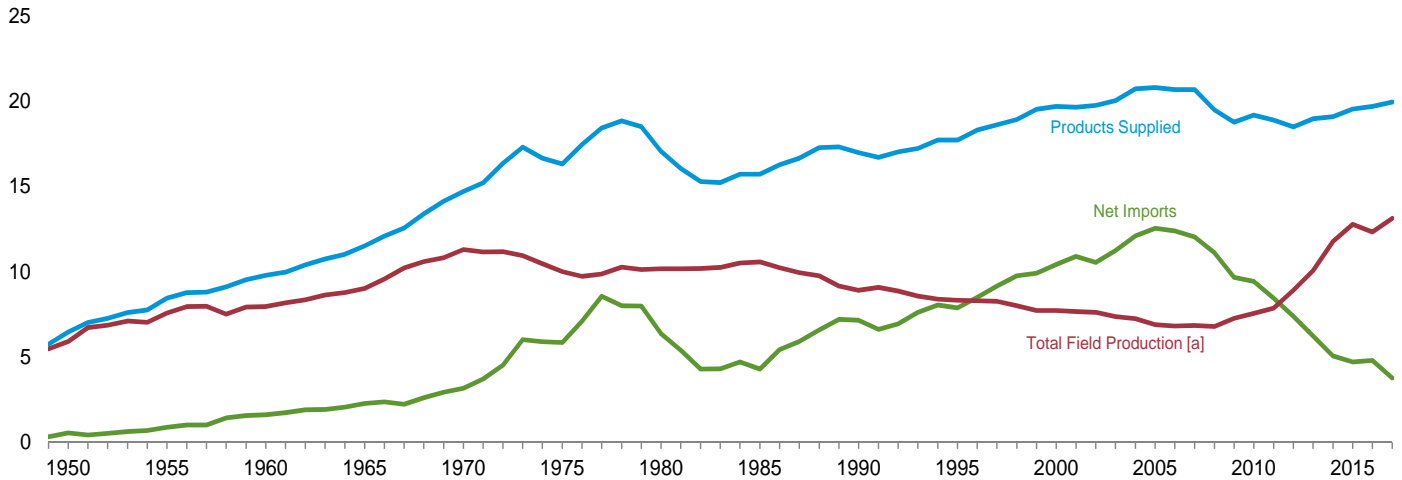


3. Petroleum

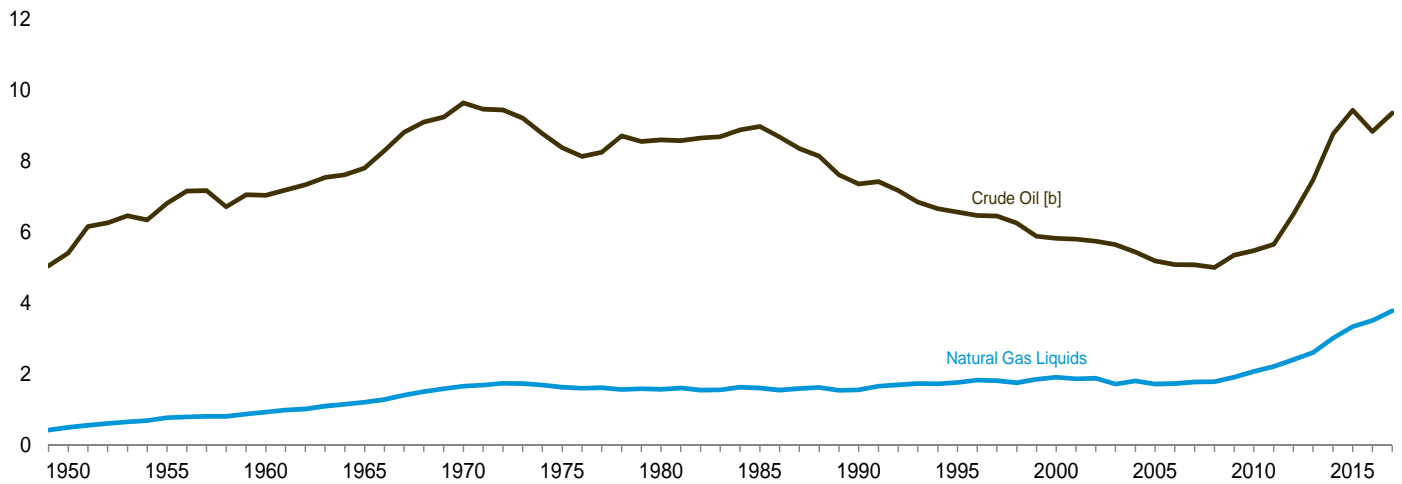
Figure 3.1 Petroleum Overview

(Million Barrels Per Day)

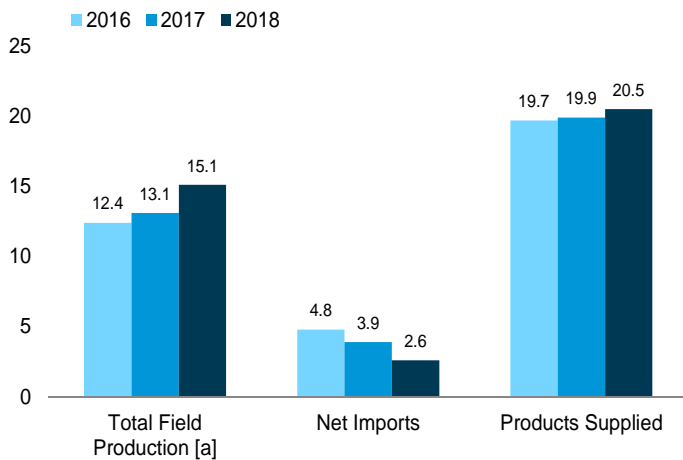
Overview, 1949–2017



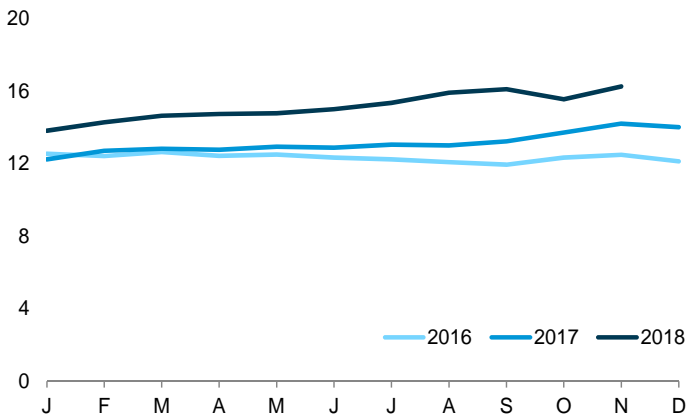
Crude Oil and Natural Gas Liquids Field Production, 1949–2017



Overview, January–November



Total Field Production [a], Monthly



[a] Crude oil, including lease condensate, and natural gas liquids field production.

[b] Includes lease condensate.

Web Page: <http://www.eia.gov/totalenergy/data/monthly/#petroleum>.
Source: Table 3.1.

Table 3.1 Petroleum Overview
(Thousand Barrels per Day)

	Field Production ^a					Renewable Fuels and Oxygenates ^e	Processing Gain ^f	Trade			Stock Change ⁱ	Adjustments ^{c,j}	Petroleum Products Supplied
	Crude Oil ^{b,c}			Natural Gas Liquids	Total ^c			Im-ports ^g	Ex-ports	Net Imports ^h			
	48 States ^d	Alaska	Total										
1950 Average	5,407	0	5,407	499	5,906	NA	2	850	305	545	-56	-51	6,458
1955 Average	6,807	0	6,807	771	7,578	NA	34	1,248	368	880	(s)	-37	8,455
1960 Average	7,034	2	7,035	929	7,965	NA	146	1,815	202	1,613	-83	-8	9,797
1965 Average	7,774	30	7,804	1,210	9,014	NA	220	2,468	187	2,281	-8	-10	11,512
1970 Average	9,408	229	9,637	1,660	11,297	NA	359	3,419	259	3,161	103	-16	14,697
1975 Average	8,183	191	8,375	1,633	10,007	NA	460	6,056	209	5,846	32	41	16,322
1980 Average	6,980	1,617	8,597	1,573	10,170	NA	597	6,909	544	6,365	140	64	17,056
1985 Average	7,146	1,825	8,971	1,609	10,581	NA	557	5,067	781	4,286	-103	200	15,726
1990 Average	5,582	1,773	7,355	1,559	8,914	NA	683	8,018	857	7,161	107	338	16,988
1995 Average	5,076	1,484	6,560	1,762	8,322	NA	774	8,835	949	7,886	-246	496	17,725
2000 Average	4,851	970	5,822	1,911	7,733	NA	948	11,459	1,040	10,419	-69	532	19,701
2001 Average	4,839	963	5,801	1,868	7,670	NA	903	11,871	971	10,900	325	501	19,649
2002 Average	4,759	985	5,744	1,880	7,624	NA	957	11,530	984	10,546	-105	529	19,761
2003 Average	4,675	974	5,649	1,719	7,369	NA	974	12,264	1,027	11,238	56	509	20,034
2004 Average	4,533	908	5,441	1,809	7,250	NA	1,051	13,145	1,048	12,097	209	542	20,731
2005 Average	4,320	864	5,184	1,717	6,901	NA	989	13,714	1,165	12,549	^k 146	509	20,802
2006 Average	4,345	741	5,086	1,739	6,825	NA	994	13,707	1,317	12,390	59	537	20,687
2007 Average	4,352	722	5,074	1,783	6,857	NA	996	13,468	1,433	12,036	-152	640	20,680
2008 Average	4,317	683	5,000	1,784	6,783	NA	993	12,915	1,802	11,114	195	803	19,498
2009 Average	4,704	645	5,349	1,910	7,259	746	979	11,691	2,024	9,667	107	228	18,771
2010 Average	4,878	600	5,478	2,074	7,552	907	1,068	11,793	2,353	9,441	39	253	19,180
2011 Average	5,093	561	5,654	2,216	7,870	1,016	1,076	11,436	2,986	8,450	-129	345	18,887
2012 Average	5,976	526	6,502	2,408	8,909	964	1,059	10,598	3,205	7,393	147	308	18,487
2013 Average	6,952	515	7,467	2,606	10,073	1,002	1,087	9,859	3,621	6,237	-139	429	18,967
2014 Average	8,262	496	8,759	3,015	11,773	1,055	1,081	9,241	4,176	5,065	267	394	19,100
2015 Average	8,948	483	9,431	3,342	12,773	1,095	1,062	9,449	4,738	4,711	429	322	19,534
2016 January	8,681	516	9,197	3,345	12,542	1,109	1,117	9,707	4,977	4,730	1,020	586	19,063
February	8,547	507	9,055	3,369	12,424	1,128	1,070	10,066	4,934	5,132	148	240	19,847
March	8,570	511	9,081	3,556	12,637	1,146	1,049	10,001	5,092	4,910	206	193	19,728
April	8,377	489	8,866	3,570	12,436	1,094	1,095	9,822	5,195	4,627	361	449	19,340
May	8,319	505	8,824	3,672	12,496	1,146	1,160	10,181	5,739	4,441	495	580	19,328
June	8,200	470	8,670	3,662	12,333	1,180	1,114	10,054	5,437	4,617	-36	566	19,846
July	8,197	438	8,635	3,604	12,239	1,180	1,190	10,532	5,226	5,306	550	410	19,776
August	8,211	459	8,670	3,410	12,081	1,190	1,149	10,322	5,097	5,226	-5	626	20,275
September	8,067	452	8,519	3,427	11,946	1,167	1,122	10,199	5,439	4,760	-504	257	19,757
October	8,292	495	8,787	3,544	12,331	1,153	1,089	9,699	4,985	4,715	58	420	19,650
November	8,375	513	8,888	3,596	12,484	1,195	1,113	10,293	5,426	4,867	107	108	19,659
December	8,259	519	8,778	3,352	12,130	1,212	1,143	9,792	5,574	4,219	-860	421	19,984
Average	8,341	490	8,831	3,509	12,340	1,158	1,118	10,055	5,261	4,795	130	406	19,687
2017 January	8,324	516	8,840	3,395	12,235	1,187	1,139	10,745	5,645	5,101	746	407	19,323
February	8,570	513	9,083	3,633	12,716	1,173	1,063	10,033	6,461	3,573	-128	538	19,190
March	8,614	526	9,140	3,685	12,826	1,179	1,112	10,184	6,054	4,130	-602	211	20,060
April	8,559	525	9,085	3,682	12,767	1,142	1,146	10,322	6,277	4,045	-70	426	19,595
May	8,660	508	9,168	3,771	12,939	1,179	1,135	10,729	6,232	4,498	181	499	20,079
June	8,611	463	9,074	3,807	12,881	1,191	1,159	10,325	6,252	4,073	-802	454	20,561
July	8,807	423	9,230	3,822	13,052	1,193	1,101	9,954	6,291	3,663	-369	741	20,119
August	8,793	451	9,244	3,764	13,007	1,222	1,113	10,112	5,665	4,447	-363	100	20,251
September	9,013	482	9,495	3,731	13,226	1,180	1,010	9,752	6,289	3,464	-315	446	19,641
October	9,196	507	9,703	4,020	13,723	1,214	1,081	9,741	7,086	2,655	-1,180	137	19,990
November	9,593	510	10,103	4,106	14,209	1,268	1,146	9,876	7,144	2,732	-596	356	20,307
December	9,528	512	10,040	3,969	14,009	1,240	1,126	9,935	7,136	2,799	-927	222	20,323
Average	8,857	494	9,352	3,783	13,134	1,198	1,111	10,144	6,376	3,768	-370	376	19,958
2018 January	^E 9,487	^E 508	^E 9,995	^E 3,825	^E 13,819	^E 1,204	^E 1,123	^E 10,274	^E 6,615	^E 3,659	^E -500	^E 155	^E 20,461
February	^E 9,735	^E 513	^E 10,248	^E 4,023	^E 14,271	^E 1,221	^E 1,117	^E 9,580	^E 6,844	^E 2,736	^E -140	^E 134	^E 19,619
March	^E 9,949	^E 512	^E 10,461	^E 4,173	^E 14,635	^E 1,206	^E 1,096	^E 9,821	^E 7,105	^E 2,716	^E -444	^E 477	^E 20,573
April	^E 9,978	^E 497	^E 10,475	^E 4,260	^E 14,735	^E 1,199	^E 1,114	^E 10,364	^E 7,730	^E 2,634	^E 78	^E 337	^E 19,941
May	^E 9,968	^E 496	^E 10,464	^E 4,321	^E 14,785	^E 1,223	^E 1,119	^E 10,228	^E 7,517	^E 2,712	^E 206	^E 723	^E 20,357
June	^E 10,222	^E 451	^E 10,672	^E 4,326	^E 14,998	^E 1,257	^E 1,129	^E 10,706	^E 7,801	^E 2,905	^E -108	^E 308	^E 20,705
July	^{RE} 10,541	^{RE} 395	^{RE} 10,936	^{RE} 4,411	^{RE} 15,347	^{RE} 1,273	^{RE} 1,170	^{RE} 10,176	^{RE} 7,827	^{RE} 2,349	^{RE} 163	^{RE} 646	^{RE} 20,621
August	^E 10,918	^E 428	^E 11,346	^E 4,570	^E 15,916	^E 1,287	^E 1,191	^E 10,432	^E 7,043	^E 3,389	^E 620	^E 140	^E 21,302
September	^{RE} 11,003	^E 471	^{RE} 11,475	^R 4,631	^{RE} 16,106	^R 1,211	^R 1,140	^R 9,885	^R 7,611	^R 2,273	^R 1,336	^R 557	^R 19,951
October	^E 10,655	^E 487	^E 11,142	^E 4,411	^E 15,553	^E 1,112	^E 1,088	^E 9,449	^E 7,560	^E 1,889	^E -178	^E 785	^E 20,605
November	^E 11,194	^E 499	^E 11,693	^E 4,567	^E 16,260	^E 1,144	^E 1,139	^E 9,349	^E 7,829	^E 1,520	^E -429	^E 659	^E 21,151
11-Month Average	^E 10,334	^E 478	^E 10,812	^E 4,321	^E 15,133	^E 1,212	^E 1,130	^E 10,027	^E 7,408	^E 2,619	^E 55	^E 450	^E 20,489
2017 11-Month Average	8,795	493	9,288	3,765	13,053	1,194	1,110	10,164	6,305	3,858	-318	390	19,924
2016 11-Month Average	8,349	487	8,836	3,524	12,359	1,154	1,116	10,080	5,232	4,848	222	405	19,660

^a Crude oil production on leases, and natural gas liquids (hydrocarbon gas liquids 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."

^b Includes lease condensate.

^c Once a month, data for crude oil production, total field production, and adjustments are revised going back as far as the data year of the U.S. Energy Information Administration's (EIA) last published *Petroleum Supply Annual (PSA)*—these revisions are released at the same time as EIA's *Petroleum Supply Monthly*. Once a year, data for these series are revised going back as far as 10 years—these revisions are released at the same time as the PSA.

^d United States excluding Alaska and Hawaii.

^e Renewable fuels and oxygenate plant net production.

^f Refinery and blender net production minus refinery and blender net inputs.

See Table 3.2.

^g Includes Strategic Petroleum Reserve imports. See Table 3.3b.

^h Net imports equal imports minus exports.

ⁱ A negative value indicates a decrease in stocks and a positive value indicates

an increase. The current month stock change estimate is based on the change from the previous month's estimate, rather than the stocks values shown in Table 3.4. Includes crude oil stocks in the Strategic Petroleum Reserve, but excludes distillate fuel oil stocks in the Northeast Home Heating Oil Reserve. See Table 3.4.

^j An adjustment for crude oil, hydrogen, oxygenates, renewable fuels, other hydrocarbons, motor gasoline blending components, finished motor gasoline, and distillate fuel oil. See EIA's *Petroleum Supply Monthly*, Appendix B, "PSM Explanatory Notes," for further information.

^k Derived from the 2004 petroleum stocks value that excludes crude oil stocks on leases (1,628 million barrels), not the 2004 petroleum stocks value that includes crude oil stocks on leases (1,645 million barrels).

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

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

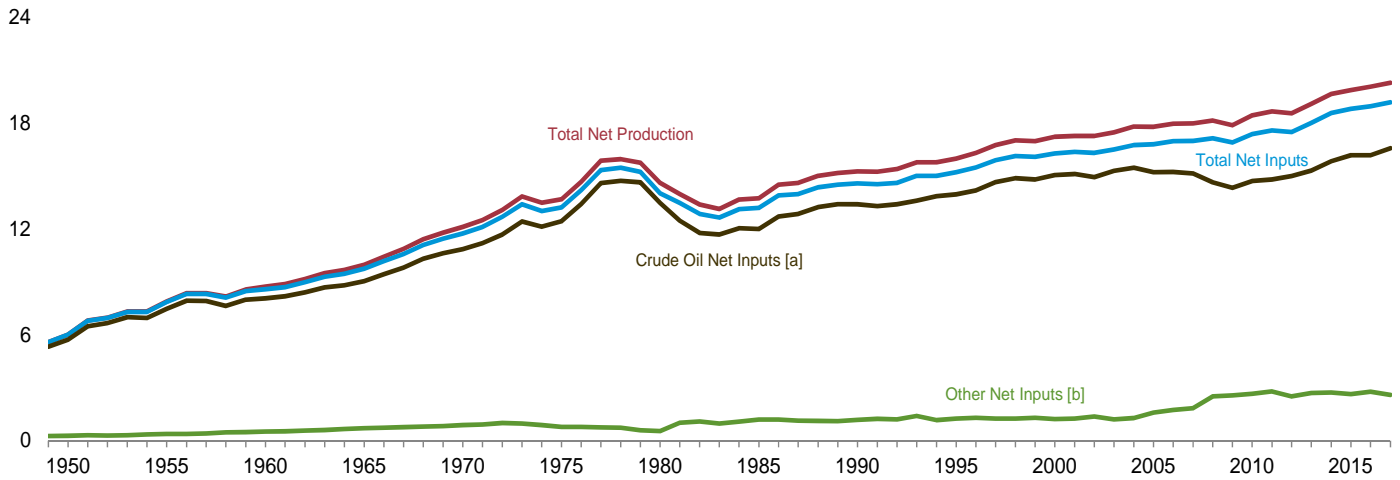
Web Page: See <http://www.eia.gov/totalenergy/data/monthly/#petroleum> (Excel and CSV files) for all available annual data beginning in 1949 and monthly data beginning in 1973.

Sources: See end of section.

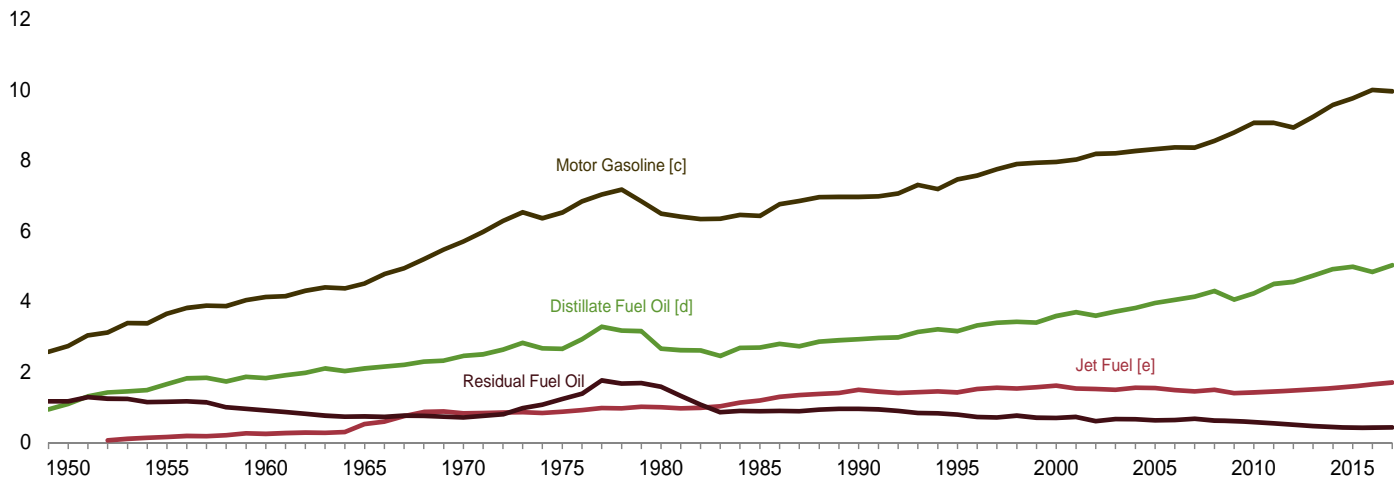
Figure 3.2 Refinery and Blender Net Inputs and Net Production

(Million Barrels per Day)

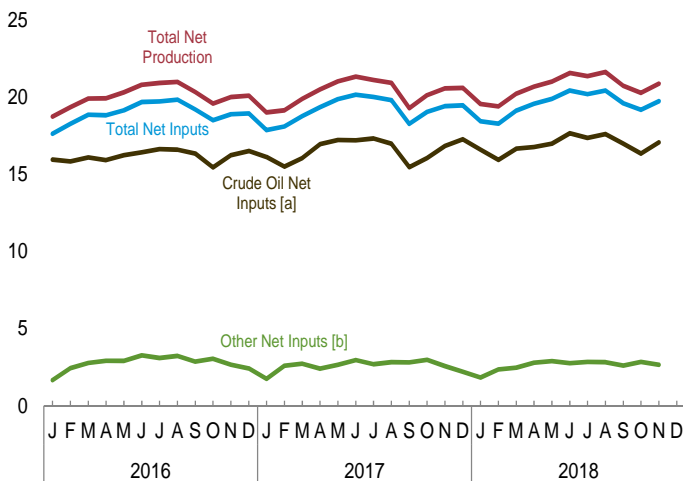
Net Inputs and Net Production, 1949–2017



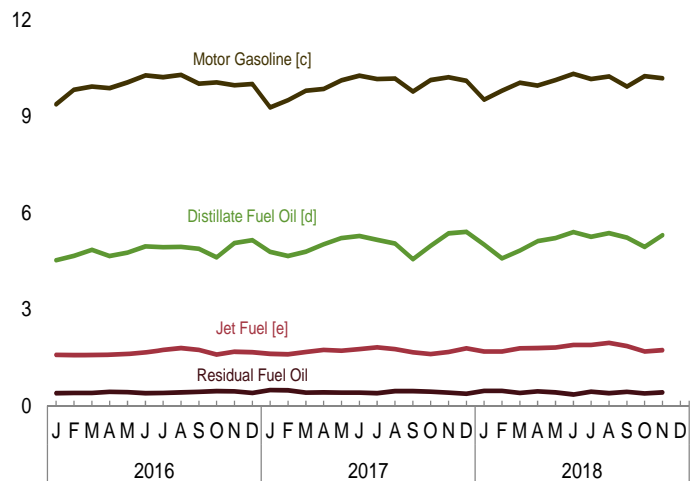
Net Production, Selected Products, 1949–2017



Net Inputs and Net Production, Monthly



Net Production, Selected Products, Monthly



[a] Includes lease condensate.

[b] Natural gas liquids and other liquids.

[c] Beginning in 1993, includes fuel ethanol blended into motor gasoline.

[d] Beginning in 2009, includes renewable diesel fuel (including biodiesel)

blended into distillate fuel oil.

[e] Beginning in 2005, includes kerosene-type jet fuel only.

Web Page: <http://www.eia.gov/totalenergy/data/monthly/#petroleum>.

Source: Table 3.2.

Table 3.2 Refinery and Blender Net Inputs and Net Production
(Thousand Barrels per Day)

