for the amount of petroleum used to produce useful thermal output. • Totals may not equal sum of components due to independent rounding.

Web Pages: • See <http://www.eia.gov/totalenergy/data/monthly/#petroleum> for updated monthly and annual data. • See <http://www.eia.gov/totalenergy/data/annual/#petroleum> for all annual data beginning in 1949. • See <http://www.eia.gov/electricity/> for related information.

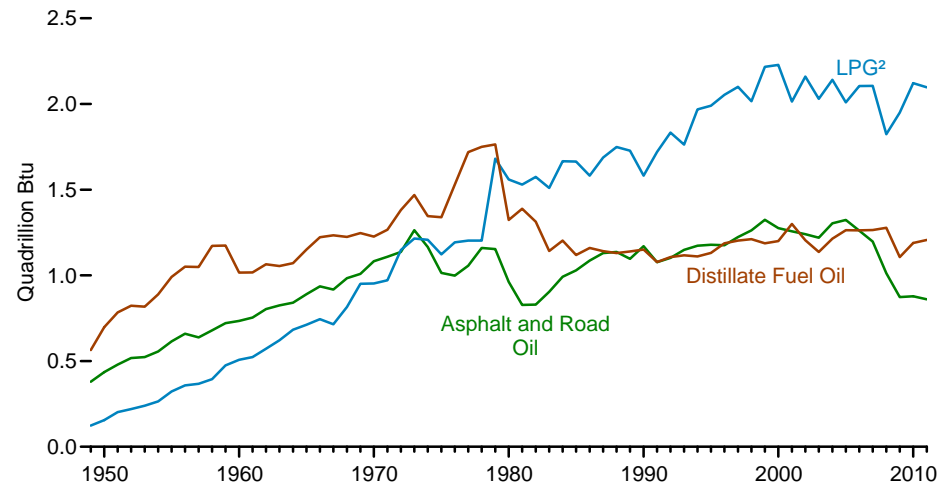
Sources: Tables 8.5b, 8.5c, 8.6b, and 8.7b.

Figure 5.14 Heat Content of Petroleum Consumption Estimates by Product by Sector, 1949-2011

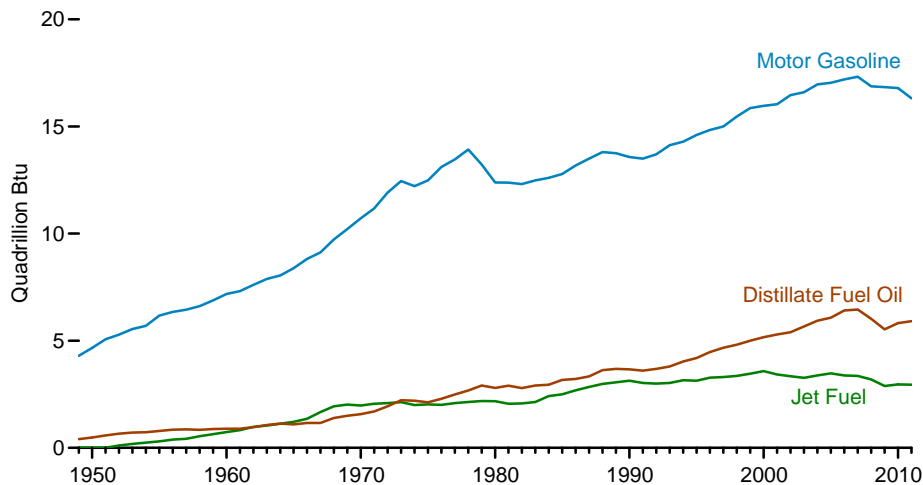
Residential and Commercial¹ Sectors, Selected Products



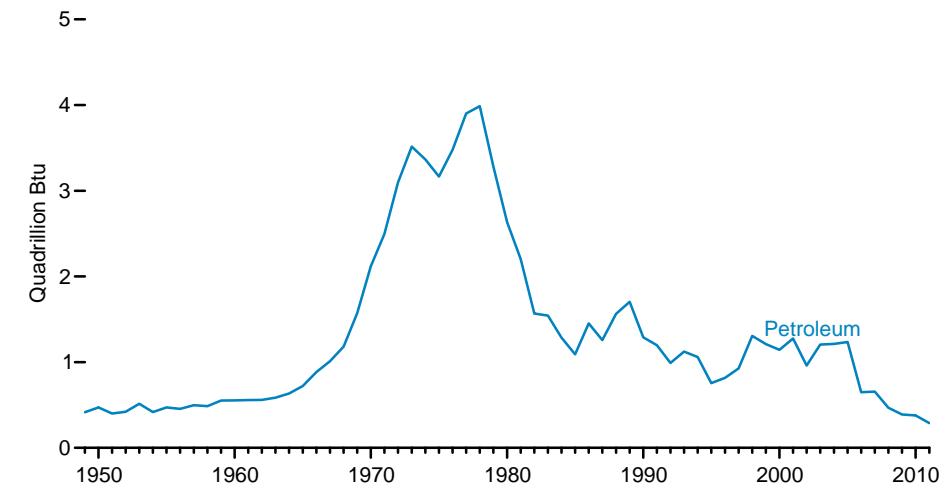
Industrial¹ Sector, Selected Products



Transportation Sector, Selected Products



Electric Power Sector³



¹ Includes combined-heat-and-power plants and a small number of electricity-only plants.

² Liquefied petroleum gases.

³ Electricity-only and combined-heat-and-power plants whose primary business is to sell electricity, or electricity and heat, to the public.

Sources: Tables 5.14a–5.14c.

Table 5.14a Heat Content of Petroleum Consumption Estimates: Residential and Commercial Sectors, Selected Years, 1949-2011 (Trillion Btu)

Year	Residential Sector				Commercial Sector						
	Distillate Fuel Oil	Kerosene	Liquefied Petroleum Gases	Total	Distillate Fuel Oil	Kerosene	Liquefied Petroleum Gases	Motor Gasoline ¹	Petroleum Coke	Residual Fuel Oil	Total
1949	700	289	117	1,106	221	39	31	92	NA	351	735
1950	829	347	146	1,322	262	47	39	100	NA	424	872
1955	1,194	371	202	1,767	377	51	54	133	NA	480	1,095
1960	1,568	354	305	2,227	494	48	81	67	NA	559	1,248
1965	1,713	334	385	2,432	534	54	103	77	NA	645	1,413
1970	1,878	298	549	2,725	587	61	143	86	NA	714	1,592
1975	1,807	161	512	2,479	587	49	129	89	NA	492	1,346
1976	1,987	184	532	2,703	656	44	136	97	NA	567	1,500
1977	1,994	167	520	2,681	676	52	135	101	NA	588	1,552
1978	1,951	153	504	2,607	666	55	131	107	NA	532	1,490
1979	1,626	133	340	2,099	584	78	95	104	NA	505	1,367
1980	1,316	107	311	1,734	518	41	88	107	NA	565	1,318
1981	1,147	85	299	1,531	457	69	87	92	NA	417	1,122
1982	1,050	95	289	1,434	440	30	81	88	NA	399	1,037
1983	924	85	344	1,353	651	111	96	102	NA	208	1,170
1984	1,091	160	280	1,531	735	36	83	107	NA	266	1,227
1985	1,092	159	314	1,565	631	33	95	96	NA	228	1,083
1986	1,111	121	308	1,541	623	50	93	106	NA	290	1,162
1987	1,156	119	342	1,617	607	49	102	111	NA	263	1,131
1988	1,190	144	341	1,675	600	26	99	110	NA	264	1,099
1989	1,160	117	383	1,660	574	28	109	102	0	228	1,041
1990	978	64	352	1,394	536	12	102	111	0	230	991
1991	930	72	378	1,381	517	12	108	85	0	212	935
1992	980	65	369	1,414	507	11	107	80	(s)	189	893
1993	974	76	390	1,439	493	14	109	30	(s)	173	819
1994	960	65	384	1,408	501	19	107	25	(s)	172	825
1995	905	74	395	1,374	479	22	109	18	(s)	141	769
1996	926	89	469	1,484	483	21	122	27	(s)	137	790
1997	874	93	455	1,422	444	25	120	43	(s)	111	743
1998	772	108	424	1,304	429	31	118	39	(s)	85	702
1999	828	111	526	1,465	438	27	140	28	(s)	73	707
2000	905	95	555	1,554	491	30	150	45	(s)	92	807
2001	908	95	526	1,529	508	31	143	37	(s)	70	790
2002	860	60	537	1,457	444	16	141	45	(s)	80	726
2003	905	70	544	1,519	481	19	157	60	(s)	111	828
2004	924	85	512	1,520	470	20	152	45	(s)	122	810
2005	854	84	513	1,451	447	22	131	46	(s)	116	762
2006	712	66	446	1,224	401	15	123	49	(s)	75	664
2007	726	44	484	1,254	384	9	121	61	(s)	75	651
2008	669	21	553	1,243	372	4	158	46	(s)	73	653
2009	602	28	547	1,176	413	4	139	53	(s)	76	685
2010	^R 583	^R 29	^R 530	^R 1,142	^R 410	5	^R 140	^R 55	(s)	^R 77	^R 688
2011 ^P	592	18	530	1,139	417	3	140	54	(s)	73	686

¹ Finished motor gasoline. Through 1963, also includes special naphthas. Beginning in 1993, also includes ethanol blended into motor gasoline.

R=Revised. P=Preliminary. NA=Not available. (s)=Less than 0.5 trillion Btu.

Notes: • Data are estimates. • For total heat content of petroleum consumption by all sectors, see data for heat content of petroleum products supplied in Table 5.12. For petroleum, product supplied is used as an approximation of petroleum consumption. See Note 1, "Petroleum Products Supplied and Petroleum

Consumption," at end of Section. • Totals may not equal sum of components due to independent rounding.

Web Pages: • See <http://www.eia.gov/totalenergy/data/monthly/#petroleum> for updated monthly and annual data. • See <http://www.eia.gov/totalenergy/data/annual/#petroleum> for all annual data beginning in 1949. • See http://www.eia.gov/states/_seds.html for related information.

Sources: Tables 5.13a, A1, and A3.

Table 5.14b Heat Content of Petroleum Consumption Estimates: Industrial Sector, Selected Years, 1949-2011
(Trillion Btu)

Year	Industrial Sector									Total
	Asphalt and Road Oil	Distillate Fuel Oil	Kerosene	Liquefied Petroleum Gases	Lubricants	Motor Gasoline ¹	Petroleum Coke	Residual Fuel Oil	Other Petroleum ²	
1949	380	564	254	123	80	231	87	1,225	530	3,475
1950	435	698	274	156	94	251	90	1,416	546	3,960
1955	615	991	241	323	103	332	147	1,573	798	5,123
1960	734	1,016	161	507	107	381	328	1,584	947	5,766
1965	890	1,150	165	712	137	342	444	1,582	1,390	6,813
1970	1,082	1,226	185	953	155	288	446	1,624	1,817	7,776
1975	1,014	1,339	119	1,123	149	223	540	1,509	2,109	8,127
1976	998	1,530	123	1,192	166	211	535	1,822	2,413	8,990
1977	1,056	1,719	143	1,203	182	196	586	1,937	2,724	9,747
1978	1,160	1,750	156	1,203	195	178	550	1,716	2,928	9,835
1979	1,153	1,764	177	1,681	204	162	533	1,655	3,217	10,548
1980	962	1,324	181	1,559	182	158	516	1,349	3,278	9,509
1981	828	1,389	108	1,530	175	160	549	1,081	2,446	8,265
1982	829	1,313	141	1,575	159	138	451	1,047	2,030	7,772
1983	904	1,142	66	1,510	167	112	495	791	2,202	7,390
1984	992	1,203	43	1,666	178	160	538	889	2,319	7,987
1985	1,029	1,119	44	1,664	166	218	575	748	2,152	7,714
1986	1,086	1,160	32	1,582	162	206	581	736	2,315	7,860
1987	1,130	1,141	28	1,687	183	206	646	582	2,439	8,042
1988	1,136	1,130	30	1,749	177	193	675	546	2,682	8,317
1989	1,096	1,139	30	1,728	181	199	660	410	2,656	8,098
1990	1,170	1,150	12	1,582	186	185	714	411	2,839	8,251
1991	1,077	1,078	11	1,720	167	193	693	334	2,685	7,958
1992	1,102	1,107	10	1,833	170	194	798	387	2,951	8,552
1993	1,149	1,117	13	1,763	173	180	725	446	2,822	8,388
1994	1,173	1,111	17	1,969	181	192	723	419	2,988	8,773
1995	1,178	1,131	15	1,990	178	200	721	337	2,837	8,588
1996	1,176	1,187	18	2,054	173	200	757	335	3,121	9,020
1997	1,224	1,203	19	2,100	182	212	727	291	3,298	9,256
1998	1,263	1,211	22	2,016	191	199	858	230	3,093	9,083
1999	1,324	1,187	13	2,217	193	152	936	207	3,129	9,357
2000	1,276	1,200	16	2,228	190	150	796	241	2,979	9,076
2001	1,257	1,300	23	2,014	174	295	858	203	3,056	9,181
2002	1,240	1,204	14	2,160	172	309	842	190	3,040	9,171
2003	1,220	1,136	24	2,030	159	324	825	220	3,264	9,202
2004	1,304	1,214	28	2,141	161	372	934	249	3,428	9,831
2005	1,323	1,264	39	2,009	160	356	889	281	3,318	9,640
2006	1,261	1,263	30	2,104	156	376	934	239	3,416	9,780
2007	1,197	1,265	13	2,106	161	306	906	193	3,313	9,461
2008	1,012	1,277	4	1,823	150	250	868	199	2,941	8,523
2009	873	1,107	4	1,950	135	244	799	106	2,611	7,829
2010	^R 878	^R 1,188	^R 7	^R 2,121	149	^R 281	682	^R 120	^R 2,800	^R 8,227
2011 ^P	860	1,207	4	2,097	141	273	674	113	2,712	8,081

¹ Finished motor gasoline. Through 1963, also includes special naphthas. Beginning in 1993, also includes ethanol blended into motor gasoline.

² Pentanes plus, petrochemical feedstocks, still gas (refinery gas), waxes, and miscellaneous products. Beginning in 1964, also includes special naphthas. Beginning in 1983, also includes crude oil burned as fuel.

R=Revised. P=Preliminary.

Notes: • Data are estimates. • For total heat content of petroleum consumption by all sectors, see data for heat content of petroleum products supplied in Table 5.12. For petroleum, product supplied is used as

an approximation of petroleum consumption. See Note 1, "Petroleum Products Supplied and Petroleum Consumption," at end of Section. • Totals may not equal sum of components due to independent rounding.

Web Pages: • See <http://www.eia.gov/totalenergy/data/monthly/#petroleum> for updated monthly and annual data. • See <http://www.eia.gov/totalenergy/data/annual/#petroleum> for all annual data beginning in 1949. • See http://www.eia.gov/states/_seds.html for related information.

Sources: Tables 5.12, 5.13b, A1, and A3.

Table 5.14c Heat Content of Petroleum Consumption Estimates: Transportation and Electric Power Sectors, Selected Years, 1949-2011 (Trillion Btu)

Year	Transportation Sector									Electric Power Sector ¹			
	Aviation Gasoline	Distillate Fuel Oil ²	Jet Fuel		Liquefied Petroleum Gases	Lubricants	Motor Gasoline ⁴	Residual Fuel Oil	Total	Distillate Fuel Oil ⁵	Petroleum Coke	Residual Fuel Oil ⁶	Total
			Kerosene Type	Total ³									
1949	172	405	0	0	2	120	4,298	1,156	6,152	28	NA	387	415
1950	199	480	0	0	3	141	4,664	1,201	6,690	32	NA	440	472
1955	354	791	0	301	13	155	6,175	1,009	8,799	32	NA	439	471
1960	298	892	188	739	19	152	7,183	844	10,125	22	NA	530	553
1965	222	1,093	691	1,215	32	149	8,386	770	11,866	29	NA	693	722
1970	100	1,569	1,486	1,973	44	147	10,716	761	15,310	141	19	1,958	2,117
1975	71	2,121	1,619	2,029	43	155	12,485	711	17,615	226	2	2,937	3,166
1976	67	2,288	1,613	2,002	47	172	13,107	824	18,508	243	2	3,232	3,477
1977	70	2,489	1,684	2,090	50	172	13,464	908	19,243	283	3	3,614	3,901
1978	71	2,679	1,750	2,138	54	184	13,927	990	20,044	276	12	3,699	3,987
1979	70	2,905	1,795	2,186	22	193	13,221	1,228	19,825	178	8	3,097	3,283
1980	64	2,795	1,754	2,179	18	172	12,383	1,398	19,009	169	5	2,459	2,634
1981	56	2,901	1,671	2,058	34	165	12,379	1,219	18,813	124	4	2,073	2,202
1982	47	2,790	1,661	2,069	34	150	12,312	1,020	18,422	89	4	1,474	1,568
1983	48	2,905	1,736	2,141	40	157	12,482	821	18,595	96	8	1,440	1,544
1984	44	2,948	1,977	2,414	43	168	12,600	807	19,023	88	8	1,190	1,286
1985	50	3,170	2,079	2,497	30	156	12,784	786	19,472	85	7	998	1,090
1986	59	3,218	2,287	2,682	27	153	13,174	870	20,183	83	9	1,359	1,452
1987	46	3,335	2,444	2,843	22	173	13,499	900	20,817	90	10	1,157	1,257
1988	49	3,626	2,565	2,982	23	167	13,802	919	21,568	109	12	1,442	1,563
1989	48	3,687	2,658	3,059	23	171	13,749	971	21,707	152	16	1,535	1,703
1990	45	3,661	2,774	3,129	23	176	13,575	1,016	21,626	97	30	1,163	1,289
1991	42	3,601	2,681	3,025	21	157	13,503	1,026	21,374	84	29	1,085	1,198
1992	41	3,684	2,718	3,001	19	161	13,699	1,070	21,675	74	45	872	991
1993	38	3,796	2,809	3,028	20	163	14,126	901	22,073	86	79	959	1,124
1994	38	4,032	3,063	3,154	34	171	14,293	883	22,605	120	70	869	1,059
1995	40	4,195	3,099	3,132	18	168	14,607	911	23,070	108	81	566	755
1996	37	4,469	3,268	3,274	16	163	14,837	851	23,648	109	80	628	817
1997	40	4,672	3,307	3,308	14	172	14,999	712	23,918	111	102	715	927
1998	35	4,812	3,359	3,357	18	180	15,463	674	24,538	136	124	1,047	1,306
1999	39	5,001	3,466	3,462	14	182	15,855	665	25,219	140	112	959	1,211
2000	36	5,165	3,580	3,580	12	179	15,960	888	25,820	175	99	871	1,144
2001	35	5,292	3,427	3,426	14	164	16,041	586	25,557	171	103	1,003	1,277
2002	34	5,392	3,354	3,340	14	162	16,465	677	26,085	127	175	659	961
2003	30	5,666	3,266	3,265	17	150	16,597	571	26,297	161	175	869	1,205
2004	31	5,932	3,382	3,383	19	152	16,962	740	27,219	111	222	879	1,212
2005	35	6,076	3,475	3,475	28	151	17,043	837	27,645	115	243	876	1,235
2006	33	6,414	3,379	3,379	27	147	17,197	906	28,105	74	214	361	648
2007	32	6,457	3,358	3,358	22	152	17,321	994	28,335	89	171	397	657
2008	28	6,020	3,193	3,193	40	141	16,872	920	27,214	73	154	240	468
2009	27	5,528	2,883	2,883	28	127	16,837	810	26,240	70	139	181	390
2010	27	^R 5,818	^R 2,963	^R 2,963	29	^R 141	^R 16,791	^R 877	^R 26,646	80	^R 144	^R 154	378
2011 ^P	27	5,908	2,950	2,950	29	133	16,312	823	26,182	62	132	94	288

¹ Electricity-only and combined-heat-and-power (CHP) plants within the NAICS 22 category whose primary business is to sell electricity, or electricity and heat, to the public. Through 1988, data are for electric utilities only; beginning in 1989, data are for electric utilities and independent power producers.

