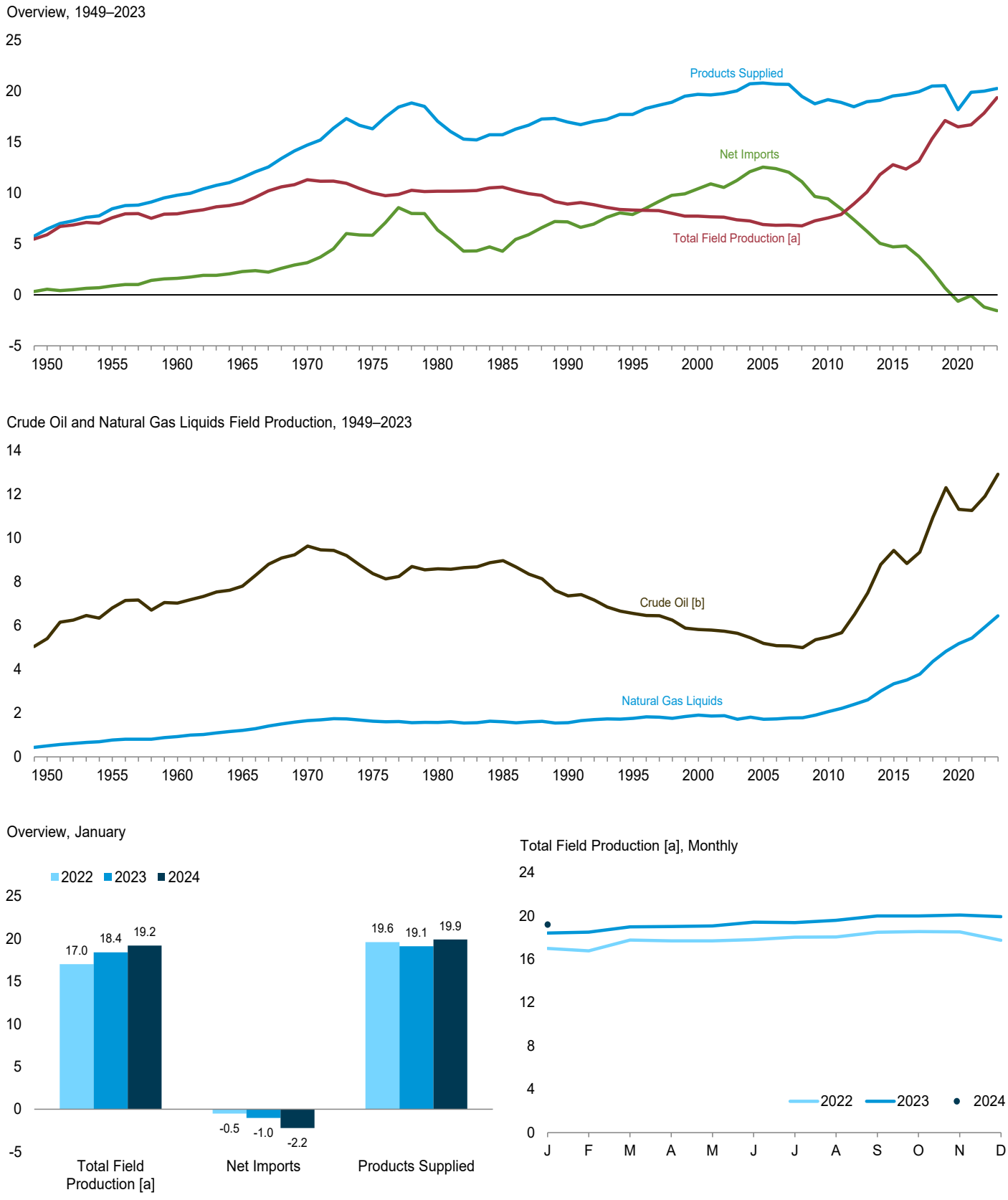
3. Petroleum

Figure 3.1 Petroleum Overview

(Million Barrels Per Day)



[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]					Biofuels Plant Net Production[e]	Processing Gain[f]	Trade			Stock Change[i]	Adjustments[c,j]	Petroleum Products Supplied
	Crude Oil[b,c]			Natural Gas Liquids	Total[c]			Imports[g]	Exports	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
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	4,711	645	5,357	1,910	7,267	746	979	11,691	2,024	9,667	107	221	18,771
2010 Average	4,885	600	5,484	2,074	7,558	907	1,068	11,793	2,353	9,441	42	246	19,178
2011 Average	5,113	561	5,674	2,216	7,890	1,016	1,076	11,436	2,986	8,450	-138	325	18,896
2012 Average	5,998	526	6,524	2,408	8,932	964	1,059	10,598	3,205	7,393	151	285	18,482
2013 Average	6,981	515	7,495	2,606	10,101	1,002	1,087	9,859	3,621	6,237	-138	400	18,967
2014 Average	8,295	496	8,791	3,015	11,805	1,055	1,081	9,241	4,176	5,065	267	362	19,100
2015 Average	8,957	483	9,439	3,342	12,782	1,095	1,062	9,449	4,738	4,711	431	313	19,532
2016 Average	8,356	490	8,846	3,509	12,356	1,158	1,118	10,055	5,261	4,795	125	390	19,692
2017 Average	8,863	495	9,357	3,783	13,140	1,198	1,111	10,144	6,376	3,768	-364	370	19,952
2018 Average	10,472	479	10,951	4,369	15,321	1,234	1,138	9,943	7,601	2,341	44	522	20,512
2019 Average	11,845	466	12,311	4,825	17,136	1,125	1,069	9,141	8,471	670	28	572	20,543
2020 Average	10,871	448	11,318	5,175	16,493	1,009	923	7,863	8,498	-635	176	573	18,186
2021 January	10,679	458	11,137	5,217	16,355	1,073	889	7,918	8,419	-501	-300	698	18,814
February	9,459	457	9,916	4,247	14,163	947	780	7,648	7,291	357	-1,227	225	17,699
March	10,898	453	11,351	5,148	16,499	1,095	865	8,327	7,896	431	254	497	19,132
April	10,872	446	11,318	5,477	16,795	1,086	937	8,268	8,709	-441	-549	816	19,744
May	10,946	443	11,390	5,497	16,886	1,159	1,038	8,558	8,460	98	-25	843	20,050
June	10,926	440	11,366	5,515	16,881	1,170	953	9,308	9,365	-56	-959	679	20,586
July	11,012	380	11,392	5,502	16,894	1,177	949	8,801	8,434	368	-105	679	20,172
August	10,868	409	11,276	5,596	16,872	1,101	989	8,714	8,867	-153	-900	863	20,573
September	10,492	430	10,921	5,571	16,493	1,079	935	8,934	7,772	1,162	-93	376	20,139
October	11,127	437	11,564	5,721	17,285	1,208	1,013	8,136	8,226	-90	-164	797	20,377
November	11,336	446	11,782	5,773	17,555	1,256	1,013	8,475	9,185	-710	-947	513	20,573
December	11,227	451	11,678	5,741	17,419	1,263	1,092	8,553	9,714	-1,161	-1,385	658	20,657
Average	10,830	437	11,268	5,425	16,693	1,136	956	8,474	8,536	-62	-527	641	19,890
2022 January	11,030	450	11,480	5,508	16,988	1,206	988	8,177	8,690	-513	-448	496	19,613
February	10,808	450	11,258	5,514	16,772	1,183	924	8,457	8,735	-278	-1,212	377	20,190
March	11,366	440	11,806	5,952	17,758	1,197	1,004	8,449	9,070	-621	-780	365	20,483
April	11,328	442	11,770	5,917	17,687	1,157	1,050	8,247	9,665	-1,418	-620	630	19,727
May	11,287	447	11,734	5,961	17,695	1,206	1,087	8,348	9,379	-1,031	-207	675	19,840
June	11,382	419	11,800	6,008	17,809	1,246	1,111	8,625	9,798	-1,173	-718	723	20,433
July	11,403	432	11,834	6,189	18,023	1,228	1,100	8,744	9,675	-931	309	815	19,926
August	11,572	413	11,985	6,061	18,046	1,189	1,010	8,367	9,747	-1,380	-826	574	20,265
September	11,895	430	12,325	6,154	18,479	1,126	1,082	8,029	9,854	-1,825	-859	408	20,129
October	11,943	435	12,378	6,168	18,545	1,225	1,014	8,145	9,575	-1,430	-93	560	20,007
November	11,931	445	12,376	6,139	18,515	1,280	1,023	8,342	9,979	-1,637	-463	570	20,214
December	11,691	447	12,138	5,600	17,739	1,191	986	8,026	10,035	-2,009	-664	757	19,327
Average	11,473	437	11,911	5,933	17,844	1,203	1,032	8,329	9,520	-1,191	-542	581	20,010
2023 January	[E] 12,120	[E] 448	[E] 12,568	5,850	[E] 18,418	1,240	1,026	8,402	9,367	-964	1,048	477	19,149
February	[E] 12,086	[E] 446	[E] 12,532	5,961	[E] 18,494	1,240	957	8,892	9,736	-843	435	347	19,759
March	[E] 12,335	[E] 435	[E] 12,770	6,211	[E] 18,982	1,254	917	8,236	11,271	-3,035	-1,173	792	20,083
April	[E] 12,216	[E] 434	[E] 12,650	6,373	[E] 19,023	1,238	1,012	8,470	9,782	-1,312	241	315	20,037
May	[E] 12,264	[E] 430	[E] 12,694	6,376	[E] 19,070	1,296	944	8,552	9,652	-1,100	167	353	20,396
June	[E] 12,471	[E] 423	[E] 12,894	6,527	[E] 19,421	1,345	1,071	8,836	10,028	-1,192	-93	-24	20,716
July	[E] 12,528	[E] 397	[E] 12,925	6,445	[E] 19,371	1,313	1,076	8,270	10,029	-1,758	236	360	20,124
August	[E] 12,645	[E] 396	[E] 13,041	6,548	[E] 19,589	1,303	1,075	8,968	9,998	-1,030	-334	-390	20,881
September	[RE] 12,831	[E] 415	[RE] 13,247	6,753	[RE] 20,000	1,327	1,070	8,575	10,060	-1,485	871	[R] 51	20,092
October	[RE] 12,798	[E] 426	[RE] 13,224	6,770	[RE] 19,994	1,309	1,036	7,893	10,053	-2,160	-628	[R] -126	20,680
November	[RE] 12,880	[RE] 428	[RE] 13,308	[R] 6,764	[RE] 20,072	[R] 1,341	[R] 1,064	[R] 8,666	[R] 10,222	[R] -1,556	[R] 127	[R] -83	[R] 20,710
December	[E] 12,792	[E] 430	[E] 13,223	[E] 6,698	[E] 19,920	[E] 1,391	[E] 1,056	[E] 8,520	[E] 10,796	[E] -2,276	[E] -367	[E] 32	[E] 20,490
Average	[RE] **12,499**	[E] **426**	[RE] **12,925**	[RE] **6,442**	[RE] **19,367**	[E] **1,300**	[RE] **1,026**	[RE] **8,519**	[RE] **10,086**	[RE] **-1,567**	[RE] **38**	[RE] **175**	[RE] **20,262**
2024 January	[E] 12,566	[E] 427	[E] 12,994	[E] 6,203	[E] 19,197	[E] 1,268	[E] 998	[E] 8,181	[E] 10,387	[E] -2,206	[E] -782	[E] -149	[E] 19,890

[a] Crude oil production on leases, and natural gas processing plant production of natural gas liquids (ethane, propane, normal butane, isobutane, and natural gasoline). Through 1980, also includes natural gas processing plant production of finished petroleum products (aviation gasoline, distillate fuel oil, jet fuel, kerosene, motor gasoline, special naphthas, and miscellaneous products).