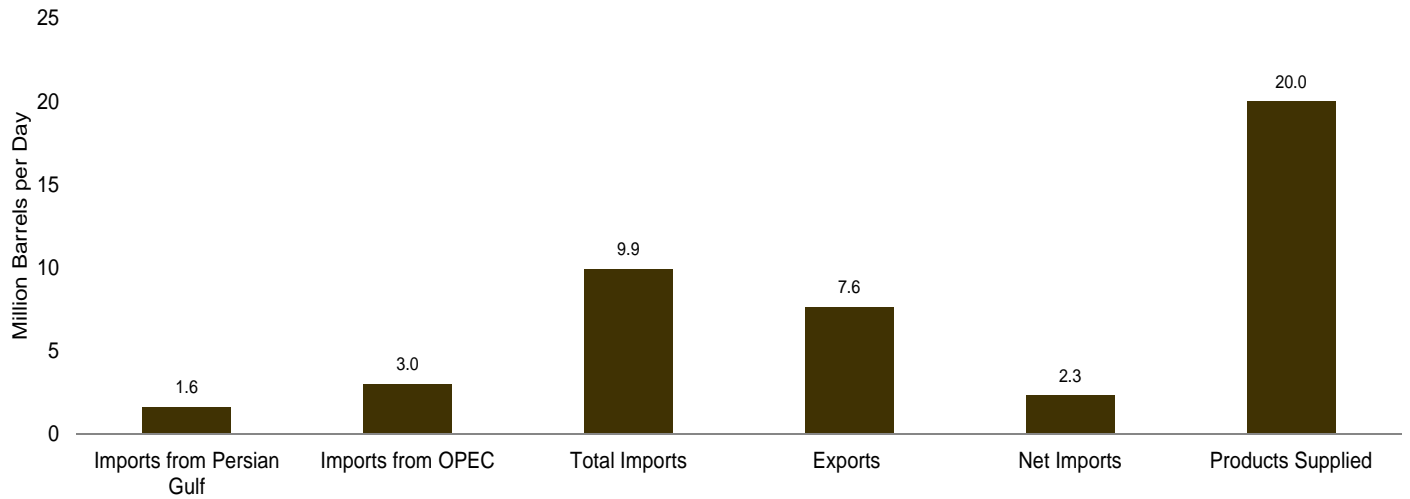
	Refinery and Blender Net Inputs ^a				Refinery and Blender Net Production ^b										
	Crude Oil ^c	Natural Gas Liquids ^d	Other Liquids ^e	Total	Distillate Fuel Oil ^f	Hydrocarbon Gas Liquids				Jet Fuel ^g	Motor Gasoline ^h	Residual Fuel Oil	Other Products ^k	Total	
						Propane/Propylene			Total ^g						Total ^h
						Propane	Propylene	Total ^g							
1950 Average	5,739	259	19	6,018	1,093	NA	NA	NA	80	(i)	2,735	1,165	947	6,019	
1955 Average	7,480	345	32	7,857	1,651	NA	NA	NA	119	155	3,648	1,152	1,166	7,891	
1960 Average	8,067	455	61	8,583	1,823	NA	NA	NA	212	241	4,126	908	1,420	8,729	
1965 Average	9,043	618	88	9,750	2,096	NA	NA	NA	293	523	4,507	736	1,814	9,970	
1970 Average	10,870	763	121	11,754	2,454	E 184	E 55	239	345	827	5,699	706	2,082	12,113	
1975 Average	12,442	710	72	13,225	2,653	E 179	E 60	238	311	871	6,518	1,235	2,097	13,685	
1980 Average	13,481	462	81	14,025	2,661	E 202	E 72	273	330	999	6,492	1,580	2,559	14,622	
1985 Average	12,002	509	681	13,192	2,686	E 223	E 72	295	391	1,189	6,419	882	2,183	13,750	
1990 Average	13,409	467	713	14,589	2,925	299	105	404	499	1,488	6,959	950	2,452	15,272	
1995 Average	13,973	471	775	15,220	3,155	352	151	503	654	1,416	7,459	788	2,522	15,994	
2000 Average	15,067	380	849	16,295	3,580	366	217	583	705	1,606	7,951	696	2,705	17,243	
2001 Average	15,128	429	825	16,382	3,695	352	204	556	667	1,530	8,022	721	2,651	17,285	
2002 Average	14,947	429	941	16,316	3,592	347	225	572	671	1,514	8,183	601	2,712	17,273	
2003 Average	15,304	419	791	16,513	3,707	341	229	570	658	1,488	8,194	660	2,780	17,487	
2004 Average	15,475	422	866	16,762	3,814	341	243	584	645	1,547	8,265	655	2,887	17,814	
2005 Average	15,220	441	1,149	16,811	3,954	311	229	540	573	1,546	8,318	628	2,782	17,800	
2006 Average	15,242	501	1,238	16,981	4,040	302	241	543	627	1,481	8,364	635	2,827	17,975	
2007 Average	15,156	505	1,337	16,999	4,133	330	232	562	655	1,448	8,358	673	2,728	17,994	
2008 Average	14,648	485	2,019	17,153	4,294	312	207	519	630	1,493	8,548	620	2,561	18,146	
2009 Average	14,336	485	2,082	16,904	4,048	291	246	537	623	1,396	8,786	598	2,431	17,882	
2010 Average	14,724	442	2,219	17,385	4,223	282	278	560	659	1,418	9,059	585	2,509	18,452	
2011 Average	14,806	490	2,300	17,596	4,492	270	282	552	619	1,449	9,058	537	2,518	18,673	
2012 Average	14,999	509	1,997	17,505	4,550	276	277	553	630	1,471	8,926	501	2,487	18,564	
2013 Average	15,312	496	2,211	18,019	4,733	284	281	564	623	1,499	9,234	467	2,550	19,106	
2014 Average	15,848	511	2,214	18,574	4,916	306	281	587	653	1,541	9,570	435	2,537	19,654	
2015 Average	16,188	517	2,119	18,824	4,983	283	276	559	615	1,590	9,754	417	2,527	19,886	
2016 January	15,951	672	994	17,618	4,530	284	304	589	354	1,581	9,378	395	2,495	18,735	
February	15,843	569	1,864	18,276	4,668	290	284	574	426	1,578	9,834	403	2,437	19,346	
March	16,082	487	2,284	18,854	4,848	307	289	595	666	1,575	9,932	400	2,483	19,903	
April	15,920	452	2,451	18,823	4,659	314	284	597	829	1,592	9,876	435	2,527	19,919	
May	16,237	420	2,493	19,150	4,760	328	285	613	897	1,606	10,058	427	2,561	20,310	
June	16,433	432	2,825	19,690	4,954	326	272	598	888	1,662	10,280	389	2,632	20,804	
July	16,621	425	2,680	19,726	4,933	321	269	590	873	1,737	10,224	401	2,749	20,916	
August	16,593	427	2,813	19,833	4,939	303	272	576	838	1,796	10,293	420	2,696	20,981	
September	16,340	547	2,312	19,199	4,888	302	273	575	645	1,738	10,020	436	2,594	20,321	
October	15,454	633	2,411	18,498	4,614	291	265	556	476	1,591	10,059	455	2,392	19,587	
November	16,235	699	1,967	18,901	5,066	309	281	589	349	1,680	9,969	450	2,499	20,013	
December	16,516	674	1,755	18,945	5,148	308	287	595	330	1,661	10,013	401	2,535	20,088	
Average	16,187	536	2,238	18,961	4,834	307	280	587	632	1,650	9,995	418	2,550	20,079	
2017 January	16,118	649	1,102	17,870	4,785	298	266	564	355	1,614	9,281	485	2,488	19,009	
February	15,493	587	2,011	18,091	4,657	282	262	544	413	1,603	9,507	482	2,492	19,154	
March	16,048	519	2,213	18,780	4,793	295	291	586	678	1,674	9,802	406	2,539	19,892	
April	16,954	478	1,918	19,351	5,019	298	303	601	857	1,735	9,855	417	2,614	20,497	
May	17,222	484	2,173	19,879	5,216	324	298	622	908	1,713	10,126	408	2,644	21,014	
June	17,204	473	2,491	20,168	5,284	333	282	615	915	1,764	10,270	406	2,689	21,328	
July	17,317	446	2,241	20,005	5,162	312	295	607	877	1,817	10,164	390	2,695	21,106	
August	16,981	480	2,340	19,801	5,044	309	280	589	834	1,764	10,176	453	2,644	20,914	
September	15,460	606	2,201	18,267	4,560	278	235	513	477	1,665	9,778	459	2,338	19,277	
October	16,061	593	2,391	19,045	4,972	303	291	594	520	1,611	10,129	442	2,454	20,126	
November	16,840	731	1,848	19,418	5,362	315	301	616	348	1,671	10,220	408	2,556	20,564	
December	17,274	750	1,450	19,475	5,408	332	311	642	341	1,784	10,104	373	2,590	20,600	
Average	16,590	566	2,031	19,187	5,024	307	285	592	628	1,702	9,954	427	2,563	20,298	
2018 January	16,599	629	1,206	18,435	5,010	296	304	600	394	1,690	9,519	467	2,478	19,558	
February	15,932	634	1,715	18,281	4,584	295	274	568	409	1,690	9,800	462	2,453	19,397	
March	16,665	556	1,915	19,136	4,825	295	276	571	631	1,784	10,052	403	2,538	20,232	
April	16,766	497	2,302	19,564	5,119	307	286	593	800	1,798	9,964	450	2,546	20,678	
May	16,989	454	2,442	19,885	5,213	300	292	591	853	1,808	10,130	415	2,585	21,004	
June	17,666	457	2,307	20,430	5,406	323	286	609	875	1,893	10,326	348	2,712	21,559	
July	17,355	442	2,396	20,194	5,256	320	286	607	870	1,894	10,166	444	2,732	21,363	
August	17,612	504	2,320	20,436	5,369	310	293	604	880	1,955	10,243	391	2,790	21,627	
September	R 16,986	R 565	R 2,045	R 19,596	R 5,230	R 296	R 294	R 590	R 650	R 1,856	R 9,926	R 429	R 2,644	R 20,736	
October	E 16,336	RF 602	RE 2,246	RF 19,183	E 4,942	NA	NA	NA	F 461	E 1,693	E 10,249	E 385	RE 2,541	RE 20,271	
November	E 17,071	F 727	E 1,937	F 19,735	E 5,305	NA	NA	NA	F 494	E 1,729	E 10,190	E 414	E 2,903	E 20,874	
11-Month Average	E 16,913	E 551	E 2,078	E 19,542	E 5,117	NA	NA	E 579	E 653	E 1,800	E 10,053	E 419	E 2,630	E 20,672	
2017 11-Month Average	16,526	549	2,085	19,160	4,989	304	282	587	655	1,694	9,940	432	2,560	20,270	
2016 11-Month Average	16,156	524	2,283	18,963	4,805	307	280	587	659	1,649	9,993	419	2,552	20,078	

^a See "Refinery and Blender Net Inputs" in Glossary.
^b See "Refinery and Blender Net Production" in Glossary.
^c Includes lease condensate.
^d Ethane, propane, normal butane, isobutane, and natural gasoline (pentanes plus).
^e 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), including fuel ethanol. Beginning in 2009, also includes renewable diesel fuel (including biodiesel).
^f Beginning in 2009, includes renewable diesel fuel (including biodiesel) blended into distillate fuel oil.
^g Propane and propylene. Through 1983, also includes 40% of "Butane-Propane Mixtures."
^h Ethane, propane, normal butane, isobutane, and refinery olefins (ethylene, propylene, butylene, and isobutylene).
ⁱ Beginning in 1965, includes kerosene-type jet fuel. (Through 1964, kerosene-type jet fuel is included with kerosene in "Other Products.") For 1952–2004, also includes naphtha-type jet fuel. (Through 1951, naphtha-type jet

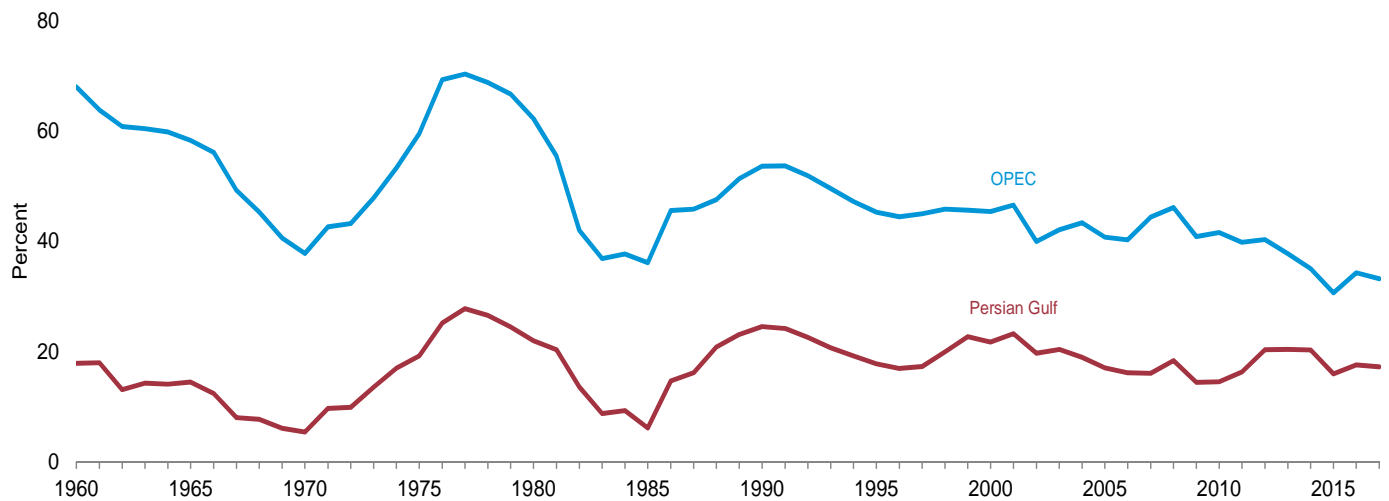
fuel is included in the products from which it was blended—gasoline, kerosene, and distillate fuel oil. Beginning in 2005, naphtha-type jet fuel is included in "Other Products.")
^j Finished motor gasoline. Through 1963, also includes aviation gasoline and special naphthas. Beginning in 1993, also includes fuel ethanol blended into motor gasoline.
^k Asphalt and road oil, kerosene, lubricants, petrochemical feedstocks, petroleum coke, still gas (refinery gas), waxes, and miscellaneous products. Through 1964, also includes kerosene-type jet fuel. Beginning in 1964, also includes finished aviation gasoline and special naphthas. Beginning in 2005, also includes naphtha-type jet fuel.
R=Revised. E=Estimate. F=Forecast. NA=Not available.
Notes: • Totals may not equal sum of components due to independent rounding. • Geographic coverage is the 50 states and the District of Columbia.
Web Page: See <http://www.eia.gov/totalenergy/data/monthly/#petroleum> (Excel and CSV files) for all available annual data beginning in 1949 and monthly data beginning in 1973.
Sources: See end of section.

Figure 3.3a Petroleum Trade: Overview

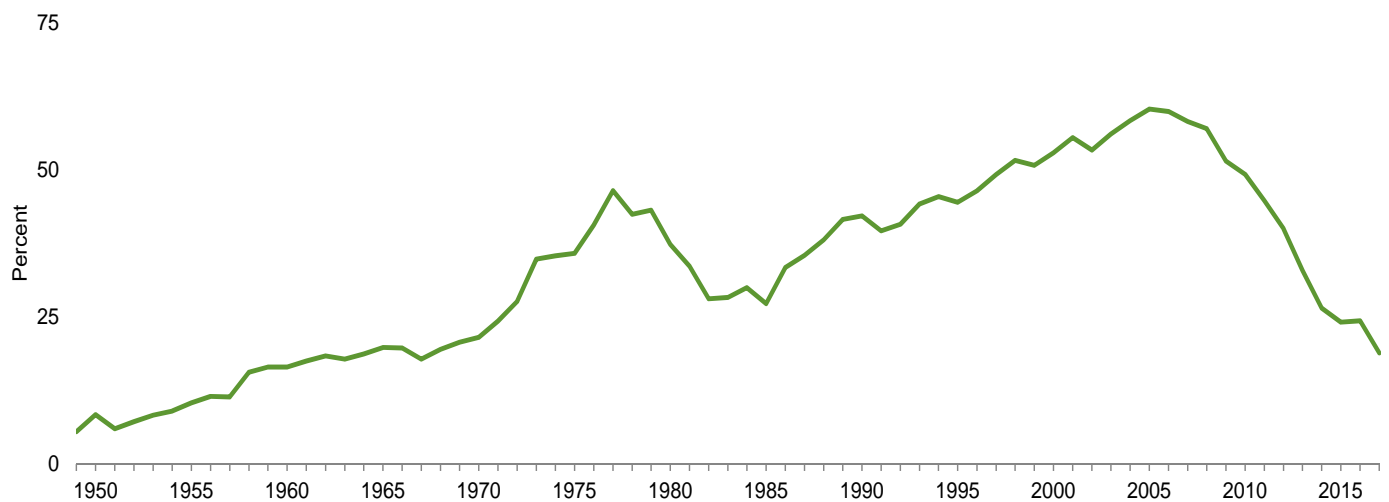
Overview, September 2018



Imports From OPEC and Persian Gulf as Share of Total Imports, 1960–2017



Net Imports as Share of Products Supplied, 1949–2017



Note: OPEC=Organization of the Petroleum Exporting Countries.
 Web Page: <http://www.eia.gov/totalenergy/data/monthly/#petroleum>.
 Source: Table 3.3a.

Table 3.3a Petroleum Trade: Overview

	Imports From Persian Gulf ^a	Imports From OPEC ^b	Imports	Exports	Net Imports	Products Supplied	As Share of Products Supplied				As Share of Total Imports	
							Imports From Persian Gulf ^a	Imports From OPEC ^b	Imports	Net Imports	Imports From Persian Gulf ^a	Imports From OPEC ^b
							Thousand Barrels per Day					
1950 Average	NA	NA	850	305	545	6,458	NA	NA	13.2	8.4	NA	NA
1955 Average	NA	NA	1,248	368	880	8,455	NA	NA	14.8	10.4	NA	NA
1960 Average	326	1,233	1,815	202	1,613	9,797	3.3	12.6	18.5	16.5	17.9	68.0
1965 Average	359	1,439	2,468	187	2,281	11,512	3.1	12.5	21.4	19.8	14.5	58.3
1970 Average	184	1,294	3,419	259	3,161	14,697	1.3	8.8	23.3	21.5	5.4	37.8
1975 Average	1,165	3,601	6,056	209	5,846	16,322	7.1	22.1	37.1	35.8	19.2	59.5
1980 Average	1,519	4,300	6,909	544	6,365	17,056	8.9	25.2	40.5	37.3	22.0	62.2
1985 Average	311	1,830	5,067	781	4,286	15,726	2.0	11.6	32.2	27.3	6.1	36.1
1990 Average	1,966	4,296	8,018	857	7,161	16,988	11.6	25.3	47.2	42.2	24.5	53.6
1995 Average	1,573	4,002	8,835	949	7,886	17,725	8.9	22.6	49.8	44.5	17.8	45.3
2000 Average	2,488	5,203	11,459	1,040	10,419	19,701	12.6	26.4	58.2	52.9	21.7	45.4
2001 Average	2,761	5,528	11,871	971	10,900	19,649	14.1	28.1	60.4	55.5	23.3	46.6
2002 Average	2,269	4,605	11,530	984	10,546	19,761	11.5	23.3	58.3	53.4	19.7	39.9
2003 Average	2,501	5,162	12,264	1,027	11,238	20,034	12.5	25.8	61.2	56.1	20.4	42.1
2004 Average	2,493	5,701	13,145	1,048	12,097	20,731	12.0	27.5	63.4	58.4	19.0	43.4
2005 Average	2,334	5,587	13,714	1,165	12,549	20,802	11.2	26.9	65.9	60.3	17.0	40.7
2006 Average	2,211	5,517	13,707	1,317	12,390	20,687	10.7	26.7	66.3	59.9	16.1	40.2
2007 Average	2,163	5,980	13,468	1,433	12,036	20,680	10.5	28.9	65.1	58.2	16.1	44.4
2008 Average	2,370	5,954	12,915	1,802	11,114	19,498	12.2	30.5	66.2	57.0	18.4	46.1
2009 Average	1,689	4,776	11,691	2,024	9,667	18,771	9.0	25.4	62.3	51.5	14.4	40.9
2010 Average	1,711	4,906	11,793	2,353	9,441	19,180	8.9	25.6	61.5	49.2	14.5	41.6
2011 Average	1,861	4,555	11,436	2,986	8,450	18,887	9.9	24.1	60.6	44.7	16.3	39.8
2012 Average	2,156	4,271	10,598	3,205	7,393	18,487	11.7	23.1	57.3	40.0	20.3	40.3
2013 Average	2,009	3,720	9,859	3,621	6,237	18,967	10.6	19.6	52.0	32.9	20.4	37.7
2014 Average	1,875	3,237	9,241	4,176	5,065	19,100	9.8	16.9	48.4	26.5	20.3	35.0
2015 Average	1,507	2,894	9,449	4,738	4,711	19,534	7.7	14.8	48.4	24.1	15.9	30.6
2016 January	1,520	3,054	9,707	4,977	4,730	19,063	8.0	16.0	50.9	24.8	15.7	31.5
February	1,592	3,230	10,066	4,934	5,132	19,847	8.0	16.3	50.7	25.9	15.8	32.1
March	1,820	3,576	10,001	5,092	4,910	19,728	9.2	18.1	50.7	24.9	18.2	35.8
April	1,709	3,354	9,822	5,195	4,627	19,340	8.8	17.3	50.8	23.9	17.4	34.1
May	1,949	3,665	10,181	5,739	4,441	19,328	10.1	19.0	52.7	23.0	19.1	36.0
June	1,716	3,303	10,054	5,437	4,617	19,846	8.6	16.6	50.7	23.3	17.1	32.9
July	1,797	3,769	10,532	5,226	5,306	19,776	9.1	19.1	53.3	26.8	17.1	35.8
August	1,820	3,427	10,322	5,097	5,226	20,275	9.0	16.9	50.9	25.8	17.6	33.2
September	1,982	3,575	10,199	5,439	4,760	19,757	10.0	18.1	51.6	24.1	19.4	35.1
October	1,698	3,330	9,699	4,985	4,715	19,650	8.6	16.9	49.4	24.0	17.5	34.3
November	1,702	3,560	10,293	5,426	4,867	19,659	8.7	18.1	52.4	24.8	16.5	34.6
December	1,882	3,491	9,792	5,574	4,219	19,984	9.4	17.5	49.0	21.1	19.2	35.6
Average	1,766	3,446	10,055	5,261	4,795	19,687	9.0	17.5	51.1	24.4	17.6	34.3
2017 January	2,085	3,793	10,745	5,645	5,101	19,323	10.8	19.6	55.6	26.4	19.4	35.3
February	2,013	3,445	10,033	6,461	3,573	19,190	10.5	18.0	52.3	18.6	20.1	34.3
March	1,956	3,593	10,184	6,054	4,130	20,060	9.8	17.9	50.8	20.6	19.2	35.3
April	2,100	3,743	10,322	6,277	4,045	19,595	10.7	19.1	52.7	20.6	20.3	36.3
May	1,968	3,669	10,729	6,232	4,498	20,066	9.8	18.3	53.5	22.4	18.3	34.2
June	1,836	3,567	10,325	6,252	4,073	20,661	8.9	17.3	50.2	19.8	17.8	34.5
July	1,796	3,399	9,954	6,291	3,663	20,119	8.9	16.9	49.5	18.2	18.0	34.1
August	1,345	3,163	10,112	5,665	4,447	20,251	6.6	15.6	49.9	22.0	13.3	31.3
September	1,370	2,880	9,752	6,289	3,464	19,641	7.0	14.7	49.7	17.6	14.1	29.5
October	1,491	3,154	9,741	7,086	2,655	19,990	7.5	15.8	48.7	13.3	15.3	32.4
November	1,555	3,044	9,876	7,144	2,732	20,307	7.7	15.0	48.6	13.5	15.7	30.8
December	1,460	2,939	9,935	7,136	2,799	20,323	7.2	14.5	48.9	13.8	14.7	29.6
Average	1,746	3,366	10,144	6,376	3,768	19,958	8.7	16.9	50.8	18.9	17.2	33.2
2018 January	1,591	3,009	10,274	6,615	3,659	20,461	7.8	14.7	50.2	17.9	15.5	29.3
February	1,554	2,740	9,580	6,844	2,736	19,619	7.9	14.0	48.8	13.9	16.2	28.6
March	1,738	2,843	9,821	7,105	2,716	20,573	8.4	13.8	47.7	13.2	17.7	29.0
April	1,899	3,523	10,364	7,730	2,634	19,941	9.5	17.7	52.0	13.2	18.3	34.0
May	1,573	2,737	10,228	7,517	2,712	20,357	7.7	13.4	50.2	13.3	15.4	26.8
June	1,487	3,041	10,706	7,801	2,905	20,705	7.2	14.7	51.7	14.0	13.9	28.4
July	1,489	2,971	10,176	7,827	2,349	20,621	7.2	14.4	49.3	11.4	14.6	29.2
August	1,599	2,857	10,432	7,043	3,389	21,302	7.5	13.4	49.0	15.9	15.3	27.4
September	R 1,645	R 2,996	R 9,885	R 7,611	R 2,273	R 19,951	R 8.2	R 15.0	R 49.5	R 11.4	R 16.6	R 30.3
October	NA	NA	E 9,449	E 7,560	E 1,889	E 20,605	NA	NA	E 45.9	E 9.2	NA	NA
November	NA	NA	E 9,349	E 7,829	E 1,520	E 21,151	NA	NA	E 44.2	E 7.2	NA	NA
11-Month Average ...	NA	NA	E 10,027	E 7,408	E 2,619	E 20,489	NA	NA	E 48.9	E 12.8	NA	NA
2017 11-Month Average ...	1,773	3,405	10,164	6,305	3,858	19,924	8.9	17.1	51.0	19.4	17.4	33.5
2016 11-Month Average ...	1,756	3,441	10,080	5,232	4,848	19,660	8.9	17.5	51.3	24.7	17.4	34.1

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

^b See "Organization of the Petroleum Exporting Countries (OPEC)" in Glossary. See Table 3.3c for notes on which countries are included in the data.

R=Revised. E=Estimate. NA=Not available.
 Notes: • For the feature article "Measuring Dependence on Imported Oil," published in the August 1995 *Monthly Energy Review*, see http://www.eia.gov/totalenergy/data/monthly/pdf/historical/imported_oil.pdf.
 • Beginning in October 1977, data include Strategic Petroleum Reserve imports. See Table 3.3b. • Annual averages may not equal average of months due to independent rounding. • U.S. geographic coverage is the 50 states and the District of Columbia. U.S. exports include shipments to U.S. territories, and imports include

receipts from U.S. territories.

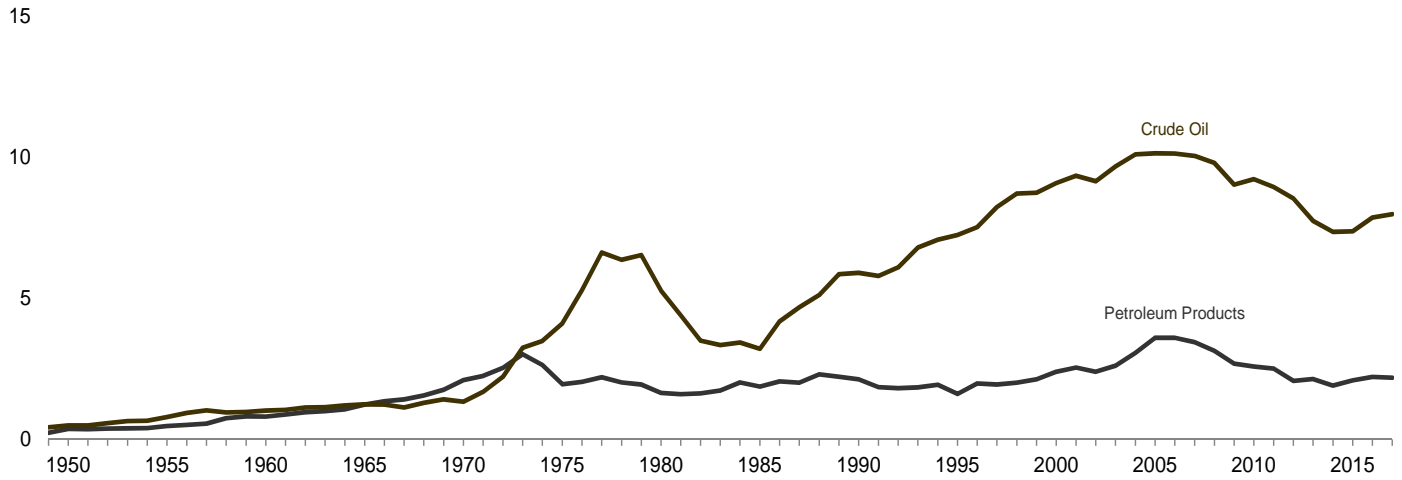
Web Page: See <http://www.eia.gov/totalenergy/data/monthly/#petroleum> (Excel and CSV files) for all available annual data beginning in 1949 and monthly data beginning in 1973.

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. • **1981–2017:** EIA, *Petroleum Supply Annual*, annual reports, and unpublished revisions. • **2018:** EIA, *Petroleum Supply Monthly*, monthly reports; and, for the current two months, *Weekly Petroleum Status Report* data system and *Monthly Energy Review* data system calculations.

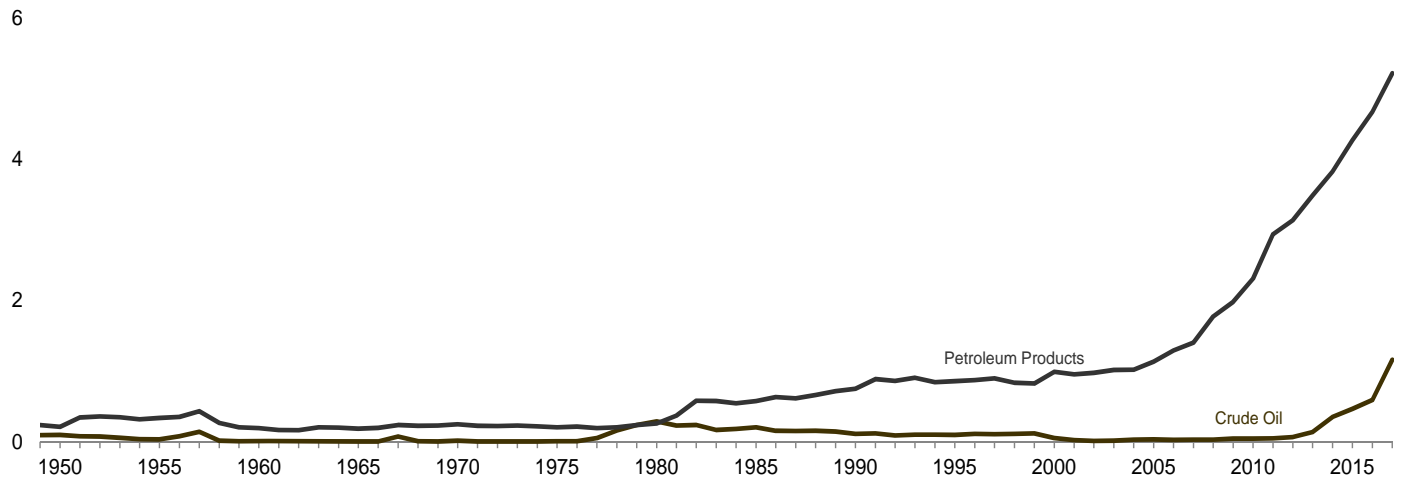
Figure 3.3b Petroleum Trade: Imports and Exports by Type

(Million Barrels per Day)

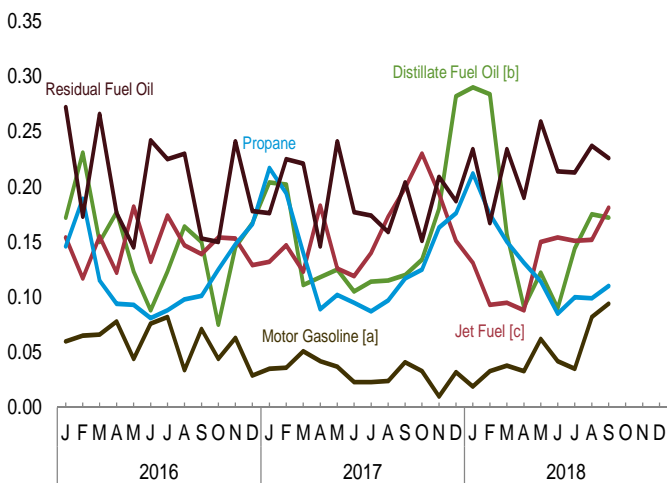
Imports Overview, 1949–2017



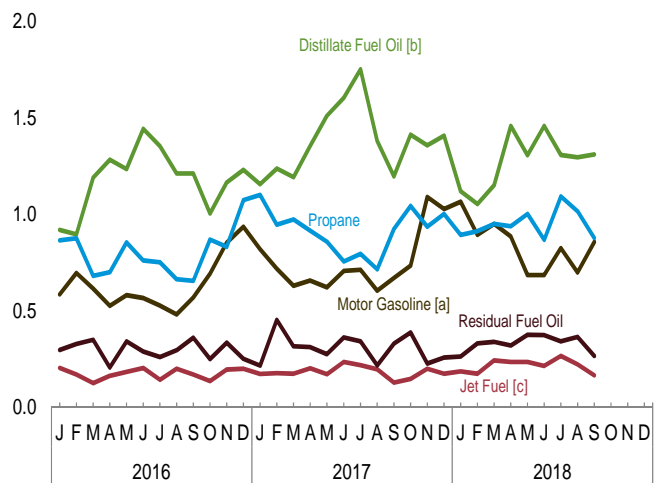
Exports Overview, 1949–2017



Imports, Selected Products, Monthly



Exports, Selected Products, Monthly



[a] Includes fuel ethanol blended into motor gasoline.

[b] Includes renewable diesel fuel (including biodiesel) blended into distillate fuel oil.

[c] Includes kerosene-type jet fuel only.

Web Page: <http://www.eia.gov/totalenergy/data/monthly/#petroleum>.
Sources: Tables 3.3b and 3.3e.