² Beginning in 2009, includes renewable diesel fuel (including biodiesel) blended into distillate fuel oil.

³ Through 1951, naphtha-type jet fuel is included in the products from which jet fuel was blended; in 1952, 71 percent gasoline, 17 percent kerosene, and 12 percent distillate fuel oil. Beginning in 1952, includes naphtha-type jet fuel. Beginning in 1957, also includes kerosene-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only.

⁴ Finished motor gasoline. Through 1963, also includes special naphthas. Beginning in 1993, also includes ethanol blended into motor gasoline.

⁵ Fuel oil nos. 1, 2, and 4. For 1949-1979, data are for gas turbine and internal combustion plant use of petroleum. For 1980-2000, electric utility data also include small amounts of kerosene and jet fuel.

⁶ Fuel oil nos. 5 and 6. For 1949-1979, data are for steam plant use of petroleum. For 1980-2000, electric utility data also include a small amount of fuel oil no. 4.

R=Revised. P=Preliminary. NA=Not available.

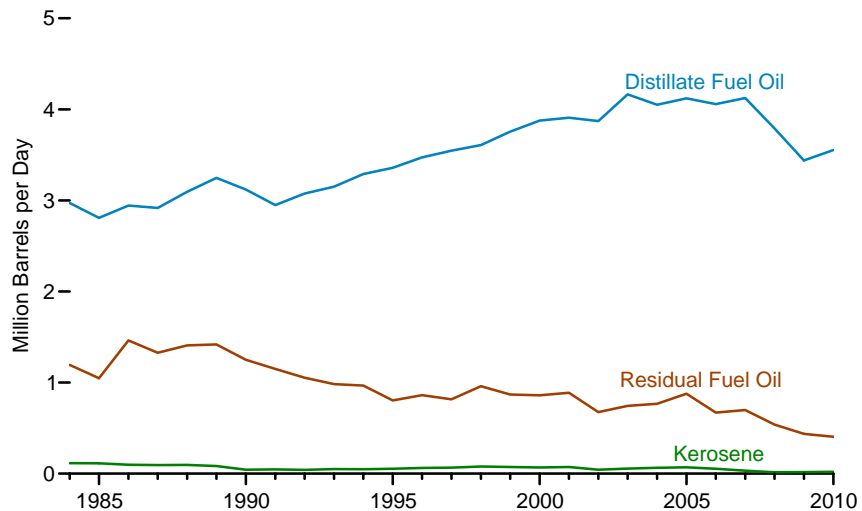
Notes: • Data for "Transportation Sector" are estimates. • For total heat content of petroleum consumption by all sectors, see data for heat content of petroleum products supplied in Table 5.12. For the transportation sector, petroleum product supplied is used as an approximation of petroleum consumption. See Note 1, "Petroleum Products Supplied and Petroleum Consumption," at end of Section. • Totals may not equal sum of components due to independent rounding.

Web Pages: • See <http://www.eia.gov/totalenergy/data/monthly/#petroleum> for updated monthly and annual data. • See <http://www.eia.gov/totalenergy/data/annual/#petroleum> for all annual data beginning in 1949. • See http://www.eia.gov/states/_seds.html for related information.

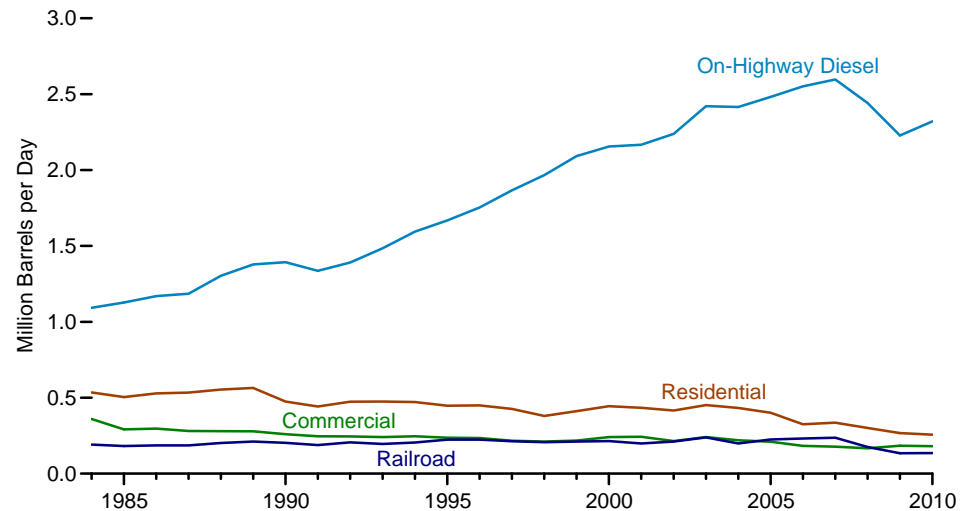
Sources: Tables 5.13c, 5.13d, A1, and A3.

Figure 5.15 Fuel Oil and Kerosene Sales, 1984-2010

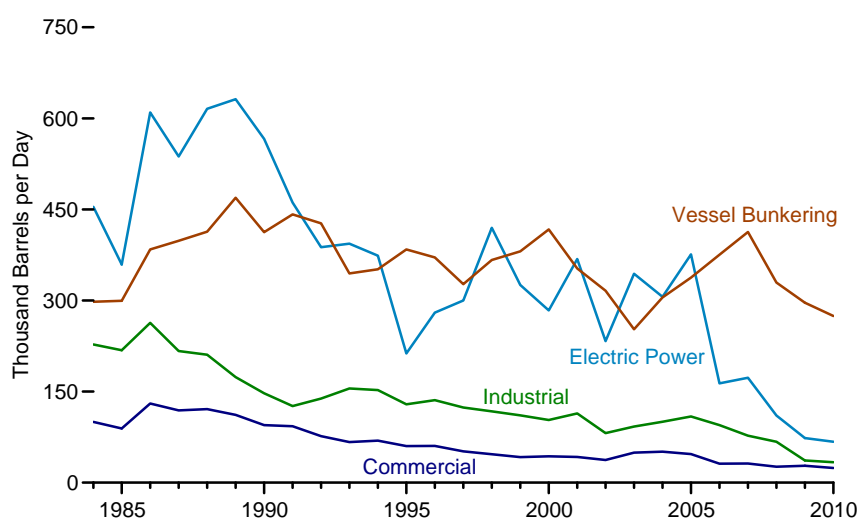
Total by Fuel



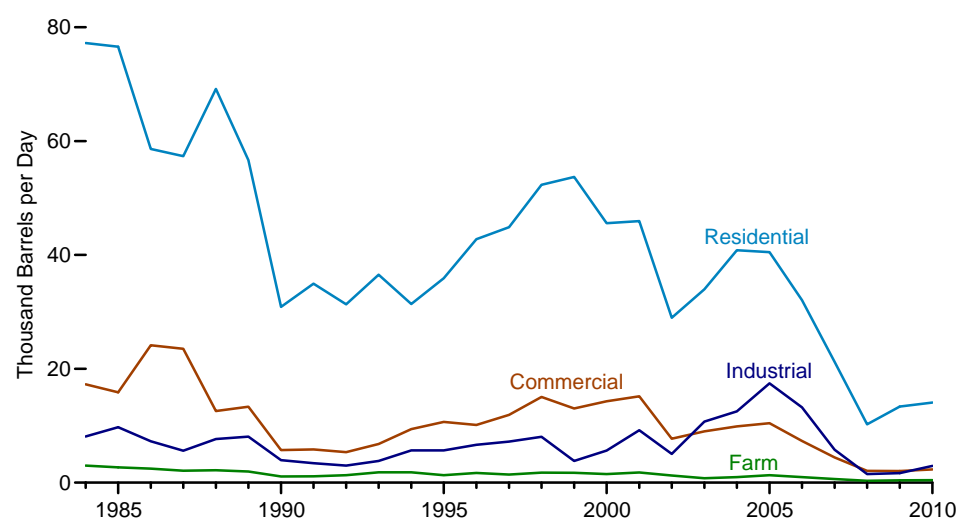
Distillate Fuel Oil by Selected End Use



Residual Fuel Oil by Major End Use



Kerosene by Major End Use



Source: Table 5.15.

Table 5.15 Fuel Oil and Kerosene Sales, Selected Years, 1984-2010
(Thousand Barrels per Day)

Year	Distillate Fuel Oil													Total
	Residential	Commercial	Industrial	Oil Company	Farm	Electric Power ¹	Railroad	Vessel Bunkering	On-Highway Diesel	Military	Off-Highway Diesel	Other		
1984	534	360	166	55	208	42	192	115	1,093	46	114	46	2,971	
1985	504	291	159	45	202	34	182	111	1,127	43	99	11	2,809	
1990	475	260	169	49	222	50	203	135	1,393	46	118	(s)	3,120	
1991	442	246	151	48	206	39	188	133	1,336	53	107	(s)	2,949	
1992	474	245	150	43	228	35	206	144	1,391	42	114	(s)	3,075	
1993	475	241	139	46	222	36	196	141	1,485	32	137	(s)	3,150	
1994	472	246	148	44	213	43	205	143	1,594	40	140	(s)	3,289	
1995	447	237	146	45	227	39	224	153	1,668	30	142	--	3,357	
1996	450	234	149	48	234	43	224	162	1,754	30	146	--	3,472	
1997	426	216	151	56	231	41	214	168	1,867	28	149	--	3,546	
1998	380	211	161	51	222	55	207	169	1,967	23	162	--	3,608	
1999	411	218	162	43	223	53	211	158	2,091	23	162	--	3,756	
2000	444	241	152	45	225	66	214	147	2,155	20	168	--	3,877	
2001	433	243	161	49	234	88	198	133	2,167	26	177	--	3,908	
2002	416	215	156	50	223	49	212	136	2,238	23	154	--	3,871	
2003	452	240	156	33	209	75	239	145	2,420	27	169	--	4,165	
2004	432	220	151	31	207	54	198	139	2,415	23	179	--	4,050	
2005	401	210	160	31	210	59	225	131	2,482	18	193	--	4,120	
2006	325	183	161	42	213	43	232	124	2,552	21	162	--	4,057	
2007	335	177	161	51	209	44	237	126	2,596	24	164	--	4,123	
2008	301	167	154	64	209	35	175	77	2,441	17	148	--	3,790	
2009	268	184	143	48	173	35	135	83	2,228	15	128	--	3,440	
2010	256	181	133	61	190	32	136	88	2,321	16	139	--	3,552	

Year	Residual Fuel Oil							Kerosene						
	Commercial	Industrial	Oil Company	Electric Power ¹	Vessel Bunkering	Military	Other ²	Total	Residential	Commercial	Industrial	Farm	Other	Total
1984	100	228	81	454	298	6	26	1,194	77	17	8	3	10	115
1985	89	218	62	359	299	8	13	1,048	77	16	10	3	9	114
1990	³ 95	147	21	566	413	7	2	³ 1,250	31	6	4	1	1	43
1991	93	126	20	461	442	8	1	1,150	35	6	3	1	1	46
1992	77	138	18	388	427	6	1	1,054	31	5	3	1	(s)	41
1993	67	155	17	394	345	5	(s)	983	37	7	4	2	1	50
1994	69	152	16	374	351	4	(s)	967	31	9	6	2	1	49
1995	60	129	14	213	384	3	(s)	804	36	11	6	1	(s)	54
1996	60	136	11	280	371	4	1	862	43	10	7	2	(s)	62
1997	52	124	10	300	327	3	(s)	816	45	12	7	1	(s)	66
1998	47	117	8	420	367	2	(s)	961	52	15	8	2	1	78
1999	42	111	8	326	381	2	(s)	869	54	13	4	2	1	73
2000	43	103	10	284	417	2	(s)	859	46	14	6	2	(s)	67
2001	42	114	9	368	353	1	(s)	888	46	15	9	2	(s)	72
2002	37	82	7	233	316	(s)	(s)	676	29	8	5	1	(s)	43
2003	49	92	5	344	253	1	(s)	744	34	9	11	1	(s)	55
2004	51	100	3	306	305	2	(s)	767	41	10	13	1	(s)	64
2005	47	109	5	376	338	2	(s)	877	40	10	17	1	(s)	70
2006	31	95	4	163	375	1	(s)	670	32	7	13	1	(s)	54
2007	31	77	3	173	413	1	(s)	698	21	4	6	1	(s)	32
2008	26	67	4	111	330	1	(s)	538	10	2	2	(s)	(s)	14
2009	28	37	2	73	296	1	1	437	13	2	2	(s)	(s)	^R 18
2010	24	34	4	67	274	1	(s)	404	14	2	3	(s)	(s)	20

¹ Electricity-only and combined-heat-and-power (CHP) plants within the NAICS 22 category whose primary business is to sell electricity, or electricity and heat, to the public.

² Sales to railroads are included in "Other."

³ Value has been revised since publication in the reports cited after "Sources."

--=Not applicable. (s)=Less than 0.5 thousand barrels per day.

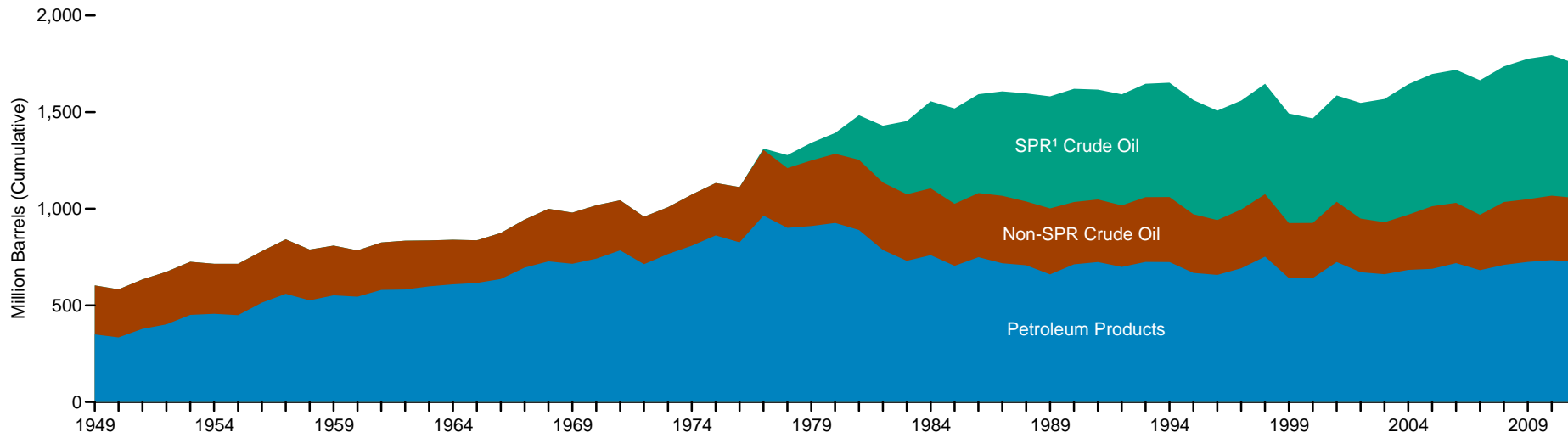
Web Pages: • See <http://www.eia.gov/totalenergy/data/annual/#petroleum> for all data beginning in

1984. • For related information, see <http://www.eia.gov/petroleum/fueloilkerosene/>.

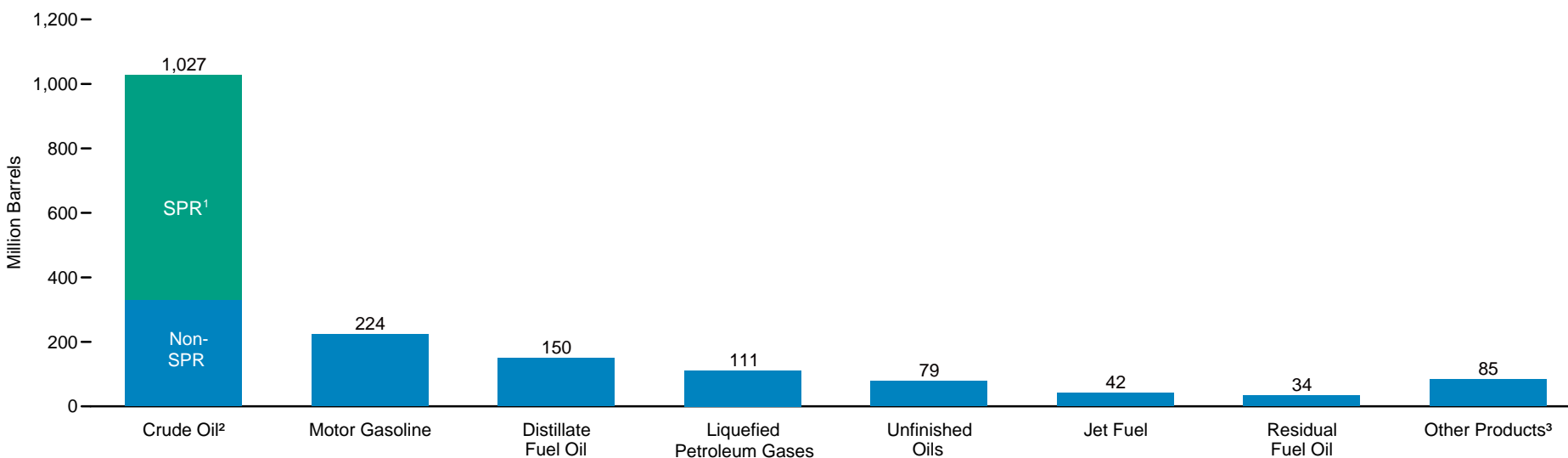
Sources: • 1984—U.S. Energy Information Administration (EIA), *Petroleum Marketing Annual 1988* (October 1989), Tables A1–A3, and unpublished revision. • 1985–2004—EIA, *Fuel Oil and Kerosene Sales*, annual reports, Tables 1–3, and unpublished revisions. • 2005 forward—EIA, *Fuel Oil and Kerosene Sales 2010* (February 2012).