[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] Biofuels plant net production of fuel ethanol, biodiesel, renewable diesel fuel, other biofuels, natural gasoline, finished motor gasoline, and motor gasoline blending components. For 2009–2018, also includes oxygenates (excluding fuel ethanol).

[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, biofuels, 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).

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

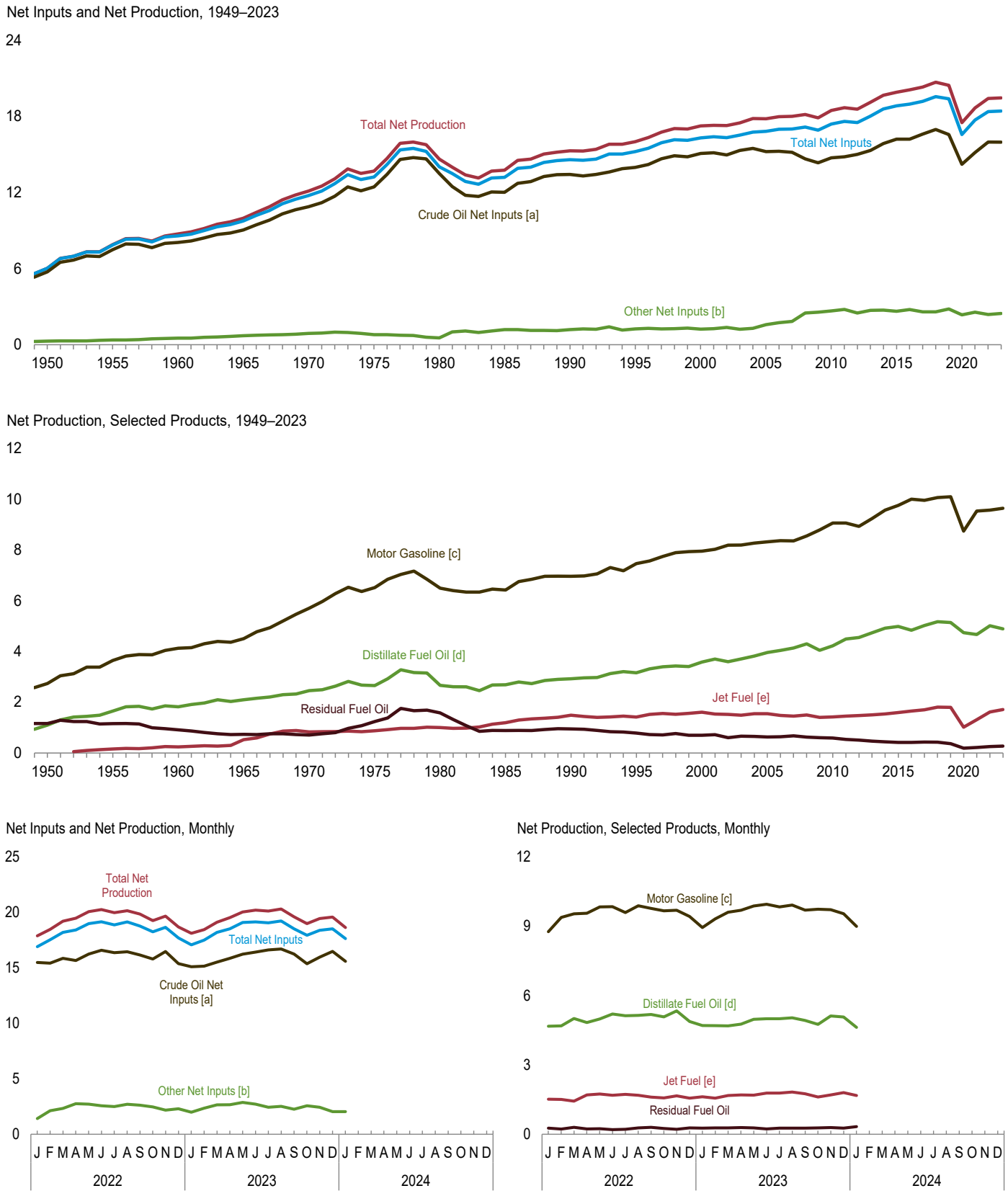
Notes: • Totals may not equal sum of components due to independent rounding. • Geographic coverage is the 50 states and the District of Columbia.

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)



[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 biodiesel and renewable diesel fuel 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]									
						Hydrocarbon Gas Liquids								
						Propane/Propylene								
	Crude Oil[c]	Natural Gas Liquids[d]	Other Liquids[e]	Total	Distillate Fuel Oil[f]	Propane	Propylene	Total[g]	Total[h]	Jet Fuel[i]	Motor Gasoline[j]	Residual Fuel Oil	Other Products[k]	Total
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
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 Average	16,187	536	2,238	18,961	4,834	307	280	587	632	1,650	9,995	418	2,550	20,079
2017 Average	16,590	566	2,031	19,187	5,024	307	285	592	628	1,702	9,954	427	2,563	20,298
2018 Average	16,969	575	2,011	19,555	5,168	301	293	594	634	1,806	10,061	425	2,599	20,693
2019 Average	16,563	571	2,237	19,371	5,137	288	282	570	606	1,796	10,095	361	2,444	20,439
2020 Average	14,212	508	1,846	16,566	4,738	264	264	528	546	1,018	8,742	188	2,257	17,489
2021 January	14,542	593	1,066	16,201	4,560	259	296	555	367	1,226	8,523	179	2,234	17,090
February	12,371	483	1,939	14,793	3,782	219	245	464	343	949	8,395	188	1,917	15,573
March	14,387	520	2,078	16,985	4,519	271	267	538	594	1,101	9,286	224	2,126	17,850
April	15,162	451	2,227	17,841	4,596	280	299	579	779	1,263	9,644	187	2,310	18,778
May	15,596	430	2,423	18,449	4,745	301	324	625	900	1,308	9,874	209	2,450	19,487
June	16,190	414	2,395	19,000	4,981	301	306	608	881	1,383	9,961	229	2,518	19,953
July	15,852	432	2,538	18,822	4,856	289	298	587	850	1,423	9,934	245	2,462	19,771
August	15,726	433	2,430	18,589	4,742	288	296	584	805	1,435	9,866	231	2,499	19,578
September	15,232	544	2,038	17,814	4,555	260	279	538	607	1,356	9,686	185	2,360	18,748
October	15,045	696	1,957	17,699	4,727	276	269	545	487	1,321	9,698	222	2,257	18,712
November	15,684	775	1,604	18,063	4,950	287	301	588	383	1,424	9,731	246	2,341	19,076
December	15,757	806	1,437	18,000	4,926	294	305	599	388	1,512	9,666	210	2,389	19,092
Average	**15,147**	**549**	**2,011**	**17,706**	**4,668**	**278**	**291**	**568**	**617**	**1,311**	**9,529**	**213**	**2,325**	**18,662**
2022 January	15,468	653	764	16,885	4,670	271	279	550	382	1,517	8,758	270	2,276	17,873
February	15,397	593	1,528	17,518	4,682	272	276	547	454	1,504	9,373	228	2,202	18,442
March	15,847	532	1,805	18,183	5,004	275	284	559	631	1,436	9,525	301	2,290	19,187
April	15,648	470	2,285	18,402	4,835	298	285	583	810	1,699	9,547	232	2,329	19,452
May	16,239	453	2,272	18,963	4,988	289	286	576	849	1,741	9,825	245	2,401	20,050
June	16,571	439	2,120	19,130	5,197	296	273	569	861	1,686	9,834	205	2,457	20,241
July	16,358	474	2,023	18,854	5,124	292	276	568	847	1,724	9,580	217	2,463	19,955
August	16,428	487	2,205	19,119	5,142	294	263	557	800	1,683	9,872	274	2,357	20,130
September	16,141	607	2,001	18,750	5,183	283	252	535	611	1,601	9,760	296	2,381	19,832
October	15,776	650	1,807	18,232	5,077	274	224	498	404	1,568	9,654	253	2,290	19,246
November	16,450	738	1,436	18,624	5,338	288	234	522	338	1,659	9,682	219	2,411	19,647
December	15,377	725	1,576	17,678	4,873	262	229	492	337	1,562	9,415	272	2,204	18,664
Average	**15,977**	**568**	**1,819**	**18,364**	**5,011**	**283**	**263**	**546**	**611**	**1,615**	**9,569**	**251**	**2,339**	**19,397**
2023 January	15,086	743	1,239	17,068	4,703	266	233	499	352	1,623	8,934	262	2,220	18,094
February	15,128	686	1,665	17,479	4,696	269	226	495	409	1,566	9,306	276	2,183	18,435
March	15,513	555	2,102	18,170	4,685	279	247	526	633	1,679	9,600	276	2,213	19,087
April	15,840	498	2,161	18,498	4,757	286	261	547	806	1,702	9,681	287	2,279	19,511
May	16,207	475	2,393	19,075	4,966	288	256	544	843	1,691	9,869	278	2,373	20,019
June	16,395	501	2,221	19,117	4,996	284	252	535	846	1,780	9,944	230	2,393	20,188
July	16,598	469	1,967	19,033	4,994	290	255	544	810	1,780	9,826	264	2,435	20,109
August	16,689	521	1,997	19,208	5,037	288	255	542	826	1,824	9,907	269	2,419	20,282
September	16,239	680	1,584	18,503	4,923	274	245	520	613	1,750	9,691	263	2,333	19,574
October	15,357	747	1,825	17,929	4,747	272	231	503	415	1,612	9,728	271	2,193	18,965
November	R 15,937	R 794	R 1,635	R 18,366	R 5,118	R 262	R 273	R 535	R 333	R 1,700	R 9,703	R 291	R 2,286	R 19,430
December	E 16,464	F 703	RE 1,334	RF 18,501	E 5,063	NA	NA	RE 523	F 267	E 1,802	E 9,536	E 265	RE 2,624	RE 19,558
Average	RE **15,960**	RE **614**	RE **1,844**	RE **18,418**	RE **4,891**	**NA**	**NA**	RE **526**	RE **597**	RE **1,710**	RE **9,645**	RE **269**	RE **2,330**	RE **19,443**
2024 January	E 15,566	F 631	E 1,415	F 17,612	E 4,623	NA	NA	E 464	F 354	E 1,678	E 8,982	E 331	E 2,642	E 18,610

[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). Beginning in 1981, also includes aviation gasoline blending components (net) and motor gasoline blending components (net). Beginning in 1993, also includes fuel ethanol. Beginning in 2009, also includes biofuels (excluding fuel ethanol), hydrogen, and other hydrocarbons. For 2009–2018, also includes oxygenates (excluding fuel ethanol).
[f] Beginning in 2009, includes biodiesel and renewable diesel fuel blended into distillate fuel oil. Beginning in 2021, also includes renewable heating oil 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.