Table 3.3b Petroleum Trade: Imports by Type
(Thousand Barrels per Day)

	Crude Oil ^a		Distillate Fuel Oil	Hydrocarbon Gas Liquids				Jet Fuel ^e	Motor Gasoline ^f	Residual Fuel Oil	Other ^g	Total
	SPR ^b	Total		Propane/Propylene			Total ^d					
				Propane	Propylene	Total ^c						
1950 Average	--	487	7	NA	NA	--	--	(^e)	(s)	329	27	850
1955 Average	--	782	12	NA	NA	--	--	(^e)	13	417	24	1,248
1960 Average	--	1,015	35	NA	NA	NA	4	34	27	637	62	1,815
1965 Average	--	1,238	36	NA	NA	NA	21	81	28	946	119	2,468
1970 Average	--	1,324	147	NA	NA	26	58	144	67	1,528	150	3,419
1975 Average	--	4,105	155	NA	NA	60	185	133	184	1,223	70	6,056
1980 Average	44	5,263	142	NA	NA	84	226	80	140	939	120	6,909
1985 Average	118	3,201	200	NA	NA	67	235	39	381	510	501	5,067
1990 Average	27	5,894	278	NA	NA	115	197	108	342	504	695	8,018
1995 Average	--	7,230	193	95	6	102	192	106	265	187	662	8,835
2000 Average	8	9,071	295	154	7	161	256	162	427	352	897	11,459
2001 Average	11	9,328	344	140	6	145	250	148	454	295	1,051	11,871
2002 Average	16	9,140	267	137	8	145	199	107	498	249	1,069	11,530
2003 Average	--	9,665	333	159	9	168	271	109	518	327	1,041	12,264
2004 Average	77	10,088	325	198	11	209	305	127	496	426	1,377	13,145
2005 Average	52	10,126	329	219	14	233	374	190	603	530	1,562	13,714
2006 Average	8	10,118	365	201	26	228	360	186	475	350	1,854	13,707
2007 Average	7	10,031	304	162	20	182	276	217	413	372	1,856	13,468
2008 Average	19	9,783	213	162	23	185	275	103	302	349	1,891	12,915
2009 Average	56	9,013	225	126	21	147	194	81	223	331	1,623	11,691
2010 Average	--	9,213	228	93	29	121	179	98	134	366	1,574	11,793
2011 Average	--	8,935	179	82	28	110	183	69	105	328	1,637	11,436
2012 Average	--	8,527	126	85	31	116	170	55	44	256	1,421	10,598
2013 Average	--	7,730	155	103	24	127	182	84	45	225	1,438	9,859
2014 Average	--	7,344	195	89	19	108	143	94	49	173	1,242	9,241
2015 Average	--	7,363	200	104	19	124	156	132	71	192	1,335	9,449
2016 January	--	7,615	172	146	19	164	219	154	60	272	1,215	9,707
February	--	7,914	231	189	23	212	244	117	65	173	1,323	10,066
March	--	8,012	150	115	24	139	163	155	66	266	1,188	10,001
April	--	7,611	177	94	22	116	142	122	78	176	1,516	9,822
May	--	7,927	123	93	19	113	149	182	44	145	1,610	10,181
June	--	7,560	88	81	24	105	177	132	76	242	1,779	10,054
July	--	8,096	123	88	28	116	162	174	82	225	1,671	10,532
August	--	8,016	164	98	24	122	174	147	34	230	1,558	10,322
September	--	8,040	150	101	24	126	151	139	71	153	1,495	10,199
October	--	7,570	75	125	18	142	168	154	44	150	1,538	9,699
November	--	8,023	145	148	21	169	198	153	63	241	1,470	10,293
December	--	7,817	167	166	20	186	219	129	29	178	1,253	9,792
Average	--	7,850	147	120	22	142	180	147	59	205	1,468	10,055
2017 January	--	8,478	204	217	28	245	287	132	35	176	1,433	10,745
February	--	7,877	202	194	24	218	257	147	36	225	1,289	10,033
March	--	8,165	111	140	29	169	198	123	51	221	1,314	10,184
April	--	8,204	118	89	24	113	154	183	42	146	1,475	10,322
May	--	8,487	125	102	21	123	169	126	37	241	1,545	10,729
June	--	8,089	105	95	23	119	155	119	23	177	1,657	10,325
July	--	7,915	114	87	26	113	152	140	23	174	1,436	9,954
August	--	7,923	115	97	25	122	161	173	24	159	1,558	10,112
September	--	7,324	120	117	19	136	170	199	41	204	1,694	9,752
October	--	7,681	134	125	15	139	186	230	33	151	1,327	9,741
November	--	7,674	180	163	20	183	223	194	10	209	1,385	9,876
December	--	7,782	282	176	23	198	240	151	32	187	1,261	9,935
Average	--	7,969	151	133	23	156	196	160	32	189	1,448	10,144
2018 January	--	8,012	290	212	15	227	260	131	19	234	1,327	10,274
February	--	7,493	284	175	23	198	231	93	33	167	1,280	9,580
March	--	7,616	157	150	23	173	217	95	38	234	1,463	9,821
April	--	8,244	91	131	10	141	168	88	33	190	1,550	10,364
May	--	7,825	122	114	20	135	158	150	62	259	1,654	10,228
June	--	8,480	90	85	20	105	135	154	42	214	1,591	10,706
July	--	7,923	144	100	20	120	156	151	35	213	1,553	10,176
August	--	8,000	175	99	22	121	159	152	82	237	1,626	10,432
September	--	7,589	R 172	R 110	R 14	R 124	R 172	R 181	R 94	R 227	R 1,451	R 9,885
October	--	E 7,525	E 162	NA	NA	E 141	NA	E 112	E 58	E 229	NA	E 9,449
November	--	E 7,588	E 251	NA	NA	E 149	NA	E 107	E 32	E 148	NA	E 9,349
11-Month Average	--	E 7,847	E 175	NA	NA	E 148	NA	E 129	E 48	E 214	NA	E 10,027
2017 11-Month Average	--	7,986	138	129	23	152	192	160	32	189	1,465	10,164
2016 11-Month Average	--	7,853	145	116	22	138	177	148	62	207	1,488	10,080

^a Includes lease condensate.
^b "SPR" is the Strategic Petroleum Reserve, which began in October 1977. Through 2003, includes crude oil imports by SPR only; beginning in 2004, includes crude oil imports by SPR, and crude oil imports into SPR by others.
^c Propane and propylene. Through 1983, also includes 40% of "Butane-Propane Mixtures" and 30% of "Ethane-Propane Mixtures."
^d Ethane, propane, normal butane, isobutane, natural gasoline (pentanes plus), and refinery olefins (ethylene, propylene, butylene, and isobutylene). Through 1983, also includes plant condensate and unfractionated stream.
^e Beginning in 1965, includes kerosene-type jet fuel. (Through 1964, kerosene-type jet fuel is included with kerosene in "Other.") For 1956-2004, also includes naphtha-type jet fuel. (Through 1955, naphtha-type jet fuel is included in "Motor Gasoline." Beginning in 2005, naphtha-type jet fuel is included in "Other.")
^f 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.
^g Asphalt and road oil, aviation gasoline blending components, kerosene, lubricants, petrochemical feedstocks, petroleum coke, unfinished oils, waxes, other

hydrocarbons and oxygenates, and miscellaneous products. Through 1964, also includes kerosene-type jet fuel. Beginning in 1964, also includes finished aviation gasoline and special naphthas. Beginning in 1981, also includes motor gasoline blending components. Beginning in 2005, also includes naphtha-type jet fuel.
R=Revised. E=Estimate. NA=Not available. --=Not applicable. --=No data reported. (s)=Less than 500 barrels per day.
Notes: • Totals may not equal sum of components due to independent rounding. • Geographic coverage is the 50 states and the District of Columbia.
Web Page: See <http://www.eia.gov/totalenergy/data/monthly/#petroleum> (Excel and CSV files) for all available annual data beginning in 1949 and monthly data beginning in 1973.
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. • 1981-2017: EIA, *Petroleum Supply Annual*, annual reports, and unpublished revisions. • 2018: EIA, *Petroleum Supply Monthly*, monthly reports; and, for the current two months, *Weekly Petroleum Status Report* data system and *Monthly Energy Review* data system calculations.

Table 3.3c Petroleum Trade: Imports From OPEC Countries
(Thousand Barrels per Day)

	Algeria ^a	Angola ^b	Ecuador ^c	Iraq	Kuwait ^d	Libya ^e	Nigeria ^f	Saudi Arabia ^d	Venezuela	Other ^g	Total OPEC
1960 Average	(a)	(b)	(c)	22	182	(e)	(f)	84	911	34	1,233
1965 Average	(a)	(b)	(c)	16	74	42	(f)	158	994	155	1,439
1970 Average	8	(b)	(c)	—	48	47	(f)	30	989	172	1,294
1975 Average	282	(b)	(c)	2	16	232	762	715	702	832	3,601
1980 Average	488	(b)	(c)	27	28	554	857	1,261	481	577	4,300
1985 Average	187	(b)	(c)	67	46	21	293	168	605	439	1,830
1990 Average	280	(b)	(c)	518	86	—	800	1,339	1,025	199	4,296
1995 Average	234	(b)	(c)	—	218	—	627	1,344	1,480	98	4,002
2000 Average	225	(b)	(c)	620	272	—	896	1,572	1,546	72	5,203
2001 Average	278	(b)	(c)	795	250	—	885	1,662	1,553	105	5,528
2002 Average	264	(b)	(c)	459	228	—	621	1,552	1,398	83	4,605
2003 Average	382	(b)	(c)	481	220	—	867	1,774	1,376	61	5,162
2004 Average	452	(b)	(c)	656	250	20	1,140	1,558	1,554	70	5,701
2005 Average	478	(b)	(c)	531	243	56	1,166	1,537	1,529	47	5,587
2006 Average	657	(b)	(c)	553	185	87	1,114	1,463	1,419	38	5,517
2007 Average	670	508	(c)	484	181	117	1,134	1,485	1,361	39	5,980
2008 Average	548	513	221	627	210	103	988	1,529	1,189	26	5,954
2009 Average	493	460	185	450	182	79	809	1,004	1,063	50	4,776
2010 Average	510	393	212	415	197	70	1,023	1,096	988	3	4,906
2011 Average	358	346	206	459	191	15	818	1,195	951	16	4,555
2012 Average	242	233	180	476	305	61	441	1,365	960	9	4,271
2013 Average	115	216	236	341	328	59	281	1,329	806	10	3,720
2014 Average	110	154	215	369	311	6	92	1,166	789	23	3,237
2015 Average	108	136	231	229	204	7	81	1,059	827	12	2,894
2016 January	126	166	334	252	205	10	132	1,054	702	74	3,054
February	174	133	246	245	289	5	274	1,029	773	63	3,230
March	147	172	264	365	123	—	290	1,309	846	59	3,576
April	137	242	182	349	199	10	243	1,154	788	48	3,354
May	102	161	230	571	177	75	297	1,171	787	93	3,665
June	183	128	223	434	135	—	252	1,104	748	97	3,303
July	191	299	234	390	323	5	265	1,053	933	75	3,769
August	169	159	253	488	156	22	181	1,147	773	78	3,427
September	155	157	213	448	275	4	168	1,211	825	119	3,575
October	296	122	203	508	154	—	232	1,025	741	49	3,330
November	300	174	250	434	228	27	247	1,003	849	49	3,560
December	202	102	236	590	254	32	246	1,014	789	25	3,491
Average	182	168	239	424	210	16	235	1,106	796	69	3,446
2017 January	232	118	247	622	105	31	332	1,345	749	10	3,793
February	234	64	141	413	251	22	223	1,338	751	9	3,445
March	193	30	278	544	219	30	342	1,173	764	21	3,593
April	153	84	180	811	101	45	332	1,160	857	21	3,743
May	196	105	230	619	174	87	294	1,132	767	66	3,669
June	254	178	212	587	162	38	320	1,045	663	108	3,567
July	215	189	166	756	206	108	241	795	686	37	3,399
August	229	296	193	456	87	35	397	739	606	125	3,163
September	145	171	223	502	127	59	292	676	620	65	2,880
October	144	124	163	708	119	176	441	591	562	127	3,154
November	120	77	193	611	117	72	470	780	558	47	3,044
December	149	172	253	605	78	73	323	719	513	55	2,939
Average	189	135	207	604	145	65	334	955	674	58	3,366
2018 January	234	71	161	699	100	76	349	744	528	46	3,009
February	119	34	123	617	177	38	386	667	472	107	2,740
March	107	10	136	721	131	79	153	760	559	187	2,843
April	208	169	225	834	107	87	275	904	632	84	3,523
May	134	118	162	588	49	40	102	872	559	112	2,737
June	147	193	173	421	92	75	267	847	643	182	3,041
July	243	188	288	485	63	44	43	876	625	117	2,971
August	198	146	183	421	83	19	66	1,039	592	109	2,857
September	200	73	172	485	36	61	113	1,043	708	106	2,996
9-Month Average	177	112	181	585	92	58	193	863	591	117	2,969
2017 9-Month Average	206	138	209	591	158	51	309	1,042	718	52	3,474
2016 9-Month Average	154	180	243	394	209	15	233	1,137	798	79	3,441

^a Algeria joined OPEC in 1969. For 1960–1968, Algeria is included in "Total Non-OPEC" on Table 3.3d.

^b Angola joined OPEC in January 2007. For 1960–2006, Angola is included in "Total Non-OPEC" on Table 3.3d.

^c Ecuador was a member of OPEC from 1973–1992, and rejoined OPEC in November 2007. For 1960–1972 and 1993–2007, Ecuador is included in "Total Non-OPEC" on Table 3.3d.

^d Through 1970, includes half the imports from the Neutral Zone between Kuwait and Saudi Arabia. Beginning in 1971, imports from the Neutral Zone are reported as originating in either Kuwait or Saudi Arabia depending on the country reported to U.S. Customs.

^e Libya joined OPEC in 1962. For 1960 and 1961, Libya is included in "Total Non-OPEC" on Table 3.3d.

^f Nigeria joined OPEC in 1971. For 1960–1970, Nigeria is included in "Total Non-OPEC" on Table 3.3d.

^g Includes these countries for the dates indicated: Congo-Brazzaville (June 2018 forward), Equatorial Guinea (May 2017 forward), Gabon (1975–1994 and July 2016 forward), Indonesia (1962–2008 and January–November 2016), Iran (1960 forward), Qatar (1961 forward), and United Arab Emirates (1967 forward).

— = No data reported.

Notes: • See "Organization of the Petroleum Exporting Countries (OPEC)" in Glossary. Petroleum imports not classified as "OPEC" on this table are included on Table 3.3d. • The country of origin for petroleum products may not be the country of origin for the crude oil from which the products were produced. For example, refined products imported from West European refining areas may have been produced from Middle East crude oil. • Includes imports for the Strategic Petroleum Reserve, which began in October 1977. • Totals may not equal sum of components due to independent rounding. • U.S. geographic coverage is the 50 states and the District of Columbia.

Web Page: See <http://www.eia.gov/totalenergy/data/monthly/#petroleum> (Excel and CSV files) for all available annual data beginning in 1960 and monthly data beginning in 1973.

Sources: • **1960–1972:** Bureau of Mines, *Minerals Yearbook*, annual reports. • **1973–1975:** 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. • **1981–2017:** EIA, *Petroleum Supply Annual*, annual reports. • **2018:** EIA, *Petroleum Supply Monthly*, monthly reports.

Table 3.3d Petroleum Trade: Imports From Non-OPEC Countries
(Thousand Barrels per Day)

	Brazil	Canada	Colombia	Mexico	Nether-lands	Norway	Russia ^a	United Kingdom	U.S. Virgin Islands	Other	Total Non-OPEC
1960 Average	1	120	42	16	NA	NA	–	(s)	NA	NA	581
1965 Average	–	323	51	48	1	–	–	(s)	–	606	1,029
1970 Average	2	766	46	42	39	–	3	11	189	1,027	2,126
1975 Average	5	846	9	71	19	17	14	14	406	1,052	2,454
1980 Average	3	455	4	533	2	144	1	176	388	903	2,609
1985 Average	61	770	23	816	58	32	8	310	247	913	3,237
1990 Average	49	934	182	755	55	102	45	189	282	1,128	3,721
1995 Average	8	1,332	219	1,068	15	273	25	383	278	1,233	4,833
2000 Average	51	1,807	342	1,373	30	343	72	366	291	1,581	6,257
2001 Average	82	1,828	296	1,440	43	341	90	324	268	1,631	6,343
2002 Average	116	1,971	260	1,547	66	393	210	478	236	1,649	6,925
2003 Average	108	2,072	195	1,623	87	270	254	440	288	1,766	7,103
2004 Average	104	2,138	176	1,665	101	244	298	380	330	2,008	7,444
2005 Average	156	2,181	196	1,662	151	233	410	396	328	2,413	8,127
2006 Average	193	2,353	155	1,705	174	196	369	272	328	2,446	8,190
2007 Average	200	2,455	155	1,532	128	142	414	277	346	1,839	7,489
2008 Average	258	2,493	200	1,302	168	102	465	236	320	1,416	6,961
2009 Average	309	2,479	276	1,210	140	108	563	245	277	1,307	6,915
2010 Average	272	2,535	365	1,284	108	89	612	256	253	1,112	6,887
2011 Average	253	2,729	433	1,206	100	113	624	159	186	1,077	6,881
2012 Average	226	2,946	433	1,035	99	75	477	149	12	874	6,327
2013 Average	151	3,142	389	919	89	54	460	147	–	786	6,138
2014 Average	160	3,388	318	842	85	45	330	117	–	720	6,004
2015 Average	215	3,765	395	758	57	61	371	123	–	811	6,554
2016 January	168	4,084	499	710	57	58	395	115	–	566	6,653
February	148	4,211	507	539	73	61	436	71	–	790	6,836
March	112	3,870	569	657	30	143	329	141	–	574	6,425
April	160	3,549	386	788	54	89	509	149	–	784	6,468
May	110	3,548	570	676	63	44	435	106	–	964	6,516
June	200	3,437	583	739	59	113	485	168	1	966	6,751
July	158	3,451	536	733	43	109	539	92	–	1,102	6,763
August	274	3,809	534	672	31	49	499	141	–	886	6,895
September	154	3,784	500	595	67	124	421	132	–	850	6,624
October	199	3,587	346	614	107	75	491	89	–	861	6,369
November	189	4,032	368	697	74	38	419	137	–	779	6,732
December	126	4,017	397	606	60	11	334	121	–	631	6,302
Average	167	3,780	483	669	60	76	441	122	(s)	812	6,610
2017 January	206	4,285	345	730	75	134	361	143	–	673	6,952
February	240	4,098	401	607	80	34	331	96	–	700	6,588
March	229	4,147	338	630	48	12	379	120	–	689	6,590
April	168	3,892	417	680	62	86	308	123	–	844	6,579
May	132	4,159	424	810	49	73	401	167	–	847	7,061
June	202	3,837	334	784	72	122	503	126	–	779	6,759
July	376	3,824	357	668	45	64	358	113	–	752	6,555
August	258	4,023	388	581	74	186	448	67	–	924	6,950
September	250	3,984	374	430	93	118	450	149	–	1,024	6,872
October	230	3,976	270	654	51	71	355	83	–	897	6,587
November	228	4,046	337	841	43	38	384	61	–	854	6,832
December	166	4,373	363	767	59	7	389	88	–	784	6,995
Average	224	4,054	362	682	62	79	389	111	–	814	6,778
2018 January	272	4,424	512	669	69	57	386	80	–	797	7,265
February	187	4,259	477	713	51	56	297	110	–	692	6,840
March	84	4,191	364	784	91	90	356	94	–	925	6,978
April	184	4,269	282	632	64	122	243	205	–	840	6,841
May	123	4,452	437	608	80	72	491	180	–	1,049	7,492
June	283	4,545	240	876	53	85	439	151	–	994	7,665
July	179	4,157	319	681	43	166	454	164	–	1,041	7,205
August	248	4,233	334	935	67	39	515	175	–	1,028	7,575
September	77	4,034	229	771	44	74	519	207	–	935	6,889
9-Month Average	182	4,285	355	741	63	85	412	152	–	925	7,199
2017 9-Month Average	229	4,028	375	659	66	92	394	123	–	804	6,770
2016 9-Month Average	165	3,748	521	679	53	88	449	124	–	831	6,658

^a Through 1992, may include imports from republics other than Russia in the former U.S.S.R. See "Union of Soviet Socialist Republics (U.S.S.R.)" in Glossary. NA=Not available. –=No data reported. (s)=Less than 500 barrels per day.

Notes: • See "Organization of the Petroleum Exporting Countries (OPEC)" in Glossary. Petroleum imports not classified as "OPEC" on Table 3.3c are included on this table. • The country of origin for petroleum products may not be the country of origin for the crude oil from which the products were produced. For example, refined products imported from West European refining areas may have been produced from Middle East crude oil. • Includes imports for the Strategic Petroleum Reserve, which began in October 1977. • Totals may not equal sum of components due to independent rounding. • U.S. geographic coverage is the 50

states and the District of Columbia.

Web Page: See <http://www.eia.gov/totalenergy/data/monthly/#petroleum> (Excel and CSV files) for all available annual data beginning in 1960 and monthly data beginning in 1973.

Sources: • **1960–1972:** Bureau of Mines, *Minerals Yearbook*, annual reports. • **1973–1975:** 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. • **1981–2017:** EIA, *Petroleum Supply Annual*, annual reports. • **2018:** EIA, *Petroleum Supply Monthly*, monthly reports.

Table 3.3e Petroleum Trade: Exports by Type
(Thousand Barrels per Day)

	Crude Oil ^a	Distillate Fuel Oil	Hydrocarbon Gas Liquids		Jet Fuel ^d	Motor Gasoline ^e	Residual Fuel Oil	Other ^f	Total
			Propane ^b	Total ^c					
1950 Average	95	34	NA	4	(d)	68	44	58	305
1955 Average	32	67	NA	12	(s)	95	93	69	368
1960 Average	8	27	NA	8	(s)	37	51	71	202
1965 Average	3	10	NA	21	3	2	41	108	187
1970 Average	14	2	13	27	6	1	54	154	259
1975 Average	6	1	13	26	2	2	15	158	209
1980 Average	287	3	10	21	1	1	33	197	544
1985 Average	204	67	48	64	13	10	197	225	781
1990 Average	109	109	28	41	43	55	211	287	857
1995 Average	95	183	38	59	26	104	136	12	949
2000 Average	50	173	53	78	32	144	139	46	1,040
2001 Average	20	119	31	45	29	133	191	433	971
2002 Average	9	112	55	67	15	124	177	479	984
2003 Average	12	107	37	59	20	125	197	506	1,027
2004 Average	27	110	28	45	40	124	205	497	1,048
2005 Average	32	138	37	60	53	136	251	496	1,165
2006 Average	25	215	45	68	41	142	283	544	1,317
2007 Average	27	268	42	70	41	127	330	569	1,433
2008 Average	29	528	53	101	61	172	355	555	1,802
2009 Average	44	587	85	139	69	195	415	574	2,024
2010 Average	42	656	109	164	84	296	405	706	2,353
2011 Average	47	854	124	249	97	479	424	835	2,986
2012 Average	67	1,007	171	314	132	409	388	886	3,205
2013 Average	134	1,134	302	468	156	373	362	994	3,621
2014 Average	351	1,101	423	703	163	442	364	1,052	4,176
2015 Average	465	1,176	615	966	168	476	326	1,161	4,738
2016 January	490	919	865	1,245	205	586	298	1,234	4,977
February	454	896	876	1,239	171	696	329	1,149	4,934
March	596	1,190	682	1,088	126	615	350	1,127	5,092
April	624	1,283	701	1,150	164	526	207	1,241	5,195
May	788	1,235	854	1,345	184	581	342	1,265	5,739
June	530	1,443	761	1,173	205	567	290	1,228	5,437
July	536	1,353	752	1,161	143	527	261	1,244	5,226
August	720	1,212	664	1,074	200	481	297	1,113	5,097
September	775	1,211	656	1,102	171	569	361	1,250	5,439
October	502	1,004	870	1,233	137	692	251	1,166	4,985
November	606	1,165	832	1,246	197	853	335	1,025	5,426
December	468	1,230	1,073	1,477	200	936	252	1,010	5,574
Average	591	1,179	799	1,211	175	635	298	1,171	5,261
2017 January	711	1,156	1,100	1,456	174	820	217	1,111	5,645
February	1,146	1,237	947	1,441	178	718	453	1,288	6,461
March	930	1,192	973	1,486	175	630	317	1,323	6,054
April	1,128	1,355	916	1,478	203	657	313	1,144	6,277
May	1,098	1,510	859	1,347	172	622	276	1,206	6,232
June	865	1,604	756	1,249	235	707	363	1,229	6,252
July	956	1,750	795	1,282	220	712	342	1,029	6,291
August	817	1,380	716	1,232	198	605	218	1,215	5,665
September	1,463	1,196	923	1,442	129	671	330	1,057	6,289
October	1,720	1,413	1,044	1,431	148	734	388	1,251	7,086
November	1,544	1,358	936	1,495	201	1,090	228	1,227	7,144
December	1,522	1,408	1,002	1,515	175	1,027	259	1,230	7,136
Average	1,158	1,381	914	1,404	184	749	308	1,192	6,376
2018 January	1,342	1,119	894	1,481	187	1,066	264	1,156	6,615
February	1,605	1,053	913	1,430	175	894	332	1,355	6,844
March	1,671	1,150	951	1,452	244	951	340	1,296	7,105
April	1,756	1,457	939	1,678	235	886	321	1,397	7,730
May	2,005	1,306	1,002	1,749	235	685	376	1,160	7,517
June	2,200	1,458	868	1,628	215	686	375	1,239	7,801
July	2,139	1,308	1,093	1,677	267	825	343	1,270	7,827
August	1,749	1,295	1,015	1,641	223	699	366	1,070	7,043
September	R 2,116	R 1,310	R 878	R 1,640	R 167	R 857	R 267	R 1,255	R 7,611
October	E 2,254	NA	NA	NA	NA	NA	NA	NA	E 7,560
November	E 2,411	NA	NA	NA	NA	NA	NA	NA	E 7,829
11-Month Average	E 1,932	NA	NA	NA	NA	NA	NA	NA	E 7,408
2017 11-Month Average	1,124	1,379	906	1,394	185	723	312	1,189	6,305
2016 11-Month Average	602	1,174	774	1,187	173	608	302	1,186	5,232

^a Includes lease condensate.
^b Through 1983, also includes 40% of "Butane-Propane Mixtures." Through 2012, also includes propylene.
^c Ethane, propane, normal butane, isobutane, and natural gasoline (pentanes plus). Through 2012, also includes refinery olefins (ethylene, propylene, butylene, and isobutylene).
^d Beginning in 1965, includes kerosene-type jet fuel. (Through 1964, kerosene-type jet fuel is included with kerosene in "Other.") For 1953–2004, also includes naphtha-type jet fuel. (Through 1952, naphtha-type jet fuel is included in the products from which it was blended: motor gasoline, kerosene, and distillate fuel oil. Beginning in 2005, naphtha-type jet fuel is included in "Other.")
^e Finished motor gasoline. Through 1952, also includes naphtha-type jet fuel. Through 1963, also includes aviation gasoline and special naphthas. Through 1980, also includes motor gasoline blending components.
^f Asphalt and road oil, kerosene, lubricants, petrochemical feedstocks, petroleum coke, unfinished oils, waxes, other hydrocarbons and oxygenates, and miscellaneous products. Through 1964, also includes kerosene-type jet fuel.

Beginning in 1964, also includes finished aviation gasoline and special naphthas. Beginning in 1981, also includes motor gasoline blending components. Beginning in 2005, also includes naphtha-type jet fuel.
R=Revised. E=Estimate. NA=Not available. (s)=Less than 500 barrels per day.
Notes: • Totals may not equal sum of components due to independent rounding. • Geographic coverage is the 50 states and the District of Columbia.
Web Page: See <http://www.eia.gov/totalenergy/data/monthly/#petroleum> (Excel and CSV files) for all available annual data beginning in 1949 and monthly data beginning in 1973.
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. • 1981–2017: EIA, *Petroleum Supply Annual*, annual reports, and unpublished revisions. • 2018: EIA, *Petroleum Supply Monthly*, monthly reports; and, for the current two months, *Weekly Petroleum Status Report* data system and *Monthly Energy Review* data system calculations.