Figure 5.16 Petroleum Primary Stocks by Type, End of Year

Total Stocks and Strategic Petroleum Reserve (SPR) Stocks, 1949-2011



By Type, 2011



¹ Crude oil stocks in the SPR include non-U.S. stocks held under foreign or commercial storage agreements. See Figure 5.17 for additional information about the SPR.

² Includes lease condensate and crude oil stored in the Strategic Petroleum Reserve (SPR).

³ Asphalt and road oil, aviation gasoline and blending components, kerosene, lubricants, naphtha-type jet fuel, pentanes plus, petrochemical feedstocks, petroleum coke, special naphthas, waxes, other hydrocarbons and oxygenates, and miscellaneous products.

Source: Table 5.16.

Table 5.16 Petroleum Primary Stocks by Type, Selected Years, End of Year 1949-2011

(Million Barrels)

Year	Crude Oil and Lease Condensate			Petroleum Products								Total Petroleum	
	SPR ¹	Non-SPR ^{2,3}	Total ³	Distillate Fuel Oil ⁴	Jet Fuel ⁵	Liquefied Petroleum Gases		Motor Gasoline ⁷	Residual Fuel Oil	Unfinished Oils	Other Products ⁸		Total Products
						Propane ⁶	Total						
1949	0	253	253	75	(⁵)	(⁹)	1	110	60	66	37	350	603
1950	0	248	248	72	(⁵)	(⁹)	2	116	41	70	34	334	583
1955	0	266	266	111	3	(⁹)	7	165	39	68	55	449	715
1960	0	240	240	138	7	(⁹)	23	195	45	62	76	545	785
1965	0	220	220	155	19	(⁹)	30	175	56	89	92	616	836
1970	0	276	276	195	28	(⁹)	67	209	54	99	89	741	1,018
1975	0	271	271	209	30	82	125	235	74	106	82	862	1,133
1976	0	285	285	186	32	74	116	231	72	110	78	826	1,112
1977	7	340	348	250	35	81	136	258	90	113	82	964	1,312
1978	67	309	376	216	34	87	132	238	90	109	82	901	1,278
1979	91	339	430	229	39	64	111	237	96	118	82	911	1,341
1980	108	358	466	205	42	65	120	261	92	124	82	926	1,392
1981	230	363	594	192	41	76	135	253	78	111	80	890	1,484
1982	294	350	644	179	37	54	94	235	66	105	70	786	1,430
1983	379	344	723	140	39	48	101	222	49	108	72	731	1,454
1984	451	345	796	161	42	58	101	243	53	94	67	760	1,556
1985	493	321	814	144	40	39	74	223	50	107	67	705	1,519
1986	512	331	843	155	50	63	103	233	47	94	68	750	1,593
1987	541	349	890	134	50	48	97	226	47	93	70	718	1,607
1988	560	330	890	124	44	50	97	228	45	100	70	707	1,597
1989	580	341	921	106	41	32	80	213	44	106	70	660	1,581
1990	586	323	908	132	52	49	98	220	49	99	63	712	1,621
1991	569	325	893	144	49	48	92	219	50	98	72	724	1,617
1992	575	318	893	141	43	39	89	216	43	95	73	699	1,592
1993	587	335	922	141	40	51	106	226	44	88	78	725	1,647
1994	592	337	929	145	47	46	99	215	42	91	84	724	1,653
1995	592	303	895	130	40	43	93	202	37	86	79	668	1,563
1996	566	284	850	127	40	43	86	195	46	88	76	658	1,507
1997	563	305	868	138	44	44	89	210	40	89	81	692	1,560
1998	571	324	895	156	45	65	115	216	45	91	85	752	1,647
1999	567	284	852	125	41	43	89	193	36	86	70	641	1,493
2000	541	286	826	118	45	41	83	196	36	87	77	641	1,468
2001	550	312	862	145	42	66	121	210	41	88	78	724	1,586
2002	599	278	877	134	39	53	106	209	31	76	76	671	1,548
2003	638	269	907	137	39	50	94	207	38	76	71	661	1,568
2004	676	286	961	126	40	55	104	218	42	81	72	683	1,645
2005	685	324	1,008	136	42	57	109	208	37	86	71	689	1,698
2006	689	312	1,001	144	39	62	113	212	42	84	85	719	1,720
2007	697	286	983	134	39	52	96	218	39	81	75	682	1,665
2008	702	326	1,028	146	38	55	113	214	36	83	79	709	1,737
2009	727	325	1,052	166	43	50	102	223	37	80	73	725	1,776
2010	727	^R 333	^R 1,060	164	43	49	^R 108	219	41	81	77	^R 734	1,794
2011 ^P	696	331	1,027	150	42	55	111	224	34	79	85	725	1,751

¹ "SPR" is the Strategic Petroleum Reserve, which began in 1977. Crude oil stocks in the SPR include non-U.S. stocks held under foreign or commercial storage agreements.

² All crude oil and lease condensate stocks other than those in "SPR."

³ Beginning in 1981, includes stocks of Alaskan crude oil in transit.

⁴ Does not include stocks that are held in the Northeast Heating Oil Reserve.

⁵ Through 1951, naphtha-type jet fuel is included in the products from which it was blended: in 1952, 71 percent gasoline, 17 percent kerosene, and 12 percent distillate fuel oil. Through 1964, kerosene-type jet fuel is included with kerosene in "Other Products." Beginning in 2005, naphtha-type jet fuel is included in "Other Products."

⁶ Includes propylene.

⁷ Finished motor gasoline, motor gasoline blending components, and gasohol. Through 1963, also includes aviation gasoline and special naphthas.

⁸ Asphalt and road oil, aviation gasoline blending components, kerosene, lubricants, pentanes plus,

petrochemical feedstocks, petroleum coke, waxes, other hydrocarbons and oxygenates, and miscellaneous products. Through 1964, also includes kerosene-type jet fuel. Beginning in 1964, also includes aviation gasoline and special naphthas. Beginning in 2005, also includes naphtha-type jet fuel.

⁹ Included in "Liquefied Petroleum Gases Total."

R=Revised. P=Preliminary.

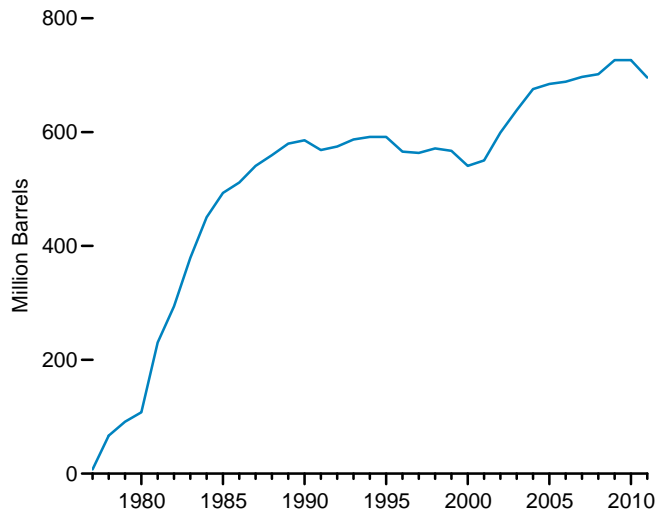
Note: Totals may not equal sum of components due to independent rounding.

Web Pages: • See <http://www.eia.gov/totalenergy/data/monthly/#petroleum> for updated monthly and annual data. • See <http://www.eia.gov/totalenergy/data/annual/#petroleum> for all annual data beginning in 1949. • See <http://www.eia.gov/petroleum/> for related information.

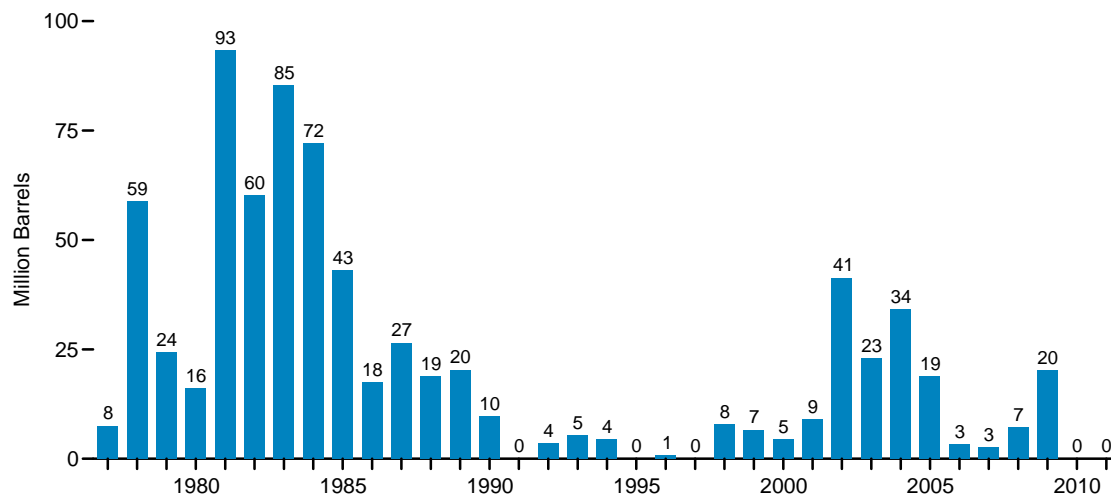
Sources: • 1949-1975—Bureau of Mines, Mineral Industry Surveys, *Petroleum Statement, Annual, annual reports*. • 1976-1980—U.S. Energy Information Administration (EIA), *Energy Data Reports, Petroleum Statement, Annual, annual reports*. • 1981-2010—EIA, *Petroleum Supply Annual, annual reports*. • 2011—EIA, *Petroleum Supply Monthly* (February 2012).

Figure 5.17 Strategic Petroleum Reserve, 1977-2011

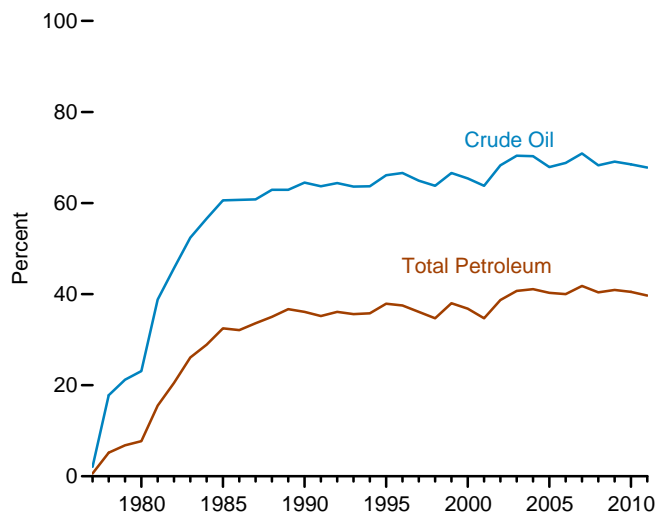
End-of-Year Stocks in SPR



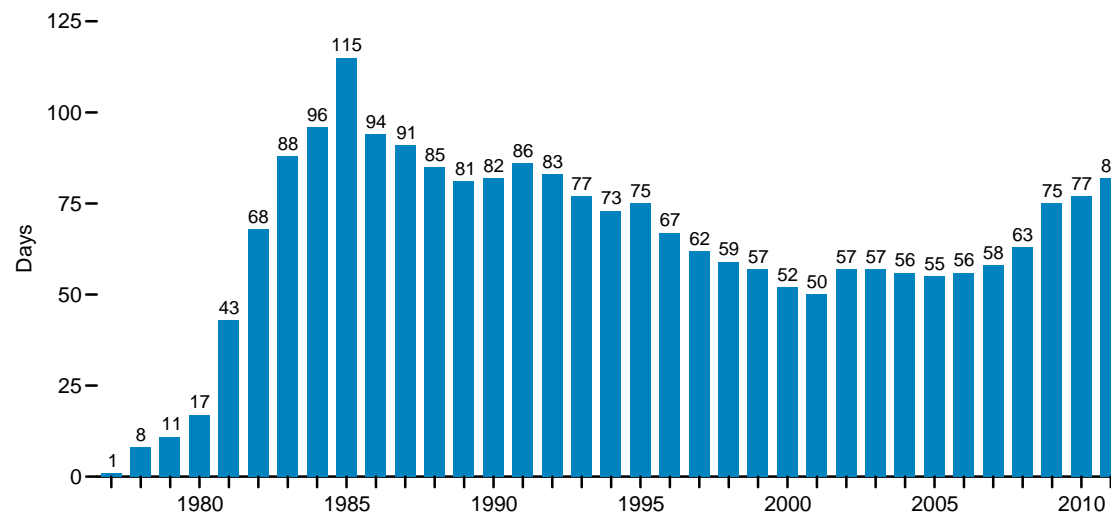
Crude Oil Imports for SPR¹



SPR as Share of Domestic Stocks



SPR Stocks as Days of Petroleum Net Imports²



¹ Imported by SPR and imported by others for SPR.

² Derived by dividing end-of-year SPR stocks by annual average daily net imports of all petroleum.

Note: SPR=Strategic Petroleum Reserve.

Source: Table 5.17.

Table 5.17 Strategic Petroleum Reserve, 1977-2011

(Million Barrels, Except as Noted)

Year	Foreign Crude Oil Receipts		Domestic Crude Oil Receipts		Withdrawals		End-of-Year Stocks			Days of Petroleum Net Imports ⁴
	Imported by SPR	Imported by Others ^{1,2}	Purchases	Exchanges ²	Sales	Exchanges	Quantity	Percent of Crude Oil ³ Stocks	Percent of Total Petroleum Stocks	
1977	7.54	0.00	⁵ 0.37	0.00	0.00	0.00	7.46	2.1	0.6	1
1978	58.80	.00	.00	.00	.00	.00	66.86	17.8	5.2	8
1979	24.43	.00	(s)	.00	.00	.00	91.19	21.2	6.8	11
1980	16.07	.00	1.30	.00	.00	.00	107.80	23.1	7.7	17
1981	93.30	.00	28.79	.00	.00	.00	230.34	38.8	15.5	43
1982	60.19	.00	3.79	.00	.00	.00	293.83	45.7	20.5	68
1983	85.29	.00	.42	.00	.00	.00	379.09	52.4	26.1	88
1984	72.04	.00	.05	.00	.00	.00	450.51	56.6	28.9	96
1985	43.12	.00	.17	.00	.00	.00	493.32	60.6	32.5	115
1986	17.56	.00	1.21	.00	.00	.00	511.57	60.7	32.1	94
1987	26.52	.00	2.69	.00	.00	.00	540.65	60.8	33.6	91
1988	18.76	.00	.01	.00	.00	.00	559.52	62.9	35.0	85
1989	20.35	.00	.00	.00	.00	.00	579.86	62.9	36.7	81
1990	9.77	.00	.00	.00	3.91	.00	585.69	64.5	36.1	82
1991	.00	.00	.00	.00	17.22	.00	568.51	63.7	35.2	86
1992	3.59	.00	2.60	.00	.00	.00	574.72	64.4	36.1	83
1993	5.37	.00	6.96	.00	.00	.00	587.08	63.6	35.6	77
1994	4.49	.00	.11	.00	.00	.00	591.67	63.7	35.8	73
1995	.00	.00	.00	.00	.00	.00	591.64	66.1	37.9	75
1996	.00	.90	.00	.00	25.82	.90	565.82	66.6	37.5	67
1997	.00	.00	.00	.00	2.33	.00	563.43	64.9	36.1	62
1998	.00	7.98	.00	.00	.00	.00	571.41	63.8	34.7	59
1999	3.04	3.60	.00	1.42	.00	10.75	567.24	66.6	38.0	57
2000	3.01	1.50	.00	2.29	.00	⁶ 33.35	540.68	65.4	36.8	52
2001	3.91	5.07	.58	.00	.00	.00	550.24	63.8	34.7	50
2002	5.77	35.59	.00	7.64	.00	.00	599.09	68.3	38.7	57
2003	.00	22.94	.00	16.40	.00	.00	638.39	70.4	40.7	57
2004	.00	34.24	.00	8.47	.00	5.44	675.60	70.3	41.1	56
2005	.00	18.88	.00	8.41	11.03	9.82	684.54	67.9	40.3	55
2006	.00	3.31	.00	2.44	.00	1.57	688.61	68.8	40.0	56
2007	.00	2.70	.00	1.68	.00	.00	696.94	70.9	41.8	58
2008	.00	7.11	.00	3.20	.00	5.40	701.82	68.3	40.4	63
2009	.00	20.29	.00	4.47	.00	.00	726.62	69.1	40.9	75
2010	.00	.00	.00	.38	.00	.40	726.55	^R 68.5	40.5	77
2011	.00	.00	.00	.00	30.59	.00	695.95	67.8	39.7	82

¹ Imported crude oil received represents volumes of imported crude oil received at SPR storage facilities for which the costs associated with the importation and delivery of crude oil are the responsibility of the commercial importer under contract to supply the SPR.

² The values shown for 1998 and 1999 represent an exchange agreement in which SPR received approximately 8.5 million barrels of high quality oil in exchange for approximately 11 million barrels of lower quality crude oil shipped from SPR during 1999 and 2000. Also, beginning in 1999, a portion of the crude oil in-kind royalties from Federal leases in the Gulf of Mexico was transferred to the U.S. Department of Energy and exchanged with commercial entities for crude oil to fill the SPR. Crude oil exchange barrels delivered to SPR could be either domestic or imported as long as the crude oil met the specification requirements of SPR. All exchange barrels of imported crude oil are included in "Foreign Crude Oil Receipts, Imported by Others," while exchange barrels of domestic crude oil are included in "Domestic Crude Oil Receipts, Exchanges."

³ Includes lease condensate stocks.

⁴ Derived by dividing end-of-year SPR stocks by annual average daily net imports of all petroleum. Calculated prior to rounding.

⁵ The quantity of domestic fuel oil which was in storage prior to injection of foreign crude oil.

⁶ Includes 30 million barrels released to increase heating oil stocks in exchange for a like quantity plus a bonus percentage to be returned in 2001 and 2002, as well as additional barrels to create a Northeast Home Heating Oil Reserve.

R=Revised. (s)=Less than 0.005 million barrels.