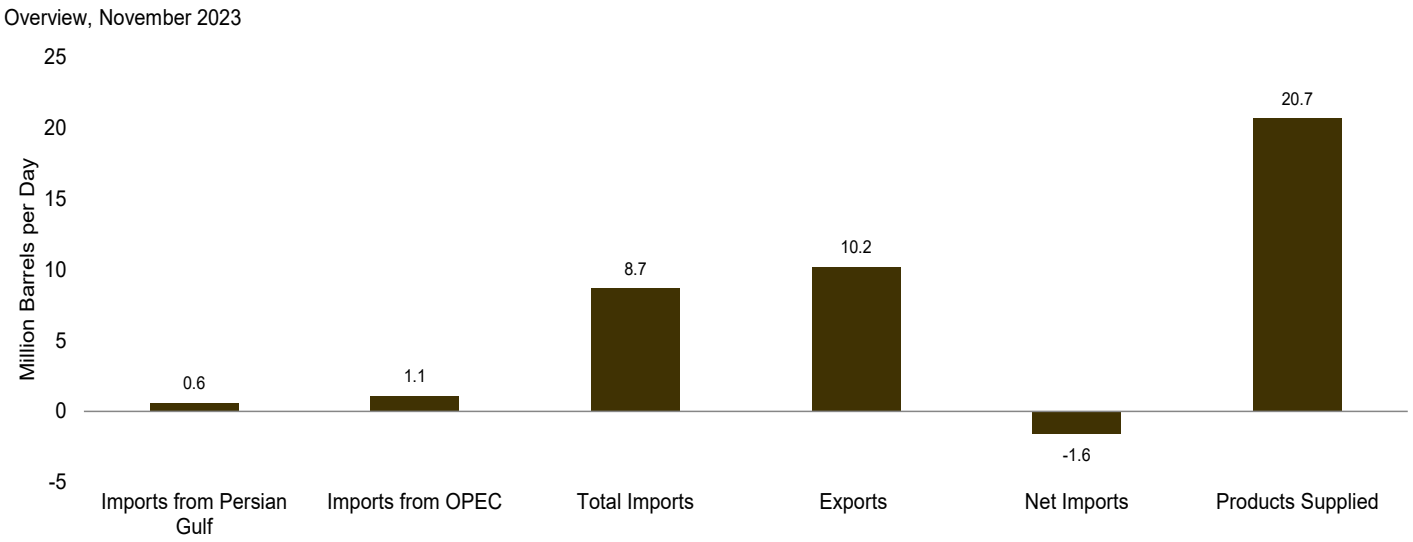
R=Revised. E=Estimate. F=Forecast. NA=Not available.

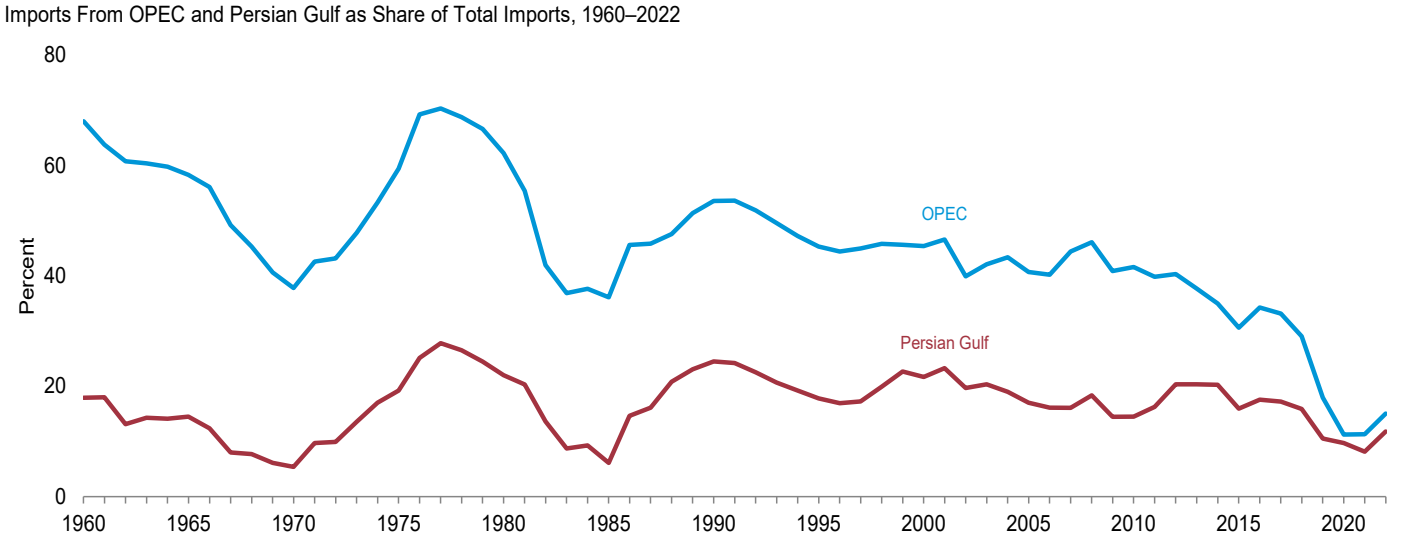
Notes: • Totals may not equal sum of components due to independent rounding. • Geographic coverage is the 50 states and the District of Columbia.

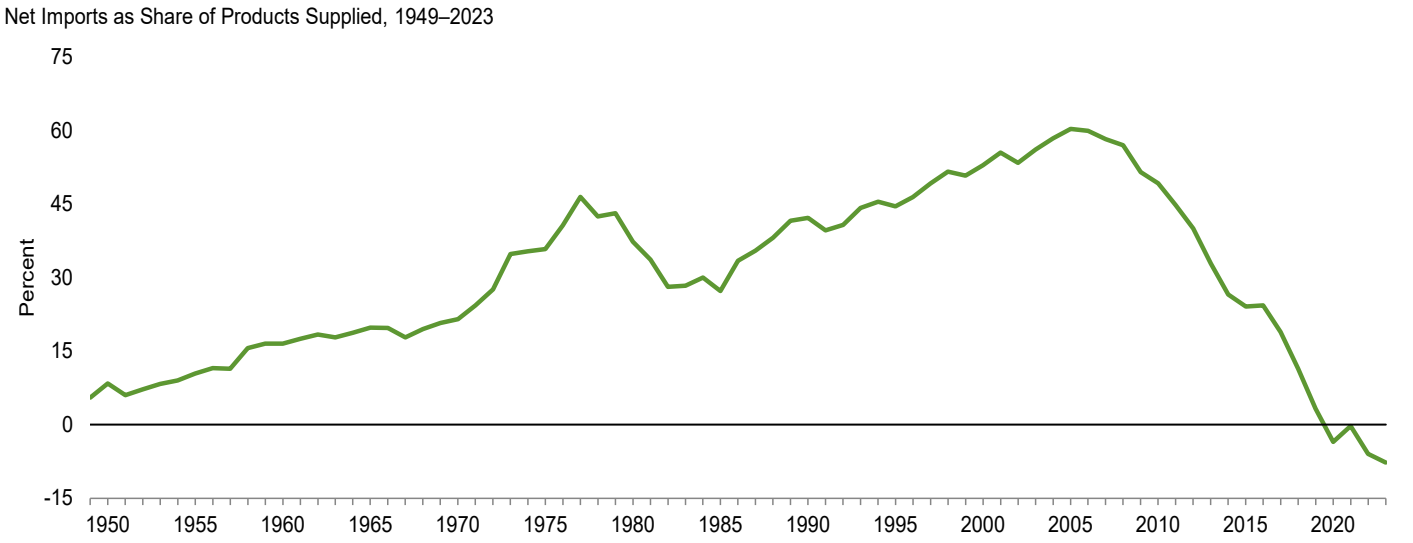
Web Page: See http://www.eia.gov/totalenergy/data/monthly/#petroleum (Excel and CSV files) for all available annual data beginning in 1949 and monthly data beginning in 1973.

Sources: See end of section.