Table 3.3f Petroleum Trade: Exports by Country of Destination
(Thousand Barrels per Day)

	Brazil	Canada	China	India	Japan	Mexico	Nether-lands	Singa-pore	South Korea	United Kingdom	Other	Total
1960 Average	4	34	NA	NA	62	18	6	NA	NA	12	NA	202
1965 Average	3	26	NA	NA	40	27	10	NA	NA	12	NA	187
1970 Average	7	31	NA	NA	69	33	15	NA	NA	12	NA	259
1975 Average	6	22	NA	1	27	42	23	NA	NA	7	NA	209
1980 Average	4	108	-	1	32	28	23	6	2	7	335	544
1985 Average	3	74	-	2	108	61	44	24	27	14	424	781
1990 Average	2	91	-	6	92	89	54	15	60	11	438	857
1995 Average	16	73	2	3	76	125	33	46	57	14	505	949
2000 Average	28	110	3	3	90	358	42	36	20	10	342	1,040
2001 Average	23	112	6	3	62	274	45	67	14	13	352	971
2002 Average	26	106	14	3	74	254	23	81	11	12	380	984
2003 Average	27	141	24	7	69	228	15	51	10	6	447	1,027
2004 Average	27	158	13	11	63	209	36	41	12	14	464	1,048
2005 Average	39	181	12	11	56	268	25	43	16	21	492	1,165
2006 Average	42	159	11	8	58	255	83	45	21	28	607	1,317
2007 Average	46	189	14	14	54	279	81	71	16	9	660	1,433
2008 Average	54	264	13	10	54	333	131	77	18	17	830	1,802
2009 Average	55	223	44	30	58	322	192	115	23	33	928	2,024
2010 Average	123	233	52	10	88	448	165	128	13	19	1,073	2,353
2011 Average	157	351	73	17	79	570	248	121	15	35	1,320	2,986
2012 Average	166	416	85	36	89	565	239	115	16	41	1,435	3,205
2013 Average	179	549	129	41	117	532	274	136	13	36	1,616	3,621
2014 Average	217	809	89	70	150	559	241	124	46	53	1,817	4,176
2015 Average	188	955	191	78	166	690	226	122	65	89	1,968	4,738
2016 January	243	1,030	239	84	237	737	183	124	126	70	1,902	4,977
February	189	929	266	107	318	633	249	209	59	52	1,923	4,934
March	162	840	242	135	228	891	253	157	75	74	2,034	5,092
April	228	918	272	178	210	791	331	86	98	130	1,953	5,195
May	241	975	218	198	359	773	313	154	163	108	2,239	5,739
June	251	1,064	95	181	208	887	301	104	122	117	2,107	5,437
July	329	1,058	192	205	196	848	262	75	92	89	1,880	5,226
August	298	964	92	133	151	863	360	75	91	123	1,947	5,097
September	211	864	110	138	322	970	258	229	117	139	2,082	5,439
October	273	904	252	133	226	967	225	104	99	73	1,729	4,985
November	381	928	243	54	165	994	177	239	157	37	2,051	5,426
December	315	748	213	134	383	1,199	263	210	91	95	1,924	5,574
Average	260	935	203	140	250	880	265	147	108	92	1,980	5,261
2017 January	270	809	333	102	323	1,120	155	252	124	89	2,067	5,645
February	317	827	611	249	379	980	306	306	159	93	2,233	6,461
March	312	794	387	193	323	883	268	291	128	187	2,288	6,054
April	405	885	452	191	377	909	152	192	251	167	2,297	6,277
May	393	957	384	166	249	887	320	125	197	170	2,383	6,232
June	414	936	272	211	256	1,087	292	237	175	184	2,188	6,252
July	410	980	208	140	316	1,125	269	188	137	195	2,324	6,291
August	415	824	354	239	264	1,022	167	162	179	152	1,889	5,665
September	476	872	531	235	463	1,074	261	174	240	175	1,789	6,289
October	492	655	773	264	393	1,133	312	278	150	211	2,426	7,086
November	444	999	499	217	390	1,377	194	143	257	316	2,308	7,144
December	391	918	576	200	468	1,365	322	182	116	288	2,309	7,136
Average	395	871	447	200	350	1,081	251	210	176	186	2,209	6,376
2018 January	357	923	508	161	354	1,364	289	206	74	145	2,235	6,615
February	394	1,008	608	190	301	1,097	269	233	144	179	2,421	6,844
March	420	864	594	212	321	1,275	208	135	246	282	2,548	7,105
April	355	1,028	426	214	338	1,252	377	200	236	336	2,967	7,730
May	292	1,030	568	264	291	977	340	303	348	279	2,825	7,517
June	411	907	679	413	289	1,020	409	243	499	303	2,629	7,801
July	353	959	545	217	503	1,336	312	121	433	231	2,816	7,827
August	362	841	130	301	433	1,104	289	182	457	273	2,671	7,043
September	376	944	72	276	585	1,176	429	191	406	304	2,852	7,611
9-Month Average	368	944	458	250	380	1,179	324	201	317	259	2,664	7,345
2017 9-Month Average	379	876	390	191	327	1,010	243	213	176	157	2,162	6,124
2016 9-Month Average	240	961	191	151	247	822	279	134	105	100	2,007	5,238

NA=Not available. - =No data reported.

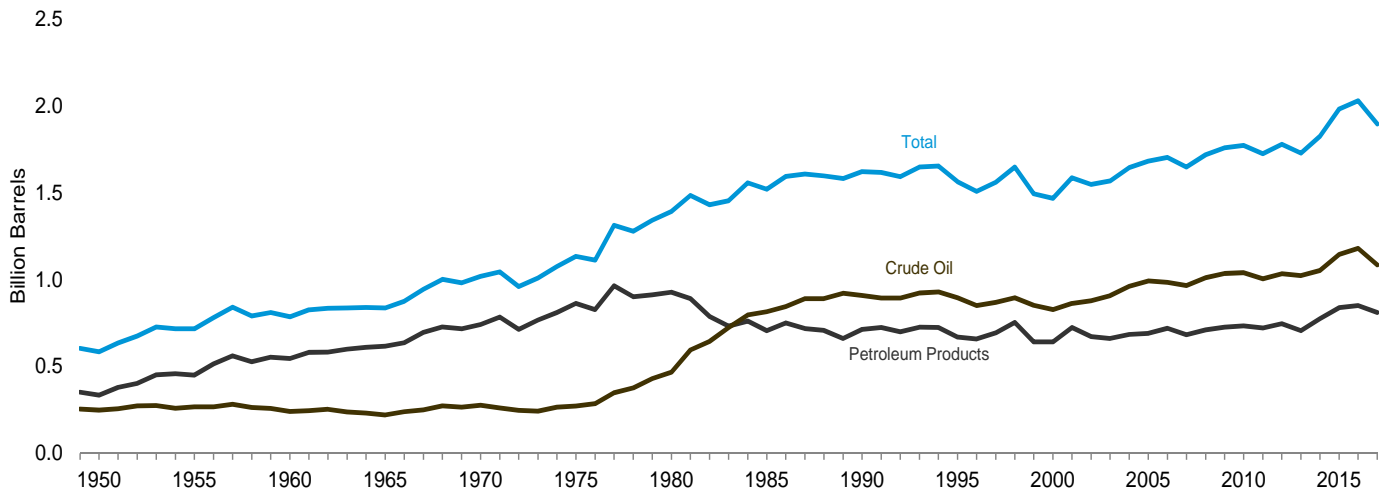
Notes: • Totals may not equal sum of components due to independent rounding. • U.S. geographic coverage is the 50 states and the District of Columbia.

Web Page: See <http://www.eia.gov/totalenergy/data/monthly/#petroleum> (Excel and CSV files) for all available annual data beginning in 1960 and monthly data beginning in 1981.

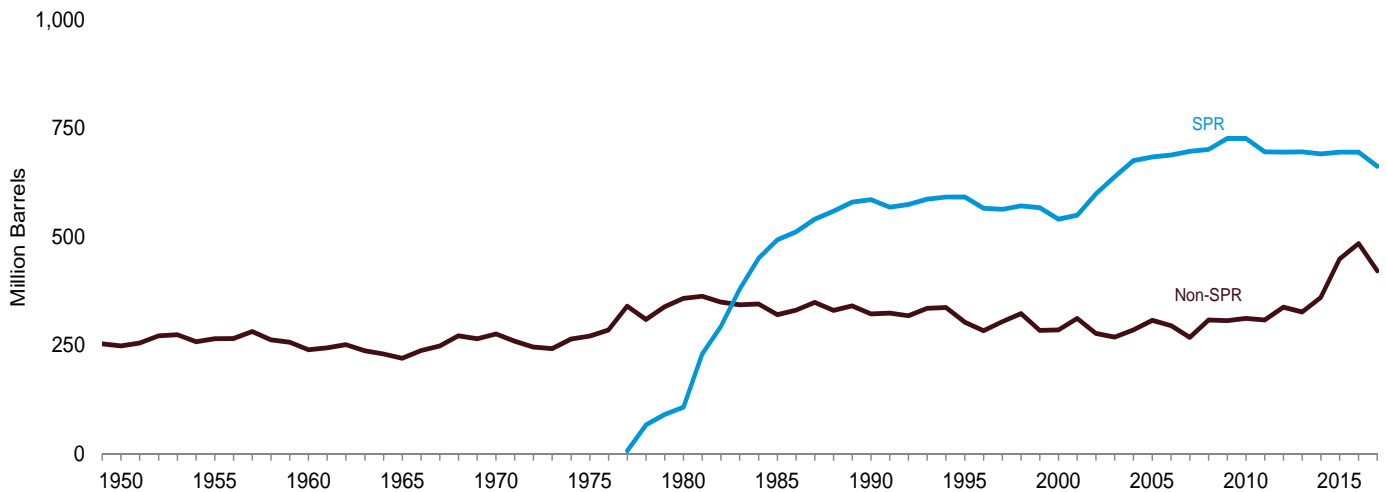
Sources: • **1960–1972:** Bureau of Mines, *Minerals Yearbook*, annual reports. • **1973–1975:** Bureau of Mines, Mineral Industry Surveys, *Petroleum Statement, Annual*, annual reports. • **1976–1980:** U.S. Energy Information Administration (EIA), Energy Data Reports, *Petroleum Statement, Annual*, annual reports. • **1981–2017:** EIA, *Petroleum Supply Annual*, annual reports. • **2018:** EIA, *Petroleum Supply Monthly*, monthly reports.

Figure 3.4 Petroleum Stocks

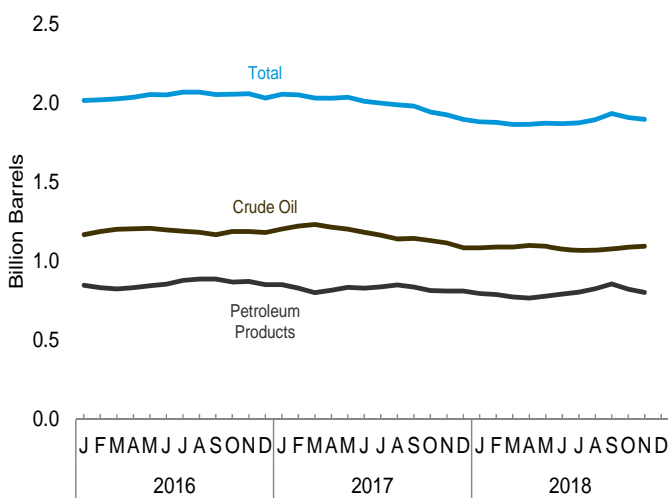
Overview, 1949–2017



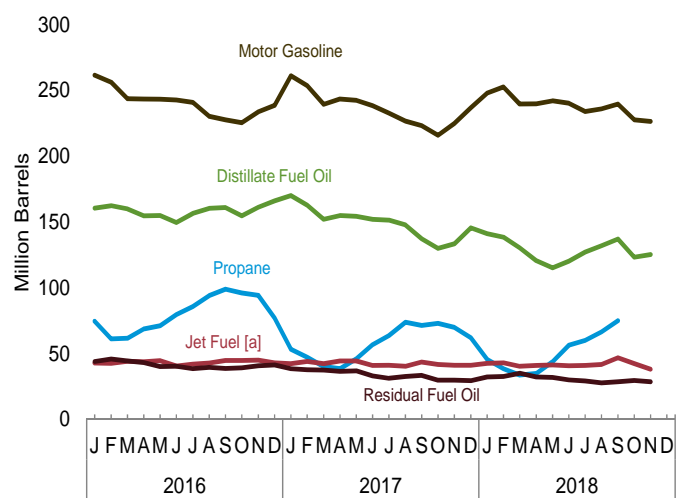
SPR and Non-SPR Crude Oil Stocks, 1949–2017



Overview, Monthly



Selected Products, Monthly



[a] Includes kerosene-type jet fuel only.

Notes: • SPR=Strategic Petroleum Reserve. • Stocks are at end of period.

Web Page: <http://www.eia.gov/totalenergy/data/monthly/#petroleum>.

Source: Table 3.4.

Table 3.4 Petroleum Stocks
(Million Barrels)

	Crude Oil ^a			Distillate Fuel Oil ^e	Hydrocarbon Gas Liquids				Jet Fuel ^h	Motor Gasoline ⁱ	Residual Fuel Oil	Other ^j	Total
	SPR ^b	Non-SPR ^{c,d}	Total ^d		Propane/Propylene			Total ^g					
					Propane	Propylene	Total ^f						
1950 Year	--	248	248	72	NA	NA	NA	2	(h)	116	41	104	583
1955 Year	--	266	266	111	NA	NA	NA	7	3	165	39	123	715
1960 Year	--	240	240	138	NA	NA	NA	23	7	195	45	137	785
1965 Year	--	220	220	155	NA	NA	NA	35	19	175	56	176	836
1970 Year	--	276	276	195	NA	NA	NA	44	28	209	54	181	1,018
1975 Year	--	271	271	209	NA	NA	NA	82	133	235	74	181	1,133
1980 Year	108	358	466	205	NA	NA	NA	71	137	42	92	189	1,392
1985 Year	493	321	814	144	NA	NA	NA	39	82	40	223	50	1,519
1990 Year	586	323	908	132	NA	NA	NA	49	104	52	220	49	1,621
1995 Year	592	303	895	130	NA	NA	NA	43	100	40	202	37	1,563
2000 Year	541	286	826	118	NA	NA	NA	41	88	45	196	36	1,468
2001 Year	550	312	862	145	NA	NA	NA	66	128	42	210	41	1,586
2002 Year	599	278	877	134	NA	NA	NA	53	113	39	209	31	1,548
2003 Year	638	269	907	137	NA	NA	NA	50	101	39	207	38	1,568
2004 Year	676	286	961	126	NA	NA	NA	55	111	40	218	42	1,645
2005 Year	685	308	992	136	NA	NA	NA	57	117	42	208	37	1,682
2006 Year	689	296	984	144	NA	NA	NA	62	125	39	212	42	1,703
2007 Year	697	268	965	134	NA	NA	NA	52	106	39	218	39	1,648
2008 Year	702	308	1,010	146	NA	NA	NA	55	127	38	214	36	1,719
2009 Year	727	307	1,034	166	NA	NA	NA	50	113	43	223	37	1,758
2010 Year	727	312	1,039	164	46	4	49	120	43	219	41	145	1,772
2011 Year	696	308	1,004	149	48	7	55	127	41	223	34	146	1,725
2012 Year	695	338	1,033	135	63	5	68	152	40	231	34	154	1,779
2013 Year	696	327	1,023	128	40	5	45	125	37	228	38	149	1,728
2014 Year	691	361	1,052	136	72	6	78	174	38	240	34	151	1,825
2015 Year	695	449	1,144	161	91	5	96	194	40	235	42	164	1,982
2016 January	695	472	1,167	161	75	5	79	164	43	262	44	173	2,014
February	695	492	1,187	162	61	4	66	147	43	256	46	176	2,018
March	695	505	1,200	160	62	5	67	152	44	244	45	179	2,024
April	695	509	1,204	155	69	6	74	168	44	243	43	178	2,035
May	695	512	1,207	155	71	6	77	185	45	243	40	175	2,051
June	695	501	1,196	150	80	6	85	210	41	243	40	170	2,049
July	695	493	1,189	157	86	5	91	229	42	241	39	171	2,066
August	695	487	1,182	160	94	5	99	247	43	230	40	164	2,066
September	695	472	1,167	161	99	5	104	251	45	228	39	161	2,051
October	695	491	1,186	155	96	7	103	243	45	226	39	159	2,053
November	695	491	1,186	161	94	7	102	233	45	234	41	157	2,056
December	695	485	1,180	166	77	7	84	200	43	239	41	161	2,030
2017 January	695	507	1,202	170	53	6	59	165	43	261	39	174	2,053
February	695	525	1,220	163	47	3	51	154	44	254	38	177	2,049
March	692	539	1,230	152	40	4	44	148	42	240	38	181	2,030
April	689	524	1,213	155	38	4	43	153	45	244	37	182	2,028
May	684	517	1,201	154	46	4	50	170	44	242	37	184	2,034
June	679	502	1,181	152	57	4	61	190	41	238	33	175	2,010
July	679	483	1,162	151	64	5	68	206	41	233	31	174	1,998
August	679	460	1,139	148	74	5	79	230	40	227	33	171	1,987
September	674	470	1,143	137	71	5	76	229	44	223	34	168	1,978
October	669	460	1,129	130	73	5	78	231	42	216	30	164	1,941
November	661	453	1,114	133	70	5	75	216	41	225	30	163	1,923
December	663	422	1,084	146	62	5	67	190	41	237	29	167	1,895
2018 January	664	420	1,084	141	46	5	51	157	43	248	32	174	1,879
February	665	424	1,089	139	39	5	44	142	43	253	33	178	1,876
March	665	423	1,088	130	34	4	38	139	40	240	35	188	1,862
April	664	435	1,099	121	35	4	39	145	41	240	32	186	1,864
May	660	433	1,093	115	44	4	48	163	41	242	32	183	1,870
June	660	415	1,075	120	56	4	60	181	41	240	30	180	1,867
July	660	409	1,069	127	60	4	64	196	41	234	29	176	1,872
August	660	407	1,067	132	67	4	70	213	42	236	28	174	1,892
September	R 660	R 416	R 1,076	R 137	R 75	R 4	R 79	R 225	47	R 240	R 29	R 178	R 1,932
October	E 655	E 431	E 1,086	E 123	NA	NA	E 84	RF 225	E 42	E 228	E 30	RE 174	E 1,907
November	E 650	E 443	E 1,093	E 125	NA	NA	E 79	F 208	E 38	E 227	E 29	E 175	E 1,895

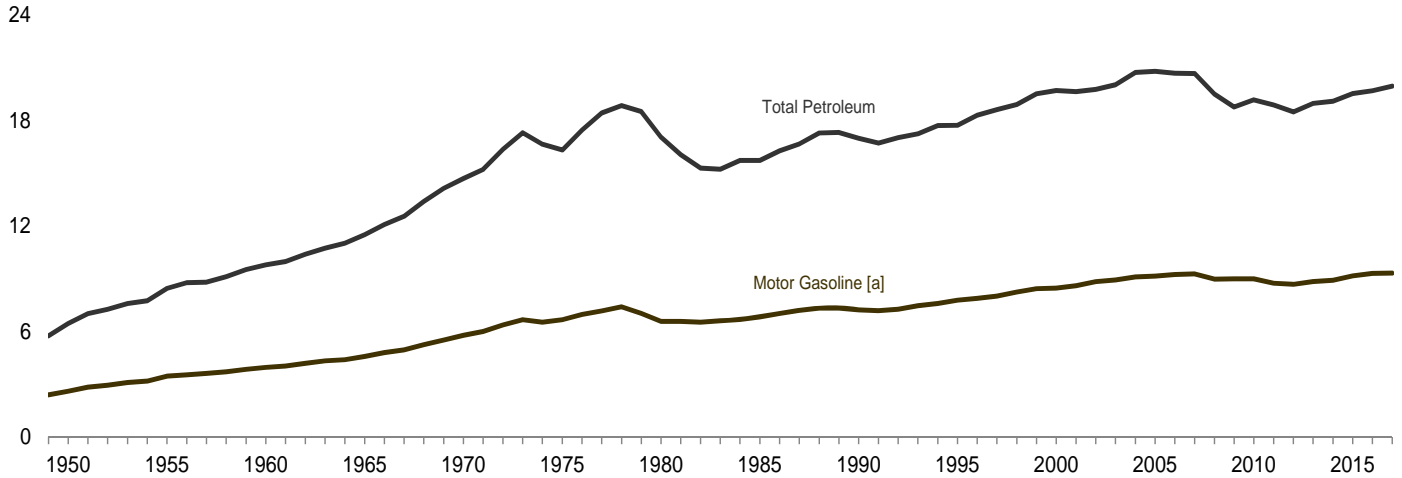
^a Includes lease condensate.
^b "SPR" is the Strategic Petroleum Reserve, which began in October 1977.
^c Crude oil stocks in the SPR include non-U.S. stocks held under foreign or commercial storage agreements.
^d All crude oil stocks other than those in "SPR."
^e Beginning in 1981, includes stocks of Alaskan crude oil in transit.
^f Excludes stocks in the Northeast Home Heating Oil Reserve. Beginning in 2009, includes renewable diesel fuel (including biodiesel) blended into distillate fuel oil.
^g Propane and propylene. Through 1983, also includes 40% of "Butane-Propane Mixtures" and 30% of "Ethane-Propane Mixtures."
^h Ethane, propane, normal butane, isobutane, natural gasoline (pentanes plus), and refinery olefins (ethylene, propylene, butylene, and isobutylene). Through 1983, also includes plant condensate and unfractionated stream.
ⁱ Beginning in 1965, includes kerosene-type jet fuel. (Through 1964, kerosene-type jet fuel is included with kerosene in "Other.") For 1952-2004, also includes naphtha-type jet fuel. (Through 1951, naphtha-type jet fuel is included in the products from which it was blended—gasoline, kerosene, and distillate fuel oil. Beginning in 2005, naphtha-type jet fuel is included in "Other.")
^j Includes finished motor gasoline and motor gasoline blending components; excludes oxygenates. Through 1963, also includes aviation gasoline and special naphthas.

^k Asphalt and road oil, aviation gasoline blending components, kerosene, lubricants, petrochemical feedstocks, petroleum coke, unfinished oils, waxes, miscellaneous products, oxygenates, renewable fuels, and other hydrocarbons. Through 1964, also includes kerosene-type jet fuel. Beginning in 1964, also includes finished aviation gasoline and special naphthas. Beginning in 2005, also includes naphtha-type jet fuel.
R=Revised. E=Estimate. F=Forecast. NA=Not available. --=Not applicable.
Notes: • Stocks are at end of period. • Totals may not equal sum of components due to independent rounding. • Geographic coverage is the 50 states and the District of Columbia.
Web Page: See <http://www.eia.gov/totalenergy/data/monthly/#petroleum> (Excel and CSV files) for all available annual data beginning in 1949 and monthly data beginning in 1973.
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. • 1981-2017: EIA, *Petroleum Supply Annual*, annual reports, and unpublished revisions. • 2018: EIA, *Petroleum Supply Monthly*, monthly reports; and, for the current two months, *Weekly Petroleum Status Report* data system, Short-Term Integrated Forecasting System, and *Monthly Energy Review* data system calculations.

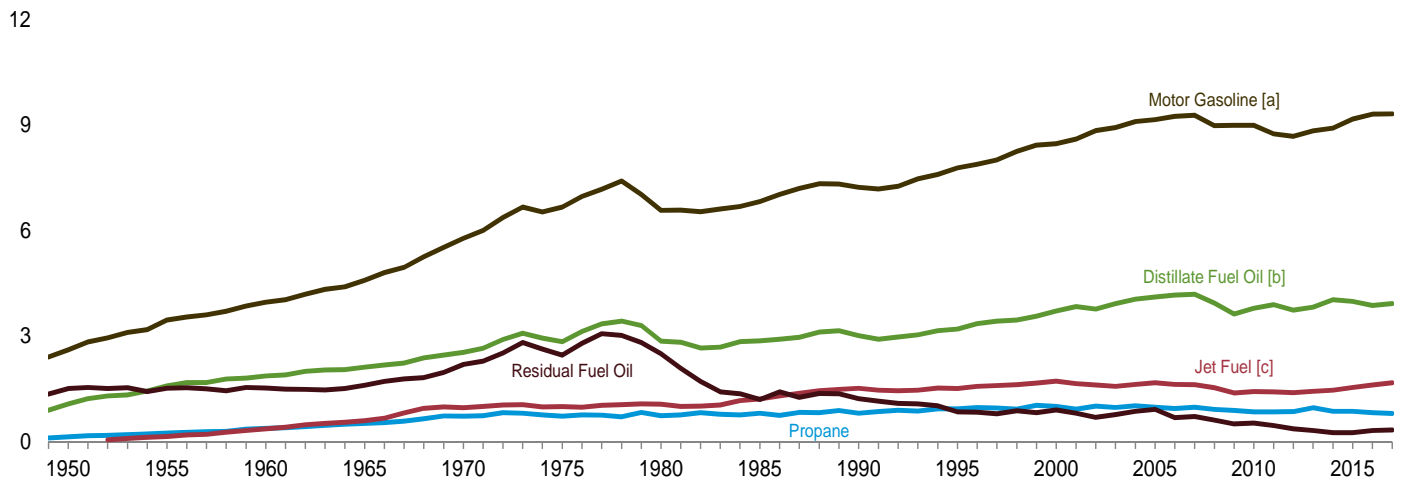
Figure 3.5 Petroleum Products Supplied by Type

(Million Barrels per Day)

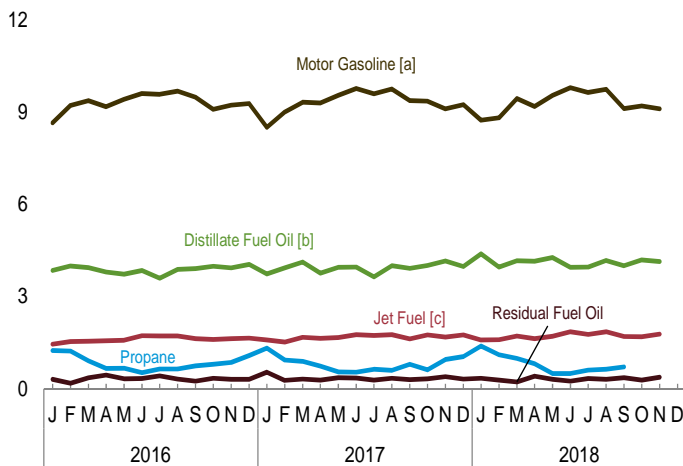
Total Petroleum and Motor Gasoline, 1949–2017



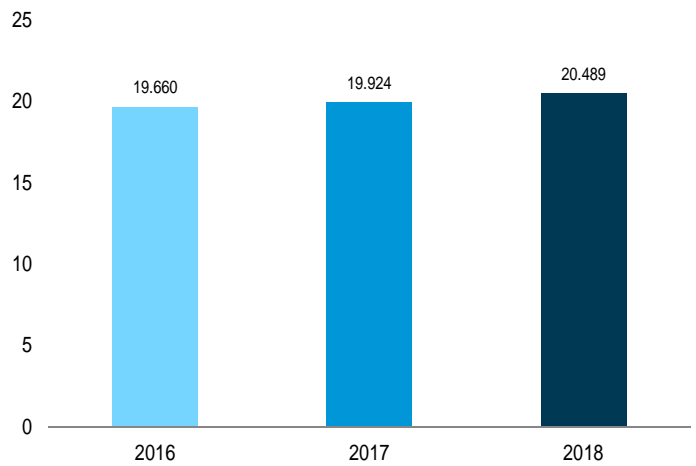
Selected Products, 1949–2017



Selected Products, Monthly



Total, January–November



[a] Beginning in 1993, includes fuel ethanol blended into motor gasoline.
 [b] Beginning in 2009, includes renewable diesel fuel (including biodiesel) blended into distillate fuel oil.

[c] Beginning in 2005, includes kerosene-type jet fuel only.
 Web Page: <http://www.eia.gov/totalenergy/data/monthly/#petroleum>.
 Source: Table 3.5.