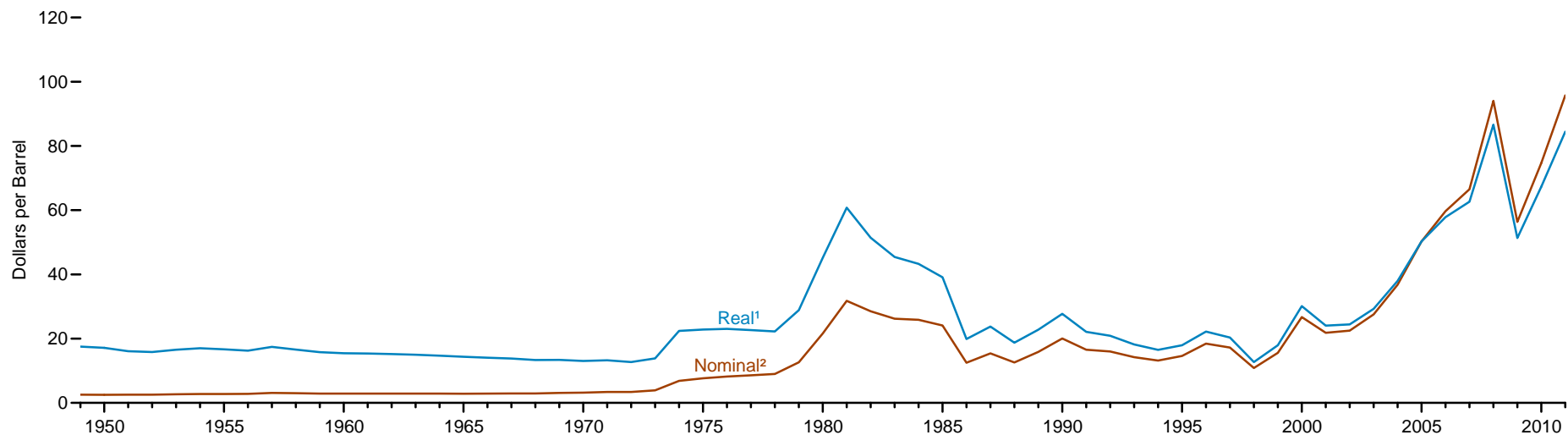
Note: "SPR" is the Strategic Petroleum Reserve—petroleum stocks maintained by the Federal Government for use during periods of major supply interruption.

Web Page: For related information, see <http://www.eia.gov/petroleum/>.

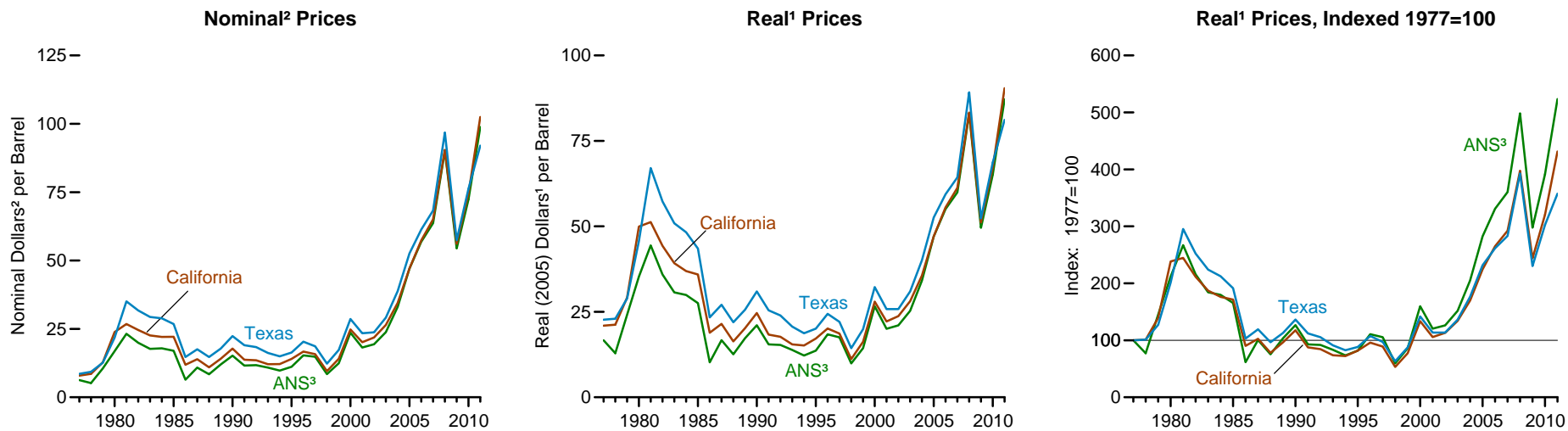
Sources: **Imported by SPR** and **End-of-Year Stocks, Quantity:** • 1977-1980—U.S. Energy Information Administration (EIA), Energy Data Report, *Petroleum Statement, Annual*, annual reports. • 1981-2010—EIA, *Petroleum Supply Annual*, annual reports. • 2011—EIA, *Petroleum Supply Monthly* (February 2012). **Imported by Others, Domestic Crude Oil Receipts,** and **Withdrawals:** U.S. Department of Energy, Assistant Secretary for Fossil Energy, unpublished data. **All Other Data:** Calculated.

Figure 5.18 Crude Oil Domestic First Purchase Prices

U.S. Average Prices, 1949-2011



Alaska North Slope, California, and Texas 1977-2011



¹ In chained (2005) dollars, calculated by using gross domestic product implicit price deflators in Table D1. See "Chained Dollars" in Glossary.

² See "Nominal Dollars" in Glossary.

³ Alaska North Slope. Source: Table 5.18.

Table 5.18 Crude Oil Domestic First Purchase Prices, Selected Years, 1949-2011

(Dollars per Barrel)

Year	Alaska North Slope		California		Texas		U.S. Average	
	Nominal ¹	Real ²	Nominal ¹	Real ²	Nominal ¹	Real ²	Nominal ¹	Real ²
1949	--	--	NA	NA	NA	NA	2.54	R17.52
1950	--	--	NA	NA	NA	NA	2.51	R17.13
1955	--	--	NA	NA	NA	NA	2.77	R16.69
1960	NA	NA	NA	NA	NA	NA	2.88	R15.47
1965	NA	NA	NA	NA	NA	NA	2.86	R14.35
1970	NA	NA	NA	NA	NA	NA	3.18	R13.07
1975	NA	NA	NA	NA	NA	NA	7.67	R22.83
1976	NA	NA	NA	NA	NA	NA	8.19	R23.06
1977	R6.29	R16.65	7.92	R20.96	8.58	R22.71	8.57	R22.68
1978	5.21	R12.88	8.58	R21.22	9.29	R22.98	9.00	R22.26
1979	10.57	R24.13	12.78	R29.18	12.65	R28.88	12.64	R28.86
1980	16.87	R35.30	23.87	R49.95	21.84	R45.70	21.59	R45.18
1981	23.23	R44.44	26.80	R51.27	35.06	R67.07	31.77	R60.78
1982	19.92	R35.92	24.58	R44.32	31.77	R57.29	28.52	R51.43
1983	17.69	R30.68	22.61	R39.22	29.35	R50.91	26.19	R45.43
1984	17.91	R29.94	22.09	R36.93	28.87	R48.26	25.88	R43.27
1985	16.98	R27.55	22.14	R35.93	26.80	R43.49	24.09	R39.09
1986	6.45	R10.24	11.90	R18.89	14.73	R23.38	12.51	R19.86
1987	10.83	R16.71	13.92	R21.48	17.55	R27.08	15.40	R23.76
1988	8.43	R12.57	10.97	R16.36	14.71	R21.94	12.58	R18.76
1989	12.00	R17.25	14.06	R20.21	17.81	R25.60	15.86	R22.79
1990	15.23	R21.08	17.81	R24.65	22.37	R30.96	20.03	R27.72
1991	11.57	R15.46	13.72	R18.34	19.04	R25.45	16.54	R22.11
1992	11.73	R15.31	13.55	R17.69	18.32	R23.92	15.99	R20.88
1993	10.84	R13.85	12.11	R15.47	16.19	R20.68	14.25	R18.20
1994	9.77	R12.22	12.12	R15.16	14.98	R18.74	13.19	R16.50
1995	11.12	R13.63	14.00	R17.16	16.38	R20.07	14.62	R17.92
1996	15.32	R18.42	16.72	R20.11	20.31	R24.42	18.46	R22.20
1997	14.84	R17.54	15.78	R18.65	18.66	R22.05	17.23	R20.36
1998	8.47	R9.90	9.55	R11.16	12.28	R14.35	10.87	R12.70
1999	12.46	R14.35	14.08	R16.21	17.29	R19.91	15.56	R17.92
2000	23.62	R26.62	24.82	R27.97	28.60	R32.24	26.72	R30.12
2001	18.18	R20.04	20.11	R22.17	23.41	R25.80	21.84	R24.07
2002	19.37	R21.01	21.87	R23.72	23.77	R25.78	22.51	R24.42
2003	23.78	R25.26	26.43	R28.08	29.13	R30.94	27.56	R29.28
2004	33.03	R34.13	34.47	R35.61	38.79	R40.08	36.77	R37.99
2005	47.05	47.05	47.08	47.08	52.61	52.61	50.28	50.28
2006	56.86	R55.08	57.34	R55.55	61.31	R59.39	59.69	R57.82
2007	63.69	R59.96	65.07	R61.26	68.30	R64.30	66.52	R62.62
2008	90.10	R82.98	90.47	R83.32	96.85	R89.20	94.04	R86.61
2009	54.41	R49.59	56.11	R51.14	57.40	R52.31	56.35	R51.35
2010	72.33	R65.17	74.51	R67.13	76.23	R68.68	74.71	R67.31
2011	98.79	87.15	102.50	90.42	91.99	81.15	95.73	84.45

¹ See "Nominal Dollars" in Glossary.

² In chained (2005) dollars, calculated by using gross domestic product implicit price deflators in Table D1. See "Chained Dollars" in Glossary.

³ Average for July through December only.

R=Revised. NA=Not available. -- =Not applicable.

Note: Prices are for the marketed first sales price of domestic crude oil. See Note 4, "Crude Oil Domestic First Purchase Prices," at end of section.

Web Pages: • See <http://www.eia.gov/totalenergy/data/monthly/#prices> for updated monthly and annual

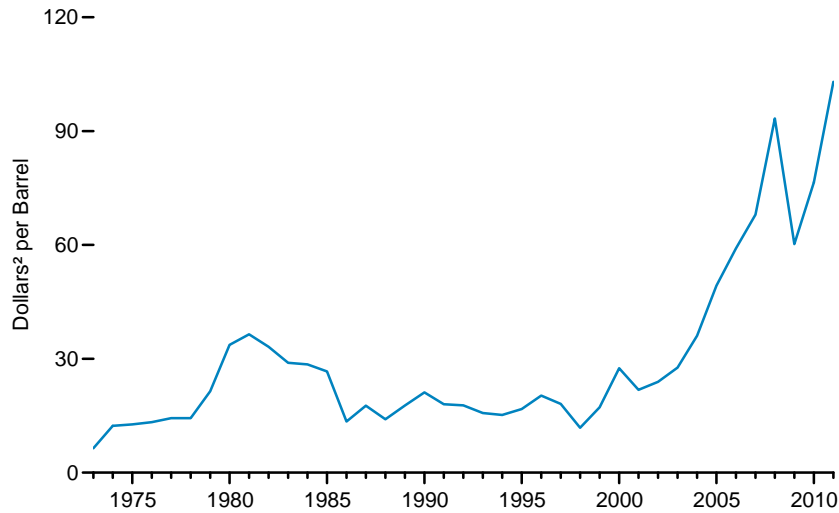
data. • See <http://www.eia.gov/totalenergy/data/annual/#petroleum> for all annual data beginning in 1949.

• See <http://www.eia.gov/petroleum/> for related information.

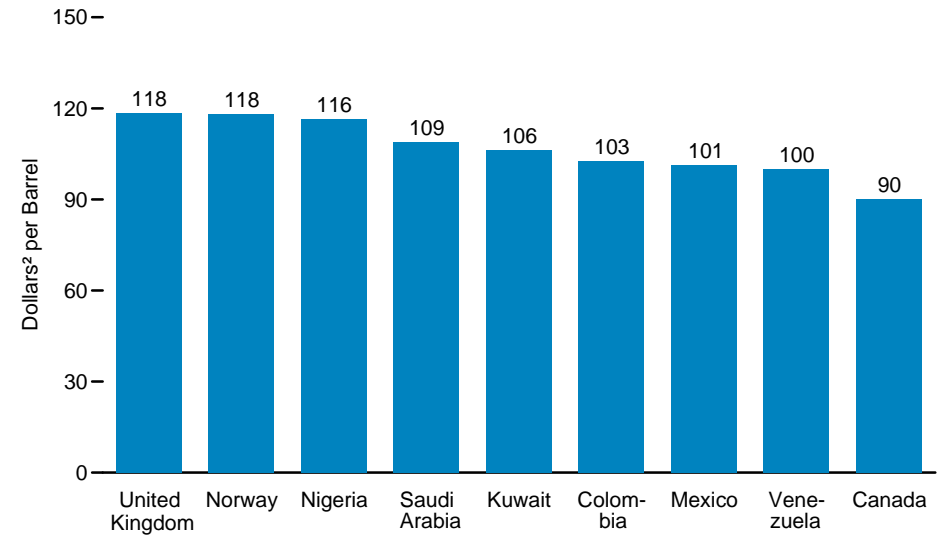
Sources: • 1949-1973—Bureau of Mines, *Minerals Yearbook*, "Crude Petroleum and Petroleum Products" chapter. • 1974-January 1976—Federal Energy Administration (FEA), Form FEA-90, "Crude Petroleum Production Monthly Report." • February 1976-1977—FEA, Form FEA-P-124, "Domestic Crude Oil Purchaser's Monthly Report." • 1978-1984—U.S. Energy Information Administration (EIA), *Petroleum Marketing Annual*, annual reports. • 1985 forward—EIA, *Petroleum Marketing Monthly* (April 2012), Table 18.

Figure 5.19 Landed Costs of Crude Oil Imports From Selected Countries

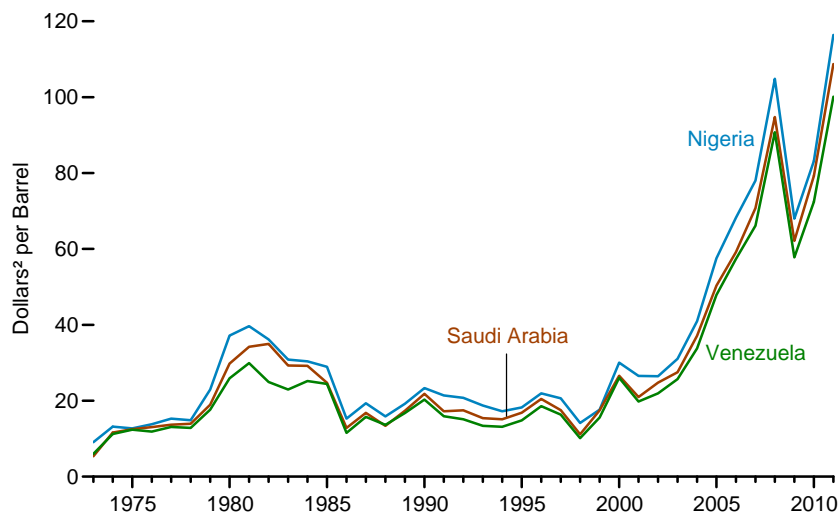
Total, 1973¹-2011



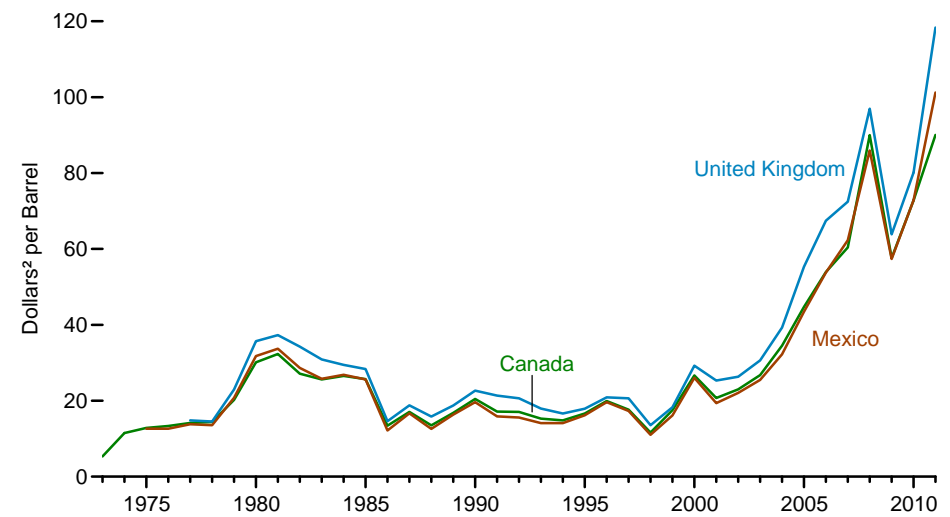
By Selected Country, 2011



By Selected OPEC Country, 1973¹-2011



By Selected Non-OPEC Country, 1973¹-2011



¹ 1973 cost is based on October, November, and December data only.

² Prices are not adjusted for inflation. See "Nominal Dollars" in Glossary.

Note: OPEC=Organization of the Petroleum Exporting Countries.
Source: Table 5.19.