Figure 3.3a Petroleum Trade: Overview







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: Imports From Persian Gulf[a]	As Share of Products Supplied: Imports From OPEC[b]	As Share of Products Supplied: Imports	As Share of Products Supplied: Net Imports	As Share of Total Imports: Imports From Persian Gulf[a]	As Share of Total Imports: Imports From OPEC[b]
	Thousand Barrels per Day						Percent					
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**
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**	**19,178**	**8.9**	**25.6**	**61.5**	**49.2**	**14.5**	**41.6**
2011 Average	**1,861**	**4,555**	**11,436**	**2,986**	**8,450**	**18,896**	**9.9**	**24.1**	**60.5**	**44.7**	**16.3**	**39.8**
2012 Average	**2,156**	**4,271**	**10,598**	**3,205**	**7,393**	**18,482**	**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**	**19,532**	**7.7**	**14.8**	**48.4**	**24.1**	**15.9**	**30.6**
2016 Average	**1,766**	**3,446**	**10,055**	**5,261**	**4,795**	**19,692**	**9.0**	**17.5**	**51.1**	**24.3**	**17.6**	**34.3**
2017 Average	**1,746**	**3,366**	**10,144**	**6,376**	**3,768**	**19,952**	**8.8**	**16.9**	**50.8**	**18.9**	**17.2**	**33.2**
2018 Average	**1,578**	**2,888**	**9,943**	**7,601**	**2,341**	**20,512**	**7.7**	**14.1**	**48.5**	**11.4**	**15.9**	**29.0**
2019 Average	**963**	**1,639**	**9,141**	**8,471**	**670**	**20,543**	**4.7**	**8.0**	**44.5**	**3.3**	**10.5**	**17.9**
2020 Average	**766**	**886**	**7,863**	**8,498**	**-635**	**18,186**	**4.2**	**4.9**	**43.2**	**-3.5**	**9.7**	**11.3**
2021 January	380	603	7,918	8,419	-501	18,814	2.0	3.2	42.1	-2.7	4.8	7.6
February	465	724	7,648	7,291	357	17,699	2.6	4.1	43.2	2.0	6.1	9.5
March	598	828	8,327	7,896	431	19,132	3.1	4.3	43.5	2.3	7.2	9.9
April	636	942	8,268	8,709	-441	19,744	3.2	4.8	41.9	-2.2	7.7	11.4
May	635	916	8,558	8,460	98	20,050	3.2	4.6	42.7	0.5	7.4	10.7
June	844	1,176	9,308	9,365	-56	20,586	4.1	5.7	45.2	-0.3	9.1	12.6
July	840	1,160	8,801	8,434	368	20,172	4.2	5.8	43.6	1.8	9.5	13.2
August	751	1,082	8,714	8,867	-153	20,573	3.7	5.3	42.4	-0.7	8.6	12.4
September	740	987	8,934	7,772	1,162	20,139	3.7	4.9	44.4	5.8	8.3	11.0
October	720	975	8,136	8,226	-90	20,377	3.5	4.8	39.9	-0.4	8.9	12.0
November	808	1,046	8,475	9,185	-710	20,573	3.9	5.1	41.2	-3.5	9.5	12.3
December	860	1,062	8,553	9,714	-1,161	20,657	4.2	5.1	41.4	-5.6	10.1	12.4
Average	**691**	**959**	**8,474**	**8,536**	**-62**	**19,890**	**3.5**	**4.8**	**42.6**	**-0.3**	**8.2**	**11.3**
2022 January	985	1,096	8,177	8,690	-513	19,613	5.0	5.6	41.7	-2.6	12.0	13.4
February	810	1,099	8,457	8,735	-278	20,190	4.0	5.4	41.9	-1.4	9.6	13.0
March	808	978	8,449	9,070	-621	20,483	3.9	4.8	41.2	-3.0	9.6	11.6
April	1,007	1,238	8,247	9,665	-1,418	19,727	5.1	6.3	41.8	-7.2	12.2	15.0
May	1,005	1,334	8,348	9,379	-1,031	19,840	5.1	6.7	42.1	-5.2	12.0	16.0
June	1,209	1,554	8,625	9,798	-1,173	20,433	5.9	7.6	42.2	-5.7	14.0	18.0
July	1,228	1,503	8,744	9,675	-931	19,926	6.2	7.5	43.9	-4.7	14.0	17.2
August	882	1,233	8,367	9,747	-1,380	20,265	4.4	6.1	41.3	-6.8	10.5	14.7
September	863	1,123	8,029	9,854	-1,825	20,129	4.3	5.6	39.9	-9.1	10.8	14.0
October	892	1,206	8,145	9,575	-1,430	20,007	4.5	6.0	40.7	-7.1	10.9	14.8
November	1,046	1,384	8,342	9,979	-1,637	20,214	5.2	6.8	41.3	-8.1	12.5	16.6
December	1,026	1,290	8,026	10,035	-2,009	19,327	5.3	6.7	41.5	-10.4	12.8	16.1
Average	**981**	**1,254**	**8,329**	**9,520**	**-1,191**	**20,010**	**4.9**	**6.3**	**41.6**	**-6.0**	**11.8**	**15.1**
2023 January	956	1,267	8,402	9,367	-964	19,149	5.0	6.6	43.9	-5.0	11.4	15.1
February	1,047	1,391	8,892	9,736	-843	19,759	5.3	7.0	45.0	-4.3	11.8	15.6
March	952	1,404	8,236	11,271	-3,035	20,083	4.7	7.0	41.0	-15.1	11.6	17.1
April	956	1,569	8,470	9,782	-1,312	20,037	4.8	7.8	42.3	-6.5	11.3	18.5
May	764	1,311	8,552	9,652	-1,100	20,396	3.7	6.4	41.9	-5.4	8.9	15.3
June	883	1,391	8,836	10,028	-1,192	20,716	4.3	6.7	42.7	-5.8	10.0	15.7
July	886	1,383	8,270	10,029	-1,758	20,124	4.4	6.9	41.1	-8.7	10.7	16.7
August	884	1,466	8,968	9,998	-1,030	20,881	4.2	7.0	42.9	-4.9	9.9	16.3
September	964	1,493	8,575	10,060	-1,485	20,092	4.8	7.4	42.7	-7.4	11.2	17.4
October	712	1,174	7,893	10,053	-2,160	20,680	3.4	5.7	38.2	-10.4	9.0	14.9
November	R 599	R 1,053	R 8,666	R 10,222	R -1,556	R 20,710	R 2.9	R 5.1	R 41.8	R -7.5	R 6.9	R 12.2
December	NA	NA	E 8,520	E 10,796	E -2,276	E 20,490	NA	NA	E 41.6	E -11.1	NA	NA
Average	**NA**	**NA**	**RE 8,519**	**RE 10,086**	**RE -1,567**	**RE 20,262**	**NA**	**NA**	**E 42.0**	**RE -7.7**	**NA**	**NA**
2024 January	NA	NA	E 8,181	E 10,387	E -2,206	E 19,890	NA	NA	E 41.1	E -11.1	NA	NA

[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.

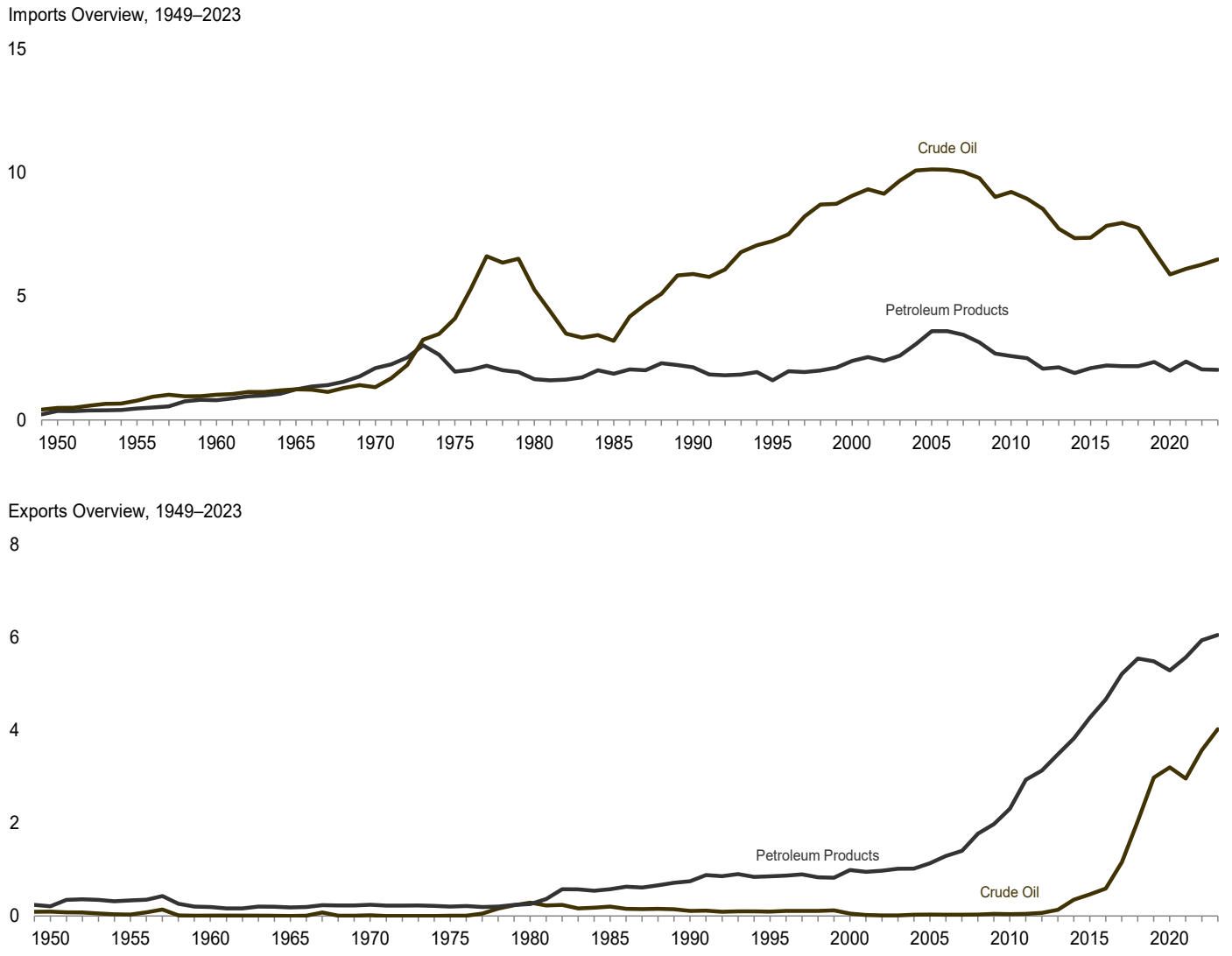
Notes: • For the feature article "Measuring Dependence on Imported Oil," published in the August 1995 *Monthly Energy Review*, see http://www.eia.gov/totalenergy/data/monthly/pdf/historical/imported_oil.pdf. • Beginning in October 1977, data include Strategic Petroleum Reserve imports. See Table 3.3b. • 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. • **1981–2022:** EIA, *Petroleum Supply Annual,* annual reports, and unpublished revisions. • **2023 and 2024:** 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)



[a] Includes fuel ethanol blended into motor gasoline.
[b] Includes biodiesel and renewable diesel fuel 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
				Propane/Propylene								
	SPR[b]	Total		Propane	Propylene	Total[c]	Total[d]					
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
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 Average	–	7,850	147	120	22	142	180	147	59	205	1,468	10,055
2017 Average	–	7,969	151	133	23	156	196	160	32	189	1,448	10,144
2018 Average	–	7,768	175	139	18	157	197	124	45	211	1,422	9,943
2019 Average	–	6,801	202	133	16	149	207	164	94	149	1,525	9,141
2020 Average	–	5,875	218	113	13	126	160	150	106	166	1,188	7,863
2021 January	–	5,787	371	167	16	183	235	124	40	205	1,157	7,918
February	–	5,589	353	166	16	182	242	113	62	155	1,135	7,648
March	–	5,819	470	164	16	180	223	93	119	147	1,455	8,327
April	–	5,819	198	120	14	134	170	141	175	156	1,610	8,268
May	–	5,828	272	72	14	86	126	188	183	148	1,814	8,558
June	–	6,607	240	69	14	84	133	179	107	227	1,815	9,308
July	–	6,398	165	74	14	88	131	139	192	162	1,614	8,801
August	–	6,236	257	76	12	88	133	224	111	201	1,551	8,714
September	–	6,525	224	78	13	91	137	222	147	190	1,489	8,934
October	–	5,971	291	101	11	112	160	218	69	212	1,215	8,136
November	–	6,334	330	126	17	143	182	113	32	222	1,262	8,475
December	–	6,429	292	157	14	171	211	143	54	209	1,216	8,553
Average	–	**6,114**	**288**	**114**	**14**	**128**	**173**	**158**	**108**	**186**	**1,446**	**8,474**
2022 January	–	6,397	242	168	13	182	224	128	70	166	951	8,177
February	–	6,160	399	188	14	202	243	109	47	258	1,241	8,457
March	–	6,417	189	130	17	146	195	124	60	193	1,270	8,449
April	–	6,060	129	92	15	107	155	123	113	188	1,481	8,247
May	–	6,164	180	74	14	88	138	124	144	205	1,394	8,348
June	–	6,474	117	76	12	88	125	127	142	232	1,409	8,625
July	–	6,597	170	86	14	100	139	139	130	161	1,408	8,744
August	–	6,333	176	87	14	101	163	85	94	192	1,324	8,367
September	–	6,269	127	91	8	99	148	81	121	196	1,087	8,029
October	–	6,239	106	119	6	125	175	131	79	204	1,211	8,145
November	–	6,253	228	133	11	143	195	144	99	250	1,173	8,342
December	–	5,999	211	138	14	152	195	121	98	184	1,217	8,026
Average	–	**6,281**	**188**	**115**	**13**	**127**	**174**	**120**	**100**	**202**	**1,264**	**8,329**
2023 January	–	6,277	274	164	16	180	227	115	108	165	1,236	8,402
February	–	6,596	300	174	15	188	231	188	76	202	1,299	8,892
March	–	6,295	155	138	14	153	203	145	94	110	1,234	8,236
April	–	6,194	156	79	14	93	137	138	151	92	1,602	8,470
May	–	6,470	168	66	16	82	129	153	200	87	1,346	8,552
June	–	6,494	138	71	15	86	130	144	140	103	1,687	8,836
July	–	6,287	120	70	15	84	132	128	97	77	1,430	8,270
August	–	7,019	133	82	16	99	145	94	84	72	1,420	8,968
September	–	6,640	119	83	15	98	147	109	151	125	1,283	8,575
October	–	6,135	106	94	12	107	151	102	78	104	R 1,217	7,893
November	–	R 6,935	R 129	R 123	R 12	R 136	R 183	R 88	R 127	R 91	R 1,113	R 8,666
December	–	E 6,574	E 221	NA	NA	E 126	NA	E 124	E 79	E 96	NA	E 8,520
Average	–	RE **6,491**	RE **168**	**NA**	**NA**	RE **119**	**NA**	RE **127**	RE **115**	RE **110**	**NA**	RE **8,519**
2024 January	–	E 6,343	E 162	NA	NA	E 131	NA	E 91	E 50	E 116	NA	E 8,181