Table 3.5 Petroleum Products Supplied by Type
(Thousand Barrels per Day)

	Asphalt and Road Oil	Aviation Gasoline	Distillate Fuel Oil ^a	Hydrocarbon Gas Liquids				Jet Fuel ^d	Kerosene	Lubricants	Motor Gasoline ^e	Petroleum Coke	Residual Fuel Oil	Other ^f	Total
				Propane/Propylene			Total ^c								
				Propane	Propylene	Total ^b									
1950 Average	180	108	1,082	E 146	E 13	E 158	234	(^d)	323	106	2,616	41	1,517	250	6,458
1955 Average	254	192	1,592	E 251	E 22	E 273	404	154	320	116	3,463	67	1,526	366	8,455
1960 Average	302	161	1,872	E 386	E 33	E 419	621	371	271	117	3,969	149	1,529	435	9,797
1965 Average	368	120	2,126	E 523	E 45	E 568	841	602	267	129	4,593	202	1,608	657	11,512
1970 Average	447	55	2,540	E 727	E 55	E 782	1,224	967	263	136	5,785	212	2,204	866	14,697
1975 Average	419	39	2,851	E 730	E 60	E 790	1,352	1,001	159	137	6,675	247	2,462	982	16,322
1980 Average	396	35	2,866	E 742	E 72	E 813	1,590	1,068	158	159	6,579	237	2,508	1,460	17,056
1985 Average	425	27	2,868	E 810	E 72	E 883	1,721	1,218	114	145	6,831	264	1,202	909	15,726
1990 Average	483	24	3,021	E 812	E 105	E 917	1,705	1,522	43	164	7,235	339	1,229	1,225	16,988
1995 Average	486	21	3,207	E 938	E 157	E 1,096	2,100	1,514	54	156	7,789	365	852	1,180	17,725
2000 Average	525	20	3,722	E 1,011	E 224	E 1,235	2,434	1,725	67	166	8,472	406	909	1,255	19,701
2001 Average	519	19	3,847	E 932	E 210	E 1,142	2,200	1,655	72	153	8,610	437	811	1,325	19,649
2002 Average	512	18	3,776	E 1,015	E 233	E 1,248	2,295	1,614	43	151	8,848	463	700	1,342	19,761
2003 Average	503	16	3,927	E 977	E 238	E 1,215	2,205	1,578	55	140	8,935	455	772	1,448	20,034
2004 Average	537	17	4,058	E 1,021	E 255	E 1,276	2,264	1,630	64	141	9,105	524	865	1,525	20,731
2005 Average	546	19	4,118	E 986	E 243	E 1,229	2,146	1,679	70	141	9,159	515	920	1,489	20,802
2006 Average	521	18	4,169	E 947	E 268	E 1,215	2,135	1,633	54	137	9,253	522	689	1,557	20,687
2007 Average	494	17	4,196	E 983	E 252	E 1,235	2,191	1,622	32	142	9,286	490	723	1,487	20,680
2008 Average	417	15	3,945	E 924	E 230	E 1,154	2,044	1,539	14	131	8,989	464	622	1,317	19,498
2009 Average	360	14	3,631	E 893	E 267	E 1,160	2,127	1,393	18	118	8,997	427	511	1,175	18,771
2010 Average	362	15	3,800	852	308	1,160	2,265	1,432	20	131	8,993	376	535	1,251	19,180
2011 Average	355	15	3,899	851	301	1,153	2,241	1,425	12	125	8,753	361	461	1,240	18,887
2012 Average	340	14	3,741	862	312	1,175	2,297	1,398	5	114	8,682	360	369	1,165	18,487
2013 Average	323	12	3,827	969	307	1,275	2,501	1,434	5	121	8,843	354	319	1,227	18,967
2014 Average	327	12	4,037	870	297	1,167	2,442	1,470	9	126	8,921	347	257	1,151	19,100
2015 Average	343	11	3,995	865	297	1,162	2,552	1,548	6	138	9,178	349	259	1,153	19,534
2016 January	195	7	3,850	1,245	329	1,574	2,958	1,449	2	136	8,653	380	306	1,126	19,063
February	230	11	3,996	1,226	317	1,543	2,798	1,534	2	148	9,221	361	173	1,362	19,847
March	254	10	3,947	907	287	1,193	2,613	1,547	10	143	9,373	364	361	1,107	19,728
April	301	14	3,799	659	292	951	2,403	1,566	3	131	9,176	293	449	1,205	19,340
May	394	11	3,732	666	300	966	2,383	1,578	8	132	9,417	276	323	1,075	19,328
June	482	12	3,853	528	302	830	2,269	1,723	10	146	9,608	246	338	1,159	19,846
July	472	12	3,597	640	312	952	2,421	1,720	11	115	9,578	322	424	1,103	19,776
August	524	14	3,880	646	305	950	2,308	1,722	1	124	9,687	437	318	1,261	20,275
September	439	11	3,912	749	280	1,030	2,429	1,635	14	125	9,484	285	253	1,171	19,757
October	417	10	3,986	795	243	1,038	2,557	1,610	19	131	9,093	311	340	1,175	19,650
November	310	12	3,938	861	282	1,142	2,520	1,632	2	121	9,233	485	305	1,101	19,659
December	195	10	4,043	1,084	313	1,397	2,775	1,653	21	115	9,283	381	306	1,201	19,984
Average	351	11	3,877	833	297	1,130	2,536	1,614	9	130	9,317	345	326	1,170	19,687
2017 January	183	9	3,736	1,320	333	1,653	3,049	1,588	24	136	8,507	419	540	1,133	19,323
February	242	9	3,935	935	371	1,306	2,655	1,517	9	128	9,008	229	279	1,180	19,190
March	260	10	4,127	892	313	1,205	2,729	1,676	2	143	9,325	180	319	1,288	20,060
April	316	11	3,763	737	308	1,044	2,524	1,644	2	128	9,295	292	283	1,338	19,595
May	367	12	3,955	548	331	879	2,451	1,669	3	131	9,550	345	357	1,227	20,066
June	475	17	3,964	544	306	850	2,479	1,762	2	120	9,772	278	349	1,345	20,561
July	443	13	3,642	637	298	935	2,588	1,734	1	116	9,595	451	287	1,251	20,119
August	543	14	4,004	604	278	882	2,249	1,762	1	92	9,752	294	346	1,195	20,251
September	444	10	3,921	802	269	1,071	2,347	1,627	14	114	9,378	346	302	1,137	19,641
October	411	9	4,011	618	315	933	2,614	1,751	1	123	9,357	174	323	1,214	19,990
November	308	11	4,157	956	317	1,273	2,902	1,685	3	122	9,110	395	394	1,219	20,307
December	209	12	3,975	1,048	338	1,385	3,118	1,756	1	94	9,247	384	314	1,214	20,323
Average	351	11	3,932	803	314	1,117	2,643	1,682	5	121	9,327	316	342	1,228	19,958
2018 January	204	10	4,394	1,391	315	1,706	3,451	1,586	40	105	8,742	359	340	1,232	20,461
February	219	7	3,962	1,105	300	1,404	3,119	1,599	1	105	8,817	202	282	1,306	19,619
March	233	13	4,169	989	332	1,321	3,069	1,718	1	134	9,446	288	223	1,280	20,573
April	242	13	4,154	814	286	1,100	2,830	1,634	1	99	9,187	300	409	1,072	19,941
May	370	12	4,273	495	304	799	2,543	1,707	8	111	9,550	312	312	1,159	20,357
June	475	15	3,954	499	330	830	2,632	1,854	1	133	9,798	354	249	1,240	20,705
July	471	16	3,958	614	305	919	2,806	1,772	1	127	9,640	336	337	1,157	20,621
August	508	14	4,173	636	316	952	2,889	1,856	1	120	9,748	449	312	1,234	21,302
September	R 388	R 9	R 4,007	R 711	R 301	R 1,011	R 2,841	R 1,700	R (s)	R 73	R 9,118	R 420	R 362	R 1,032	R 19,951
October	F 430	RF 7	E 4,194	NA	NA	E 1,163	RF 3,064	E 1,690	RF 5	RF 135	E 9,203	RF 248	E 280	RE 1,348	E 20,605
November	F 317	F 10	E 4,145	NA	NA	E 1,331	E 3,219	E 1,779	F 4	F 138	E 9,108	F 464	E 380	E 1,587	E 21,151
11-Month Average	E 352	E 12	E 4,128	NA	NA	E 1,138	E 2,950	E 1,719	E 6	E 117	E 9,309	E 340	E 317	E 1,240	E 20,489
2017 11-Month Average	364	11	3,928	780	312	1,092	2,599	1,675	6	123	9,334	310	344	1,230	19,924
2016 11-Month Average	366	11	3,862	810	295	1,105	2,514	1,611	8	132	9,320	342	328	1,167	19,660

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

^b Propane and propylene. Through 1983, also includes 40% of "Butane-Propane Mixtures" and 30% of "Ethane-Propane Mixtures."

^c Ethane, propane, normal butane, isobutane, natural gasoline (pentanes plus), and refinery olefins (ethylene, propylene, butylene, and isobutylene). Through 1983, also includes plant condensate and unrefined stream.

^d Beginning in 1957, includes kerosene-type jet fuel. For 1952–2004, also includes naphtha-type jet fuel. (Through 1951, naphtha-type jet fuel is included in the products from which it was blended—gasoline, kerosene, and distillate fuel oil. Beginning in 2005, naphtha-type jet fuel is included in "Other.")

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

^f 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. E=Estimate. F=Forecast. NA=Not available. (s)=Less than 500 barrels per day and greater than -500 barrels per day.

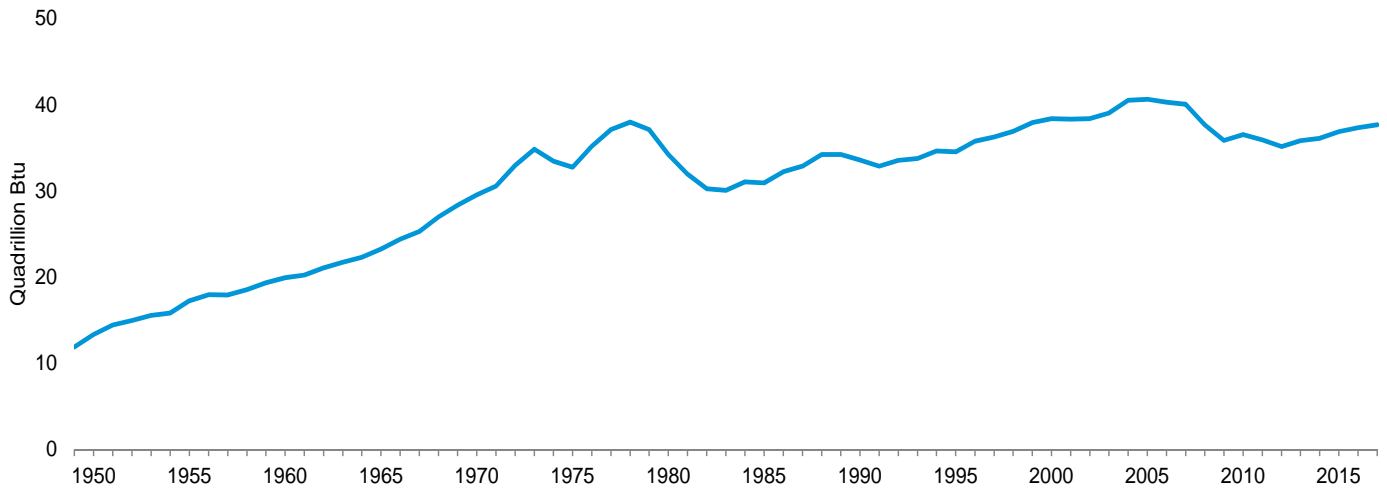
Notes: • Petroleum products supplied is an approximation of petroleum consumption and is synonymous with the term "petroleum consumption" in Tables 3.7a–3.8c. See Note 1, "Petroleum Products Supplied and Petroleum Consumption," at end of section. • Totals may not equal sum of components due to independent rounding. • Geographic coverage is the 50 states and the District of Columbia.

Web Page: See <http://www.eia.gov/totalenergy/data/monthly/#petroleum> (Excel and CSV files) for all available annual data beginning in 1949 and monthly data beginning in 1973.

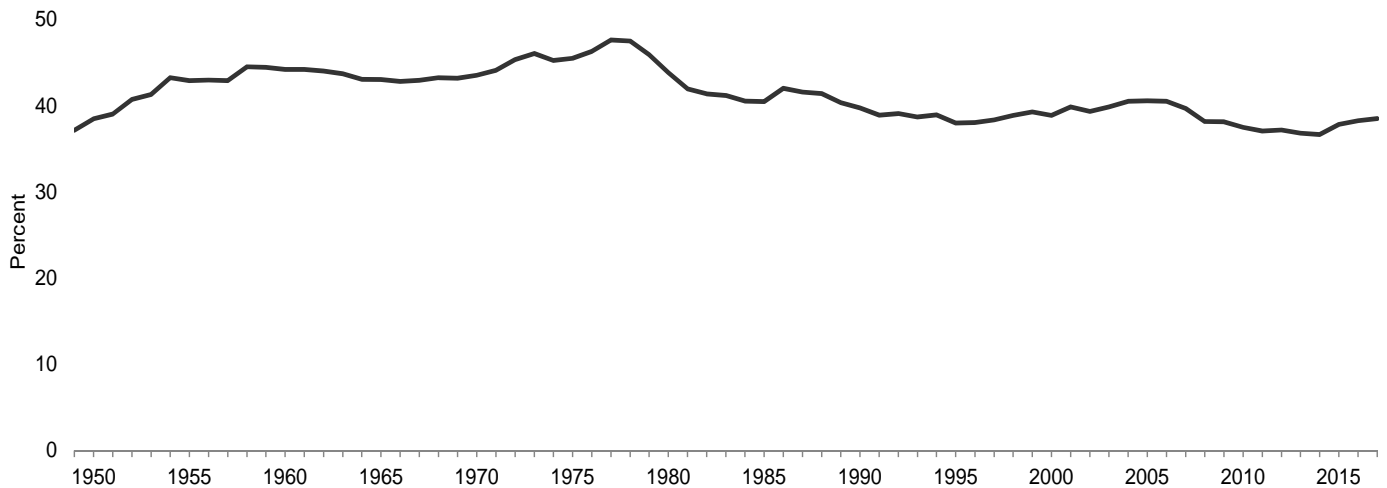
Sources: See end of section.

Figure 3.6 Heat Content of Petroleum Products Supplied by Type

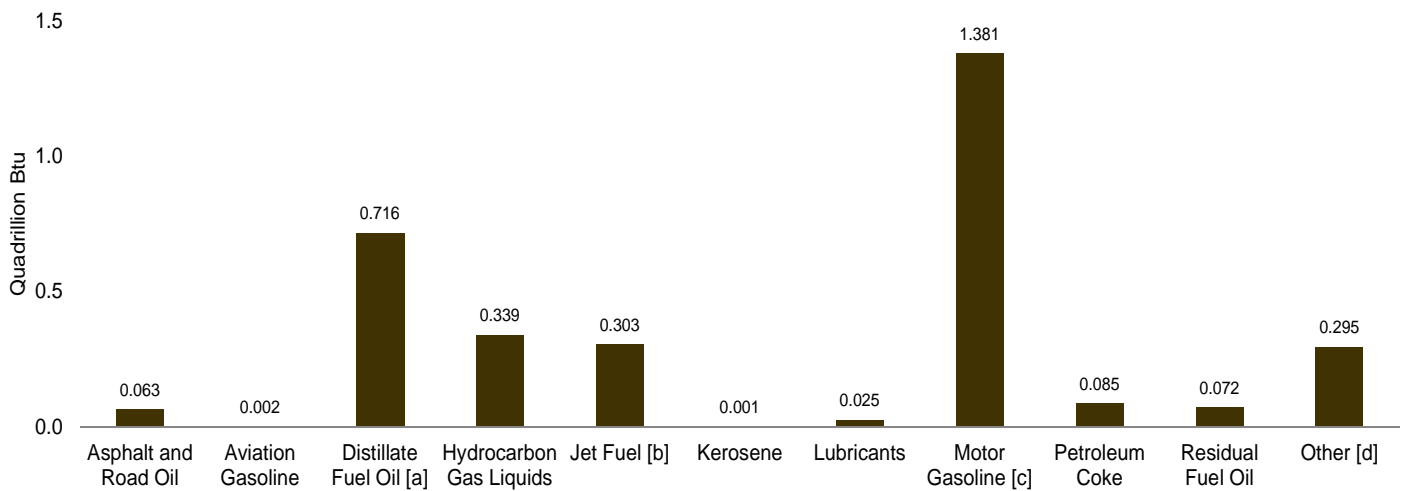
Total, 1949–2017



Petroleum Products Supplied as Share of Total Energy Consumption, 1949–2017



By Product, November 2018



[a] Includes renewable diesel fuel (including biodiesel) blended into distillate fuel oil.

[b] Includes kerosene-type jet fuel only.

[c] Includes fuel ethanol blended into motor gasoline.

[d] All petroleum products not separately displayed.

Web Page: <http://www.eia.gov/totalenergy/data/monthly/#petroleum>.

Sources: Tables 1.1 and 3.6.

Table 3.6 Heat Content of Petroleum Products Supplied by Type
(Trillion Btu)

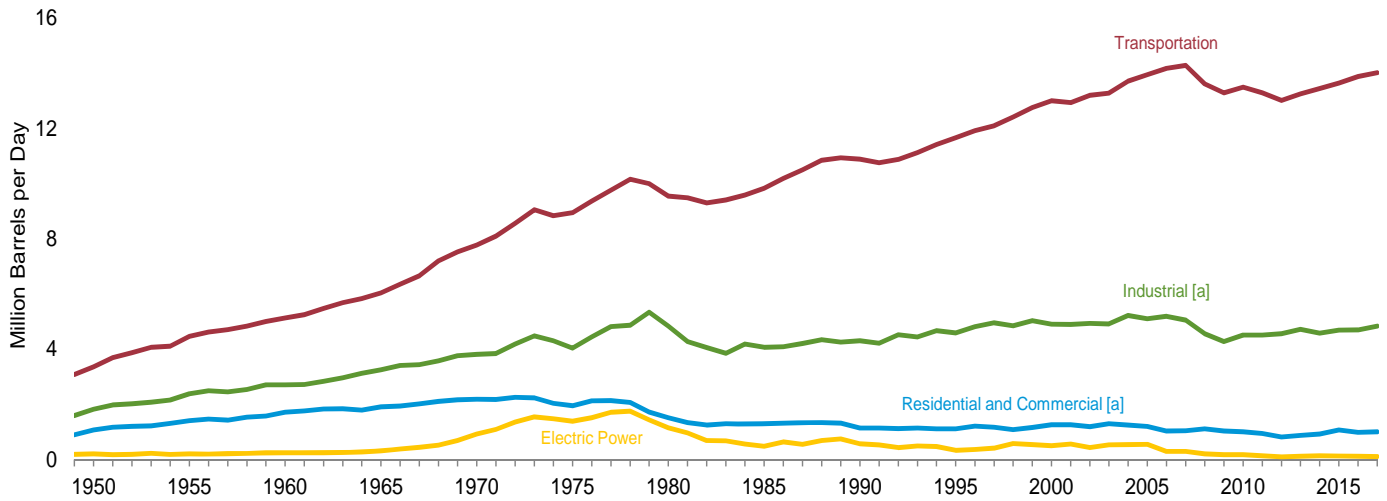
	Asphalt and Road Oil	Aviation Gasoline	Distillate Fuel Oil ^b	HGL ^a		Jet Fuel ^e	Kero-sene	Lubri-cants	Motor Gasoline ^f	Petroleum Coke	Residual Fuel Oil	Other ^g	Total
				Propane ^c	Total ^d								
1950 Total	435	199	2,300	NA	343	(e)	668	236	5,015	90	3,482	546	13,315
1955 Total	615	354	3,385	NA	592	301	662	258	6,640	147	3,502	798	17,255
1960 Total	734	298	3,992	NA	912	739	563	259	7,631	328	3,517	947	19,919
1965 Total	890	222	4,519	NA	1,232	1,215	553	286	8,806	444	3,691	1,390	23,246
1970 Total	1,082	100	5,401	1,095	1,689	1,973	544	301	11,091	465	5,057	1,817	29,521
1975 Total	1,014	71	6,061	1,107	1,845	2,047	329	304	12,798	542	5,649	2,071	32,732
1980 Total	962	64	6,110	1,142	2,180	2,190	329	354	12,648	522	5,772	3,073	34,205
1985 Total	1,029	50	6,098	1,236	2,309	2,497	236	322	13,098	582	2,759	1,945	30,925
1990 Total	1,170	45	6,422	1,284	2,309	3,129	88	362	13,872	745	2,820	2,589	33,552
1995 Total	1,178	40	6,812	1,534	2,849	3,132	112	346	14,794	802	1,955	2,499	34,519
2000 Total	1,276	36	7,927	1,734	3,288	3,580	140	369	16,127	895	2,091	2,636	38,366
2001 Total	1,257	35	8,170	1,598	2,960	3,426	150	338	16,345	961	1,861	2,793	38,296
2002 Total	1,240	34	8,020	1,747	3,076	3,340	90	334	16,790	1,018	1,605	2,816	38,363
2003 Total	1,220	30	8,341	1,701	2,968	3,265	113	309	16,949	1,000	1,772	3,043	39,010
2004 Total	1,304	31	8,642	1,791	3,047	3,383	133	313	17,316	1,148	1,990	3,205	40,511
2005 Total	1,323	35	8,745	1,721	2,878	3,475	144	312	17,358	1,125	2,111	3,122	40,627
2006 Total	1,261	33	8,831	1,701	2,841	3,379	111	303	17,511	1,141	1,581	3,276	40,268
2007 Total	1,197	32	8,858	1,729	2,912	3,358	67	313	17,428	1,072	1,659	3,134	40,029
2008 Total	1,012	28	8,346	1,620	2,727	3,193	30	291	16,799	1,017	1,432	2,788	37,662
2009 Total	873	27	7,661	1,624	2,791	2,883	36	262	16,711	937	1,173	2,483	35,837
2010 Total	878	27	8,014	1,624	2,976	2,963	41	291	16,632	831	1,228	2,645	36,525
2011 Total	859	27	8,217	1,614	2,899	2,950	25	276	16,175	801	1,058	2,621	35,909
2012 Total	827	25	7,903	1,649	2,992	2,901	11	254	16,085	802	849	2,474	35,123
2013 Total	783	22	8,059	1,785	3,267	2,969	11	268	16,332	786	731	2,583	35,812
2014 Total	793	22	8,499	1,634	3,172	3,042	19	280	16,473	772	590	2,430	36,091
2015 Total	832	21	8,411	1,627	3,331	3,204	13	305	16,941	776	595	2,435	36,863
2016 January	40	1	688	187	329	255	(s)	26	1,356	72	60	208	3,035
February	44	2	668	172	288	252	(s)	26	1,352	64	33	235	2,965
March	52	2	706	142	286	272	2	27	1,469	69	70	205	3,159
April	60	2	657	109	254	266	1	24	1,391	54	85	215	3,010
May	81	2	667	115	260	277	1	25	1,476	52	63	199	3,103
June	96	2	666	96	241	293	2	27	1,457	45	64	208	3,100
July	97	2	643	113	264	302	2	22	1,501	61	83	205	3,181
August	108	2	694	113	251	303	(s)	23	1,518	83	62	233	3,277
September	87	2	677	118	260	278	2	23	1,438	52	48	210	3,077
October	86	2	713	123	282	283	3	25	1,425	59	66	217	3,160
November	62	2	681	131	267	278	(s)	22	1,400	89	58	197	3,055
December	40	2	723	166	307	291	4	22	1,455	72	60	222	3,196
Total	853	20	8,183	1,586	3,289	3,350	18	289	17,238	771	751	2,553	37,317
2017 January	38	1	668	197	338	279	4	26	1,333	80	105	209	3,080
February	45	1	635	140	261	241	1	22	1,274	39	49	196	2,766
March	53	2	738	143	301	295	(s)	27	1,461	34	62	237	3,209
April	63	2	651	120	268	280	(s)	23	1,409	54	53	239	3,041
May	75	2	707	105	266	293	1	25	1,496	66	69	226	3,226
June	95	3	686	98	258	300	(s)	22	1,481	51	66	240	3,200
July	91	2	651	111	283	305	(s)	22	1,503	86	56	231	3,229
August	112	2	716	105	244	310	(s)	17	1,528	56	67	221	3,273
September	88	1	678	123	250	277	2	21	1,422	64	57	204	3,064
October	85	1	717	111	288	308	(s)	23	1,466	33	63	224	3,208
November	61	2	719	146	306	287	1	22	1,381	73	74	217	3,143
December	43	2	711	165	340	309	(s)	18	1,448	73	61	224	3,229
Total	849	21	8,276	1,564	3,403	3,481	11	267	17,201	708	784	2,667	37,668
2018 January	42	1	786	203	381	279	7	20	1,369	68	66	227	3,247
February	41	1	640	151	311	254	(s)	18	1,247	35	50	217	2,813
March	48	2	745	157	332	302	(s)	25	1,480	55	43	236	3,269
April	48	2	719	127	296	278	(s)	18	1,393	55	77	192	3,078
May	76	2	764	95	273	300	1	21	1,496	59	61	215	3,268
June	95	2	684	95	274	315	(s)	24	1,485	65	47	222	3,214
July	97	3	708	109	303	312	(s)	24	1,510	64	66	215	3,300
August	104	2	746	113	314	326	(s)	22	1,527	85	61	228	3,417
September	R 77	F 1	R 693	R 116	R 298	R 289	R (s)	R 13	R 1,382	R 77	R 68	R 185	R 3,086
October	F 89	F 1	E 749	E 138	RF 336	E 297	F 1	RF 25	E 1,442	RF 47	E 55	RE 261	E 3,303
November	F 63	F 2	E 716	E 153	F 339	E 303	F 1	F 25	E 1,381	F 85	E 72	E 295	E 3,281
11-Month Total	E 780	E 19	E 7,949	E 1,458	E 3,457	E 3,255	E 11	E 236	E 15,712	E 696	E 666	E 2,493	E 35,274
2017 11-Month Total	806	19	7,565	1,400	3,062	3,173	11	249	15,753	635	723	2,443	34,439
2016 11-Month Total	813	19	7,461	1,420	2,982	3,059	14	268	15,783	699	691	2,331	34,121

^a Hydrocarbon gas liquids.
^b Beginning in 2009, includes renewable diesel fuel (including biodiesel) blended into distillate fuel oil.
^c Propane and propylene. Through 1983, also includes 40% of "Butane-Propane Mixtures" and 30% of "Ethane-Propane Mixtures."
^d Ethane, propane, normal butane, isobutane, natural gasoline (pentanes plus), and refinery olefins (ethylene, propylene, butylene, and isobutylene). Through 1983, also includes plant condensate and unfractionated stream.
^e Beginning in 1957, includes kerosene-type jet fuel. For 1952–2004, also includes naphtha-type jet fuel. (Through 1951, naphtha-type jet fuel is included in the products from which it was blended—gasoline, kerosene, and distillate fuel oil. Beginning in 2005, naphtha-type jet fuel is included in "Other.")
^f Finished motor gasoline. Through 1963, also includes special naphthas. Beginning in 1993, also includes fuel ethanol blended into motor gasoline.
^g Petrochemical feedstocks, still gas (refinery gas), waxes, and miscellaneous products. Beginning in 1964, also includes special naphthas. Beginning in 1981,

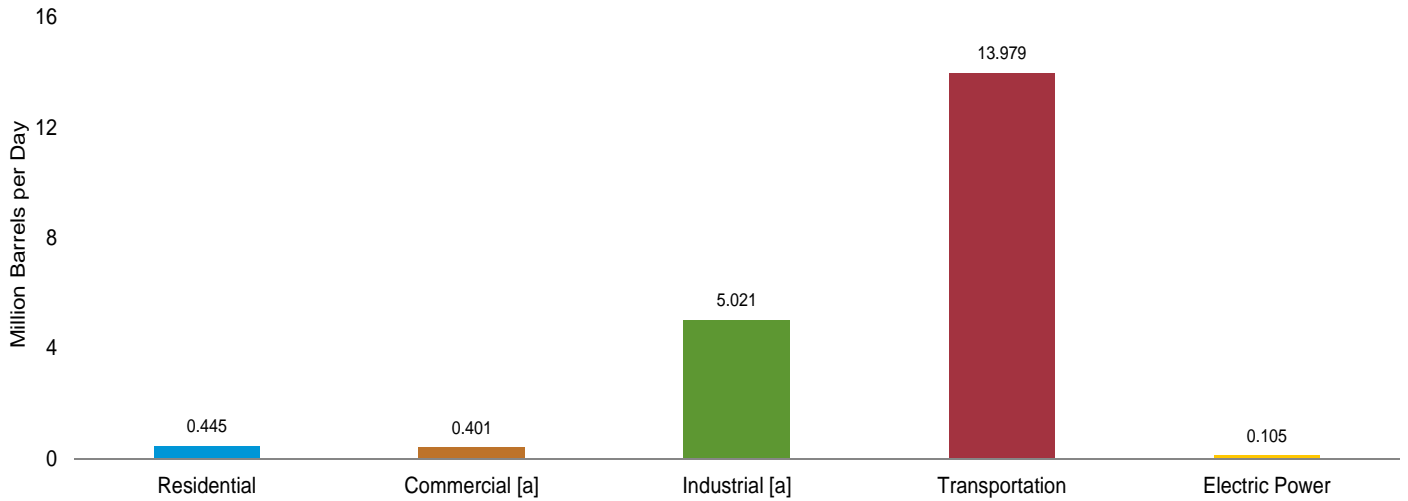
also includes negative barrels per day of distillate and residual fuel oil reclassified as unfinished oils, and other products (from both primary and secondary supply) reclassified as gasoline blending components. Beginning in 1983, also includes crude oil burned as fuel. Beginning in 2005, also includes naphtha-type jet fuel.
R=Revised. E=Estimate. F=Forecast. NA=Not available. (s)=Less than 0.5 trillion Btu and greater than -0.5 trillion Btu.
Notes: • Petroleum products supplied is an approximation of petroleum consumption and is synonymous with the term "petroleum consumption" in Tables 3.7a–3.8c. See Note 1, "Petroleum Products Supplied and Petroleum Consumption," at end of section. • Totals may not equal sum of components due to independent rounding. • Geographic coverage is the 50 states and the District of Columbia.
Web Page: See <http://www.eia.gov/totalenergy/data/monthly/#petroleum> (Excel and CSV files) for all available annual data beginning in 1949 and monthly data beginning in 1973.
Sources: See end of section.

Figure 3.7 Petroleum Consumption by Sector

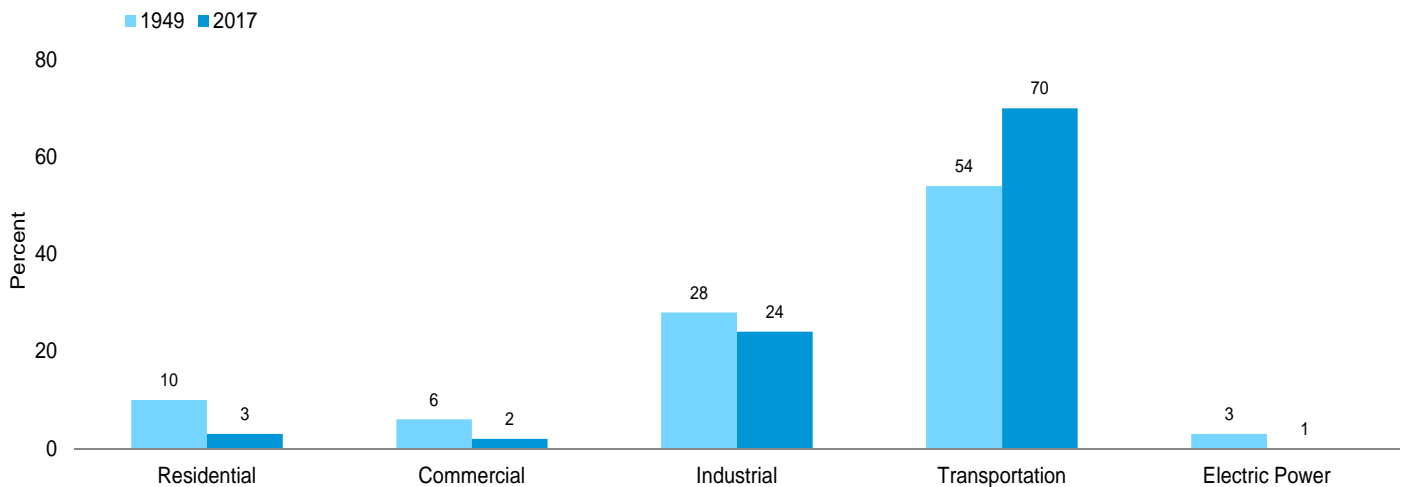
By Sector, 1949–2017



By Sector, September 2018



Sector Shares, 1949 and 2017



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

Web Page: <http://www.eia.gov/totalenergy/data/monthly/#petroleum>.
Sources: Tables 3.7a–3.7c.