Table 5.19 Landed Costs of Crude Oil Imports From Selected Countries, 1973-2011

(Dollars ¹ per Barrel)

Year	Persian Gulf ³	Selected OPEC ² Countries					Selected Non-OPEC ² Countries						Total
		Kuwait	Nigeria	Saudi Arabia	Venezuela	Total OPEC ⁴	Canada	Colombia	Mexico	Norway	United Kingdom	Total Non-OPEC ⁴	
1973 ⁵	5.91	W	9.08	5.37	5.99	6.85	5.33	W	—	—	—	5.64	6.41
1974	12.21	W	13.16	11.63	11.25	12.49	11.48	W	W	—	—	11.81	12.32
1975	12.64	W	12.70	12.50	12.36	12.70	12.84	—	12.61	12.80	—	12.70	12.70
1976	13.03	W	13.81	13.06	11.89	13.32	13.36	—	12.64	13.74	W	13.35	13.32
1977	13.85	W	15.29	13.69	13.11	14.35	14.13	—	13.82	14.93	14.83	14.42	14.36
1978	14.01	W	14.88	13.94	12.84	14.34	14.41	—	13.56	14.68	14.53	14.38	14.35
1979	20.42	W	22.97	18.95	17.65	21.29	20.22	—	20.77	22.55	22.97	22.10	21.45
1980	30.59	W	37.15	29.80	25.92	33.56	30.11	W	31.77	36.82	35.68	33.99	33.67
1981	34.61	—	39.66	34.20	29.91	36.60	32.32	—	33.70	38.70	37.29	36.14	36.47
1982	34.94	—	36.16	34.99	24.93	34.81	27.15	—	28.63	34.70	34.25	31.47	33.18
1983	29.37	—	30.85	29.27	22.94	29.84	25.63	—	25.78	30.72	30.87	28.08	28.93
1984	29.07	W	30.36	29.20	25.19	29.06	26.56	—	26.85	30.05	29.45	28.14	28.54
1985	25.50	—	28.96	24.72	24.43	26.86	25.71	—	25.63	28.32	28.36	26.53	26.67
1986	12.92	11.70	15.29	12.84	11.52	13.46	13.43	12.85	12.17	15.98	14.63	13.52	13.49
1987	17.47	18.14	19.32	16.81	15.76	17.64	17.04	18.43	16.69	19.10	18.78	17.66	17.65
1988	13.51	12.84	15.88	13.37	13.66	14.18	13.50	14.47	12.58	15.43	15.82	13.96	14.08
1989	17.37	16.90	19.19	17.34	16.78	17.78	16.81	18.10	16.35	19.06	18.74	17.54	17.68
1990	20.55	17.01	23.33	21.82	20.31	21.23	20.48	22.34	19.64	21.11	22.65	20.98	21.13
1991	17.34	18.48	21.39	17.22	15.92	18.08	17.16	19.55	15.89	21.44	21.37	17.93	18.02
1992	17.58	16.99	20.78	17.48	15.13	17.81	17.04	18.46	15.60	20.90	20.63	17.67	17.75
1993	15.26	14.23	18.73	15.40	13.39	15.68	15.27	16.54	14.11	18.99	17.92	15.78	15.72
1994	15.00	14.49	17.21	15.11	13.12	15.08	14.83	15.80	14.09	17.09	16.64	15.29	15.18
1995	16.78	16.47	18.25	16.84	14.81	16.61	16.65	17.45	16.19	18.06	17.91	16.95	16.78
1996	20.45	20.32	21.95	20.49	18.59	20.14	19.94	22.02	19.64	21.34	20.88	20.47	20.31
1997	17.44	17.03	20.64	17.52	16.35	17.73	17.63	19.71	17.30	20.26	20.64	18.45	18.11
1998	11.18	11.00	14.14	11.16	10.16	11.46	11.62	13.26	11.04	13.83	13.55	12.22	11.84
1999	17.37	16.77	17.63	17.48	15.58	16.94	17.54	18.09	16.12	19.06	18.26	17.51	17.23
2000	26.77	26.28	30.04	26.58	26.05	27.29	26.69	29.68	26.03	30.13	29.26	27.80	27.53
2001	20.73	19.66	26.55	20.98	19.81	21.52	20.72	25.88	19.37	25.77	25.32	22.17	21.82
2002	24.13	23.04	26.45	24.77	21.93	23.83	22.98	25.28	22.09	26.60	26.35	23.97	23.91
2003	27.54	26.82	31.07	27.50	25.70	27.70	26.76	30.55	25.48	30.51	30.62	27.68	27.69
2004	36.53	35.89	40.95	37.11	33.79	36.84	34.51	39.03	32.25	39.92	39.28	35.29	36.07
2005	49.68	48.36	57.55	50.31	47.87	51.36	44.73	53.42	43.47	56.23	55.28	47.31	49.29
2006	58.92	57.64	68.26	59.19	57.37	61.21	53.90	62.13	53.76	64.39	67.44	57.14	59.11
2007	69.83	66.01	78.01	70.78	66.13	71.14	60.38	70.91	62.31	71.66	72.47	63.96	67.97
2008	93.59	86.35	104.83	94.75	90.76	95.49	90.00	93.43	85.97	104.13	96.95	90.59	93.33
2009	62.15	61.12	68.01	62.14	57.78	61.90	57.60	58.50	57.35	59.80	63.87	58.58	60.23
2010	^R 78.58	^R 75.91	^R 83.15	^R 79.25	^R 72.43	^R 78.27	^R 72.80	^R 74.25	^R 72.86	^R 82.20	^R 80.12	^R 74.67	^R 76.49
2011 ^P	108.01	106.33	116.40	108.74	100.14	107.83	90.03	102.53	101.22	118.09	118.35	98.76	102.98

¹ Prices are not adjusted for inflation. See "Nominal Dollars" in Glossary.

² See "Organization of the Petroleum Exporting Countries (OPEC)" in Glossary.

³ Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, United Arab Emirates, and the Neutral Zone (between Kuwait and Saudi Arabia).

⁴ On this table, "Total OPEC" for all years includes Algeria, Iran, Iraq, Kuwait, Libya, Nigeria, Qatar, Saudi Arabia, United Arab Emirates, and Venezuela; for 1973–2008, also includes Indonesia; for 1973–1992 and beginning in 2008, also includes Ecuador (although Ecuador rejoined OPEC in November 2007, on this table Ecuador is included in "Total Non-OPEC" for 2007); for 1974–1995, also includes Gabon (although Gabon was a member of OPEC for only 1975–1994); and beginning in 2007, also includes Angola. Data for all countries not included in "Total OPEC" are included in "Total Non-OPEC."

⁵ Based on October, November, and December data only.

R=Revised. P=Preliminary. —=No data reported. W=Value withheld to avoid disclosure of individual

company data.

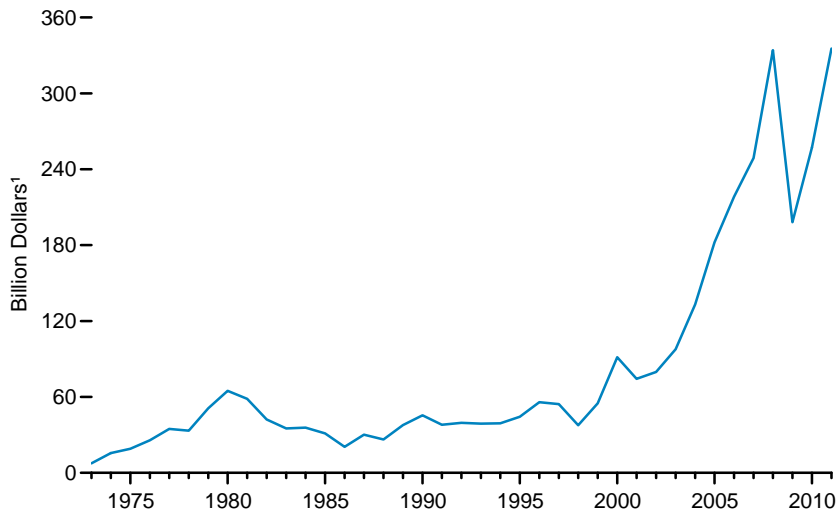
Notes: • Data are for landed costs of crude oil imports only; they do not account for refined petroleum products imported into the United States. • See "Crude Oil Landed Cost" in Glossary. • Totals may not equal sum of components due to independent rounding.

Web Pages: • See <http://www.eia.gov/totalenergy/data/monthly/#prices> for updated monthly and annual data. • See <http://www.eia.gov/petroleum/> for related information.

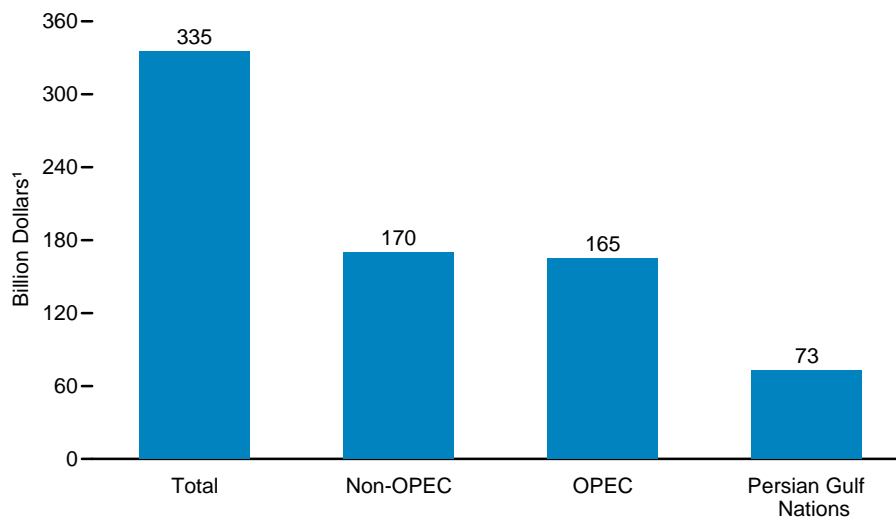
Sources: • 1973-September 1977—Federal Energy Administration, Form FEA-F701-M-0, "Transfer Pricing Report." • October 1977-December 1978—U.S. Energy Information Administration (EIA), Form FEA-F701-M-0, "Transfer Pricing Report." • January 1979-September 1982—EIA, Form ERA-51, "Transfer Pricing Report." • October 1982-June 1984—EIA, Form EP-51, "Monthly Foreign Crude Oil Transaction Report." • July 1984 forward—EIA, *Petroleum Marketing Monthly* (April 2012), Table 22; and EIA, Form EIA-856, "Monthly Foreign Crude Oil Acquisition Report."

Figure 5.20 Value of Crude Oil Imports

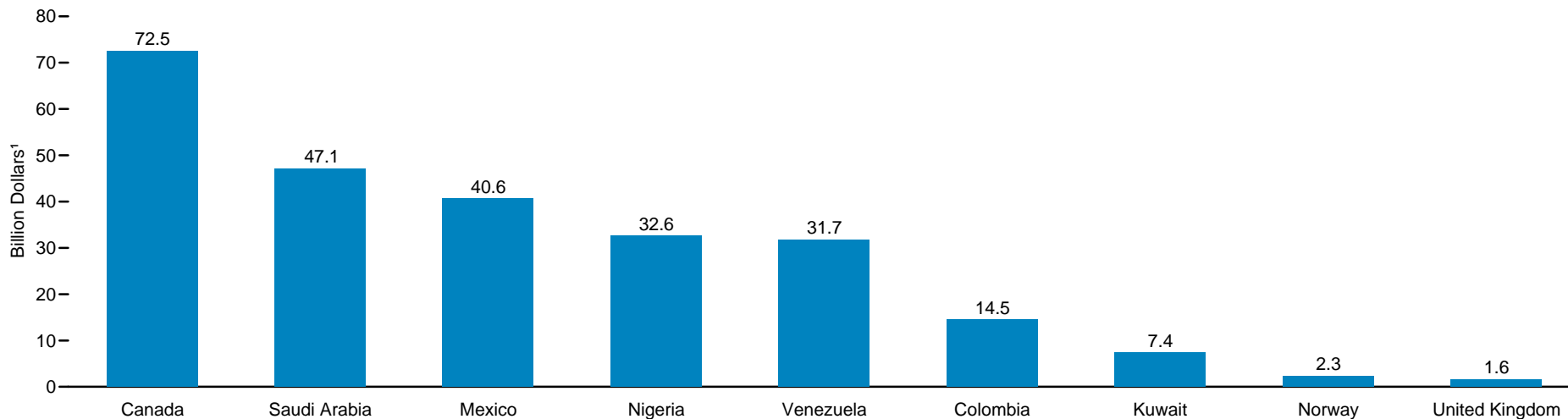
Total, 1973-2011



Totals, 2011



By Selected Country, 2011



¹Prices are not adjusted for inflation. See "Nominal Dollars" in Glossary.
 Note: OPEC=Organization of the Petroleum Exporting Countries.

Source: Table 5.20.

Table 5.20 Value of Crude Oil Imports From Selected Countries, 1973-2011

(Billion Dollars ¹)

Year	Persian Gulf ³	Selected OPEC ² Countries					Selected Non-OPEC ² Countries					Total ⁵	
		Kuwait	Nigeria	Saudi Arabia	Venezuela	Total OPEC ⁴	Canada	Colombia	Mexico	Norway	United Kingdom		Total Non-OPEC ⁴
1973	1.7	W	1.5	0.9	0.8	5.2	1.9	W	—	0.0	0.0	2.4	7.6
1974	4.4	W	3.3	1.9	1.3	11.6	3.3	.0	W	—	.0	4.1	15.6
1975	5.2	W	3.5	3.2	1.8	14.9	2.8	.0	.3	.1	—	4.1	19.0
1976	8.7	W	5.1	5.8	1.0	22.2	1.8	—	.4	.2	W	3.6	25.8
1977	12.2	W	6.3	6.9	1.2	29.6	1.4	.0	.9	.3	.5	5.1	34.7
1978	11.3	W	4.9	5.8	.8	27.1	1.3	.0	1.6	.6	.9	6.2	33.3
1979	15.3	W	9.0	9.3	1.9	39.7	2.0	.0	3.3	.6	1.7	11.3	51.0
1980	16.9	W	11.4	13.6	1.5	47.5	2.2	.0	5.9	1.9	2.3	17.4	64.9
1981	15.1	.0	8.8	13.9	1.6	39.0	1.9	.0	5.8	1.6	5.0	19.5	58.5
1982	8.4	—	6.7	6.8	1.4	22.0	2.1	.0	6.7	1.3	5.5	20.2	42.2
1983	4.3	—	3.4	3.4	1.4	16.1	2.6	.0	7.2	.7	4.1	19.1	35.2
1984	4.8	W	2.3	3.3	2.3	16.1	3.3	.0	6.5	1.2	4.1	19.7	35.8
1985	2.3	—	3.0	1.2	2.7	12.9	4.4	.0	6.7	.3	2.9	18.3	31.2
1986	3.8	.1	2.4	2.9	1.8	10.4	2.8	.3	2.8	.3	1.7	10.2	20.6
1987	6.0	.5	3.7	3.9	2.8	15.5	3.8	.8	3.7	.5	2.1	14.7	30.1
1988	6.7	.4	3.5	4.4	2.2	14.0	3.4	.6	3.1	.3	1.5	12.3	26.3
1989	11.0	1.0	5.6	7.1	3.0	21.9	3.9	.9	4.3	.9	1.1	15.8	37.7
1990	13.5	.5	6.7	9.5	4.9	27.2	4.8	1.1	4.9	.7	1.3	18.2	45.5
1991	11.0	(s)	5.3	10.7	3.9	22.3	4.7	.9	4.4	.6	.8	15.7	38.0
1992	10.5	.2	5.1	10.2	4.6	22.2	5.0	.7	4.5	.9	1.5	17.3	39.5
1993	9.1	1.8	4.9	7.2	4.9	20.7	5.0	.9	4.4	.9	2.0	18.3	38.9
1994	8.8	1.6	3.9	7.2	5.0	19.7	5.3	.8	4.8	1.2	2.4	19.4	39.1
1995	9.1	1.3	4.1	7.7	6.2	21.6	6.3	1.3	6.1	1.7	2.2	22.6	44.3
1996	11.1	1.8	4.8	9.4	8.9	25.3	7.8	1.8	8.7	2.3	1.6	30.5	55.8
1997	10.4	1.6	5.2	8.3	8.3	24.4	7.7	1.9	8.6	2.1	1.3	29.9	54.4
1998	8.3	1.2	3.6	5.7	5.1	17.4	5.4	1.7	5.3	1.1	.8	20.2	37.6
1999	15.0	1.5	4.0	8.8	6.5	26.1	7.5	3.0	7.4	1.8	1.9	28.8	54.9
2000	23.6	2.5	9.6	14.8	11.7	45.4	13.2	3.5	12.5	3.3	3.1	46.0	91.4
2001	20.2	1.7	8.2	12.3	9.3	38.1	10.3	2.5	9.9	2.6	2.3	36.2	74.3
2002	19.5	1.8	5.7	13.7	9.6	35.5	12.1	2.2	12.1	3.4	3.9	44.3	79.8
2003	24.4	2.0	9.4	17.3	11.1	46.3	15.1	1.8	14.6	2.0	4.0	51.4	97.7
2004	32.1	3.2	16.2	20.3	16.0	68.0	20.4	2.0	18.9	2.1	3.4	65.2	133.2
2005	40.0	4.0	22.6	26.5	21.7	90.3	26.7	3.0	24.7	2.4	4.5	91.9	182.2
2006	46.5	3.8	25.8	30.7	23.9	106.9	35.5	3.2	30.9	2.3	3.2	111.4	218.3
2007	53.9	4.2	30.9	37.4	27.7	139.9	41.6	3.6	32.0	1.5	2.7	109.0	248.9
2008	80.1	6.5	35.4	52.1	34.5	189.2	64.4	6.1	37.3	1.1	2.8	145.0	334.2
2009	37.6	4.0	19.3	22.2	20.1	98.4	40.8	5.4	22.9	1.3	2.4	99.7	198.1
2010	R48.6	5.4	R29.8	R31.3	24.1	R130.1	52.4	9.2	R30.6	.8	3.5	R127.2	R257.2
2011 ^P	72.9	7.4	32.6	47.1	31.7	165.1	72.5	14.5	40.6	2.3	1.6	170.2	335.3

¹ Prices are not adjusted for inflation. See "Nominal Dollars" in Glossary.

² See "Organization of the Petroleum Exporting Countries (OPEC)" in Glossary.

³ Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, United Arab Emirates, and the Neutral Zone (between Kuwait and Saudi Arabia).

⁴ On this table, "Total OPEC" for all years includes Algeria, Iran, Iraq, Kuwait, Libya, Nigeria, Qatar, Saudi Arabia, United Arab Emirates, and Venezuela; for 1973–2008, also includes Indonesia; for 1973–1992 and beginning in 2008, also includes Ecuador (although Ecuador rejoined OPEC in November 2007, on this table Ecuador is included in "Total Non-OPEC" for 2007); for 1974–1995, also includes Gabon (although Gabon was a member of OPEC for only 1975–1994); and beginning in 2007, also includes Angola. Data for all countries not included in "Total OPEC" are included in "Total Non-OPEC."

⁵ Data shown here represent landed value; they differ from data in Table 3.7, which are data from U.S.

Customs that represent crude oil value at the port of loading.

R=Revised. P=Preliminary. — = No data reported. (s)=Less than \$0.05 billion. W=Value withheld to avoid disclosure of individual company data.

Notes: • Crude oil import volumes used to calculate values in this table are for the 50 States and the District of Columbia. • Totals may not equal sum of components due to independent rounding.

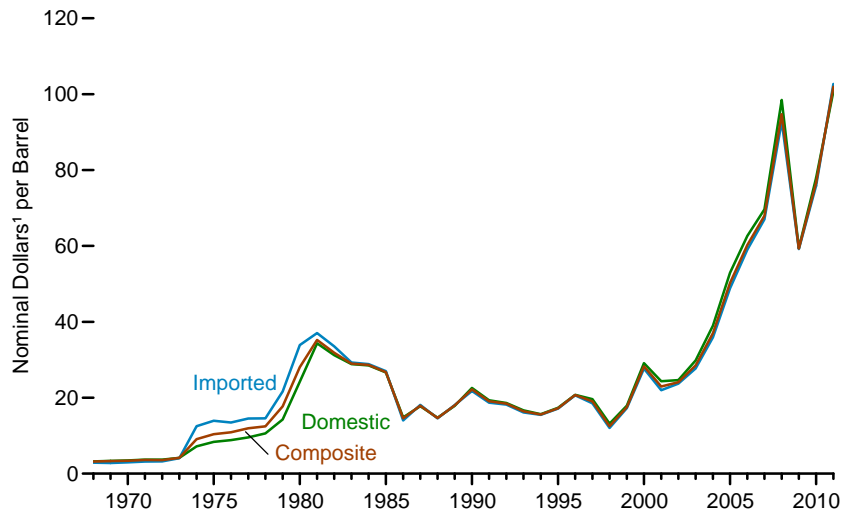
Web Page: For related information, see <http://www.eia.gov/petroleum/>.