[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. Beginning in 1981, also includes motor gasoline blending components. Beginning in 1993, also includes fuel ethanol. Beginning in 2005, also includes naphtha-type jet fuel. Beginning in 2009, also includes biofuels (excluding fuel ethanol) and other hydrocarbons. For 2011–2018, also includes oxygenates (excluding fuel ethanol).
[g] Asphalt and road oil, aviation gasoline blending components, kerosene, lubricants, petrochemical feedstocks, petroleum coke, unfinished oils, waxes, and miscellaneous products. Through 1964, also includes kerosene-type jet fuel. Beginning in 1964, also includes finished aviation gasoline and special naphthas.

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. • **1981–2022:** EIA, *Petroleum Supply Annual,* annual reports, and unpublished revisions. • **2023 and 2024:** 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]	Iraq	Kuwait[c]	Libya[d]	Nigeria[e]	Saudi Arabia[c]	United Arab Emirates	Vene-zuela	Other[f]	Total OPEC
1960 Average	([a])	([b])	**22**	**182**	([d])	([e])	**84**	**NA**	**911**	**34**	**1,233**
1965 Average	([a])	([b])	**16**	**74**	**42**	([e])	**158**	**14**	**994**	**142**	**1,439**
1970 Average	**8**	([b])	**–**	**48**	**47**	([e])	**30**	**63**	**989**	**109**	**1,294**
1975 Average	**282**	([b])	**2**	**16**	**232**	**762**	**715**	**117**	**702**	**773**	**3,601**
1980 Average	**488**	([b])	**28**	**27**	**554**	**857**	**1,261**	**172**	**481**	**432**	**4,300**
1985 Average	**187**	([b])	**46**	**21**	**4**	**293**	**168**	**45**	**605**	**461**	**1,830**
1990 Average	**280**	([b])	**518**	**86**	**–**	**800**	**1,339**	**17**	**1,025**	**231**	**4,296**
1995 Average	**234**	([b])	**–**	**218**	**–**	**627**	**1,344**	**10**	**1,480**	**88**	**4,002**
2000 Average	**225**	([b])	**620**	**272**	**–**	**896**	**1,572**	**15**	**1,546**	**57**	**5,203**
2005 Average	**478**	([b])	**531**	**243**	**56**	**1,166**	**1,537**	**18**	**1,529**	**28**	**5,587**
2006 Average	**657**	([b])	**553**	**185**	**87**	**1,114**	**1,463**	**9**	**1,419**	**29**	**5,517**
2007 Average	**670**	**508**	**484**	**181**	**117**	**1,134**	**1,485**	**10**	**1,361**	**29**	**5,980**
2008 Average	**548**	**513**	**627**	**210**	**103**	**988**	**1,529**	**4**	**1,189**	**243**	**5,954**
2009 Average	**493**	**460**	**450**	**182**	**79**	**809**	**1,004**	**40**	**1,063**	**195**	**4,776**
2010 Average	**510**	**393**	**415**	**197**	**70**	**1,023**	**1,096**	**2**	**988**	**212**	**4,906**
2011 Average	**358**	**346**	**459**	**191**	**15**	**818**	**1,195**	**10**	**951**	**212**	**4,555**
2012 Average	**242**	**233**	**476**	**305**	**61**	**441**	**1,365**	**3**	**960**	**186**	**4,271**
2013 Average	**115**	**216**	**341**	**328**	**59**	**281**	**1,329**	**3**	**806**	**243**	**3,720**
2014 Average	**110**	**154**	**369**	**311**	**6**	**92**	**1,166**	**13**	**789**	**224**	**3,237**
2015 Average	**108**	**136**	**229**	**204**	**7**	**81**	**1,059**	**4**	**827**	**239**	**2,894**
2016 Average	**182**	**168**	**424**	**210**	**16**	**235**	**1,106**	**14**	**796**	**295**	**3,446**
2017 Average	**189**	**135**	**604**	**145**	**65**	**334**	**955**	**34**	**674**	**231**	**3,366**
2018 Average	**176**	**94**	**521**	**79**	**56**	**189**	**901**	**58**	**586**	**227**	**2,888**
2019 Average	**78**	**38**	**341**	**45**	**63**	**193**	**530**	**27**	**92**	**231**	**1,639**
2020 Average	**15**	**31**	**176**	**28**	**9**	**75**	**522**	**19**	**–**	**11**	**886**
2021 January	24	40	89	–	33	145	237	33	–	(s)	603
February	60	15	140	29	122	78	268	10	–	3	724
March	57	62	135	–	21	123	351	10	–	69	828
April	68	21	175	66	123	119	331	37	–	2	942
May	19	42	178	14	118	123	395	25	–	2	916
June	33	25	180	32	105	203	577	21	–	–	1,176
July	38	47	237	37	95	150	452	96	–	8	1,160
August	27	65	131	46	114	140	471	81	–	8	1,082
September	22	29	40	51	96	132	547	71	–	–	987
October	39	24	185	47	128	87	419	46	–	–	975
November	52	57	165	43	83	87	555	3	–	–	1,046
December	39	2	223	34	55	110	550	38	–	10	1,062
Average	**40**	**36**	**157**	**33**	**91**	**125**	**430**	**40**	**–**	**9**	**959**
2022 January	–	69	261	58	76	29	553	34	–	17	1,096
February	29	75	235	14	79	127	518	14	–	9	1,099
March	29	33	204	22	97	49	536	8	–	–	978
April	38	25	269	54	82	95	537	135	–	5	1,238
May	96	33	303	65	54	169	595	19	–	1	1,334
June	74	46	335	50	83	156	802	9	–	2	1,554
July	106	44	536	23	54	103	553	83	–	2	1,503
August	53	50	306	25	68	163	483	52	–	34	1,233
September	47	72	282	–	62	61	500	67	–	32	1,123
October	59	76	295	77	121	52	480	17	–	30	1,206
November	133	32	380	59	76	131	553	14	–	8	1,384
December	43	15	326	61	93	134	605	13	–	–	1,290
Average	**59**	**47**	**311**	**42**	**79**	**105**	**559**	**39**	**–**	**12**	**1,254**
2023 January	41	(s)	370	31	60	194	497	23	40	11	1,267
February	61	18	435	67	56	168	512	4	58	12	1,391
March	31	35	368	25	56	205	483	54	109	38	1,404
April	97	73	365	26	87	232	526	15	140	7	1,569
May	87	53	304	40	75	161	356	48	185	2	1,311
June	78	48	311	60	112	154	485	17	126	2	1,391
July	98	45	303	48	20	164	514	6	153	32	1,383
August	91	61	320	65	92	202	458	15	145	17	1,466
September	115	68	328	47	55	112	469	71	163	65	1,493
October	68	41	294	10	141	48	307	49	166	50	1,174
November	48	10	178	37	95	160	318	39	147	18	1,053
11-Month Average	**74**	**41**	**324**	**41**	**77**	**164**	**447**	**31**	**131**	**23**	**1,354**
2022 11-Month Average	**60**	**50**	**310**	**41**	**77**	**103**	**555**	**41**	**–**	**13**	**1,250**
2021 11-Month Average	**40**	**39**	**151**	**33**	**94**	**127**	**419**	**40**	**–**	**8**	**950**

[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] 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.

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

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

[f] Includes these countries for the dates indicated: Congo-Brazzaville (June 2018 forward), Ecuador (1973–1992 and November 2007–2019), Equatorial Guinea (May 2017 forward), Gabon (1975–1994 and July 2016 forward), Indonesia (1962–2008 and January–November 2016), Iran (1960 forward), and Qatar (1961–2018).

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 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. • **1981–2022:** EIA, *Petroleum Supply Annual,* annual reports. • **2023:** EIA, *Petroleum Supply Monthly,* monthly reports.