Table 3.7a Petroleum Consumption: Residential and Commercial Sectors
(Thousand Barrels per Day)

	Residential Sector				Commercial Sector ^a							
	Distillate Fuel Oil	HGL ^b		Total	Distillate Fuel Oil	HGL ^b		Kero-sene	Motor Gasoline ^{c,d}	Petroleum Coke	Residual Fuel Oil	Total
		Propane	Kero-sene			Propane	Kero-sene					
1950 Average	390	104	168	662	123	28	23	52	NA	185	411	
1955 Average	562	144	179	885	177	38	24	69	NA	209	519	
1960 Average	736	217	171	1,123	232	58	23	35	NA	243	590	
1965 Average	805	275	161	1,242	251	74	26	40	NA	281	672	
1970 Average	883	392	144	1,419	276	102	30	45	NA	311	764	
1975 Average	850	365	78	1,293	276	92	24	46	NA	214	653	
1980 Average	617	222	51	890	243	63	20	56	NA	245	626	
1985 Average	514	224	77	815	297	68	16	50	NA	99	530	
1990 Average	460	252	31	742	252	73	6	58	0	100	489	
1995 Average	426	282	36	743	225	78	11	10	(s)	62	385	
2000 Average	424	395	46	865	230	107	14	23	(s)	40	415	
2001 Average	427	375	46	849	239	102	15	20	(s)	30	406	
2002 Average	404	384	29	817	209	101	8	24	(s)	35	376	
2003 Average	438	389	34	861	233	112	9	32	(s)	48	434	
2004 Average	433	364	41	839	221	108	10	23	(s)	53	416	
2005 Average	402	366	40	809	210	94	10	24	(s)	50	389	
2006 Average	335	318	32	685	189	88	7	26	(s)	33	343	
2007 Average	342	345	21	708	181	87	4	32	(s)	33	337	
2008 Average	354	394	10	758	181	113	2	24	(s)	31	351	
2009 Average	276	391	13	680	187	99	2	28	(s)	31	348	
2010 Average	266	378	14	658	185	100	2	28	(s)	27	343	
2011 Average	248	351	9	608	186	102	2	24	(s)	23	336	
2012 Average	228	281	4	513	168	96	1	21	(s)	14	300	
2013 Average	233	331	4	568	163	108	(s)	22	(s)	11	304	
2014 Average	253	349	7	609	169	114	1	29	(s)	3	318	
2015 Average	262	318	5	584	171	106	1	^d 204	(s)	2	483	
2016 January	306	359	1	666	229	125	(s)	188	(s)	3	546	
February	319	346	2	667	239	121	(s)	200	(s)	3	564	
March	211	316	8	535	158	110	1	204	(s)	2	476	
April	192	291	3	485	144	101	(s)	199	(s)	2	447	
May	168	292	6	466	126	102	1	205	0	2	435	
June	119	269	8	396	89	94	1	209	(s)	1	394	
July	122	290	8	421	92	101	1	208	(s)	1	404	
August	95	280	1	376	71	98	(s)	211	0	1	381	
September	150	293	10	453	112	102	2	206	0	1	423	
October	204	301	14	520	153	105	2	198	0	2	460	
November	228	303	2	532	171	106	(s)	201	(s)	2	480	
December	358	329	16	703	268	115	2	202	(s)	3	591	
Average	206	306	7	518	154	107	1	203	(s)	2	467	
2017 January	338	367	18	722	253	128	3	185	(s)	3	573	
February	278	318	7	602	209	111	1	196	(s)	3	519	
March	236	325	2	563	177	113	(s)	203	(s)	2	496	
April	195	300	2	497	146	105	(s)	202	(s)	2	455	
May	135	290	2	427	101	101	(s)	208	(s)	1	412	
June	168	304	1	473	126	106	(s)	212	(s)	2	446	
July	103	312	(s)	415	77	109	(s)	209	(s)	1	396	
August	134	268	1	403	101	93	(s)	212	(s)	1	408	
September	135	278	11	424	101	97	2	204	(s)	1	405	
October	171	297	1	468	128	104	(s)	203	(s)	2	437	
November	264	346	2	612	198	121	(s)	198	(s)	3	520	
December	356	370	1	727	267	129	(s)	201	(s)	4	602	
Average	209	315	4	527	157	110	1	203	(s)	2	472	
2018 January	434	415	30	880	326	145	5	190	(s)	4	670	
February	309	373	1	684	232	130	(s)	192	(s)	3	558	
March	232	369	(s)	601	174	129	(s)	205	(s)	2	511	
April	222	340	1	563	166	119	(s)	200	(s)	2	487	
May	131	302	6	439	98	105	1	208	0	1	414	
June	105	314	1	420	79	110	(s)	213	0	1	403	
July	95	330	(s)	426	72	115	(s)	210	0	1	397	
August	81	336	(s)	418	61	117	(s)	212	0	1	391	
September	115	330	(s)	445	86	115	(s)	198	(s)	1	401	
9-Month Average	191	346	5	541	143	121	1	203	(s)	2	470	
2017 9-Month Average	191	307	5	502	143	107	1	203	(s)	2	456	
2016 9-Month Average	186	304	5	495	140	106	1	203	(s)	2	452	

^a Commercial sector fuel use, including that at commercial combined-heat-and-power (CHP) and commercial electricity-only plants.

^b Hydrocarbon gas liquids.

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

^d There is a discontinuity in this time series between 2014 and 2015 due to a change in the method for allocating motor gasoline consumption to the end-use sectors. Beginning in 2015, the commercial and industrial sector shares of motor gasoline consumption are larger than in 2014, while the transportation sector share is smaller.

NA=Not available. (s)=Less than 500 barrels per day and greater than -500 barrels per day.

Notes: • Data are estimates. • For total petroleum consumption by all sectors, see petroleum products supplied data in Table 3.5. Petroleum products supplied is an approximation of petroleum consumption and is synonymous with the term "petroleum consumption" in Tables 3.7a–3.8c. See Note 1, "Petroleum Products Supplied and Petroleum Consumption," at end of section. • Totals may not equal sum of components due to independent rounding. • Geographic coverage is the 50 states and the District of Columbia.

Web Page: See <http://www.eia.gov/totalenergy/data/monthly/#petroleum> (Excel and CSV files) for all available annual data beginning in 1949 and monthly data beginning in 1973.

Sources: See end of section.

Table 3.7b Petroleum Consumption: Industrial Sector
(Thousand Barrels per Day)

	Industrial Sector ^a										
	Asphalt and Road Oil	Distillate Fuel Oil	HGL ^b		Kerosene	Lubricants	Motor Gasoline ^{e,f}	Petroleum Coke	Residual Fuel Oil	Other ^g	Total
			Propane ^c	Total ^d							
1950 Average	180	328	NA	100	132	43	131	41	617	250	1,822
1955 Average	254	466	NA	212	116	47	173	67	686	366	2,387
1960 Average	302	476	NA	333	78	48	198	149	689	435	2,708
1965 Average	368	541	NA	470	80	62	179	202	689	657	3,247
1970 Average	447	577	256	699	89	70	150	203	708	866	3,808
1975 Average	419	630	302	863	58	68	116	246	658	982	4,038
1980 Average	396	621	516	1,293	87	82	82	234	586	1,460	4,842
1985 Average	425	526	569	1,408	21	75	114	261	326	909	4,065
1990 Average	483	541	576	1,364	6	84	97	325	179	1,225	4,304
1995 Average	486	532	723	1,727	7	80	105	328	147	1,180	4,594
2000 Average	525	563	724	1,923	8	86	79	361	105	1,255	4,903
2001 Average	519	611	654	1,713	11	79	155	390	89	1,325	4,892
2002 Average	512	566	754	1,801	7	78	163	383	83	1,342	4,934
2003 Average	503	551	701	1,691	12	72	171	375	96	1,448	4,918
2004 Average	537	570	790	1,778	14	73	195	423	108	1,525	5,222
2005 Average	546	594	749	1,666	19	72	187	404	123	1,489	5,100
2006 Average	521	594	789	1,710	14	71	198	425	104	1,557	5,193
2007 Average	494	595	787	1,744	6	73	161	412	84	1,487	5,056
2008 Average	417	637	619	1,510	2	67	131	394	84	1,317	4,559
2009 Average	360	509	650	1,617	2	61	128	363	57	1,175	4,272
2010 Average	362	547	675	1,781	4	61	140	310	52	1,251	4,509
2011 Average	355	586	693	1,781	2	58	138	295	59	1,240	4,513
2012 Average	340	602	790	1,912	1	53	136	319	30	1,165	4,559
2013 Average	323	601	830	2,056	1	57	142	295	21	1,227	4,722
2014 Average	327	648	697	1,972	1	59	114	290	18	1,151	4,581
2015 Average	343	555	732	2,121	1	64	^f 140	295	15	1,153	4,687
2016 January	195	631	1,082	2,466	(s)	63	132	326	22	1,126	4,961
February	230	685	1,068	2,323	(s)	69	140	305	13	1,362	5,128
March	254	663	760	2,180	1	67	142	306	26	1,107	4,747
April	301	506	552	2,004	(s)	61	139	231	33	1,205	4,480
May	394	444	565	1,982	1	62	143	218	22	1,075	4,342
June	482	508	461	1,900	1	68	146	185	23	1,159	4,473
July	472	331	554	2,023	1	53	146	259	28	1,103	4,418
August	524	517	566	1,924	(s)	58	147	371	21	1,261	4,822
September	439	572	628	2,028	2	58	144	223	17	1,171	4,654
October	417	569	624	2,143	2	61	138	272	24	1,175	4,803
November	310	596	727	2,104	(s)	56	140	436	21	1,101	4,765
December	195	557	945	2,323	3	54	141	329	21	1,201	4,824
Average	351	548	710	2,117	1	61	142	289	23	1,170	4,700
2017 January	183	518	1,150	2,546	3	63	129	360	39	1,133	4,974
February	242	629	870	2,220	1	60	137	180	19	1,180	4,668
March	260	723	760	2,284	(s)	67	142	139	23	1,288	4,926
April	316	461	634	2,113	(s)	60	141	265	20	1,338	4,715
May	367	591	482	2,054	(s)	61	145	293	25	1,227	4,764
June	475	502	433	2,062	(s)	56	149	221	25	1,345	4,834
July	443	358	508	2,160	(s)	54	146	397	20	1,251	4,829
August	543	531	515	1,882	(s)	43	148	247	24	1,195	4,613
September	444	572	690	1,966	2	53	143	301	22	1,137	4,639
October	411	597	526	2,207	(s)	57	142	138	23	1,214	4,790
November	308	672	798	2,427	(s)	57	138	347	31	1,219	5,200
December	209	488	877	2,609	(s)	44	141	337	24	1,214	5,066
Average	351	553	686	2,211	1	56	142	269	25	1,228	4,836
2018 January	204	728	1,136	2,881	5	49	133	303	24	1,232	5,559
February	219	616	892	2,607	(s)	49	134	153	20	1,306	5,104
March	233	756	815	2,563	(s)	63	144	249	16	1,280	5,303
April	242	665	634	2,363	(s)	46	140	260	30	1,072	4,817
May	370	784	384	2,129	1	52	145	287	23	1,159	4,949
June	475	560	398	2,201	(s)	62	149	305	20	1,240	5,012
July	471	554	466	2,353	(s)	59	147	282	24	1,157	5,048
August	508	686	491	2,428	(s)	56	148	397	23	1,234	5,478
September	388	644	559	2,389	(s)	34	139	369	26	1,032	5,021
9-Month Average	347	667	640	2,434	1	52	142	291	23	1,190	5,146
2017 9-Month Average	364	542	670	2,143	1	57	142	268	24	1,233	4,775
2016 9-Month Average	366	539	692	2,092	1	62	142	270	23	1,173	4,667

^a Industrial sector fuel use, including that at industrial combined-heat-and-power (CHP) and industrial electricity-only plants.

^b Hydrocarbon gas liquids.

^c Propane and propylene. Through 1983, also includes 40% of "Butane-Propane Mixtures" and 30% of "Ethane-Propane Mixtures."

^d Ethane, propane, normal butane, isobutane, natural gasoline (pentanes plus), and refinery olefins (ethylene, propylene, butylene, and isobutylene). Through 1983, also includes plant condensate and unfractionated stream.

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

^f There is a discontinuity in this time series between 2014 and 2015 due to a change in the method for allocating motor gasoline consumption to the end-use sectors. Beginning in 2015, the commercial and industrial sector shares of motor gasoline consumption are larger than in 2014, while the transportation sector share is smaller.

^g 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.

NA=Not available. (s)=Less than 500 barrels per day and greater than -500 barrels per day.

Notes: • Data are estimates. • For total petroleum consumption by all sectors, see petroleum products supplied data in Table 3.5. Petroleum products supplied is an approximation of petroleum consumption and is synonymous with the term "petroleum consumption" in Tables 3.7a-3.8c. See Note 1, "Petroleum Products Supplied and Petroleum Consumption," at end of section. • Totals may not equal sum of components due to independent rounding. • Geographic coverage is the 50 states and the District of Columbia.

Web Page: See <http://www.eia.gov/totalenergy/data/monthly/#petroleum> (Excel and CSV files) for all available annual data beginning in 1949 and monthly data beginning in 1973.

Sources: See end of section.

Table 3.7c Petroleum Consumption: Transportation and Electric Power Sectors
(Thousand Barrels per Day)

	Transportation Sector								Electric Power Sector ^a				
	Aviation Gasoline	Distillate Fuel Oil ^c	HGL ^b		Jet Fuel ^e	Lubri-cants	Motor Gasoline ^{f,g}	Residual Fuel Oil	Total	Distillate Fuel Oil ^h	Petroleum Coke	Residual Fuel Oil ⁱ	Total
			Propane ^d										
1950 Average	108	226	2	(^e)	64	2,433	524	3,356	15	NA	192	207	
1955 Average	192	372	9	154	70	3,221	440	4,458	15	NA	191	206	
1960 Average	161	418	13	371	68	3,736	367	5,135	10	NA	231	241	
1965 Average	120	514	23	602	67	4,374	336	6,036	14	NA	302	316	
1970 Average	55	738	32	967	66	5,589	332	7,778	66	9	853	928	
1975 Average	39	998	31	992	70	6,512	310	8,951	107	1	1,280	1,388	
1980 Average	35	1,311	13	1,062	77	6,441	608	9,546	79	2	1,069	1,151	
1985 Average	27	1,491	21	1,218	71	6,667	342	9,838	40	3	435	478	
1990 Average	24	1,722	16	1,522	80	7,080	443	10,888	45	14	507	566	
1995 Average	21	1,973	13	1,514	76	7,674	397	11,668	51	37	247	334	
2000 Average	20	2,422	8	1,725	81	8,370	386	13,012	82	45	378	505	
2001 Average	19	2,489	10	1,655	74	8,435	255	12,938	80	47	437	564	
2002 Average	18	2,536	10	1,614	73	8,662	295	13,208	60	80	287	427	
2003 Average	16	2,629	13	1,578	68	8,733	249	13,286	76	79	379	534	
2004 Average	17	2,783	14	1,630	69	8,887	321	13,720	52	101	382	535	
2005 Average	19	2,858	20	1,679	68	8,948	365	13,957	54	111	382	547	
2006 Average	18	3,017	20	1,633	67	9,029	395	14,178	35	97	157	289	
2007 Average	17	3,037	16	1,622	69	9,093	433	14,287	42	78	173	293	
2008 Average	15	2,738	29	1,539	64	8,834	402	13,621	34	70	104	209	
2009 Average	14	2,626	20	1,393	57	8,841	344	13,297	33	63	79	175	
2010 Average	15	2,764	^d 6	1,432	70	8,824	389	13,500	38	65	67	170	
2011 Average	15	2,849	7	1,425	67	8,591	338	13,292	30	66	41	137	
2012 Average	14	2,719	7	1,398	61	8,525	291	13,015	25	41	33	99	
2013 Average	12	2,804	7	1,434	65	8,679	253	13,255	26	59	34	119	
2014 Average	12	2,928	7	1,470	67	8,778	195	13,456	39	57	41	137	
2015 Average	11	2,974	7	1,548	74	^g 8,835	202	13,651	33	54	41	128	
2016 January	7	2,645	8	1,449	72	8,334	248	12,763	40	53	34	127	
February	11	2,721	8	1,534	79	8,881	128	13,361	31	55	39	126	
March	10	2,892	7	1,547	76	9,027	311	13,869	22	58	22	102	
April	14	2,936	7	1,566	70	8,837	392	13,821	21	63	23	107	
May	11	2,968	7	1,578	70	9,069	275	13,978	26	57	24	107	
June	12	3,113	6	1,723	78	9,253	285	14,469	23	61	29	114	
July	12	3,027	7	1,720	61	9,224	351	14,402	26	63	43	132	
August	14	3,172	6	1,722	66	9,329	254	14,564	24	66	41	131	
September	11	3,057	7	1,635	67	9,133	205	14,115	21	62	29	111	
October	10	3,039	7	1,610	70	8,757	284	13,777	20	39	30	89	
November	12	2,916	7	1,632	64	8,892	258	13,781	27	49	25	101	
December	10	2,830	7	1,653	61	8,940	252	13,754	30	53	29	112	
Average	11	2,944	7	1,614	70	8,973	271	13,889	26	57	31	113	
2017 January	9	2,597	8	1,588	72	8,192	470	12,938	30	58	28	116	
February	9	2,794	7	1,517	68	8,675	231	13,301	25	49	26	99	
March	10	2,965	7	1,676	76	8,981	270	13,985	26	41	24	91	
April	11	2,939	7	1,644	68	8,952	236	13,856	21	27	24	72	
May	12	3,102	7	1,669	70	9,197	304	14,360	25	52	26	104	
June	17	3,145	7	1,762	64	9,411	293	14,698	23	57	30	110	
July	13	3,082	7	1,734	62	9,241	239	14,377	22	54	26	101	
August	14	3,218	6	1,762	49	9,392	291	14,731	20	47	30	97	
September	10	3,091	6	1,627	61	9,031	251	14,078	22	45	27	95	
October	9	3,093	7	1,751	66	9,012	271	14,208	23	36	27	86	
November	11	3,000	8	1,685	65	8,774	337	13,880	24	47	24	96	
December	12	2,814	8	1,756	50	8,905	236	13,782	50	46	51	147	
Average	11	2,988	7	1,682	64	8,982	286	14,021	26	47	29	101	
2018 January	10	2,740	9	1,586	56	8,419	205	13,025	166	56	106	328	
February	7	2,785	8	1,599	56	8,491	235	13,181	20	49	24	93	
March	13	2,987	8	1,718	71	9,097	183	14,077	20	39	21	80	
April	13	3,078	8	1,634	53	8,848	353	13,987	23	40	24	87	
May	12	3,233	7	1,707	59	9,197	262	14,477	26	25	26	78	
June	15	3,184	7	1,854	71	9,436	199	14,766	26	49	30	105	
July	16	3,215	7	1,772	68	9,284	284	14,647	21	54	28	103	
August	14	3,324	8	1,856	64	9,388	259	14,912	22	52	29	103	
September	9	3,141	7	1,700	39	8,781	301	13,979	20	51	33	105	
9-Month Average	12	3,079	8	1,715	60	8,999	253	14,126	39	46	36	121	
2017 9-Month Average	12	2,994	7	1,666	66	9,010	288	14,042	24	48	27	98	
2016 9-Month Average	11	2,949	7	1,608	71	9,010	273	13,929	26	60	32	117	

^a 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.

^b Hydrocarbon gas liquids.
^c Beginning in 2009, includes renewable diesel fuel (including biodiesel) blended into distillate fuel oil.

^d There is a discontinuity in this time series between 2009 and 2010 due to a change in data sources.

^e Beginning in 1957, includes kerosene-type jet fuel. For 1952–2004, also includes naphtha-type jet fuel. (Through 1951, naphtha-type jet fuel is included in the products from which it was blended—gasoline, kerosene, and distillate fuel oil. Beginning in 2005, naphtha-type jet fuel is included in "Other" on Table 3.7b.)

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

^g There is a discontinuity in this time series between 2014 and 2015 due to a change in the method for allocating motor gasoline consumption to the end-use sectors. Beginning in 2015, the commercial and industrial sector shares of motor gasoline consumption are larger than in 2014, while the transportation sector share is smaller.

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

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

NA=Not available.

Notes: • Transportation sector data are estimates. • For total petroleum consumption by all sectors, see petroleum products supplied data in Table 3.5. Petroleum products supplied is an approximation of petroleum consumption and is synonymous with the term "petroleum consumption" in Tables 3.7a–3.8c. Other measurements of consumption by fuel type or sector may differ. For example, jet fuel product supplied may not equal jet fuel consumed by U.S.-flagged aircraft. See Note 1, "Petroleum Products Supplied and Petroleum Consumption," at end of section. • Totals may not equal sum of components due to independent rounding.

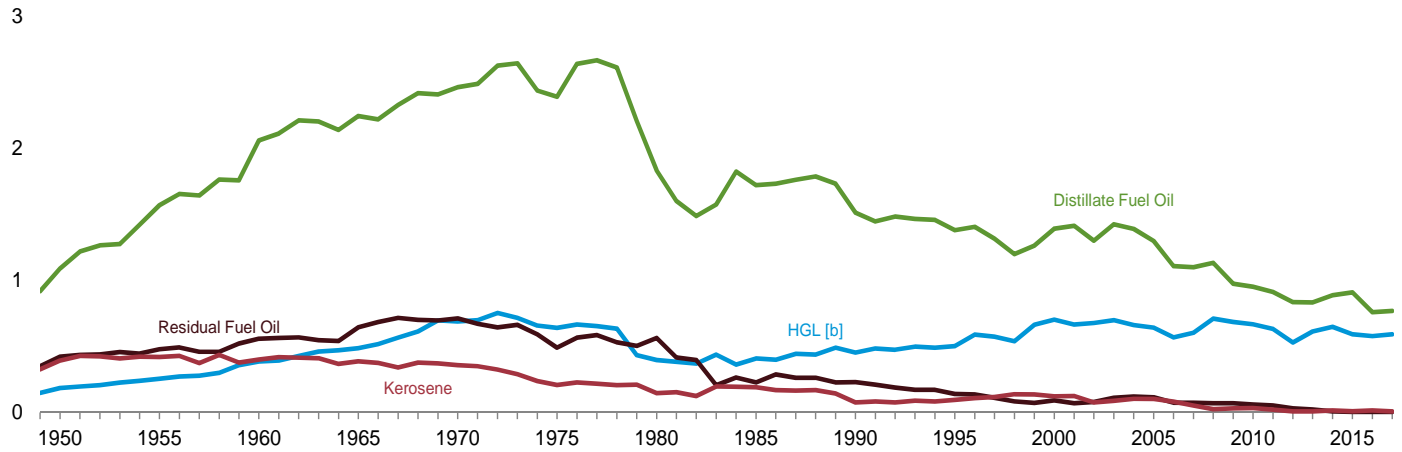
• Geographic coverage is the 50 states and the District of Columbia.
Web Page: See <http://www.eia.gov/totalenergy/data/monthly/#petroleum> (Excel and CSV files) for all available annual data beginning in 1949 and monthly data beginning in 1973.

Sources: See end of section.

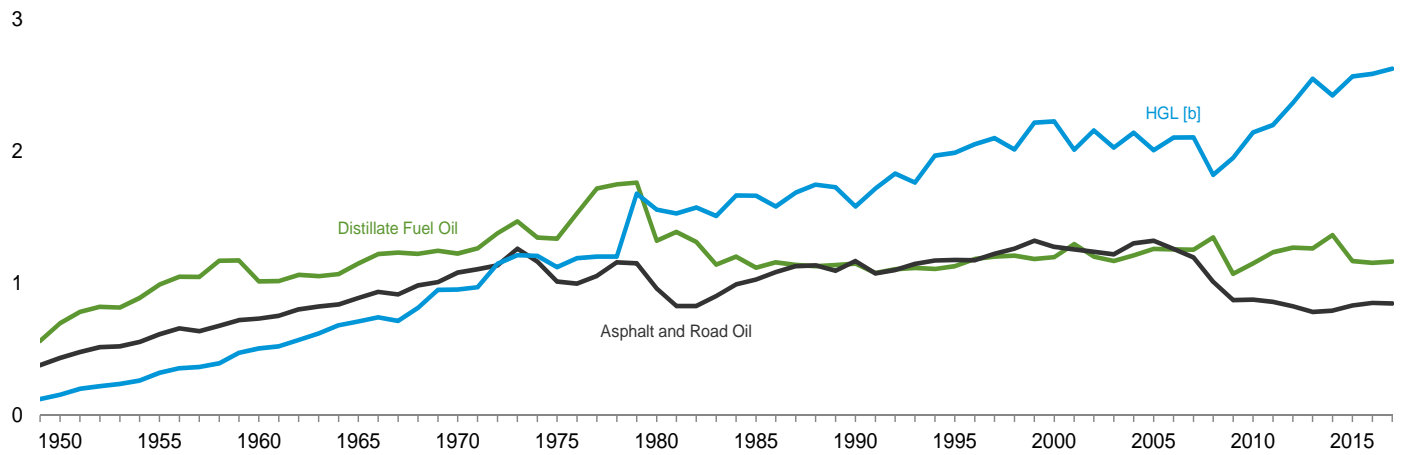
Figure 3.8a Heat Content of Petroleum Consumption by End-Use Sector, 1949-2017

(Quadrillion Btu)

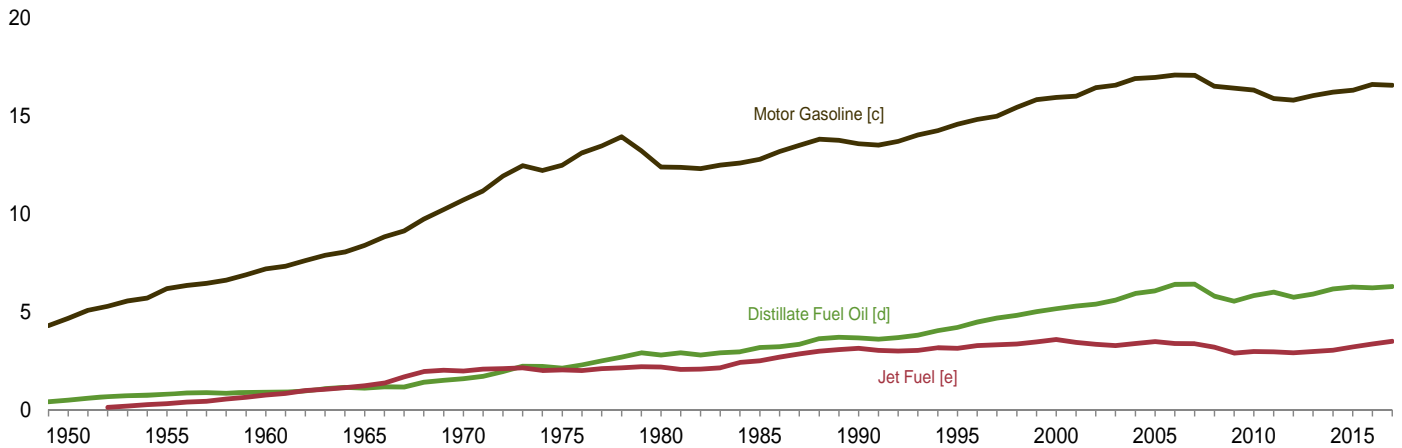
Residential and Commercial [a] Sectors, Selected Products



Industrial [a] Sector, Selected Products



Transportation Sector, Selected Products



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

[b] Hydrocarbon gas liquids.

[c] Beginning in 1993, includes fuel ethanol blended into motor gasoline.

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

[e] Beginning in 2005, includes kerosene-type jet fuel only.

Note: Petroleum products supplied is an approximation of petroleum consumption and is synonymous with the term “petroleum consumption” in Tables 3.7a–3.8c. Other measurements of consumption by fuel type or sector may differ. For example, jet fuel product supplied may not equal jet fuel consumed by U.S.-flagged aircraft.

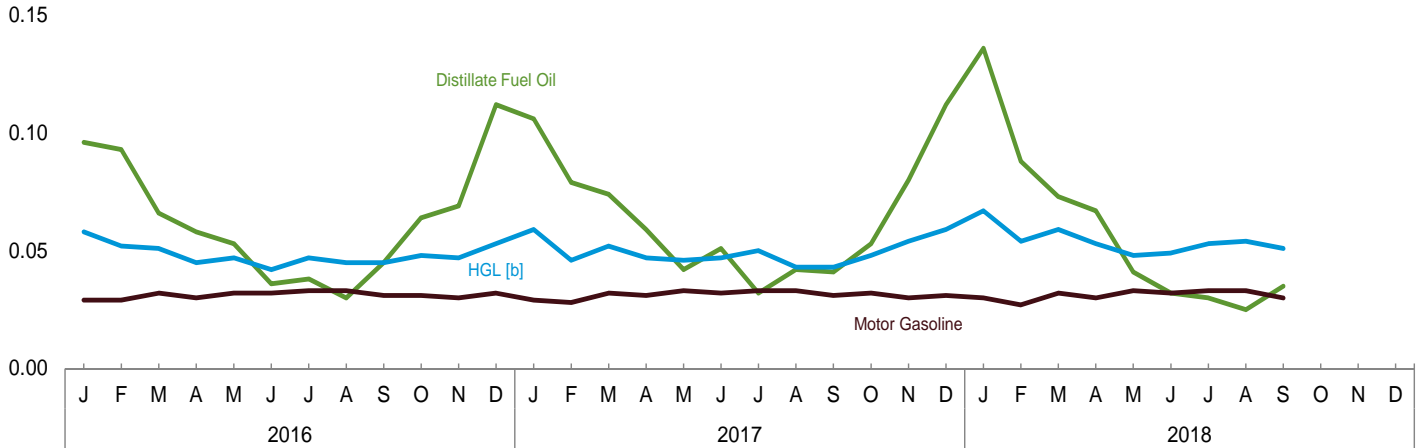
Web Page: <http://www.eia.gov/totalenergy/data/monthly/#petroleum>.

Sources: Tables 3.8a–3.8c.