Sources: Calculated by using prices on Table 5.19 and volume data from the following sources:

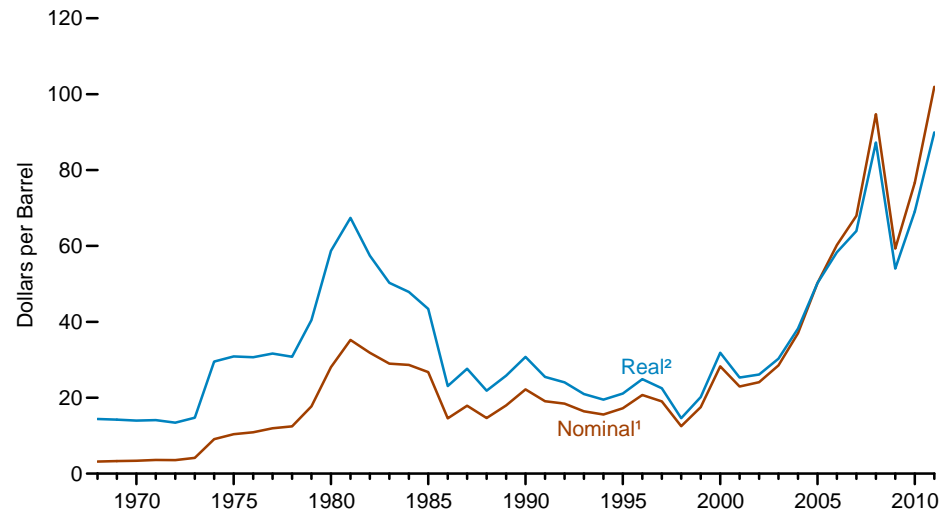
• 1973-1975—U.S. Department of the Interior, Bureau of Mines, *Petroleum Statement, Annual*, annual reports. • 1976-1980—U.S. Energy Information Administration (EIA), *Petroleum Statement, Annual*, annual reports. • 1981-2010—EIA, *Petroleum Supply Annual*, annual reports. • 2011—EIA, *Petroleum Supply Monthly* (February 2012).

Figure 5.21 Crude Oil Refiner Acquisition Costs, 1968-2011

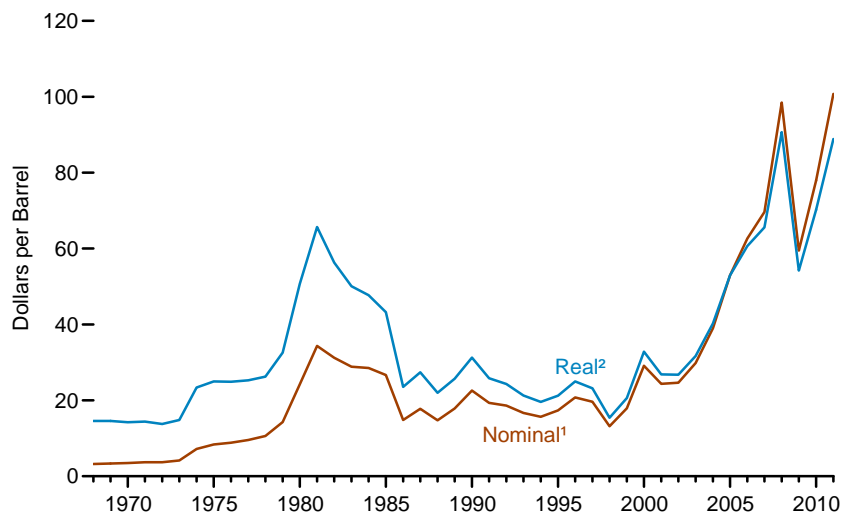
Summary



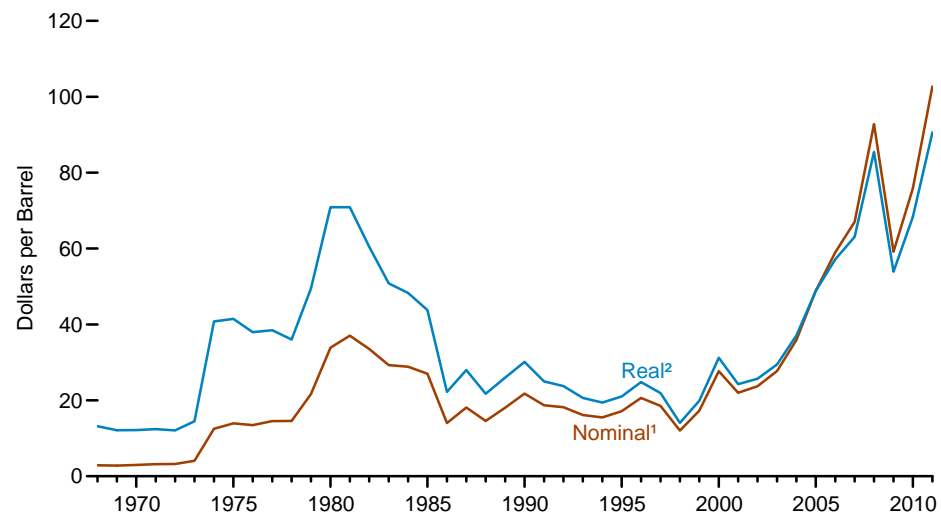
Composite Costs



Domestic Costs



Imported Costs



¹ See "Nominal Dollars" in Glossary.

² In chained (2005) dollars, calculated by using gross domestic product implicit price deflators in Table D1. See "Chained Dollars" in Glossary.

Source: Table 5.21.

Table 5.21 Crude Oil Refiner Acquisition Costs, 1968-2011
(Dollars per Barrel)

Year	Domestic		Imported		Composite	
	Nominal ¹	Real ²	Nominal ¹	Real ²	Nominal ¹	Real ²
1968 ^E	3.21	R14.57	2.90	R13.16	3.17	R14.39
1969 ^E	3.37	R14.58	2.80	R12.11	3.29	R14.23
1970 ^E	3.46	R14.22	2.96	R12.16	3.40	R13.97
1971 ^E	3.68	R14.40	3.17	R12.41	3.60	R14.09
1972 ^E	3.67	R13.77	3.22	R12.08	3.58	R13.43
1973 ^E	4.17	R14.82	4.08	R14.50	4.15	R14.75
1974	7.18	R23.40	12.52	R40.80	9.07	R29.55
1975	8.39	R24.98	13.93	R41.47	10.38	R30.90
1976	8.84	R24.89	13.48	R37.95	10.89	R30.66
1977	9.55	R25.28	14.53	R38.46	11.96	R31.65
1978	10.61	R26.24	14.57	R36.03	12.46	R30.81
1979	14.27	R32.58	21.67	R49.48	17.72	R40.46
1980	24.23	R50.70	33.89	R70.91	28.07	R58.73
1981	34.33	R65.68	37.05	R70.88	35.24	R67.42
1982	31.22	R56.29	33.55	R60.50	31.87	R57.47
1983	28.87	R50.08	29.30	R50.82	28.99	R50.28
1984	28.53	R47.70	28.88	R48.28	28.63	R47.86
1985	26.66	R43.26	26.99	R43.80	26.75	R43.41
1986	14.82	R23.53	14.00	R22.23	14.55	R23.10
1987	17.76	R27.40	18.13	R27.97	17.90	R27.62
1988	14.74	R21.98	14.56	R21.72	14.67	R21.88
1989	17.87	R25.68	18.08	R25.99	17.97	R25.83
1990	22.59	R31.26	21.76	R30.11	22.22	R30.75
1991	19.33	R25.83	18.70	R24.99	19.06	R25.47
1992	18.63	R24.32	18.20	R23.76	18.43	R24.06
1993	16.67	R21.29	16.14	R20.62	16.41	R20.96
1994	15.67	R19.60	15.51	R19.40	15.59	R19.50
1995	17.33	R21.24	17.14	R21.00	17.23	R21.11
1996	20.77	R24.98	20.64	R24.82	20.71	R24.90
1997	19.61	R23.17	18.53	R21.90	19.04	R22.50
1998	13.18	R15.40	12.04	R14.07	12.52	R14.63
1999	17.90	R20.61	17.26	R19.88	17.51	R20.16
2000	29.11	R32.81	27.70	R31.22	28.26	R31.85
2001	24.33	R26.82	22.00	R24.25	22.95	R25.30
2002	24.65	R26.74	23.71	R25.72	24.10	R26.14
2003	29.82	R31.68	27.71	R29.44	28.53	R30.31
2004	38.97	R40.26	35.90	R37.09	36.98	38.21
2005	52.94	52.94	48.86	48.86	50.24	50.24
2006	62.62	R60.66	59.02	R57.17	60.24	R58.35
2007	69.65	R65.57	67.04	R63.11	67.94	R63.96
2008	98.47	R90.69	92.77	R85.44	94.74	R87.25
2009	59.49	R54.22	59.17	R53.92	59.29	R54.03
2010	77.96	R70.24	75.88	R68.37	76.69	R69.10
2011	100.74	88.87	102.70	90.60	101.93	89.92

¹ See "Nominal Dollars" in Glossary.

² In chained (2005) dollars, calculated by using gross domestic product implicit price deflators in Table D1. See "Chained Dollars" in Glossary.
R=Revised. E=Estimate.

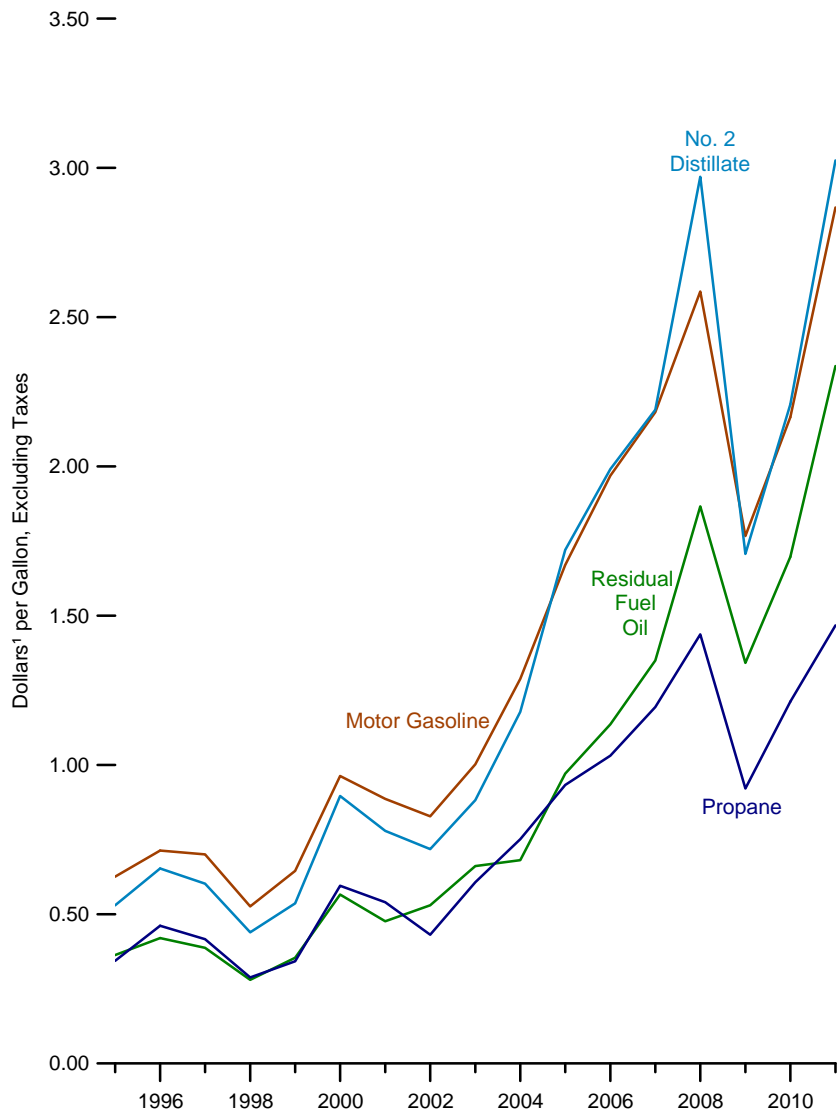
Note: Costs are for crude oil to refiners, including transportation and other fees; they do not include crude oil purchased for the Strategic Petroleum Reserve. The cost for each category and for the composite is derived by dividing the sum of the total purchasing (acquisition) costs of all refiners by the total volume of all refiners' purchases.

Web Pages: • See <http://www.eia.gov/totalenergy/data/monthly/#prices> for updated monthly and annual data. • See <http://www.eia.gov/petroleum/> for related information.

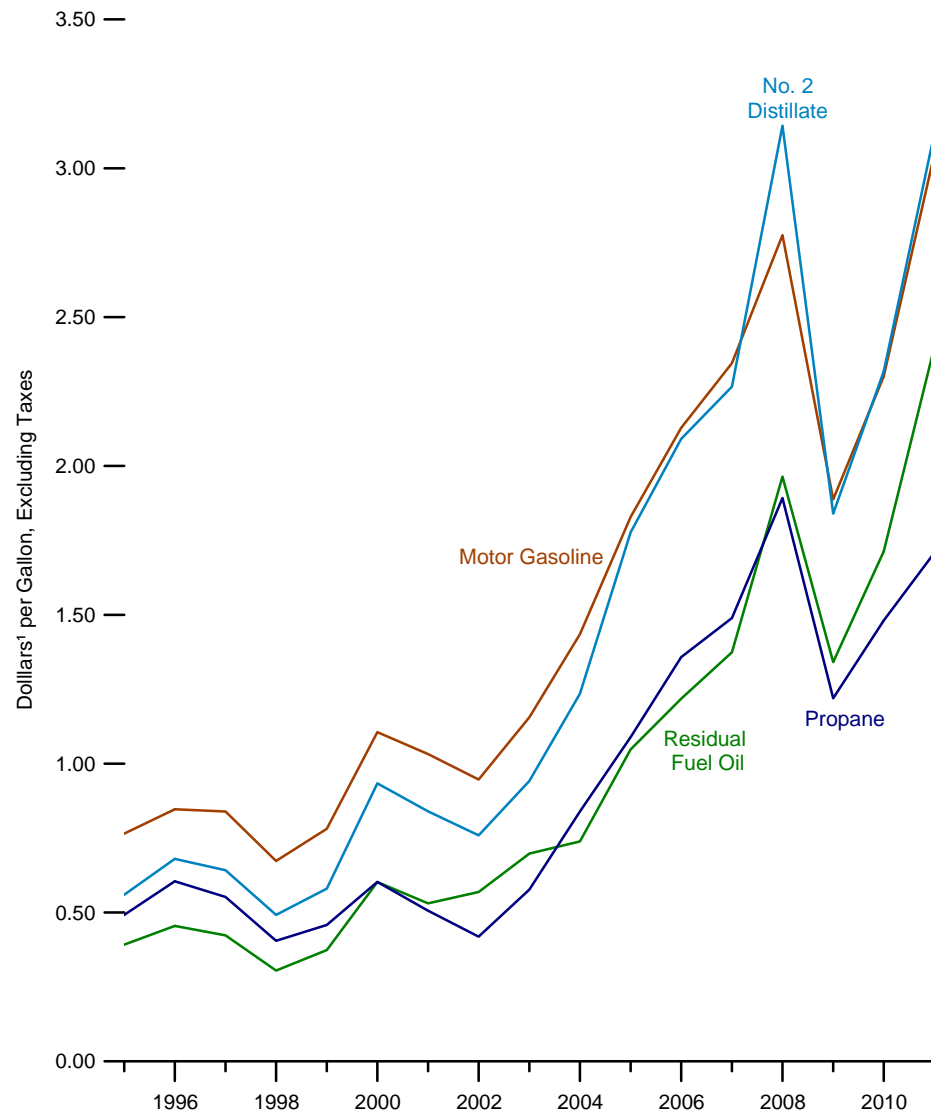
Sources: • 1968-1973—U.S. Energy Information Administration (EIA) estimates. The cost of domestic crude oil was derived by adding estimated transportation costs to the reported average domestic first purchase value. The cost of imported crude oil was derived by adding an estimated ocean transport cost based on the published "Average Freight Rate Assessment" to the average "Free Alongside Ship" value published by the U.S. Bureau of the Census. The composite cost was derived by weighting domestic costs and imported costs on the basis of quantities produced and imported. • 1974-January 1976—Federal Energy Administration (FEA), Form FEA-96, "Monthly Cost Allocation Report." • February 1976-1977—FEA, Form FEA-P110-M-1, "Refiners' Monthly Cost Allocation Report." • 1978-1984—U.S. Energy Information Administration (EIA), *Petroleum Marketing Annual*, annual reports. • 1985 forward—EIA, *Petroleum Marketing Monthly* (April 2012), Table 1.

Figure 5.22 Refiner Sales Prices for Selected Petroleum Products, 1995-2011

To Resellers



To End Users



¹ Prices are not adjusted for inflation. See "Nominal Dollars" in Glossary.

Source: Table 5.22.