Table 3.3d Petroleum Trade: Imports From Non-OPEC Countries

(Thousand Barrels per Day)

	Brazil	Canada	Colombia	Ecuador[a]	Mexico	Nether-lands	Norway	Russia[b]	United Kingdom	U.S. Virgin Islands	Other	Total Non-OPEC
1960 Average	**1**	**120**	**42**	**NA**	**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**	**(a)**	**71**	**19**	**17**	**14**	**14**	**406**	**1,052**	**2,454**
1980 Average	**3**	**455**	**4**	**(a)**	**533**	**2**	**144**	**1**	**176**	**388**	**903**	**2,609**
1985 Average	**61**	**770**	**23**	**(a)**	**816**	**58**	**32**	**8**	**310**	**247**	**913**	**3,237**
1990 Average	**49**	**934**	**182**	**(a)**	**755**	**55**	**102**	**45**	**189**	**282**	**1,128**	**3,721**
1995 Average	**8**	**1,332**	**219**	**97**	**1,068**	**15**	**273**	**25**	**383**	**278**	**1,136**	**4,833**
2000 Average	**51**	**1,807**	**342**	**128**	**1,373**	**30**	**343**	**72**	**366**	**291**	**1,453**	**6,257**
2005 Average	**156**	**2,181**	**196**	**283**	**1,662**	**151**	**233**	**410**	**396**	**328**	**2,130**	**8,127**
2006 Average	**193**	**2,353**	**155**	**278**	**1,705**	**174**	**196**	**369**	**272**	**328**	**2,168**	**8,190**
2007 Average	**200**	**2,455**	**155**	**203**	**1,532**	**128**	**142**	**414**	**277**	**346**	**1,636**	**7,489**
2008 Average	**258**	**2,493**	**200**	**(a)**	**1,302**	**168**	**102**	**465**	**236**	**320**	**1,416**	**6,961**
2009 Average	**309**	**2,479**	**276**	**(a)**	**1,210**	**140**	**108**	**563**	**245**	**277**	**1,307**	**6,915**
2010 Average	**272**	**2,535**	**365**	**(a)**	**1,284**	**108**	**89**	**612**	**256**	**253**	**1,112**	**6,887**
2011 Average	**253**	**2,729**	**433**	**(a)**	**1,206**	**100**	**113**	**624**	**159**	**186**	**1,077**	**6,881**
2012 Average	**226**	**2,946**	**433**	**(a)**	**1,035**	**99**	**75**	**477**	**149**	**12**	**874**	**6,327**
2013 Average	**151**	**3,142**	**389**	**(a)**	**919**	**89**	**54**	**460**	**147**	**–**	**786**	**6,138**
2014 Average	**160**	**3,388**	**318**	**(a)**	**842**	**85**	**45**	**330**	**117**	**–**	**720**	**6,004**
2015 Average	**215**	**3,765**	**395**	**(a)**	**758**	**57**	**61**	**371**	**123**	**–**	**811**	**6,554**
2016 Average	**167**	**3,780**	**483**	**(a)**	**669**	**60**	**76**	**441**	**122**	**(s)**	**812**	**6,610**
2017 Average	**224**	**4,054**	**362**	**(a)**	**682**	**62**	**79**	**389**	**111**	**–**	**814**	**6,778**
2018 Average	**171**	**4,292**	**333**	**(a)**	**719**	**62**	**94**	**375**	**146**	**–**	**862**	**7,055**
2019 Average	**193**	**4,432**	**373**	**(a)**	**650**	**113**	**91**	**520**	**146**	**–**	**984**	**7,502**
2020 Average	**126**	**4,125**	**284**	**186**	**751**	**82**	**29**	**540**	**85**	**1**	**770**	**6,977**
2021 January	121	4,471	205	164	747	75	31	649	42	42	767	7,316
February	56	4,308	272	134	613	77	56	453	74	34	847	6,924
March	83	4,512	167	142	568	192	92	749	119	67	807	7,498
April	77	4,046	223	251	708	189	56	688	68	26	996	7,327
May	96	4,046	235	196	728	154	98	844	88	59	1,099	7,643
June	157	4,591	197	153	788	161	67	850	154	25	989	8,132
July	220	4,181	157	120	851	143	94	761	121	7	985	7,641
August	177	4,236	198	198	715	132	59	795	127	4	992	7,632
September	260	4,277	141	165	814	174	74	632	113	(s)	1,297	7,947
October	188	4,105	205	144	650	64	75	635	129	(s)	966	7,162
November	175	4,537	217	127	700	83	62	595	80	2	852	7,429
December	101	4,775	228	219	645	71	96	405	126	–	826	7,491
Average	**143**	**4,340**	**203**	**168**	**711**	**126**	**72**	**673**	**104**	**22**	**952**	**7,514**
2022 January	110	4,576	200	100	758	69	48	283	81	–	856	7,081
February	175	4,485	240	130	778	113	43	586	76	–	731	7,357
March	166	4,614	257	144	832	81	19	575	51	–	731	7,471
April	139	4,222	261	132	788	59	54	360	70	–	924	7,009
May	150	4,214	308	212	938	113	38	–	128	–	913	7,014
June	205	4,290	240	182	813	119	42	–	142	–	1,036	7,071
July	262	4,389	298	141	897	85	44	–	94	–	1,031	7,241
August	208	4,412	233	186	802	65	30	–	106	–	1,094	7,135
September	223	4,429	173	272	794	104	48	–	122	–	744	6,906
October	248	4,249	252	151	867	50	36	–	163	–	924	6,939
November	238	4,324	223	197	657	85	33	–	119	–	1,081	6,958
December	189	4,183	218	178	762	56	56	–	118	–	976	6,736
Average	**193**	**4,365**	**242**	**169**	**808**	**83**	**41**	**147**	**106**	**–**	**921**	**7,075**
2023 January	126	4,514	204	176	896	66	31	–	110	–	1,011	7,135
February	184	4,698	220	146	957	114	23	–	118	–	1,041	7,501
March	192	4,424	219	111	933	63	(s)	–	56	–	832	6,831
April	155	4,140	204	140	813	117	84	–	107	–	1,142	6,901
May	157	4,523	241	191	913	107	65	–	78	–	968	7,242
June	302	4,330	213	88	1,030	123	53	–	140	–	1,166	7,445
July	245	4,110	214	192	948	137	46	–	100	–	895	6,888
August	273	4,588	291	231	867	114	42	–	48	–	1,047	7,503
September	419	4,232	253	100	908	48	38	–	109	–	974	7,081
October	287	4,249	193	83	871	51	32	–	82	–	871	6,719
November	346	4,820	289	117	870	51	32	[c] (s)	96	–	992	7,613
11-Month Average	**244**	**4,419**	**231**	**144**	**909**	**90**	**41**	**(s)**	**95**	**–**	**993**	**7,165**
2022 11-Month Average	**193**	**4,382**	**244**	**168**	**812**	**85**	**39**	**161**	**105**	**–**	**916**	**7,107**
2021 11-Month Average	**147**	**4,300**	**201**	**163**	**717**	**132**	**70**	**698**	**102**	**24**	**964**	**7,517**

[a] Ecuador was a member of OPEC from 1973–1992 and November 2007–2019. For those time periods, Ecuador is included in "Total OPEC" on Table 3.3c.

[b] 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.

[c] A small amount of Russian crude oil entered the United States in November 2023 from the Bahamas. The oil originated in Russia and was exported to the Bahamas prior to the signing of Executive Order 14066 on March 8, 2022.

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. • **1981–2022:** EIA, *Petroleum Supply Annual,* annual reports. • **2023:** 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**
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 Average	**591**	**1,179**	**799**	**1,211**	**175**	**635**	**298**	**1,171**	**5,261**
2017 Average	**1,158**	**1,381**	**914**	**1,404**	**184**	**749**	**308**	**1,192**	**6,376**
2018 Average	**2,048**	**1,289**	**949**	**1,602**	**223**	**879**	**321**	**1,240**	**7,601**
2019 Average	**2,982**	**1,306**	**1,098**	**1,830**	**220**	**815**	**229**	**1,090**	**8,471**
2020 Average	**3,206**	**1,187**	**1,262**	**2,081**	**96**	**722**	**148**	**1,058**	**8,498**
2021 January	3,173	902	1,384	2,261	92	753	72	1,167	8,419
February	2,566	882	1,143	2,004	68	628	115	1,028	7,291
March	2,808	846	1,239	2,269	73	741	107	1,052	7,896
April	3,175	1,041	1,435	2,424	65	700	174	1,131	8,709
May	2,834	1,040	1,256	2,340	110	882	88	1,166	8,460
June	3,414	1,257	1,391	2,428	93	795	127	1,251	9,365
July	2,704	1,281	1,244	2,182	91	857	125	1,193	8,434
August	2,992	1,160	1,365	2,458	139	846	74	1,197	8,867
September	2,534	932	1,315	2,218	109	775	102	1,101	7,772
October	2,779	1,028	1,237	2,229	126	833	46	1,185	8,226
November	3,137	1,127	1,502	2,499	149	934	86	1,254	9,185
December	3,413	1,321	1,402	2,377	170	1,033	56	1,344	9,714
Average	**2,963**	**1,069**	**1,327**	**2,309**	**107**	**816**	**97**	**1,173**	**8,536**
2022 January	3,354	937	1,409	2,267	136	731	89	1,176	8,690
February	3,244	883	1,352	2,269	150	789	124	1,275	8,735
March	3,196	1,202	1,352	2,328	178	729	126	1,312	9,070
April	3,505	1,267	1,421	2,421	205	833	118	1,316	9,665
May	3,306	1,182	1,372	2,449	156	898	130	1,259	9,379
June	3,454	1,210	1,527	2,643	193	909	127	1,262	9,798
July	3,680	1,532	1,351	2,339	200	763	68	1,093	9,675
August	3,564	1,361	1,461	2,478	206	940	109	1,088	9,747
September	3,716	1,309	1,299	2,381	212	1,028	68	1,141	9,854
October	4,002	1,021	1,439	2,402	143	849	95	1,063	9,575
November	4,105	1,169	1,330	2,372	173	998	132	1,029	9,979
December	3,771	1,346	1,470	2,556	180	941	139	1,102	10,035
Average	**3,576**	**1,204**	**1,399**	**2,409**	**178**	**867**	**110**	**1,175**	**9,520**
2023 January	3,514	940	1,456	2,565	202	884	104	1,158	9,367
February	3,998	913	1,553	2,646	174	785	141	1,079	9,736
March	4,807	1,141	1,695	2,841	211	862	195	1,214	11,271
April	4,009	1,020	1,465	2,619	111	731	120	1,172	9,782
May	3,789	1,170	1,479	2,413	128	725	119	1,308	9,652
June	3,821	1,194	1,501	2,528	181	777	151	1,376	10,028
July	3,835	1,220	1,545	2,501	140	837	142	1,353	10,029
August	4,141	1,144	1,470	2,513	210	731	95	1,164	9,998
September	4,157	1,045	1,607	2,682	138	768	118	1,152	10,060
October	4,112	1,068	1,696	2,658	153	822	110	1,130	10,053
November	R 3,967	R 1,125	R 1,806	R 2,807	R 191	R 887	R 79	R 1,165	R 10,222
December	E 4,183	E 1,200	NA	NA	E 238	E 1,059	E 114	NA	E 10,796
Average	**RE 4,028**	**RE 1,100**	**NA**	**NA**	**E 173**	**RE 823**	**RE 124**	**NA**	**RE 10,086**
2024 January	E 4,141	E 1,098	NA	NA	E 212	E 894	E 103	NA	E 10,387

[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, 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. For 2009–2018, also includes oxygenates (excluding fuel ethanol). Beginning in 2010, also includes fuel ethanol. Beginning in 2011, also includes biofuels (excluding fuel ethanol).