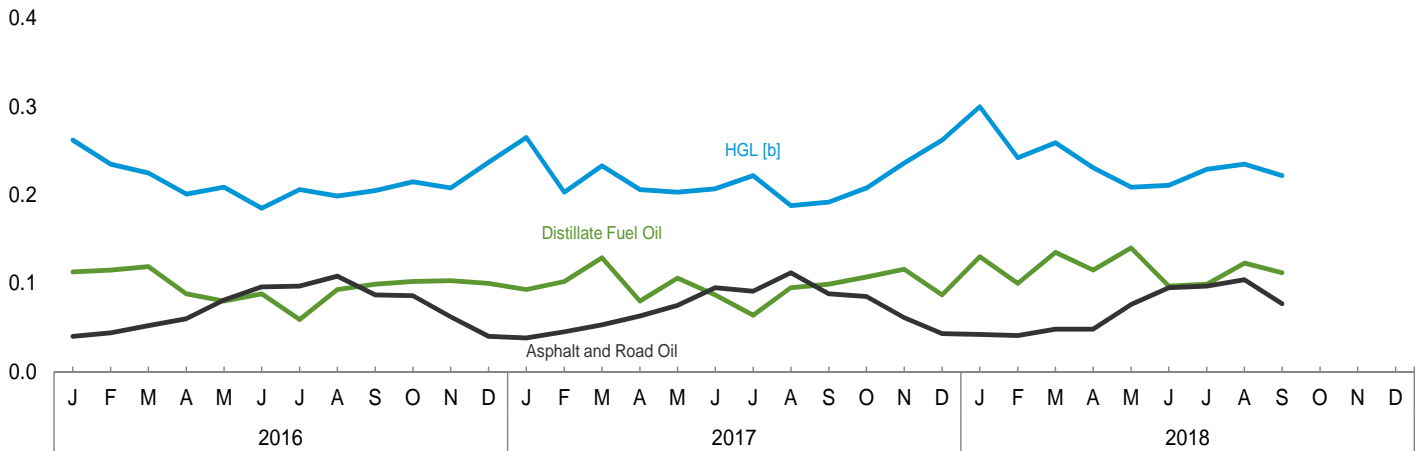
Figure 3.8b Heat Content of Petroleum Consumption by End-Use Sector, Monthly

(Quadrillion Btu)

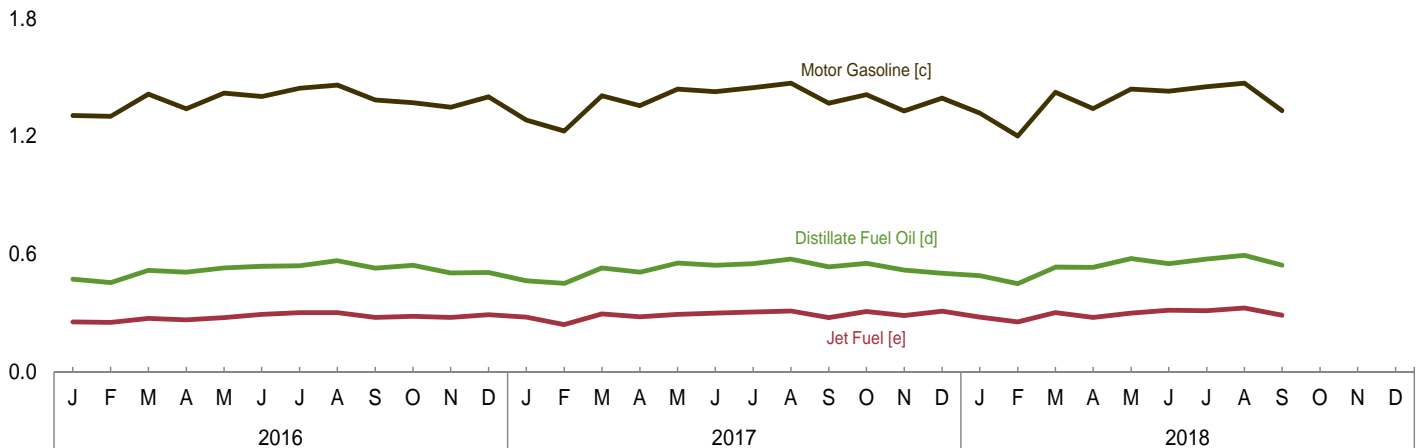
Residential and Commercial [a] Sectors, Selected Products



Industrial [a] Sector, Selected Products



Transportation Sector, Selected Products



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

[b] Hydrocarbon gas liquids.

[c] Includes fuel ethanol blended into motor gasoline.

[d] Includes renewable diesel fuel (including biodiesel) blended into distillate fuel oil.

[e] Includes kerosene-type jet fuel only.

Note: Petroleum products supplied is an approximation of petroleum consumption and is synonymous with the term “petroleum consumption” in Tables 3.7a–3.8c. Other measurements of consumption by fuel type or sector may differ. For example, jet fuel product supplied may not equal jet fuel consumed by U.S.-flagged aircraft.

Web Page: <http://www.eia.gov/totalenergy/data/monthly/#petroleum>.

Sources: Tables 3.8a–3.8c.

Table 3.8a Heat Content of Petroleum Consumption: Residential and Commercial Sectors
(Trillion Btu)

	Residential Sector				Commercial Sector ^a						
	Distillate Fuel Oil	HGL ^b	Kero-sene	Total	Distillate Fuel Oil	HGL ^b	Kero-sene	Motor Gasoline ^{c,d}	Petroleum Coke	Residual Fuel Oil	Total
		Propane				Propane					
1950 Total	829	146	347	1,322	262	39	47	100	NA	424	872
1955 Total	1,194	202	371	1,767	377	54	51	133	NA	480	1,095
1960 Total	1,568	305	354	2,227	494	81	48	67	NA	559	1,248
1965 Total	1,713	385	334	2,432	534	103	54	77	NA	645	1,413
1970 Total	1,878	549	298	2,725	587	143	61	86	NA	714	1,592
1975 Total	1,807	512	161	2,479	587	129	49	89	NA	492	1,346
1980 Total	1,316	311	107	1,734	518	88	41	107	NA	565	1,318
1985 Total	1,092	314	159	1,565	631	95	33	96	NA	228	1,083
1990 Total	978	352	64	1,394	536	102	12	111	0	230	991
1995 Total	904	395	74	1,373	478	109	22	18	(s)	141	769
2000 Total	904	555	95	1,553	490	150	30	44	(s)	92	807
2001 Total	907	526	95	1,528	508	143	31	37	(s)	70	789
2002 Total	859	537	60	1,456	444	141	16	45	(s)	80	725
2003 Total	931	544	70	1,546	496	157	19	60	(s)	111	842
2004 Total	923	512	85	1,519	470	152	20	45	(s)	122	810
2005 Total	853	513	84	1,450	447	131	22	46	(s)	116	762
2006 Total	709	446	66	1,221	400	123	15	48	(s)	75	662
2007 Total	721	484	44	1,249	381	121	9	60	(s)	75	648
2008 Total	750	553	21	1,324	384	158	4	45	(s)	71	662
2009 Total	582	547	28	1,157	395	139	4	52	(s)	71	662
2010 Total	562	529	29	1,120	391	140	5	52	(s)	62	650
2011 Total	523	492	19	1,033	391	142	3	44	(s)	54	635
2012 Total	482	395	8	885	355	135	1	39	(s)	31	562
2013 Total	491	463	8	963	344	151	1	40	(s)	24	561
2014 Total	533	489	14	1,036	357	160	2	54	1	8	581
2015 Total	551	445	10	1,007	360	148	1	^d 376	1	4	890
2016 January	55	43	(s)	98	41	15	(s)	29	(s)	1	86
February	53	39	(s)	92	40	13	(s)	29	(s)	1	84
March	38	38	1	77	28	13	(s)	32	(s)	(s)	74
April	33	33	(s)	67	25	12	(s)	30	(s)	(s)	67
May	30	35	1	66	23	12	(s)	32	0	(s)	67
June	21	31	1	53	15	11	(s)	32	(s)	(s)	58
July	22	35	1	58	16	12	(s)	33	(s)	(s)	62
August	17	33	(s)	50	13	12	(s)	33	0	(s)	58
September	26	34	2	61	19	12	(s)	31	0	(s)	63
October	37	36	3	75	27	13	(s)	31	0	(s)	72
November	39	35	(s)	75	30	12	(s)	30	(s)	(s)	73
December	64	39	3	106	48	14	(s)	32	(s)	1	94
Total	435	429	14	878	326	150	2	375	(s)	4	857
2017 January	60	44	3	107	45	15	(s)	29	(s)	1	91
February	45	34	1	80	34	12	(s)	28	(s)	1	74
March	42	39	(s)	81	32	13	(s)	32	(s)	(s)	78
April	34	34	(s)	69	25	12	(s)	31	(s)	(s)	68
May	24	34	(s)	59	18	12	(s)	33	(s)	(s)	63
June	29	35	(s)	64	22	12	(s)	32	(s)	(s)	67
July	18	37	(s)	56	14	13	(s)	33	(s)	(s)	60
August	24	32	(s)	56	18	11	(s)	33	(s)	(s)	63
September	23	32	2	57	18	11	(s)	31	(s)	(s)	60
October	31	35	(s)	66	23	12	(s)	32	(s)	(s)	67
November	46	40	(s)	86	34	14	(s)	30	(s)	1	79
December	64	44	(s)	108	48	15	(s)	31	(s)	1	95
Total	440	440	8	889	330	154	1	374	(s)	5	865
2018 January	78	49	5	132	58	17	1	30	(s)	1	107
February	50	40	(s)	90	38	14	(s)	27	(s)	1	79
March	42	44	(s)	85	31	15	(s)	32	(s)	(s)	79
April	38	39	(s)	78	29	14	(s)	30	(s)	(s)	73
May	23	36	1	60	18	13	(s)	33	0	(s)	63
June	18	36	(s)	54	14	13	(s)	32	0	(s)	59
July	17	39	(s)	56	13	14	(s)	33	0	(s)	60
August	14	40	(s)	55	11	14	(s)	33	0	(s)	58
September	20	38	(s)	58	15	13	(s)	30	(s)	(s)	59
9-Month Total	301	362	7	670	226	126	1	280	(s)	3	637
2017 9-Month Total	300	321	7	629	225	112	1	281	(s)	3	623
2016 9-Month Total	295	319	8	622	221	111	1	282	(s)	3	619

^a Commercial sector fuel use, including that at commercial combined-heat-and-power (CHP) and commercial electricity-only plants.

^b Hydrocarbon gas liquids.

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

^d There is a discontinuity in this time series between 2014 and 2015 due to a change in the method for allocating motor gasoline consumption to the end-use sectors. Beginning in 2015, the commercial and industrial sector shares of motor gasoline consumption are larger than in 2014, while the transportation sector share is smaller.

NA=Not available. (s)=Less than 0.5 trillion Btu and greater 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 3.6. Petroleum products supplied is an approximation of petroleum consumption and is synonymous with the term "petroleum consumption" in Tables 3.7a-3.8c. See Note 1, "Petroleum Products Supplied and Petroleum Consumption," at end of section. • Totals may not equal sum of components due to independent rounding. • Geographic coverage is the 50 states and the District of Columbia.

Web Page: See <http://www.eia.gov/totalenergy/data/monthly/#petroleum> (Excel and CSV files) for all available annual data beginning in 1949 and monthly data beginning in 1973.

Sources: See end of section.

Table 3.8b Heat Content of Petroleum Consumption: Industrial Sector
(Trillion Btu)

	Industrial Sector ^a										
	Asphalt and Road Oil	Distillate Fuel Oil	HGL ^b		Kerosene	Lubricants	Motor Gasoline ^{e,f}	Petroleum Coke	Residual Fuel Oil	Other ^g	Total
			Propane ^c	Total ^d							
1950 Total	435	698	NA	156	274	94	251	90	1,416	546	3,960
1955 Total	615	991	NA	323	241	103	332	147	1,573	798	5,123
1960 Total	734	1,016	NA	507	161	107	381	328	1,584	947	5,766
1965 Total	890	1,150	NA	712	165	137	342	444	1,582	1,390	6,813
1970 Total	1,082	1,226	359	953	185	155	288	446	1,624	1,817	7,776
1975 Total	1,014	1,339	422	1,161	119	149	223	540	1,509	2,071	8,127
1980 Total	962	1,324	725	1,763	181	182	158	516	1,349	3,073	9,509
1985 Total	1,029	1,119	797	1,871	44	166	218	575	748	1,945	7,714
1990 Total	1,170	1,150	807	1,832	12	186	185	714	411	2,589	8,251
1995 Total	1,178	1,130	1,013	2,328	15	178	200	721	337	2,499	8,586
2000 Total	1,276	1,199	1,016	2,571	16	190	150	796	241	2,636	9,074
2001 Total	1,257	1,299	916	2,278	23	174	295	858	203	2,793	9,179
2002 Total	1,240	1,203	1,055	2,383	14	172	308	842	190	2,816	9,169
2003 Total	1,220	1,169	981	2,249	24	159	323	825	220	3,043	9,233
2004 Total	1,304	1,213	1,109	2,364	28	161	371	937	249	3,205	9,832
2005 Total	1,323	1,262	1,049	2,205	39	160	354	894	281	3,122	9,641
2006 Total	1,261	1,258	1,105	2,244	30	156	374	938	239	3,276	9,776
2007 Total	1,197	1,256	1,102	2,285	13	161	302	910	193	3,134	9,451
2008 Total	1,012	1,348	870	1,976	4	150	245	870	194	2,788	8,587
2009 Total	873	1,073	910	2,077	4	135	238	805	130	2,483	7,818
2010 Total	878	1,153	946	2,298	7	136	260	694	120	2,645	8,191
2011 Total	859	1,236	970	2,255	4	127	254	663	135	2,621	8,155
2012 Total	827	1,271	1,109	2,451	2	118	252	717	70	2,474	8,183
2013 Total	783	1,266	1,162	2,644	1	125	263	663	48	2,583	8,377
2014 Total	793	1,366	975	2,514	3	131	210	653	41	2,430	8,140
2015 Total	832	1,170	1,025	2,729	2	142	258	663	34	2,435	8,263
2016 January	40	113	129	270	(s)	12	21	62	4	208	731
February	44	115	119	235	(s)	12	21	55	2	235	718
March	52	119	90	234	(s)	13	22	59	5	205	709
April	60	88	64	208	(s)	11	21	43	6	215	653
May	81	80	67	212	(s)	12	22	42	4	199	652
June	96	88	53	198	(s)	12	22	35	4	208	664
July	97	59	66	217	(s)	10	23	50	6	205	666
August	108	93	67	206	(s)	11	23	71	4	233	748
September	87	99	72	214	(s)	11	22	42	3	210	687
October	86	102	74	233	(s)	12	22	52	5	217	728
November	62	103	84	219	(s)	10	21	80	4	197	697
December	40	100	112	253	(s)	10	22	63	4	222	715
Total	853	1,157	997	2,700	2	135	262	653	52	2,553	8,368
2017 January	38	93	137	278	1	12	20	69	8	209	727
February	45	102	93	215	(s)	10	19	32	3	196	622
March	53	129	90	248	(s)	13	22	27	5	237	734
April	63	80	73	221	(s)	11	21	49	4	239	687
May	75	106	57	219	(s)	12	23	56	5	226	722
June	95	87	50	210	(s)	10	23	41	5	240	710
July	91	64	60	232	(s)	10	23	76	4	231	731
August	112	95	61	200	(s)	8	23	48	5	221	712
September	88	99	79	206	(s)	10	22	56	4	204	688
October	85	107	63	240	(s)	11	22	27	5	224	719
November	61	116	92	251	(s)	10	21	64	6	217	748
December	43	87	104	280	(s)	8	22	65	5	224	734
Total	849	1,165	960	2,799	1	125	261	610	57	2,667	8,534
2018 January	42	130	135	313	1	9	21	58	5	227	807
February	41	100	96	256	(s)	8	19	27	4	217	671
March	48	135	97	272	(s)	12	22	48	3	236	777
April	48	115	73	242	(s)	8	21	48	6	192	681
May	76	140	46	224	(s)	10	23	55	4	215	747
June	95	97	46	224	(s)	11	23	57	4	222	732
July	97	99	55	249	(s)	11	23	54	5	215	753
August	104	123	58	259	(s)	10	23	76	4	228	829
September	77	112	64	246	(s)	6	21	68	5	185	721
9-Month Total	628	1,051	671	2,286	1	87	196	492	39	1,937	6,717
2017 9-Month Total	660	854	702	2,028	1	95	196	454	42	2,002	6,333
2016 9-Month Total	666	852	727	1,995	1	103	197	458	40	1,917	6,229

^a Industrial sector fuel use, including that at industrial combined-heat-and-power (CHP) and industrial electricity-only plants.

^b Hydrocarbon gas liquids.

^c Propane and propylene. Through 1983, also includes 40% of "Butane-Propane Mixtures" and 30% of "Ethane-Propane Mixtures."

^d Ethane, propane, normal butane, isobutane, natural gasoline (pentanes plus), and refinery olefins (ethylene, propylene, butylene, and isobutylene). Through 1983, also includes plant condensate and unfractionated stream.

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

^f There is a discontinuity in this time series between 2014 and 2015 due to a change in the method for allocating motor gasoline consumption to the end-use sectors. Beginning in 2015, the commercial and industrial sector shares of motor gasoline consumption are larger than in 2014, while the transportation sector share is smaller.

^g 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.

NA=Not available. (s)=Less than 0.5 trillion Btu and greater 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 3.6. Petroleum products supplied is an approximation of petroleum consumption and is synonymous with the term "petroleum consumption" in Tables 3.7a–3.8c. See Note 1, "Petroleum Products Supplied and Petroleum Consumption," at end of section. • Totals may not equal sum of components due to independent rounding. • Geographic coverage is the 50 states and the District of Columbia.

Web Page: See <http://www.eia.gov/totalenergy/data/monthly/#petroleum> (Excel and CSV files) for all available annual data beginning in 1949 and monthly data beginning in 1973.

Sources: See end of section.

Table 3.8c Heat Content of Petroleum Consumption: Transportation and Electric Power Sectors (Trillion Btu)

	Transportation Sector								Electric Power Sector ^a			
	Aviation Gasoline	Distillate Fuel Oil ^c	HGL ^b	Jet Fuel ^e	Lubricants	Motor Gasoline ^{f,g}	Residual Fuel Oil	Total	Distillate Fuel Oil ^h	Petroleum Coke	Residual Fuel Oil ⁱ	Total
			Propane ^d									
1950 Total	199	480	3	(^e)	141	4,664	1,201	6,690	32	NA	440	472
1955 Total	354	791	13	301	155	6,175	1,009	8,799	32	NA	439	471
1960 Total	298	892	19	739	152	7,183	844	10,125	22	NA	530	553
1965 Total	222	1,093	32	1,215	149	8,386	770	11,866	29	NA	693	722
1970 Total	100	1,569	44	1,973	147	10,716	761	15,310	141	19	1,958	2,117
1975 Total	71	2,121	43	2,029	155	12,485	711	17,615	226	2	2,937	3,166
1980 Total	64	2,795	18	2,179	172	12,383	1,398	19,009	169	5	2,459	2,634
1985 Total	50	3,170	30	2,497	156	12,784	786	19,472	85	7	998	1,090
1990 Total	45	3,661	23	3,129	176	13,575	1,016	21,626	97	30	1,163	1,289
1995 Total	40	4,191	18	3,132	168	14,576	911	23,036	108	81	566	755
2000 Total	36	5,159	12	3,580	179	15,933	888	25,787	175	99	871	1,144
2001 Total	35	5,286	14	3,426	164	16,013	586	25,524	170	103	1,003	1,276
2002 Total	34	5,387	14	3,340	162	16,437	677	26,051	127	175	659	961
2003 Total	30	5,584	18	3,265	150	16,565	571	26,184	161	175	869	1,205
2004 Total	31	5,925	19	3,383	152	16,901	740	27,150	111	211	879	1,201
2005 Total	35	6,068	28	3,475	151	16,958	837	27,553	114	231	876	1,222
2006 Total	33	6,390	27	3,379	147	17,088	906	27,972	73	203	361	637
2007 Total	32	6,411	22	3,358	152	17,066	994	28,034	89	163	397	648
2008 Total	28	5,792	40	3,193	141	16,510	926	26,630	73	146	240	459
2009 Total	27	5,541	28	2,883	127	16,422	791	25,818	70	132	181	382
2010 Total	27	5,828	^d 9	2,963	155	16,320	892	26,194	80	137	154	370
2011 Total	27	6,003	10	2,950	148	15,877	776	25,791	64	138	93	295
2012 Total	25	5,741	10	2,901	135	15,795	671	25,279	52	85	77	214
2013 Total	22	5,902	9	2,969	143	16,030	581	25,657	55	123	77	255
2014 Total	22	6,162	9	3,042	149	16,209	447	26,039	82	118	95	295
2015 Total	21	6,259	9	3,204	163	^g 16,308	463	26,428	70	112	94	276
2016 January	1	473	1	255	14	1,306	48	2,097	7	9	7	23
February	2	455	1	252	14	1,302	23	2,049	5	9	7	22
March	2	517	1	272	14	1,415	61	2,281	4	10	4	18
April	2	508	1	266	13	1,340	74	2,204	4	11	4	19
May	2	530	1	277	13	1,421	54	2,298	5	10	5	19
June	2	538	1	293	14	1,403	54	2,305	4	11	5	20
July	2	541	1	302	11	1,445	68	2,371	5	11	8	24
August	2	567	1	303	12	1,462	50	2,396	4	12	8	24
September	2	529	1	278	12	1,385	39	2,245	4	11	5	20
October	2	543	1	283	13	1,372	55	2,269	4	7	6	16
November	2	504	1	278	12	1,349	49	2,193	5	8	5	18
December	2	506	1	291	12	1,401	49	2,260	5	9	6	20
Total	20	6,211	10	3,350	154	16,601	623	26,969	55	118	71	244
2017 January	1	464	1	279	14	1,283	92	2,134	5	10	5	21
February	1	451	1	241	12	1,227	41	1,973	4	8	5	16
March	2	530	1	295	14	1,407	53	2,300	5	7	5	17
April	2	508	1	280	12	1,357	45	2,204	4	5	4	13
May	2	554	1	293	13	1,441	59	2,363	5	9	5	19
June	3	544	1	300	12	1,427	55	2,340	4	10	6	19
July	2	551	1	305	12	1,448	47	2,364	4	10	5	18
August	2	575	1	310	9	1,471	57	2,425	4	8	6	18
September	1	535	1	277	11	1,369	47	2,241	4	8	5	17
October	1	553	1	308	12	1,412	53	2,339	4	6	5	16
November	2	519	1	287	12	1,330	64	2,213	4	8	4	17
December	2	503	1	309	9	1,395	46	2,265	9	8	10	27
Total	21	6,285	10	3,481	142	16,566	657	27,163	55	97	66	218
2018 January	1	490	1	279	11	1,319	40	2,140	30	10	21	60
February	1	449	1	254	10	1,201	41	1,957	3	8	4	15
March	2	534	1	302	13	1,425	36	2,313	4	7	4	15
April	2	532	1	278	10	1,341	67	2,231	4	7	4	15
May	2	578	1	300	11	1,441	51	2,383	5	4	5	14
June	2	551	1	315	13	1,430	37	2,350	5	8	6	19
July	3	575	1	312	13	1,454	55	2,412	4	10	5	19
August	2	594	1	326	12	1,471	51	2,456	4	9	6	19
September	1	543	1	289	7	1,331	57	2,230	4	9	6	19
9-Month Total	17	4,845	8	2,655	99	12,413	435	20,472	61	72	62	195
2017 9-Month Total	16	4,711	7	2,578	109	12,429	495	20,345	38	75	46	158
2016 9-Month Total	16	4,658	7	2,499	118	12,479	470	20,246	41	94	55	189

^a 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.

^b Hydrocarbon gas liquids.

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

^d There is a discontinuity in this time series between 2009 and 2010 due to a change in data sources.

^e Beginning in 1957, includes kerosene-type jet fuel. For 1952–2004, also includes naphtha-type jet fuel. (Through 1951, naphtha-type jet fuel is included in the products from which it was blended—gasoline, kerosene, and distillate fuel oil. Beginning in 2005, naphtha-type jet fuel is included in "Other" on Table 3.8b.)

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

^g There is a discontinuity in this time series between 2014 and 2015 due to a change in the method for allocating motor gasoline consumption to the end-use sectors. Beginning in 2015, the commercial and industrial sector shares of motor gasoline consumption are larger than in 2014, while the transportation sector share is smaller.

^h Fuel oil nos. 1, 2, and 4. Through 1979, data are for gas turbine and internal

combustion plant use of petroleum. Through 2000, electric utility data also include small amounts of kerosene and jet fuel.

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

NA=Not available.

Notes: • Transportation sector data are estimates. • For total heat content of petroleum consumption by all sectors, see data for heat content of petroleum products supplied in Table 3.6. Petroleum products supplied is an approximation of petroleum consumption and is synonymous with the term "petroleum consumption" in Tables 3.7a–3.8c. Other measurements of consumption by fuel type or sector may differ. For example, jet fuel product supplied may not equal jet fuel consumed by U.S.-flagged aircraft. See Note 1, "Petroleum Products Supplied and Petroleum Consumption," at end of section. • Totals may not equal sum of components due to independent rounding. • Geographic coverage is the 50 states and the District of Columbia.

Web Page: See <http://www.eia.gov/totalenergy/data/monthly/#petroleum> (Excel and CSV files) for all available annual data beginning in 1949 and monthly data beginning in 1973.

Sources: See end of section.

Note 1. Petroleum Products Supplied and Petroleum Consumption. Total petroleum products supplied is the sum of the products supplied for each petroleum product, crude oil, unfinished oils, and gasoline blending components. This also includes petroleum products supplied for non-combustion use in the industrial and transportation sectors (see Tables 1.11a and 1.11b). In general, except for crude oil, product supplied of each product is computed as follows: field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports. Crude oil product supplied is the sum of crude oil burned on leases and at pipeline pump stations as reported on Form EIA-813, "Monthly Crude Oil Report." Prior to 1983, crude oil burned on leases and used at pipeline pump stations was reported as either distillate or residual fuel oil and was included as product supplied for these products. Petroleum product supplied (see Tables 3.5 and 3.6) is an approximation of petroleum consumption and is synonymous with the term "Petroleum Consumption" in Tables 3.7a–3.8c.

Note 2. Petroleum Survey Respondents. The U.S. Energy Information Administration (EIA) uses a number of sources and methods to maintain the survey respondent lists. On a regular basis, survey managers review such industry publications as the *Oil & Gas Journal* and *Oil Daily* for information on facilities or companies starting up or closing down operations. Those sources are augmented by articles in newspapers, communications from respondents indicating changes in status, and information received from survey systems.

To supplement routine frames maintenance and to provide more thorough coverage, a comprehensive frames investigation is conducted every 3 years. This investigation results in the reassessment and recompilation of the complete frame for each survey. The effort also includes the evaluation of the impact of potential frame changes on the historical time series of data from these respondents. The results of this frame study are usually implemented in January to provide a full year under the same frame.

Note 3. Historical Petroleum Data. Detailed information on petroleum data through 1993 can be found in Notes 1–6 on pages 60 and 61 in the July 2013 *Monthly Energy Review (MER)* at <http://www.eia.gov/totalenergy/data/monthly/archive/00351307.pdf>. The notes discuss:

Note 1, "Petroleum Survey Respondents": In 1993, EIA added numerous companies that produce, blend, store, or import oxygenates to the monthly surveys.

Note 2, "Motor Gasoline": In 1981, EIA expanded its universe to include nonrefinery blenders and separated blending components from finished motor gasoline as a reporting category. In 1993, EIA made adjustments to finished motor gasoline product supplied data to more accurately account for fuel ethanol and motor gasoline blending components blended into finished motor gasoline.

Note 3, "Distillate and Residual Fuel Oils": In 1981, EIA eliminated the requirement to report crude oil in pipelines or burned on leases as either distillate or residual fuel oil.

Note 4, "Petroleum New Stock Basis": In 1975, 1979, 1981, and 1983, EIA added numerous respondents to bulk terminal and pipeline surveys; in 1984, EIA made changes in the reporting of natural gas liquids; and in 1993, EIA changed how it collected bulk terminal and pipeline stocks of oxygenates. These changes affected stocks reported and stock change calculations.

Note 5, "Stocks of Alaskan Crude Oil": In 1981, EIA began to include data for stocks of Alaskan crude oil in transit.

Note 6, "Petroleum Data Discrepancies": In 1976, 1978, and 1979, there are some small discrepancies between data in the MER and the *Petroleum Supply Annual*.

Table 3.1 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.

1981–2001: EIA, *Petroleum Supply Annual (PSA)*, annual reports.

2002 forward: EIA, PSA, annual reports, and unpublished revisions; *Petroleum Supply Monthly*, monthly reports; revisions to crude oil production, total field production, and adjustments (based on crude oil production data from: Form EIA-914, "Monthly Crude Oil, Lease Condensate, and Natural Gas Production Report"; 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"); and, for the current two months, *Weekly Petroleum Status Report* data system and *Monthly Energy Review* data system calculations.

Table 3.2 Sources

1949–1975: Bureau of Mines, Mineral Industry Surveys, *Petroleum Statement, Annual*, annual reports; and U.S. Energy Information Administration (EIA) estimates. (For 1967–1975, refinery and blender net production estimates for propylene are equal to "Propane/Propylene Production at Refineries for Chemical Use"; and estimates for propane are equal to total propane/propylene minus propylene.)

1976–1980: EIA, Energy Data Reports, *Petroleum Statement, Annual*, annual reports, and estimates. (Refinery and blender net production estimates for propylene are equal to "Propane/Propylene Production at Refineries for Chemical Use"; and estimates for propane are equal to total propane/propylene minus propylene.)

1981–2017: EIA, *Petroleum Supply Annual*, annual reports, unpublished revisions, and estimates. (For 1981–1985, refinery and blender net production estimates for propylene are equal to "Propane/Propylene Production at Refineries for Petrochemical Use"; and estimates for propane are equal to total propane/propylene minus propylene. For 1986–1988, refinery and blender net production estimates for propylene are created using the 1989 annual propylene share of "Net Refinery Production of Propane/Propylene"; and estimates for propane are equal to total propane/propylene minus propylene.)

2018: EIA, *Petroleum Supply Monthly*, monthly reports; and, for the current two months, *Weekly Petroleum Status Report* data system, Short-Term Integrated Forecasting System, and *Monthly Energy Review* data system calculations.

Table 3.5 Sources

1949–1975: Bureau of Mines, Mineral Industry Surveys, *Petroleum Statement, Annual*, annual reports; and U.S. Energy Information Administration (EIA) estimates. (For 1949–1966, product supplied estimates for total propane/propylene are created using sales and shipments data from Bureau of Mines, Mineral Industry Surveys, *Sales of Liquefied Petroleum Gases and Ethane*, annual reports, and *Shipments of Liquefied Petroleum Gases and Ethane*, annual reports—annual growth rates of sales and shipments are applied to the 1967 total propane/propylene product supplied value to create historical annual estimates. For 1949–1966, product supplied estimates for propylene are created using the 1967 annual propylene share of total propane/propylene product supplied; and estimates for propane are equal to total propane/propylene minus propylene. For 1967–1975, product supplied estimates for propylene are equal to propylene refinery and blender net production from Table 3.2; and estimates for propane are equal to total propane/propylene minus propylene.)