Table 5.22 Refiner Sales Prices and Refiner Margins for Selected Petroleum Products, 1995-2011

(Dollars ¹ per Gallon, Excluding Taxes)

Product	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
Sales Prices to Resellers: ²																	
Aviation Gasoline	0.975	1.055	1.065	0.912	1.007	1.330	1.256	1.146	1.288	1.627	2.076	2.490	2.758	3.342	2.480	2.874	3.739
Motor Gasoline .....	.626	.713	.700	.526	.645	.963	.886	.828	1.002	1.288	1.670	1.969	2.182	2.586	1.767	2.165	2.867
Unleaded Regular .....	.593	.685	.673	.499	.620	.942	.865	.806	.981	1.269	1.654	1.950	2.161	2.570	1.747	2.146	2.847
Unleaded Midgrade .....	.670	.759	.749	.576	.696	1.013	.945	.885	1.061	1.340	1.708	2.016	2.245	2.610	1.784	2.185	2.893
Unleaded Premium .....	.722	.803	.792	.617	.726	1.055	.980	.928	1.113	1.408	1.789	2.117	2.357	2.746	1.958	2.346	3.049
Kerosene .....	.580	.714	.653	.465	.550	.969	.821	.752	.955	1.271	1.757	2.007	2.249	2.851	1.844	2.299	3.065
Jet Fuel, Kerosene-Type .....	.539	.646	.613	.450	.533	.880	.763	.716	.871	1.208	1.723	1.961	2.171	3.020	1.719	2.185	3.014
No. 1 Distillate .....	.625	.751	.723	.513	.634	1.019	.883	.805	1.033	1.289	1.801	2.044	2.430	2.712	2.050	2.573	3.223
No. 2 Distillate .....	.530	.653	.602	.439	.536	.896	.779	.718	.882	1.178	1.720	1.991	2.190	2.970	1.707	2.208	3.025
No. 2 Fuel Oil .....	.511	.639	.590	.422	.493	.886	.756	.694	.881	1.125	1.623	1.834	2.072	2.745	1.657	2.147	2.907
No. 2 Diesel Fuel .....	.538	.659	.606	.444	.546	.898	.775	.724	.883	1.187	1.737	2.012	2.203	2.994	1.713	2.214	3.034
No. 4 Fuel ³ .....	.463	.603	.551	.383	.430	.778	.697	.663	.793	1.033	1.377	1.395	1.551	2.157	1.561	W	2.801
Residual Fuel Oil .....	.363	.420	.387	.280	.354	.566	.476	.530	.661	.681	.971	1.136	1.350	1.866	1.342	1.697	2.336
Sulfur <= 1% ⁴ .....	.383	.456	.415	.299	.382	.627	.523	.546	.728	.764	1.115	1.202	1.406	1.918	1.337	1.756	2.389
Sulfur > 1% ⁴ .....	.338	.389	.366	.269	.329	.512	.428	.508	.588	.601	.842	1.085	1.314	1.843	1.344	1.679	2.316
Propane (Consumer Grade) .....	.344	.461	.416	.288	.342	.595	.540	.431	.607	.751	.933	1.031	1.194	1.437	.921	1.212	1.467
Sales Prices to End Users: ²																	
Aviation Gasoline	1.005	1.116	1.128	.975	1.059	1.306	1.323	1.288	1.493	1.819	2.231	2.682	2.849	3.273	2.442	3.028	3.803
Motor Gasoline .....	.765	.847	.839	.673	.781	1.106	1.032	.947	1.156	1.435	1.829	2.128	2.345	2.775	1.888	2.301	3.050
Unleaded Regular .....	.717	.807	.798	.630	.742	1.073	.997	.912	1.123	1.404	1.802	2.099	2.315	2.748	1.856	2.270	3.021
Unleaded Midgrade .....	.808	.896	.895	.728	.835	1.168	1.100	1.010	1.218	1.499	1.893	2.213	2.438	2.879	1.997	2.416	3.165
Unleaded Premium .....	.890	.972	.973	.805	.906	1.242	1.175	1.088	1.305	1.596	1.992	2.320	2.552	2.965	2.122	2.536	3.283
Kerosene .....	.589	.740	.745	.501	.605	1.123	1.045	.990	1.224	1.160	1.957	2.244	2.263	3.283	2.675	3.063	3.616
Jet Fuel, Kerosene-Type .....	.540	.651	.613	.452	.543	.899	.775	.721	.872	1.207	1.735	1.998	2.165	3.052	1.704	2.201	3.054
No. 1 Distillate .....	.620	.726	.689	.551	.621	.988	.902	.828	1.017	1.262	1.832	2.137	2.286	2.983	2.141	2.705	3.467
No. 2 Distillate .....	.560	.680	.642	.492	.580	.934	.840	.759	.942	1.235	1.777	2.091	2.266	3.143	1.840	2.318	3.119
No. 2 Fuel Oil .....	.562	.673	.636	.482	.558	.927	.829	.737	.933	1.173	1.705	1.982	2.241	2.986	1.962	2.462	3.193
No. 2 Diesel Fuel .....	.560	.681	.642	.494	.584	.935	.842	.762	.944	1.243	1.786	2.096	2.267	3.150	1.834	2.314	3.117
No. 4 Fuel ³ .....	.505	.603	.565	.428	.474	.769	.679	.657	.856	1.017	W	W	W	W	W	W	W
Residual Fuel Oil .....	.392	.455	.423	.305	.374	.602	.531	.569	.698	.739	1.048	1.218	1.374	1.964	1.341	1.713	2.401
Sulfur <= 1% ⁴ .....	.436	.526	.488	.354	.405	.708	.642	.640	.804	.835	1.168	1.342	1.436	2.144	1.413	1.920	2.736
Sulfur > 1% ⁴ .....	.377	.433	.403	.287	.362	.566	.492	.544	.651	.692	.974	1.173	1.350	1.889	1.306	1.619	2.257
Propane (Consumer Grade) .....	.492	.605	.552	.405	.458	.603	.506	.419	.577	.839	1.089	1.358	1.489	1.892	1.220	1.481	1.709
Refiner Margins ⁵																	
Motor Gasoline .....	.216	.220	.247	.228	.228	.290	.340	.254	.323	.408	.474	.535	.564	.330	.355	.339	.440
Jet Fuel, Kerosene-Type .....	.129	.153	.160	.152	.116	.207	.217	.142	.192	.328	.527	.527	.553	.764	.307	.359	.587
No. 2 Distillate .....	.120	.160	.149	.141	.119	.223	.233	.144	.203	.298	.524	.557	.572	.714	.295	.382	.598
Residual Fuel Oil	-.048	-.072	-.066	-.018	-.063	-.107	-.070	-.044	-.018	-.199	-.225	-.298	-.268	-.390	-.070	-.129	-.091
Composite ⁶ .....	.181	.194	.200	.195	.189	.261	.297	.216	.281	.367	.484	.530	.553	.453	.328	.344	.481

¹ Prices are not adjusted for inflation. See "Nominal Dollars" in Glossary.

² Sales for resale (wholesale sales) are those made to purchasers who are other than ultimate consumers. Sales to end users are those made directly to the ultimate consumer, including bulk customers, such as agriculture, industry, and utilities, as well as residential and commercial customers.

³ Includes No. 4 fuel oil and No. 4 diesel fuel.

⁴ Sulfur content by weight.

⁵ In this table, refiner margin is the difference between the composite refiner acquisition price of crude oil (see Table 5.21) and the price to resellers.

⁶ A volume weighted average of the refiner prices to resellers for aviation gasoline, kerosene-type jet fuel, kerosene, motor gasoline, distillate fuel nos. 1, 2, and 4, and residual fuel oil.

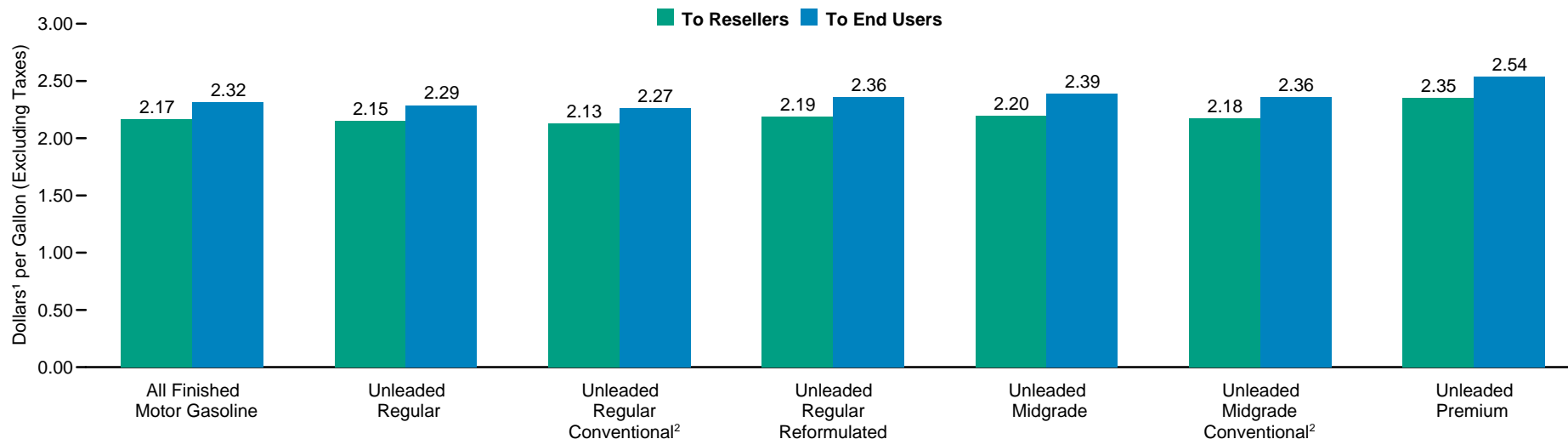
W=Value withheld to avoid disclosure of individual company data.

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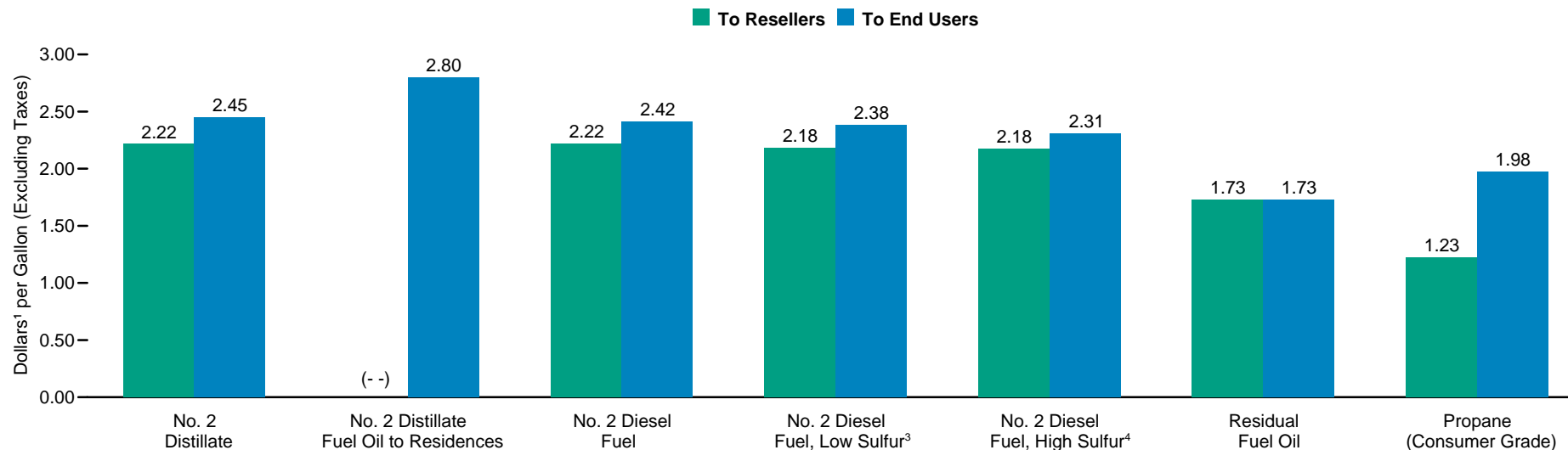
Source: U.S. Energy Information Administration, *Petroleum Marketing Monthly* (April 2012), Tables 1, 2, 4, 6, and 16.

Figure 5.23 All Sellers Sales Prices for Selected Petroleum Products, 2010

Motor Gasoline, Selected Grades



Distillate Fuel Oil, Residual Fuel Oil, and Propane



¹ Prices are not adjusted for inflation. See "Nominal Dollars" in Glossary.

² Includes oxygenated motor gasoline.

³ > 15 and <= 500 parts per million.

⁴ > 500 parts per million.

- - = Not applicable.

Note: Data are preliminary.

Source: Table 5.23.

Table 5.23 All Sellers Sales Prices for Selected Petroleum Products, 1994-2010

(Dollars ¹ per Gallon, Excluding Taxes)

Product	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Sales Prices to Resellers ²																	
Motor Gasoline	0.602	0.630	0.715	0.703	0.530	0.645	0.966	0.888	0.832	1.001	1.288	1.675	1.973	2.186	2.587	1.773	2.169
Unleaded Regular .....	.571	.599	.689	.677	.504	.621	.946	.868	.813	.982	1.271	1.659	1.956	2.165	2.570	1.753	2.151
Conventional ³ .....	.565	.583	.672	.658	.484	.596	.918	.838	.794	.950	1.241	1.639	1.930	³ 2.145	³ 2.564	³ 1.732	³ 2.133
Oxygenated ³ .....	.627	.662	.745	.754	.575	.690	1.016	.947	.858	1.031	1.289	1.667	1.951	(³)	(³)	(³)	(³)
Reformulated .....	.632	.646	.733	.725	.551	.676	1.006	.930	.856	1.058	1.339	1.708	2.022	2.215	2.583	1.799	2.187
Unleaded Midgrade .....	.641	.673	.760	.751	.579	.694	1.014	.945	.886	1.056	1.338	1.719	2.024	2.252	2.636	1.803	2.196
Conventional ³ .....	.633	.651	.737	.723	.550	.658	.977	.901	.852	1.015	1.304	1.697	1.992	³ 2.235	³ 2.611	³ 1.777	³ 2.176
Oxygenated ³ .....	.689	.711	.789	.791	.599	.695	1.021	.965	.885	1.043	1.305	1.682	1.999	(³)	(³)	(³)	(³)
Reformulated .....	.722	.719	.802	.801	.632	.758	1.080	1.022	.952	1.150	1.410	1.790	2.127	2.311	2.730	1.903	2.275
Unleaded Premium .....	.696	.724	.804	.794	.618	.724	1.055	.980	.929	1.105	1.400	1.792	2.122	2.362	2.749	1.959	2.350
Conventional ³ .....	.686	.695	.777	.764	.587	.688	1.013	.933	.897	1.055	1.351	1.756	2.083	³ 2.330	³ 2.743	³ 1.932	³ 2.327
Oxygenated ³ .....	.757	.787	.851	.856	.674	.779	1.119	1.020	.952	1.131	1.390	1.761	2.049	(³)	(³)	(³)	(³)
Reformulated .....	.769	.779	.851	.845	.671	.787	1.117	1.054	.986	1.189	1.467	1.844	2.181	2.407	2.757	1.994	2.376
No. 2 Distillate .....	.529	.536	.660	.611	.450	.538	.901	.785	.728	.891	1.178	1.727	1.999	2.208	2.975	1.727	2.216
No. 2 Diesel Fuel .....	.538	.546	.667	.616	.454	.552	.904	.791	.735	.891	1.191	1.754	2.029	2.230	3.013	1.730	2.219
Ultra-Low Sulfur (<= 15 ppm ⁴)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.258	3.022	1.742	2.222
Low Sulfur (> 15 and <= 500 ppm ⁴) .....	.542	.551	.673	.619	.457	.557	.909	.794	.738	.895	1.197	1.761	2.045	2.211	2.983	1.648	2.180
High Sulfur (> 500 ppm ⁴) .....	.519	.524	.639	.602	.437	.519	.875	.771	.712	.870	1.146	1.704	1.915	1.959	2.887	1.724	2.177
Residual Fuel Oil .....	.322	.366	.427	.396	.284	.355	.579	.496	.526	.675	.682	1.006	1.141	1.342	1.851	1.341	1.727
Sulfur <= 1% ⁵ .....	.350	.383	.461	.424	.305	.382	.638	.542	.548	.732	.740	1.107	1.205	1.377	1.898	1.349	1.812
Sulfur > 1% ⁵ .....	.298	.344	.397	.375	.271	.333	.523	.438	.502	.621	.638	.899	1.087	1.314	1.821	1.337	1.694
Propane (Consumer Grade) .....	.336	.354	.471	.426	.297	.354	.603	.556	.440	.615	.761	.939	1.041	1.206	1.455	.955	1.226
Sales Prices to End Users ²																	
Motor Gasoline .....	.729	.761	.843	.831	.660	.762	1.091	1.022	.943	1.135	1.423	1.828	2.121	2.338	2.772	1.893	2.316
Unleaded Regular .....	.690	.721	.809	.797	.623	.728	1.063	.993	.915	1.108	1.399	1.807	2.098	2.313	2.750	1.867	2.290
Conventional ³ .....	.685	.714	.801	.785	.610	.708	1.044	.968	.901	1.082	1.373	1.789	2.073	³ 2.297	³ 2.731	³ 1.842	³ 2.267
Oxygenated ³ .....	.737	.773	.861	.887	.694	.782	1.118	1.059	.964	1.142	1.414	1.768	2.076	(³)	(³)	(³)	(³)
Reformulated .....	.743	.741	.833	.822	.651	.777	1.109	1.051	.949	1.183	1.478	1.861	2.168	2.357	2.807	1.944	2.358
Unleaded Midgrade .....	.770	.802	.885	.880	.711	.812	1.146	1.086	1.002	1.195	1.482	1.877	2.183	2.412	2.846	1.969	2.390
Conventional ³ .....	.766	.793	.874	.865	.695	.787	1.122	1.052	.985	1.166	1.453	1.855	2.151	³ 2.389	³ 2.816	³ 1.934	³ 2.357
Oxygenated ³ .....	.821	.838	.929	.964	.763	.853	1.185	1.120	1.031	1.193	1.459	1.824	2.138	(³)	(³)	(³)	(³)
Reformulated .....	.851	.829	.916	.915	.748	.869	1.197	1.156	1.042	1.277	1.569	1.945	2.273	2.476	2.936	2.077	2.494
Unleaded Premium .....	.852	.883	.962	.955	.786	.880	1.218	1.154	1.081	1.282	1.580	1.988	2.303	2.529	2.961	2.124	2.542
Conventional ³ .....	.846	.871	.950	.939	.769	.856	1.192	1.119	1.063	1.245	1.538	1.958	2.263	³ 2.497	³ 2.935	³ 2.082	³ 2.504
Oxygenated ³ .....	.908	.938	1.019	1.054	.845	.940	1.279	1.218	1.128	1.307	1.568	1.915	2.236	(³)	(³)	(³)	(³)
Reformulated .....	.937	.914	.991	.988	.822	.931	1.267	1.217	1.116	1.355	1.660	2.043	2.373	2.584	3.004	2.196	2.607
No. 2 Distillate .....	.675	.673	.793	.753	.599	.678	1.044	.948	.874	1.058	1.339	1.895	2.176	2.365	3.222	1.964	2.449
No. 2 Distillate to Residences ⁶ .....	.884	.867	.989	.984	.852	.876	1.311	1.250	1.129	1.355	1.548	2.052	2.365	2.592	3.219	2.386	2.798
No. 2 Diesel Fuel .....	.628	.636	.757	.714	.562	.654	1.006	.912	.837	1.008	1.316	1.886	2.165	2.348	3.230	1.918	2.415
Ultra-Low Sulfur (<= 15 ppm ⁴)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.386	3.233	1.922	2.423
Low Sulfur (> 15 and <= 500 ppm ⁴) .....	.642	.645	.767	.719	.565	.663	1.014	.917	.841	1.014	1.325	1.899	2.183	2.317	3.232	1.913	2.381
High Sulfur (> 500 ppm ⁴) .....	.598	.614	.732	.698	.555	.620	.981	.892	.822	.986	1.281	1.833	2.084	2.187	3.187	1.865	2.308
Residual Fuel Oil .....	.358	.397	.464	.429	.311	.378	.609	.533	.561	.696	.725	1.041	1.212	1.376	1.944	1.340	1.729
Sulfur <= 1% ⁵ .....	.403	.433	.529	.472	.356	.406	.683	.620	.612	.785	.794	1.148	1.322	1.445	2.098	1.422	1.953
Sulfur > 1% ⁵ .....	.327	.376	.430	.407	.292	.366	.576	.498	.540	.651	.687	.985	1.175	1.354	1.896	1.312	1.662
Propane (Consumer Grade) .....	.776	.766	.886	.878	.774	.781	1.048	1.094	.958	1.150	1.307	1.530	1.727	1.888	2.245	1.777	1.976

¹ Prices are not adjusted for inflation. See "Nominal Dollars" in Glossary.

² Sales for resale (wholesale sales) are those made to purchasers who are other than ultimate consumers. Sales to end users are those made directly to the ultimate consumer, including bulk customers, such as agriculture, industry, and utilities, as well as residential and commercial customers.

³ Beginning in 2007, oxygenated motor gasoline is included with conventional motor gasoline.