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. • **1981–2022:** EIA, *Petroleum Supply Annual,* annual reports, and unpublished revisions. • **2023 and 2024:** 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**
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 Average	**260**	**935**	**203**	**140**	**250**	**880**	**265**	**147**	**108**	**92**	**1,980**	**5,261**
2017 Average	**395**	**871**	**447**	**200**	**350**	**1,081**	**251**	**210**	**176**	**186**	**2,209**	**6,376**
2018 Average	**400**	**1,024**	**374**	**297**	**466**	**1,194**	**337**	**185**	**382**	**272**	**2,670**	**7,601**
2019 Average	**474**	**1,035**	**196**	**460**	**555**	**1,158**	**451**	**126**	**580**	**336**	**3,102**	**8,471**
2020 Average	**438**	**932**	**715**	**471**	**519**	**1,042**	**456**	**167**	**451**	**350**	**2,959**	**8,498**
2021 January	434	798	808	608	641	979	159	141	613	258	2,981	8,419
February	417	806	457	587	407	984	522	234	376	165	2,336	7,291
March	292	866	848	515	351	1,135	341	120	501	258	2,669	7,896
April	331	922	602	515	451	1,121	568	330	583	350	2,936	8,709
May	345	795	715	520	431	1,363	374	144	530	370	2,872	8,460
June	475	856	645	730	584	1,197	378	349	844	314	2,993	9,365
July	531	835	549	460	384	1,226	395	298	713	377	2,667	8,434
August	534	885	549	541	532	1,107	382	273	580	356	3,129	8,867
September	372	762	492	435	459	1,072	442	220	557	297	2,664	7,772
October	460	764	647	496	431	1,085	458	94	280	397	3,113	8,226
November	386	875	787	533	562	1,145	515	228	634	342	3,179	9,185
December	438	853	463	859	613	1,434	511	296	563	323	3,361	9,714
Average	**418**	**835**	**632**	**566**	**488**	**1,156**	**419**	**227**	**565**	**318**	**2,913**	**8,536**
2022 January	301	757	430	685	514	1,062	307	452	555	289	3,337	8,690
February	268	781	790	517	505	1,067	566	431	539	275	2,997	8,735
March	522	761	599	344	400	1,054	539	486	470	263	3,631	9,070
April	518	852	646	345	426	1,289	548	401	471	537	3,632	9,665
May	412	773	502	472	511	1,270	414	346	535	404	3,739	9,379
June	475	1,004	479	416	382	1,161	574	459	546	290	4,012	9,798
July	531	954	669	344	437	1,059	535	326	517	406	3,897	9,675
August	361	906	757	253	646	1,332	492	322	576	491	3,612	9,747
September	449	846	554	620	448	1,276	608	452	640	571	3,389	9,854
October	213	809	869	651	576	1,018	559	327	608	496	3,449	9,575
November	328	880	731	820	586	1,060	591	360	651	351	3,620	9,979
December	347	815	671	381	578	1,169	674	337	491	582	3,990	10,035
Average	**394**	**845**	**641**	**486**	**501**	**1,152**	**533**	**391**	**550**	**414**	**3,613**	**9,520**
2023 January	209	817	773	276	621	1,164	602	330	481	328	3,767	9,367
February	218	847	956	363	619	1,153	516	529	650	357	3,527	9,736
March	282	786	1,478	459	633	1,413	925	88	534	494	4,180	11,271
April	198	732	1,331	490	476	1,058	767	393	567	422	3,349	9,782
May	302	740	805	470	507	1,007	748	267	580	438	3,790	9,652
June	305	852	914	421	500	1,083	1,174	364	534	370	3,511	10,028
July	208	823	873	402	658	1,178	1,147	222	452	411	3,654	10,029
August	283	852	763	391	618	1,136	714	424	687	261	3,870	9,998
September	226	734	1,055	364	678	1,208	781	340	708	242	3,724	10,060
October	202	692	1,162	353	863	1,246	1,063	319	680	311	3,164	10,053
November	208	863	946	386	636	1,137	761	332	669	319	3,965	10,222
11-Month Average	**240**	**794**	**1,005**	**398**	**619**	**1,163**	**839**	**326**	**594**	**360**	**3,684**	**10,020**
2022 11-Month Average	**399**	**848**	**638**	**496**	**494**	**1,150**	**520**	**396**	**555**	**398**	**3,578**	**9,472**
2021 11-Month Average	**416**	**833**	**647**	**539**	**476**	**1,130**	**410**	**220**	**565**	**318**	**2,871**	**8,426**

NA=Not available. – =No data reported.

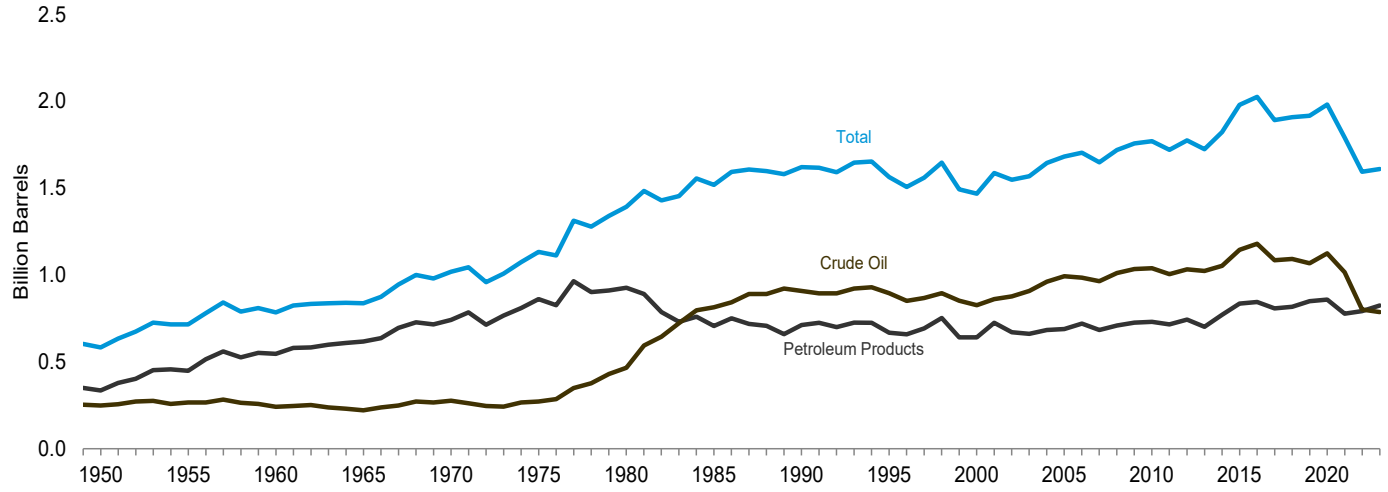
Notes: • Totals may not equal sum of components due to independent rounding. • U.S. geographic coverage is the 50 states and the District of Columbia.

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.

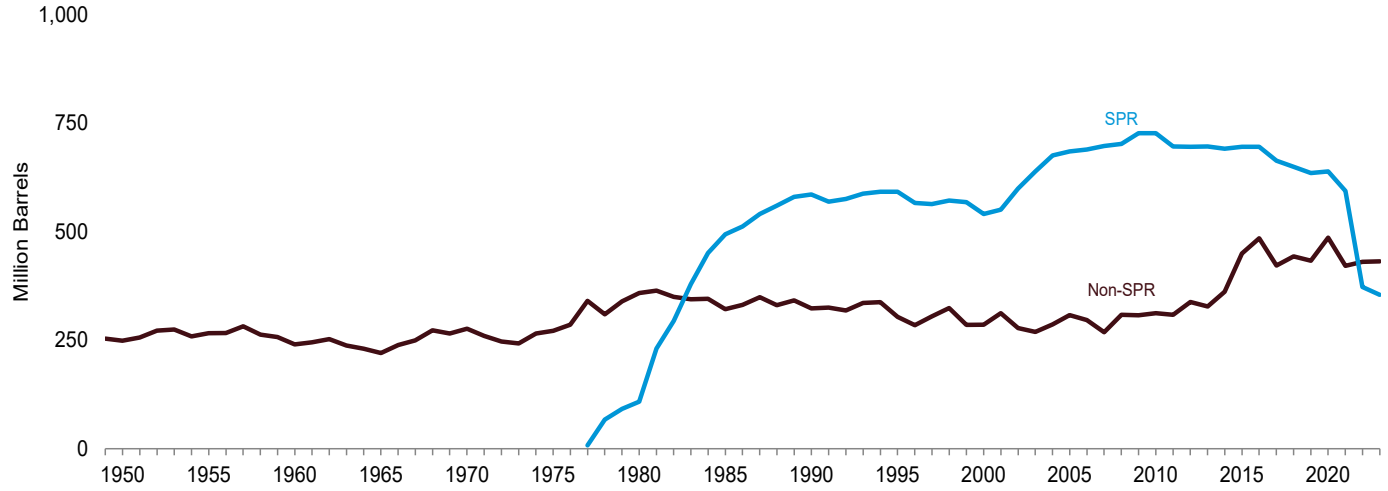
Sources: • **1960–1972:** Bureau of Mines, *Minerals Yearbook,* annual reports. • **1973–1975:** Bureau of Mines, Mineral Industry Surveys, *Petroleum Statement, Annual,* annual reports. • **1976–1980:** U.S. Energy Information Administration (EIA), Energy Data Reports, *Petroleum Statement, Annual,* annual reports. • **1981–2022:** EIA, *Petroleum Supply Annual,* annual reports. • **2023:** EIA, *Petroleum Supply Monthly,* monthly reports.

Figure 3.4 Petroleum Stocks

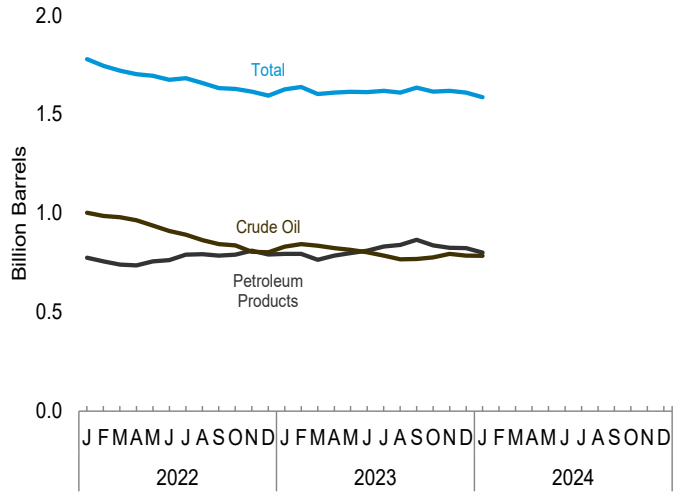
Overview, 1949–2023



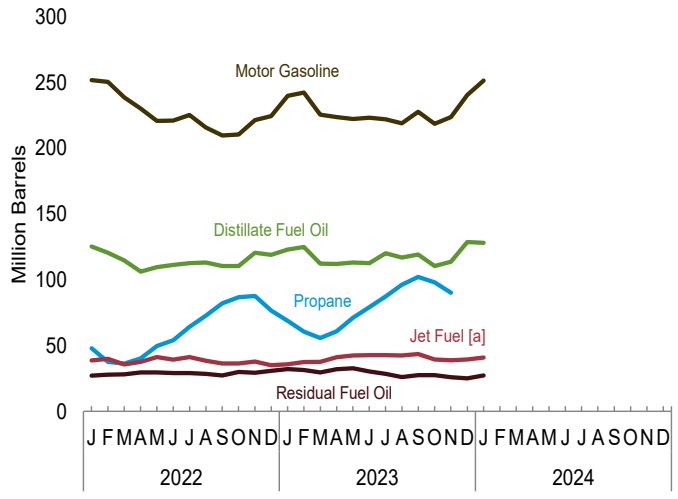
SPR and Non-SPR Crude Oil Stocks, 1949–2023