1976–1980: EIA, Energy Data Reports, *Petroleum Statement, Annual*, annual reports, and estimates. (Product supplied estimates for propylene are equal to propylene refinery and blender net production from Table 3.2; and estimates for propane are equal to total propane/propylene minus propylene.)

1981–2017: EIA, *Petroleum Supply Annual*, annual reports, unpublished revisions, and estimates. (For 1981–1992, product supplied estimates for propylene are equal to propylene refinery and blender net production from Table 3.2; and estimates for propane are equal to total propane/propylene minus propylene. For 1993–2009, product supplied

estimates for propylene are equal to propylene refinery and blender net production from Table 3.2, plus propylene imports from Table 3.3b; and estimates for propane are equal to total propane/propylene minus propylene.)

2018: EIA, *Petroleum Supply Monthly*, monthly reports; and, for the current two months, *Weekly Petroleum Status Report* data system, Short-Term Integrated Forecasting System, and *Monthly Energy Review* data system calculations.

Table 3.6 Sources

Asphalt and Road Oil

Product supplied data in thousand barrels per day for asphalt and road oil are from Table 3.5, and are converted to trillion Btu by multiplying by the asphalt and road oil heat content factor in Table A1.

Aviation Gasoline

Product supplied data in thousand barrels per day for aviation gasoline are from Table 3.5, and are converted to trillion Btu by multiplying by the aviation gasoline (finished) heat content factor in Table A1.

Distillate Fuel Oil

1949–2008: Product supplied data in thousand barrels per day for distillate fuel oil are from Table 3.5, and are converted to trillion Btu by multiplying by the distillate fuel oil heat content factors in Table A3.

2009 forward: Data for refinery and blender net inputs of renewable diesel fuel are from U.S. Energy Information Administration (EIA), *Petroleum Supply Annual (PSA)/Petroleum Supply Monthly (PSM)*, Table 1 (for biomass-based diesel fuel, the data are converted to Btu by multiplying by the biodiesel heat content factor in Table A1; for other renewable diesel fuel, the data are converted to Btu by multiplying by the other renewable diesel fuel heat content factor in Table A1). Product supplied data for distillate fuel oil from Table 3.5, minus data for renewable diesel fuel from the PSA/PSM, are converted to Btu by multiplying by the distillate fuel oil heat content factors in Table A3. Total distillate fuel oil product supplied is the sum of distillate fuel oil (excluding renewable diesel fuel) and renewable diesel fuel.

Hydrocarbon Gas Liquids (HGL)—Propane (Including Propylene)

Product supplied data in thousand barrels per day for propane (including propylene) are from Table 3.5, and are converted to trillion Btu by multiplying by the propane/propylene heat content factor in Table A1.

Hydrocarbon Gas Liquids (HGL)—Total

Prior to the current two months, product supplied data in thousand barrels per day for the component products of HGL (ethane, propane, normal butane, isobutane, natural gasoline, and refinery olefins—ethylene, propylene, butylene, and isobutylene) are from the PSA, PSM, and earlier publications (see sources for Table 3.5). These data are converted to trillion Btu by multiplying by the appropriate heat content factors in Table A1. Total HGL product supplied is the sum of the data in trillion Btu for the HGL component products.

For the current two months: Note that "liquefied petroleum gases" ("LPG") below include ethane, propane, normal butane, isobutane, and refinery olefins (ethylene, propylene, butylene, and isobutylene), but exclude natural gasoline. Product supplied data in thousand barrels per day for LPG are from EIA's Short-Term Integrated Forecasting System (STIFS). (The STIFS model results are used in EIA's *Short-Term Energy Outlook*, which is accessible on the Web at <https://www.eia.gov/outlooks/steo/>.) These data are converted to trillion Btu by multiplying by the previous year's quantity-weighted LPG heat content factor (derived using LPG component heat content factors in Table A1). Product supplied data in thousand barrels per day for natural gasoline are from STIFS, and are converted to trillion Btu by multiplying by the natural gasoline heat content factor in Table A1. Total HGL product supplied is the sum of the data in trillion Btu for LPG and natural gasoline.

Jet Fuel

Product supplied data in thousand barrels per day for kerosene-type jet fuel and, through 2004, naphtha-type jet fuel are from the PSA, PSM, and earlier publications (see sources for Table 3.5). These data are converted to trillion Btu by multiplying by the appropriate heat content factors in Table A1. Total jet fuel product supplied is the sum of the data in trillion Btu for kerosene-type and naphtha-type jet fuel.

Kerosene

Product supplied data in thousand barrels per day for kerosene are from Table 3.5, and are converted to trillion Btu by multiplying by the kerosene heat content factor in Table A1.

Lubricants

Product supplied data in thousand barrels per day for lubricants are from Table 3.5, and are converted to trillion Btu by multiplying by the lubricants heat content factor in Table A1.

Motor Gasoline

Product supplied data in thousand barrels per day for motor gasoline are from Table 3.5, and are converted to trillion Btu by multiplying by the motor gasoline heat content factors in Table A3.

Other Petroleum Products

Prior to the current two months, product supplied data in thousand barrels per day for "other" petroleum products are from the PSA, PSM, and earlier publications (see sources for Table 3.5). "Other" petroleum products include petrochemical feedstocks, special naphthas, still gas (refinery gas), waxes, and miscellaneous products; 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; and beginning in 2005, also includes naphtha-type jet fuel. These data are converted to trillion Btu by multiplying by the appropriate heat content factors in MER Table A1. Total "Other" petroleum product supplied is the sum of the data in trillion Btu for the individual products.

For the current two months, total "Other" petroleum products supplied is calculated by first estimating total petroleum products supplied (product supplied data in thousand barrels per day for total petroleum from Table 3.5 are converted to trillion Btu by multiplying by the total petroleum consumption heat content factor in Table A3), and then subtracting data in trillion Btu (from Table 3.6) for asphalt and road oil, aviation gasoline, distillate fuel oil, jet fuel, kerosene, total HGL, lubricants, motor gasoline, petroleum coke, and residual fuel oil.

Petroleum Coke

Product supplied data in thousand barrels per day for petroleum coke are from Table 3.5, and are converted to trillion Btu by multiplying by the petroleum coke heat content factors in Table A3.

Residual Fuel Oil

Product supplied data in thousand barrels per day for residual fuel oil are from Table 3.5, and are converted to trillion Btu by multiplying by the residual fuel oil heat content factor in Table A1.

Total Petroleum

Total petroleum products supplied is the sum of the data in trillion Btu for the products (except "Propane") shown in Table 3.6.

Tables 3.7a–3.7c Sources

Petroleum consumption data for 1949–1972 are from the following 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 System.

Petroleum consumption data beginning in 1973 are derived from data for "petroleum products supplied" from the following sources:

1973–1975: Bureau of Mines, Mineral Industry Surveys, *Petroleum Statement Annual*, annual reports.

1976–1980: EIA, Energy Data Reports, *Petroleum Statement Annual*, annual reports.

1981–2017: EIA, *Petroleum Supply Annual (PSA)*, annual reports, and unpublished revisions.

2018: EIA, *Petroleum Supply Monthly (PSM)*, monthly reports.

Beginning in 1973, energy-use allocation procedures by individual product are as follows:

Asphalt and Road Oil

All consumption of asphalt and road oil is assigned to the industrial sector.

Aviation Gasoline

All consumption of aviation gasoline is assigned to the transportation sector.

Distillate Fuel Oil

Distillate fuel oil consumption is assigned to the sectors as follows:

Distillate Fuel Oil, Electric Power Sector

See sources for Table 7.4b. For 1973–1979, electric utility consumption of distillate fuel oil is assumed to be the amount of petroleum (minus small amounts of kerosene and kerosene-type jet fuel deliveries) consumed in gas turbine and internal combustion plants. For 1980–2000, electric utility consumption of distillate fuel oil is assumed to be the amount of light oil (fuel oil nos. 1 and 2, plus small amounts of kerosene and jet fuel) consumed.

Distillate Fuel Oil, End-Use Sectors, Annual Data

The aggregate end-use amount is total distillate fuel oil product supplied minus the amount consumed by the electric power sector. The end-use total consumed annually is allocated to the individual end-use sectors (residential, commercial, industrial, and transportation) in proportion to each sector's share of sales as reported in EIA's *Fuel Oil and Kerosene Sales (Sales)* report series (DOE/EIA-0535), which is based primarily on data collected by Form EIA-821, "Annual Fuel Oil and Kerosene Sales Report" (previously Form EIA-172). Shares for the current year are based on the most recent Sales report.

Following are notes on the individual sector groupings:

Beginning in 1979, the residential sector sales total is directly from the Sales reports. Through 1978, each year's sales subtotal of the heating plus industrial category is split into residential, commercial, and industrial (including farm) in proportion to the 1979 shares.

Beginning in 1979, the commercial sector sales total is directly from the Sales reports. Through 1978, each year's sales subtotal of the heating plus industrial category is split into residential, commercial, and industrial (including farm) in proportion to the 1979 shares.

Beginning in 1979, the industrial sector sales total is the sum of the sales for industrial, farm, oil company, off-highway diesel, and all other uses. Through 1978, each year's sales subtotal of the heating plus industrial category is split into residential, commercial, and industrial (including farm) in proportion to the 1979 shares, and this estimated industrial portion is added to oil company, off-highway diesel, and all other uses.

The transportation sector sales total is the sum of the sales for railroad, vessel bunkering, on-highway diesel, and military uses for all years.

Distillate Fuel Oil, End-Use Sectors, Monthly Data

Residential sector and commercial sector monthly consumption is estimated by allocating the annual estimates, which are described above, into the months in proportion to each month's share of the year's sales of No. 2 heating oil. (For each month of the current year, the residential and commercial consumption increase from the same month in the previous year is based on the percent increase in that month's No. 2 heating oil sales from the same month in the previous year.) The years' No. 2 heating oil sales totals are from the following sources: for 1973–1980, the Ethyl Corporation, *Monthly Report of Heating Oil Sales*; for 1981 and 1982, the American Petroleum Institute, *Monthly Report of Heating Oil Sales*; and for 1983 forward, EIA, Form EIA-782A, "Refiners'/Gas Plant Operators' Monthly Petroleum Product Sales Report," No. 2 Fuel Oil Sales to End Users and for Resale.

The transportation highway use portion is allocated into the months in proportion to each month's share of the year's total sales for highway use as reported by the Federal Highway Administration's Table MF-25, "Private and Commercial Highway Use of Special Fuels by Months." Beginning in 1994, the sales-for-highway-use data are no longer available as a monthly series; the 1993 data are used for allocating succeeding year's totals into months.

A distillate fuel oil "balance" is calculated as total distillate fuel oil product supplied minus the amount consumed by the electric power sector, residential sector, commercial sector, and for highway use.

Industrial sector monthly consumption is estimated by multiplying each month's distillate fuel oil "balance" by the annual industrial consumption share of the annual distillate fuel oil "balance."

Total transportation sector monthly consumption is estimated as total distillate fuel oil product supplied minus the amount consumed by the residential, commercial, industrial, and electric power sectors.

Hydrocarbon Gas Liquids (HGL)—Propane (Including Propylene) and Total

Note that "liquefied petroleum gases" ("LPG") below include ethane, propane, normal butane, isobutane, and refinery olefins (ethylene, propylene, butylene, and isobutylene), but exclude natural gasoline.

The annual shares of LPG total consumption that are estimated to be used by each sector are applied to each month's total LPG consumption to create monthly sector consumption estimates. The annual sector shares are calculated as described below.

Annual residential sector LPG consumption: Through 2002, residential sector LPG consumption is estimated by applying the average of the state residential shares for 2003–2008 to the combined residential and commercial propane sales. Beginning in 2003, residential sector LPG consumption is assumed to equal propane retail sales to the residential sector and sales to retailers.

Annual commercial sector LPG consumption: Through 2002, commercial sector LPG consumption is equal to the combined residential and commercial propane sales minus residential sector LPG consumption. Beginning in 2003, commercial sector LPG consumption is assumed to equal commercial sector propane sales.

Annual transportation sector LPG consumption: Through 2009, transportation sector LPG consumption is assumed to equal the transportation portion of propane sales for internal combustion engines (these sales are allocated between the transportation and industrial sectors using data for special fuels used on highways provided by the U.S. Department of Transportation, Federal Highway Administration). Beginning in 2010, transportation sector LPG consumption is from EIA, *Annual Energy Outlook*, Table 37, "Transportation Sector Energy Use by Fuel Type within a Mode."

Annual industrial sector LPG consumption: Industrial sector LPG is estimated as the difference between LPG total product supplied and the sum of the estimated LPG consumption by the residential, commercial, and transportation sectors. The industrial sector LPG consumption includes LPG used by chemical plants as raw materials or solvents and used in the production of synthetic rubber; refinery fuel use; use as synthetic natural gas feedstock and use in secondary recovery projects; all farm use; LPG sold to gas utility companies for distribution through the mains; and a portion of the use of LPG as an internal combustion engine fuel.

Sources of the annual consumption estimates for creating annual sector shares are:

1973–1982: EIA's "Sales of Liquefied Petroleum Gases and Ethane" reports, based primarily on data collected by Form EIA-174, "Sales of Liquefied Petroleum Gases."

1983: End-use consumption estimates for 1983 are based on 1982 end-use consumption because the collection of data under Form EIA-174 was discontinued after data year 1982.

1984–2007: American Petroleum Institute (API), "Sales of Natural Gas Liquids and Liquefied Refinery Gases," table on sales of natural gas liquids and liquefied refinery gases by end use. EIA adjusts the data to remove quantities of natural gasoline and to estimate withheld values.

2008 and 2009: Propane consumption is from API, "Sales of Natural Gas Liquids and Liquefied Refinery Gases," table on sales of propane by end use. EIA adjusts the data to estimate withheld values. Other LPG consumption is from EIA, PSA, annual reports, and is allocated to the industrial sector.

2010 forward: Propane consumption is from API, "Sales of Natural Gas Liquids and Liquefied Refinery Gases," table on sales of odorized propane by end use; and EIA, *Annual Energy Outlook*, Table 37, "Transportation Sector Energy Use by Fuel Type Within a Mode." EIA adjusts the data to estimate withheld values. Other LPG consumption is from EIA, PSA, annual reports, and is allocated to the industrial sector.

Residential sector propane (including propylene) consumption is equal to residential sector LPG consumption.

Commercial sector propane (including propylene) consumption is equal to commercial sector LPG consumption.

Transportation sector propane (including propylene) consumption is equal to transportation sector LPG consumption.

Industrial sector propane (including propylene) consumption is equal to propane (including propylene) product supplied from the PSA, PSM, and earlier publications (see sources for Table 3.5), minus propane (including propylene) consumption in the residential, commercial, and transportation sectors.

Industrial sector total HGL consumption: Product supplied data in thousand barrels per day for natural gasoline are from the PSA, PSM, and earlier publications (see sources for Table 3.5). Industrial sector total HGL consumption is the sum of industrial sector LPG consumption and natural gasoline product supplied.

Jet Fuel

Through 1982, small amounts of kerosene-type jet fuel were consumed by the electric power sector. Kerosene-type jet fuel deliveries to the electric power sector as reported on Form FERC-423 (formerly Form FPC-423) were used as estimates of this consumption. Through 2004, all remaining jet fuel (kerosene-type and naphtha-type) is assigned to the transportation sector. Beginning in 2005, kerosene-type jet fuel is assigned to the transportation sector, while naphtha-type jet fuel is classified under "Other Petroleum Products," which is assigned to the industrial sector. (Note: Petroleum products supplied is an approximation of petroleum consumption and is synonymous with the term "petroleum consumption" in Tables 3.7a–3.8c. Other measurements of consumption by fuel type or sector may differ. For example, jet fuel product supplied may not equal jet fuel consumed by U.S.-flagged aircraft.)

Kerosene

Kerosene product supplied is allocated to the individual end-use sectors (residential, commercial, and industrial) in proportion to each sector's share of sales as reported in EIA's *Fuel Oil and Kerosene Sales (Sales)* report series (DOE/EIA-0535), which is based primarily on data collected by Form EIA-821, "Annual Fuel Oil and Kerosene Sales Report" (previously Form EIA-172).

Beginning in 1979, the residential sector sales total is directly from the Sales reports. Through 1978, each year's sales category called "heating" is allocated to the residential, commercial, and industrial sectors in proportion to the 1979 shares.

Beginning in 1979, the commercial sector sales total is directly from the Sales reports. Through 1978, each year's sales category called "heating" is allocated to the residential, commercial, and industrial sectors in proportion to the 1979 shares.

Beginning in 1979, the industrial sector sales total is the sum of the sales for industrial, farm, and all other uses. Through 1978, each year's sales category called "heating" is allocated to the residential, commercial and industrial sectors in proportion to the 1979 shares, and the estimated industrial (including farm) portion is added to all other uses.

Lubricants

1973–2009: The consumption of lubricants is allocated to the industrial and transportation sectors for all months according to proportions developed from annual sales of lubricants to the two sectors from U.S. Department of Commerce, U.S. Census Bureau, *Current Industrial Reports*, "Sales of Lubricating and Industrial Oils and Greases." The

1973 shares are applied to 1973 and 1974; the 1975 shares are applied to 1975 and 1976; and the 1977 shares are applied to 1977 through 2009.

2010 forward: The consumption of lubricants in the industrial sector is estimated by EIA based on Kline & Company data on finished lubricant demand for industrial (less marine and railroad) use. The consumption of lubricants in the transportation sector is estimated by EIA based on Kline & Company data on finished lubricant demand for consumer total, commercial total, marine, and railroad use. Estimates for lubricant consumption from 2010 forward are not compatible with data before 2010.

Motor Gasoline

The total monthly consumption of motor gasoline is allocated to the sectors in proportion to aggregations of annual sales categories created on the basis of the U.S. Department of Transportation, Federal Highway Administration, *Highway Statistics*, Tables MF-21, MF-24, and MF-25, as follows:

Through 2014, commercial sales are the sum of sales for public non-highway use and miscellaneous use. Beginning in 2015, commercial sales are the sum of sales for public non-highway use, lawn and garden use, and miscellaneous use.

For all years, industrial sales are the sum of sales for agriculture, construction, and "industrial and commercial" use (as classified in the *Highway Statistics*).

Through 2014, transportation sales are the sum of sales for highway use (minus the sales of special fuels, which are primarily diesel fuel and are accounted for in the transportation sector of distillate fuel) and sales for marine use. Beginning in 2015, transportation sales are the sum of sales for highway use (minus the sales of special fuels, which are primarily diesel fuel and are accounted for in the transportation sector of distillate fuel) and sales for boating use and recreational vehicle use.

Petroleum Coke

Portions of petroleum coke are consumed by the electric power sector (see sources for Table 7.4b) and the commercial sector (see sources for Table 7.4c). The remaining petroleum coke is assigned to the industrial sector.

Residual Fuel Oil

Residual fuel oil consumption is assigned to the sectors as follows:

Residual Fuel Oil, Electric Power Sector

See sources for Table 7.4b. For 1973–1979, electric utility consumption of residual fuel oil is assumed to be the amount of petroleum consumed in steam-electric power plants. For 1980–2000, electric utility consumption of residual fuel oil is assumed to be the amount of heavy oil (fuel oil nos. 4, 5, and 6) consumed.

Residual Fuel Oil, End-Use Sectors, Annual Data

The aggregate end-use amount is total residual fuel oil product supplied minus the amount consumed by the electric power sector. The end-use total consumed annually is allocated to the individual end-use sectors (commercial, industrial, and transportation) in proportion to each sector's share of sales as reported in EIA's *Fuel Oil and Kerosene Sales (Sales)* report series (DOE/EIA-535), which is based primarily on data collected by Form EIA-821, "Annual Fuel Oil and Kerosene Sales Report" (previously Form EIA-172). Shares for the current year are based on the most recent Sales report.

Following are notes on the individual sector groupings:

Beginning in 1979, commercial sales data are directly from the Sales reports. Through 1978, each year's sales subtotal of the heating plus industrial category is allocated to the commercial and industrial sectors in proportion to the 1979 shares.

Beginning in 1979, industrial sales data are the sum of sales for industrial, oil company, and all other uses. Through 1978, each year's sales subtotal of the heating plus industrial category is allocated to the commercial and industrial sectors in proportion to the 1979 shares, and the estimated industrial portion is added to oil company and all other uses.

Transportation sales are the sum of sales for railroad, vessel bunkering, and military uses for all years.

Residual Fuel Oil, End-Use Sectors, Monthly Data

Commercial sector monthly consumption is estimated by allocating the annual estimates, which are described above, into the months in proportion to each month's share of the year's sales of No. 2 heating oil. (For each month of the current year, the consumption increase from the same month in the previous year is based on the percent increase in that month's No. 2 heating oil sales from the same month in the previous year.) The years' No. 2 heating oil sales totals are from the following sources: for 1973–1980, the Ethyl Corporation, *Monthly Report of Heating Oil Sales*; for 1981 and 1982, the American Petroleum Institute, *Monthly Report of Heating Oil Sales*; and for 1983 forward, EIA, Form EIA-782A, "Refiners'/Gas Plant Operators' Monthly Petroleum Product Sales Report," No. 2 Fuel Oil Sales to End Users and for Resale.

A residual fuel oil "balance" is calculated as total residual fuel oil product supplied minus the amount consumed by the electric power sector, commercial sector, and by industrial combined-heat-and-power plants (see sources for Table 7.4c).

Transportation sector monthly consumption is estimated by multiplying each month's residual fuel oil "balance" by the annual transportation consumption share of the annual residual fuel oil "balance."

Total industrial sector monthly consumption is estimated as total residual fuel oil product supplied minus the amount consumed by the commercial, transportation, and electric power sectors.

Other Petroleum Products

Consumption of all remaining petroleum products is assigned to the industrial sector. Other petroleum products include petrochemical feedstocks, special naphthas, still gas (refinery gas), waxes, and miscellaneous products. 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.

Table 3.8a Sources

Distillate Fuel Oil

Residential and commercial sector consumption data in thousand barrels per day for distillate fuel oil are from Table 3.7a, and are converted to trillion Btu by multiplying by the distillate fuel oil heat content factors in Table A3.

Hydrocarbon Gas Liquids (HGL)—Propane (Including Propylene)

Residential and commercial sector consumption data in thousand barrels per day for HGL are from Table 3.7a, and are converted to trillion Btu by multiplying by the propane/propylene heat content factor in Table A1.

Kerosene

Residential and commercial sector consumption data in thousand barrels per day for kerosene are from Table 3.7a, and are converted to trillion Btu by multiplying by the kerosene heat content factor in Table A1.

Motor Gasoline

Commercial sector consumption data in thousand barrels per day for motor gasoline are from Table 3.7a, and are converted to trillion Btu by multiplying by the motor gasoline heat content factors in Table A3.

Petroleum Coke

1949–2003: Commercial sector consumption data in thousand barrels per day for petroleum coke are from Table 3.7a, and are converted to trillion Btu by multiplying by the total petroleum coke heat content factor in Table A1.

2004 forward: Commercial sector consumption data in thousand barrels per day for petroleum coke are from Table 3.7a, and are converted to trillion Btu by multiplying by the marketable petroleum coke heat content factor in Table A1.

Residual Fuel Oil

Commercial sector consumption data in thousand barrels per day for residual fuel oil are from Table 3.7a, and are converted to trillion Btu by multiplying by the residual fuel oil heat content factor in Table A1.

Total Petroleum

Residential sector total petroleum consumption is the sum of the data in trillion Btu for the petroleum products shown under "Residential Sector" in Table 3.8a. Commercial sector total petroleum consumption is the sum of the data in trillion Btu for the petroleum products shown under "Commercial Sector" in Table 3.8a.

Table 3.8b Sources

Asphalt and Road Oil

Industrial sector consumption data in thousand barrels per day for asphalt and road oil are from Table 3.7b, and are converted to trillion Btu by multiplying by the asphalt and road oil heat content factor in Table A1.

Distillate Fuel Oil

Industrial sector consumption data in thousand barrels per day for distillate fuel oil are from Table 3.7b, and are converted to trillion Btu by multiplying by the distillate fuel oil heat content factors in Table A3.

Hydrocarbon Gas Liquids (HGL)—Propane (Including Propylene)

Industrial sector consumption data in thousand barrels per day for HGL are from Table 3.7b, and are converted to trillion Btu by multiplying by the propane/propylene heat content factor in Table A1.

Hydrocarbon Gas Liquids (HGL)—Total

Industrial sector consumption data for HGL are calculated by subtracting HGL consumption data in trillion Btu for the residential (Table 3.8a), commercial (Table 3.8a), and transportation (Table 3.8c) sectors from total HGL consumption (Table 3.6).

Kerosene

Industrial sector consumption data in thousand barrels per day for kerosene are from Table 3.7b, and are converted to trillion Btu by multiplying by the kerosene heat content factor in Table A1.

Lubricants

Industrial sector consumption data in thousand barrels per day for lubricants are from Table 3.7b, and are converted to trillion Btu by multiplying by the lubricants heat content factor in Table A1.

Motor Gasoline

Industrial sector consumption data in thousand barrels per day for motor gasoline are from Table 3.7b, and are converted to trillion Btu by multiplying by the motor gasoline heat content factors in Table A3.

Other Petroleum Products

Industrial sector "Other" petroleum data are equal to the "Other" petroleum data in Table 3.6.

Petroleum Coke

1949–2003: Industrial sector consumption data in thousand barrels per day for petroleum coke are from Table 3.7b, and are converted to trillion Btu by multiplying by the total petroleum coke heat content factor in Table A1.

2004 forward: Industrial sector consumption data for petroleum coke are calculated by subtracting petroleum coke consumption data in trillion Btu for the commercial (Table 3.8a) and electric power (Table 3.8c) sectors from total petroleum coke consumption (Table 3.6).

Residual Fuel Oil

Industrial sector consumption data in thousand barrels per day for residual fuel oil are from Table 3.7b, and are converted to trillion Btu by multiplying by the residual fuel oil heat content factor in Table A1.

Total Petroleum

Industrial sector total petroleum consumption is the sum of the data in trillion Btu for the petroleum products shown in Table 3.8b.

Table 3.8c Sources

Aviation Gasoline

Transportation sector consumption data in thousand barrels per day for aviation gasoline are from Table 3.7c, and are converted to trillion Btu by multiplying by the aviation gasoline (finished) heat content factor in Table A1.

Distillate Fuel Oil, Electric Power Sector

Electric power sector consumption data in thousand barrels per day for distillate fuel oil are from Table 3.7c, and are converted to trillion Btu by multiplying by the distillate fuel oil heat content factors in Table A3.

Distillate Fuel Oil, Transportation Sector

1949–2008: Transportation sector consumption data in thousand barrels per day for distillate fuel oil are from Table 3.7c, and are converted to trillion Btu by multiplying by the distillate fuel oil heat content factors in Table A3.

2009 forward: Data for refinery and blender net inputs of renewable diesel fuel are from U.S. Energy Information Administration (EIA), *Petroleum Supply Annual (PSA)/Petroleum Supply Monthly (PSM)*, Table 1 (for biomass-based diesel fuel, the data are converted to Btu by multiplying by the biodiesel heat content factor in Table A1; for other renewable diesel fuel, the data are converted to Btu by multiplying by the other renewable diesel fuel heat content factor in Table A1). Transportation sector consumption data from Table 3.7c, minus data for renewable diesel fuel from the PSA/PSM, are converted to Btu by multiplying by the distillate fuel oil heat content factors in Table A3. Total transportation sector distillate fuel oil consumption is the sum of distillate fuel oil (excluding renewable diesel fuel) and renewable diesel fuel.

Hydrocarbon Gas Liquids (HGL)—Propane (Including Propylene)

Transportation sector consumption data in thousand barrels per day for HGL are from Table 3.7c, and are converted to trillion Btu by multiplying by the propane/propylene heat content factor in Table A1.

Jet Fuel

Transportation sector consumption data in thousand barrels per day for kerosene-type jet fuel and, through 2004, naphtha-type jet fuel (see sources for Table 3.7c) are converted to trillion Btu by multiplying by the appropriate heat content factors in Table A1. Total transportation sector jet fuel consumption is the sum of the data in trillion Btu for kerosene-type and naphtha-type jet fuel. (Note: Petroleum products supplied is an approximation of petroleum consumption and is synonymous with the term "petroleum consumption" in Tables 3.7a–3.8c. Other measurements of consumption by fuel type or sector may differ. For example, jet fuel product supplied may not equal jet fuel consumed by U.S.-flagged aircraft.)

Lubricants

Transportation sector consumption data in thousand barrels per day for lubricants are from Table 3.7c, and are converted to trillion Btu by multiplying by the lubricants heat content factor in Table A1.

Motor Gasoline

Transportation sector consumption data in thousand barrels per day for motor gasoline are from Table 3.7c, and are converted to trillion Btu by multiplying by the motor gasoline heat content factors in Table A3.

Petroleum Coke

1949–2003: Electric power sector consumption data in thousand barrels per day for petroleum coke are from Table 3.7c, and are converted to trillion Btu by multiplying by the total petroleum coke heat content factor in Table A1.

2004 forward: Electric power sector consumption data in thousand barrels per day for petroleum coke are from Table 3.7c, and are converted to trillion Btu by multiplying by the marketable petroleum coke heat content factor in Table A1.

Residual Fuel Oil

Transportation and electric power consumption data in thousand barrels per day for residual fuel oil are from Table 3.7c, and are converted to trillion Btu by multiplying by the residual fuel oil heat content factor in Table A1.

Total Petroleum

Transportation sector total petroleum consumption is the sum of the data in trillion Btu for the petroleum products shown under "Transportation Sector" in Table 3.8c. Electric power sector total petroleum consumption is the sum of the data in trillion Btu for the petroleum products shown under "Electric Power Sector" in Table 3.8c.