⁴ Parts per million.

⁵ Sulfur content by weight.

⁶ See Note 5, "Historical Residential Heating Oil Prices," at end of section for historical data.

NA=Not available.

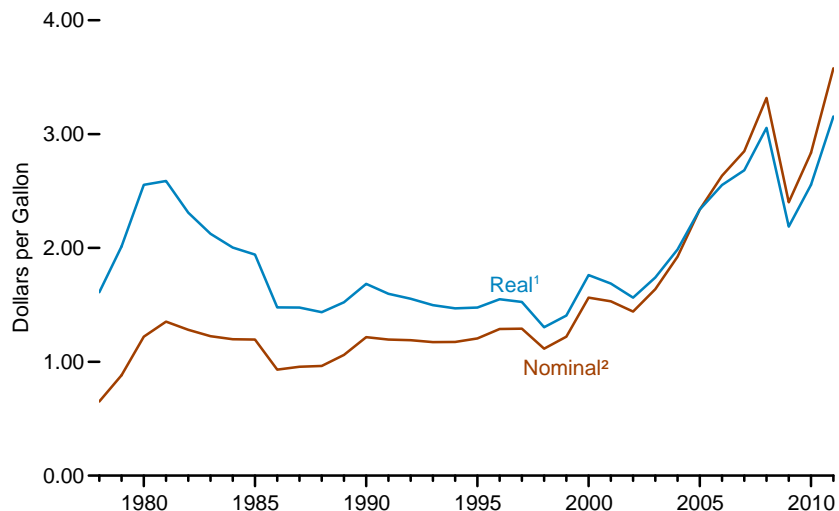
Note: Data for this table are not available for 2011.

Web Page: For related information, see <http://www.eia.gov/petroleum/>.

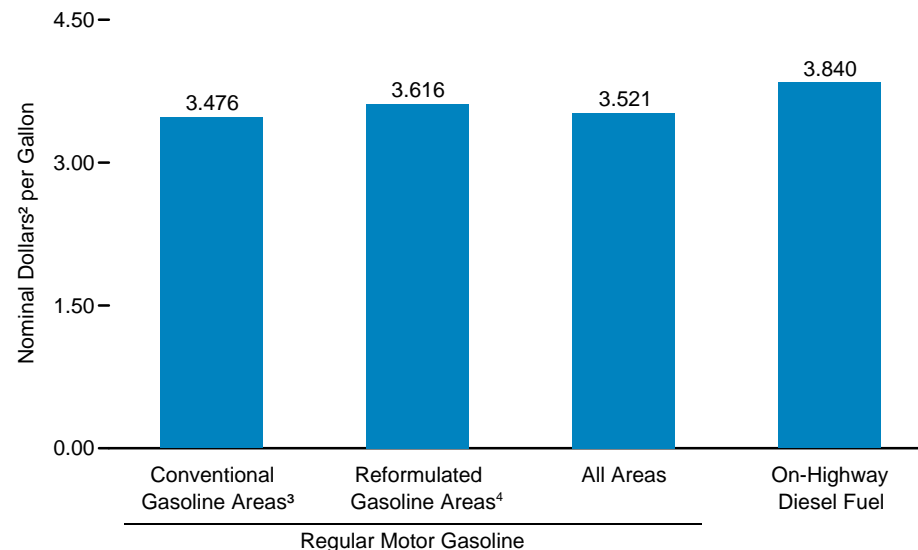
Sources: • 1994-2009—U.S. Energy Information Administration (EIA), *Petroleum Marketing Annual*, annual reports. • 2010—EIA, *Petroleum Marketing Monthly* (April 2011); EIA, Form EIA-782A, "Refiners/Gas Plant Operators' Monthly Petroleum Product Sales Report"; and EIA, Form EIA-782B, "Resellers/Retailers' Monthly Petroleum Product Sales Report."

Figure 5.24 Retail Motor Gasoline and On-Highway Diesel Fuel Prices

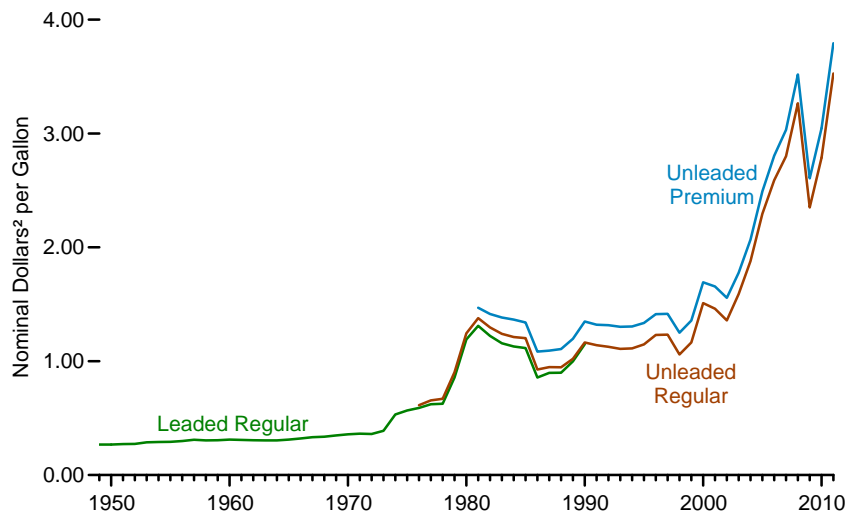
Motor Gasoline, All Grades, 1978-2011



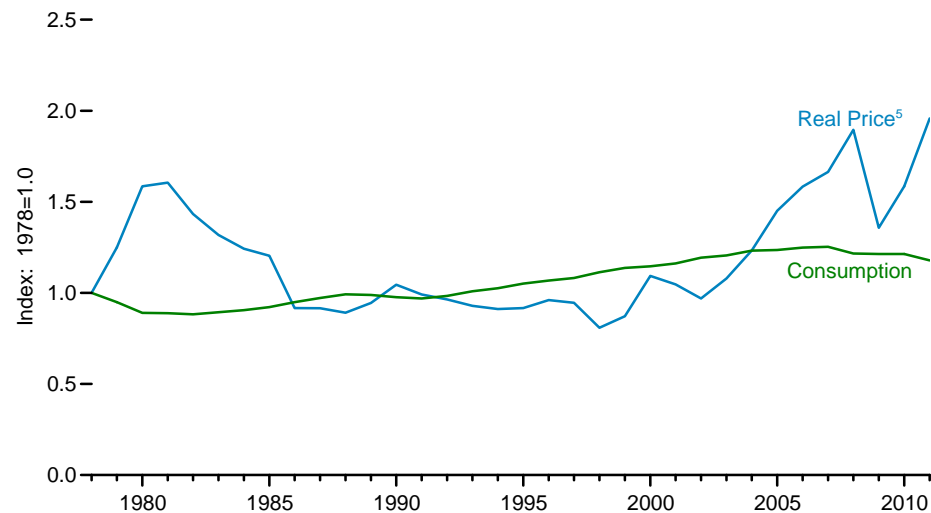
Regular Motor Gasoline by Area Type and On-Highway Diesel Fuel, 2011



Motor Gasoline by Grade, 1949-2011



Motor Gasoline Price and Consumption, 1978-2011, Indexed to 1978



¹ In chained (2005) dollars, calculated by using gross domestic product implicit price deflators in Table D1. See "Chained Dollars" in Glossary.

² See "Nominal Dollars" in Glossary.

³ Any area that does not require the sale of reformulated gasoline.

⁴ "Reformulated Gasoline Areas" are ozone nonattainment areas designated by the Environmental Protection Agency that require the use of reformulated gasoline.

⁵ All grades, in chained (2005) dollars.

Sources: Tables 5.11 and 5.24.

Table 5.24 Retail Motor Gasoline and On-Highway Diesel Fuel Prices, Selected Years, 1949-2011

(Dollars per Gallon)

Year	Motor Gasoline by Grade								Regular Motor Gasoline by Area Type			On-Highway Diesel Fuel
	Leaded Regular		Unleaded Regular		Unleaded Premium		All Grades		Conventional Gasoline Areas ^{1,2}	Reformulated Gasoline Areas ^{3,4}	All Areas	
	Nominal ⁵	Real ⁶	Nominal ⁵	Real ⁶	Nominal ⁵	Real ⁶	Nominal ⁵	Real ⁶	Nominal ⁵	Nominal ⁵	Nominal ⁵	
1949	0.268	R1.848	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1950	.268	R1.829	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1955	.291	R1.753	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1960	.311	R1.671	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1965	.312	R1.565	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1970	.357	R1.467	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1975	.567	R1.688	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1976	.590	R1.661	.614	R1.729	NA	NA	NA	NA	NA	NA	NA	NA
1977	.622	R1.646	.656	R1.736	NA	NA	NA	NA	NA	NA	NA	NA
1978	R.627	R1.551	.670	R1.657	NA	NA	.652	R1.612	NA	NA	NA	NA
1979	R.857	R1.957	.903	R2.062	NA	NA	.882	R2.014	NA	NA	NA	NA
1980	1.191	R2.492	1.245	R2.605	NA	NA	1.221	R2.555	NA	NA	NA	NA
1981	1.311	R2.508	1.378	R2.636	71.470	7R2.812	1.353	R2.588	NA	NA	NA	NA
1982	1.222	R2.203	1.296	R2.337	1.415	R2.551	1.281	R2.310	NA	NA	NA	NA
1983	R1.158	2.009	1.241	R2.153	1.383	R2.399	1.225	R2.125	NA	NA	NA	NA
1984	1.129	R1.887	1.212	R2.026	1.366	R2.284	1.198	R2.003	NA	NA	NA	NA
1985	1.115	R1.809	1.202	R1.950	1.340	R2.174	1.196	R1.941	NA	NA	NA	NA
1986	.857	R1.361	.927	R1.472	1.085	R1.722	.931	R1.478	NA	NA	NA	NA
1987	.897	R1.384	.948	R1.463	1.093	R1.686	.957	R1.476	NA	NA	NA	NA
1988	R.900	1.342	.946	R1.411	1.107	R1.651	R.964	1.438	NA	NA	NA	NA
1989	R.997	R1.433	R1.022	1.469	1.197	R1.720	1.060	R1.523	NA	NA	NA	NA
1990	1.149	R1.590	1.164	R1.611	1.349	R1.867	1.217	R1.684	NA	NA	NA	NA
1991	NA	NA	1.140	R1.524	1.321	R1.765	1.196	R1.598	1.098	NA	1.098	NA
1992	NA	NA	1.127	R1.471	1.316	R1.718	1.190	R1.554	1.087	NA	1.087	NA
1993	NA	NA	1.108	R1.415	1.302	R1.663	1.173	R1.498	21.067	NA	1.067	NA
1994	NA	NA	1.112	R1.391	1.305	R1.632	1.174	R1.469	21.072	NA	1.075	NA
1995	NA	NA	1.147	R1.406	1.336	R1.637	1.205	R1.477	21.103	41.163	1.111	1.109
1996	NA	NA	1.231	R1.480	1.413	R1.699	1.288	R1.549	21.192	41.242	1.199	1.235
1997	NA	NA	1.234	R1.458	1.416	R1.673	1.291	R1.525	21.189	41.252	1.199	1.198
1998	NA	NA	1.059	R1.237	1.250	R1.461	1.115	R1.303	21.017	41.078	1.030	1.044
1999	NA	NA	1.165	R1.342	1.357	R1.563	1.221	R1.406	21.116	41.195	1.136	1.121
2000	NA	NA	1.510	R1.702	1.693	R1.908	1.563	R1.762	21.462	41.543	1.484	1.491
2001	NA	NA	1.461	R1.610	1.657	R1.826	1.531	R1.687	1.384	1.498	1.420	1.401
2002	NA	NA	1.358	R1.473	1.556	R1.688	1.441	R1.563	1.313	1.408	1.345	1.319
2003	NA	NA	1.591	R1.690	1.777	1.888	1.638	R1.740	1.516	1.655	1.561	1.509
2004	NA	NA	1.880	R1.942	2.068	2.137	1.923	1.987	1.812	1.937	1.852	1.810
2005	NA	NA	2.295	2.295	2.491	2.491	2.338	2.338	2.240	2.335	2.270	2.402
2006	NA	NA	2.589	R2.508	2.805	2.717	2.635	R2.553	2.533	2.654	2.572	2.705
2007	NA	NA	2.801	R2.637	3.033	R2.855	2.849	R2.682	2.767	2.857	2.796	2.885
2008	NA	NA	3.266	R3.008	3.519	R3.241	3.317	R3.055	3.213	3.314	3.246	3.803
2009	NA	NA	2.350	R2.142	2.607	R2.376	2.401	R2.188	2.315	2.433	2.353	2.467
2010	NA	NA	2.788	R2.512	3.047	R2.745	2.836	R2.555	2.742	2.864	2.782	2.992
2011	NA	NA	3.527	3.111	3.792	3.345	3.577	3.155	3.476	3.616	3.521	3.840

¹ Any area that does not require the sale of reformulated gasoline.

² For 1993–2000, data collected for oxygenated areas are included in "Conventional Gasoline Areas."

³ "Reformulated Gasoline Areas" are ozone nonattainment areas designated by the Environmental Protection Agency that require the use of reformulated gasoline.

⁴ For 1995–2000, data collected for combined oxygenated and reformulated areas are included in "Reformulated Gasoline Areas."

⁵ See "Nominal Dollars" in Glossary.

⁶ In chained (2005) dollars, calculated by using gross domestic product implicit price deflators in Table D1. See "Chained Dollars" in Glossary.

⁷ The 1981 average price is based on September through December data only.

R=Revised. NA=Not available.

Note: See "Motor Gasoline Grades," "Motor Gasoline, Conventional," "Motor Gasoline, Oxygenated," and "Motor Gasoline, Reformulated" in Glossary.

Web Pages: • See <http://www.eia.gov/totalenergy/data/monthly/#prices> for updated monthly and annual data. • See <http://www.eia.gov/totalenergy/data/annual/#petroleum> for all annual data beginning in 1949. • See <http://www.eia.gov/petroleum/> for related information.

Sources: **Motor Gasoline by Grade:** • 1949-1973—*Platt's Oil Price Handbook and Oilmanac, 1974*, 51st Edition. • 1974 forward—U.S. Energy Information Administration (EIA), annual averages of monthly data from the U.S. Department of Labor, Bureau of Labor Statistics, *U.S. City Average Gasoline Prices*. **Regular Motor Gasoline by Area Type:** EIA, weighted annual averages of data from "Weekly U.S. Retail Gasoline Prices, Regular Grade." **On-Highway Diesel Fuel:** EIA, weighted annual averages of data from "Weekly Retail On-Highway Diesel Prices."

Petroleum

Note 1. Petroleum Products Supplied and Petroleum Consumption. Petroleum product supplied (see Table 5.11) is used as an approximation of petroleum consumption. Petroleum products supplied is calculated as field production plus renewable fuels and oxygenates production plus processing gain plus net imports minus stock change plus adjustments. Total products supplied include natural gas plant liquids, unfinished oils, aviation gasoline blending components, and finished petroleum products. Crude oil burned on leases and at pipeline stations was reported as product supplied for either distillate fuel oil or residual fuel oil until January 1983. From January 1983 through December 2010, crude oil product supplied was reported based on quantities reported on Form EIA-813 “Monthly Crude Oil Report.” Beginning with data for January 2010, reporting crude oil used directly on Form EIA-813 was discontinued, and crude oil product supplied was assumed equal to zero. The sector allocation of product supplied in Tables 5.13a-5.13d for products used in more than one sector is derived from sales to ultimate consumers by refiners, marketers, distributors, and dealers (see U.S. Energy Information Administration (EIA) report Fuel Oil and Kerosene Sales) and from EIA electric power sector petroleum consumption data (see Tables 8.7b and 8.7c).

Note 2. Changes Affecting Petroleum Production and Product Supplied Statistics. Beginning in January 1981, several U.S. Energy Information Administration survey forms and calculation methodologies were changed to reflect new developments in refinery and blending plant practices and to improve data integrity. Those changes affect production and product supplied statistics for motor gasoline, distillate fuel oil, and residual fuel oil, and stocks of motor gasoline. On the basis of those changes, motor gasoline production during the last half of 1980 would have averaged 289 thousand barrels per day higher than that which was published on the old basis. Distillate and residual fuel oil production and product supplied for all of 1980 would have averaged, respectively, 105 thousand and 54 thousand barrels per day higher than the numbers that were published. A new adjustment was introduced for calculating finished motor gasoline product supplied beginning with data for January 1993. The new adjustment transferred product supplied for motor gasoline blending components and fuel ethanol to supply of finished motor gasoline. Applying the new

gasoline adjustment method to gasoline product supplied data for 1992 increased the reported quantity 108 thousand barrels per day at the U.S. level from 7,268 thousand barrels per day to 7,376 thousand barrels per day.

Note 3. Gross Input to Distillation Units. The methods of deriving Gross Input to Distillation Units (GIDU) in this report are as follows: for 1949-1966, GIDU is estimated by summing annual crude oil runs to stills, net unfinished oil reruns at refineries, and shipments of natural gasoline and plant condensate from natural gas processing plants to refineries; for 1967-1973, GIDU is estimated by summing annual crude oil runs to stills, net unfinished oil reruns, and refinery input of natural gasoline and plant condensate; for 1974-1980, GIDU is published annual data; and for 1981 forward, GIDU is the sum of reported monthly data.

Note 4. Crude Oil Domestic First Purchase Prices. Crude oil domestic first purchase prices were derived as follows: for 1949-1973, weighted average domestic first purchase values as reported by State agencies and calculated by the Bureau of Mines; for 1974 and 1975, weighted averages of a sample survey of major first purchasers’ purchases; for 1976 forward, weighted averages of all first purchasers’ purchases.

Note 5. Historical Residential Heating Oil Prices. Residential heating oil prices for 1956 through 1987 were formerly published in the *Annual Energy Review*. Those data, in cents per gallon, are: 1956—15.2; 1957—16.0; 1958—15.1; 1959—15.3; 1960—15.0; 1961—15.6; 1962—15.6; 1963—16.0; 1964—16.1; 1965—16.0; 1966—16.4; 1967—16.9; 1968—17.4; 1969—17.8; 1970—18.5; 1971—19.6; 1972—19.7; 1973—22.8; 1974—36.0; 1975—37.7; 1976—40.6; 1977—46.0; 1978—49.0; 1979—70.4; 1980—97.4; 1981—119.4; 1982—116.0; 1983—107.8; 1984—109.1; 1985—105.3; 1986—83.6; and 1987—80.3. The sources of these data are: 1956-1974—Bureau of Labor Statistics, “Retail Prices and Indexes of Fuels and Utilities for Residential Usage,” monthly; January 1975–September 1977—Federal Energy Administration, Form FEA-P112-M-1, “No. 2 Heating Oil Supply/Price Monitoring Report”; October 1977–December 1977—U.S. Energy Information Administration (EIA), Form EIA-9, “No. 2 Heating Oil Supply/Price Monitoring Report”; 1978 forward—EIA, *Petroleum Marketing Annual*, Table 15.