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]				Hydrocarbon Gas Liquids								
					Propane/Propylene								
	SPR[b]	Non-SPR[c,d]	Total[d]	Distillate Fuel Oil[e]	Propane	Propylene[f]	Total[g]	Total[h]	Jet Fuel[i]	Motor Gasoline[j]	Residual Fuel Oil[k]	Other[l]	Total
1950 Year	−−	**248**	**248**	**72**	**NA**	**NA**	**NA**	**2**	**(i)**	**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**	**44**	**74**	**28**	**209**	**54**	**181**	**1,018**
1975 Year	−−	**271**	**271**	**209**	**NA**	**NA**	**82**	**133**	**30**	**235**	**74**	**181**	**1,133**
1980 Year	**108**	**358**	**466**	**205**	**NA**	**NA**	**71**	**137**	**42**	**261**	**92**	**189**	**1,392**
1985 Year	**493**	**321**	**814**	**144**	**NA**	**NA**	**39**	**82**	**40**	**223**	**50**	**165**	**1,519**
1990 Year	**586**	**323**	**908**	**132**	**NA**	**NA**	**49**	**104**	**52**	**220**	**49**	**156**	**1,621**
1995 Year	**592**	**303**	**895**	**130**	**NA**	**NA**	**43**	**100**	**40**	**202**	**37**	**158**	**1,563**
2000 Year	**541**	**286**	**826**	**118**	**NA**	**NA**	**41**	**88**	**45**	**196**	**36**	**159**	**1,468**
2005 Year	**685**	**308**	**992**	**136**	**NA**	**NA**	**57**	**117**	**42**	**208**	**37**	**148**	**1,682**
2006 Year	**689**	**296**	**984**	**144**	**NA**	**NA**	**62**	**125**	**39**	**212**	**42**	**157**	**1,703**
2007 Year	**697**	**268**	**965**	**134**	**NA**	**NA**	**52**	**106**	**39**	**218**	**39**	**146**	**1,648**
2008 Year	**702**	**308**	**1,010**	**146**	**NA**	**NA**	**55**	**127**	**38**	**214**	**36**	**149**	**1,719**
2009 Year	**727**	**307**	**1,034**	**166**	**NA**	**NA**	**50**	**113**	**43**	**223**	**37**	**142**	**1,758**
2010 Year	**727**	**312**	**1,039**	**164**	**46**	**2**	**47**	**118**	**43**	**219**	**41**	**145**	**1,770**
2011 Year	**696**	**308**	**1,004**	**149**	**48**	**2**	**50**	**121**	**41**	**223**	**34**	**146**	**1,720**
2012 Year	**695**	**338**	**1,033**	**135**	**63**	**2**	**64**	**148**	**40**	**231**	**34**	**154**	**1,775**
2013 Year	**696**	**327**	**1,023**	**128**	**40**	**1**	**42**	**121**	**37**	**228**	**38**	**149**	**1,724**
2014 Year	**691**	**361**	**1,052**	**136**	**72**	**2**	**74**	**170**	**38**	**240**	**34**	**151**	**1,822**
2015 Year	**695**	**449**	**1,144**	**161**	**91**	**2**	**93**	**192**	**40**	**235**	**42**	**164**	**1,979**
2016 Year	**695**	**485**	**1,180**	**166**	**77**	**2**	**79**	**196**	**43**	**239**	**41**	**161**	**2,025**
2017 Year	**663**	**422**	**1,084**	**146**	**62**	**2**	**64**	**187**	**41**	**237**	**29**	**167**	**1,892**
2018 Year	**649**	**443**	**1,092**	**140**	**64**	**2**	**66**	**184**	**42**	**247**	**28**	**176**	**1,908**
2019 Year	**635**	**433**	**1,068**	**140**	**80**	**2**	**81**	**212**	**40**	**254**	**31**	**172**	**1,917**
2020 Year	**638**	**485**	**1,124**	**161**	**70**	**1**	**71**	**228**	**39**	**243**	**30**	**156**	**1,981**
2021 January	638	476	1,114	164	55	1	56	197	43	255	32	169	1,975
February	638	494	1,132	144	44	1	45	178	40	241	31	174	1,941
March	638	502	1,140	146	42	1	43	177	39	238	31	178	1,949
April	633	489	1,123	137	45	1	46	186	41	239	32	176	1,932
May	628	477	1,105	140	52	1	53	196	43	240	32	175	1,931
June	621	448	1,069	140	57	1	58	205	45	237	32	174	1,903
July	621	439	1,060	142	64	1	66	222	44	231	29	172	1,899
August	621	422	1,043	138	70	1	71	229	42	226	30	164	1,872
September	618	420	1,038	132	72	1	73	236	42	227	28	166	1,869
October	611	437	1,047	133	76	1	78	236	40	217	29	162	1,864
November	601	433	1,035	132	72	2	74	221	37	221	28	163	1,835
December	**594**	**421**	**1,015**	**130**	**64**	**1**	**65**	**193**	**36**	**232**	**26**	**161**	**1,792**
2022 January	588	414	1,002	125	48	1	49	161	39	252	27	173	1,778
February	579	409	987	121	38	1	39	141	40	250	28	177	1,744
March	566	414	980	115	36	1	37	142	36	239	28	181	1,720
April	548	417	965	106	40	1	41	154	38	230	29	179	1,702
May	523	415	938	110	50	1	51	177	41	221	29	178	1,695
June	493	418	911	111	54	1	55	187	39	221	29	175	1,674
July	468	424	892	113	64	1	65	209	41	225	29	175	1,683
August	445	420	865	113	73	1	74	231	38	216	29	166	1,658
September	416	429	845	111	82	1	83	244	37	210	27	159	1,632
October	399	440	838	110	87	1	88	243	36	210	30	160	1,629
November	388	417	805	121	88	1	89	236	38	221	29	165	1,615
December	**372**	**430**	**802**	**119**	**77**	**1**	**78**	**211**	**35**	**224**	**31**	**172**	**1,595**
2023 January	372	460	831	123	69	1	70	188	36	240	32	176	1,626
February	372	472	844	125	61	1	61	175	38	242	31	184	1,638
March	371	465	837	112	56	1	57	174	38	225	30	186	1,602
April	364	460	824	112	61	1	62	188	41	224	32	189	1,609
May	354	461	815	113	71	1	72	207	42	222	33	182	1,614
June	347	455	802	113	79	1	80	225	43	223	30	175	1,612
July	347	440	787	120	87	1	89	243	43	222	29	175	1,619
August	350	417	768	117	96	1	97	267	43	219	26	170	1,609
September	351	417	769	119	102	1	103	279	43	228	28	169	1,635
October	351	426	777	110	98	1	99	274	40	219	27	168	1,615
November	352	R 442	R 794	R 114	R 90	R 2	R 92	R 255	R 39	224	26	R 168	R 1,619
December	**E 355**	**E 432**	**E 786**	**E 129**	**NA**	**NA**	**E 81**	**RF 232**	**E 40**	**E 240**	**E 25**	**RE 158**	**E 1,610**
2024 January	E 358	E 427	E 785	E 128	NA	NA	E 61	F 200	E 41	E 251	E 27	E 154	E 1,586

[a] Includes lease condensate.
[b] "SPR" is the Strategic Petroleum Reserve, which began in October 1977. Crude oil stocks in the SPR include non-U.S. stocks held under foreign or commercial storage agreements.
[c] All crude oil stocks other than those in "SPR."
[d] Beginning in 1981, includes stocks of Alaskan crude oil in transit.
[e] Excludes stocks in the Northeast Home Heating Oil Reserve. Beginning in 2009, includes biodiesel and renewable diesel fuel blended into distillate fuel oil. Beginning in 2021, also includes renewable heating oil blended into distillate fuel oil.
[f] Includes propylene stocks at refineries only.
[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] Through 2019, includes residual fuel oil stocks at (or in) refineries, bulk terminals, and pipelines. Beginning in 2020, includes residual fuel oil stocks at refineries and bulk terminals only.
[l] Asphalt and road oil, aviation gasoline blending components, kerosene, lubricants, petrochemical feedstocks, petroleum coke, unfinished oils, 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 1993, also includes fuel ethanol. Beginning in 2005, also includes naphtha-type jet fuel. For 2005–2018, also includes oxygenates (excluding fuel ethanol). Beginning in 2009, also includes biofuels (excluding fuel ethanol) and other hydrocarbons.

R=Revised. E=Estimate. F=Forecast. NA=Not available. −−=Not applicable.

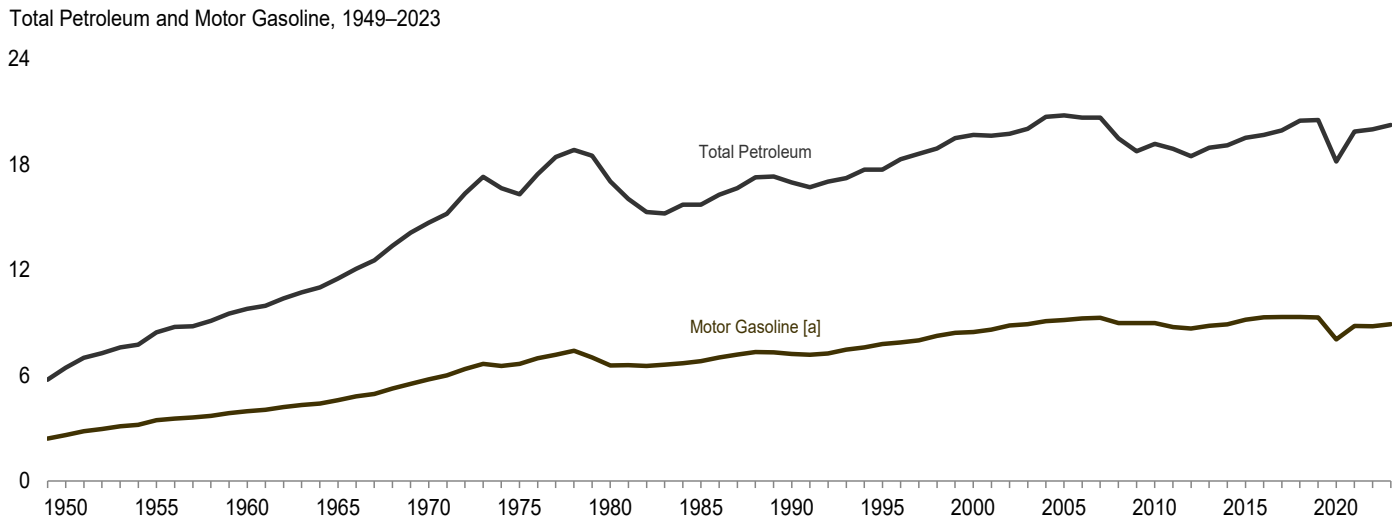
Notes: • Stocks are at end of period. • Totals may not equal sum of components due to independent rounding. • Geographic coverage is the 50 states and the District of Columbia.

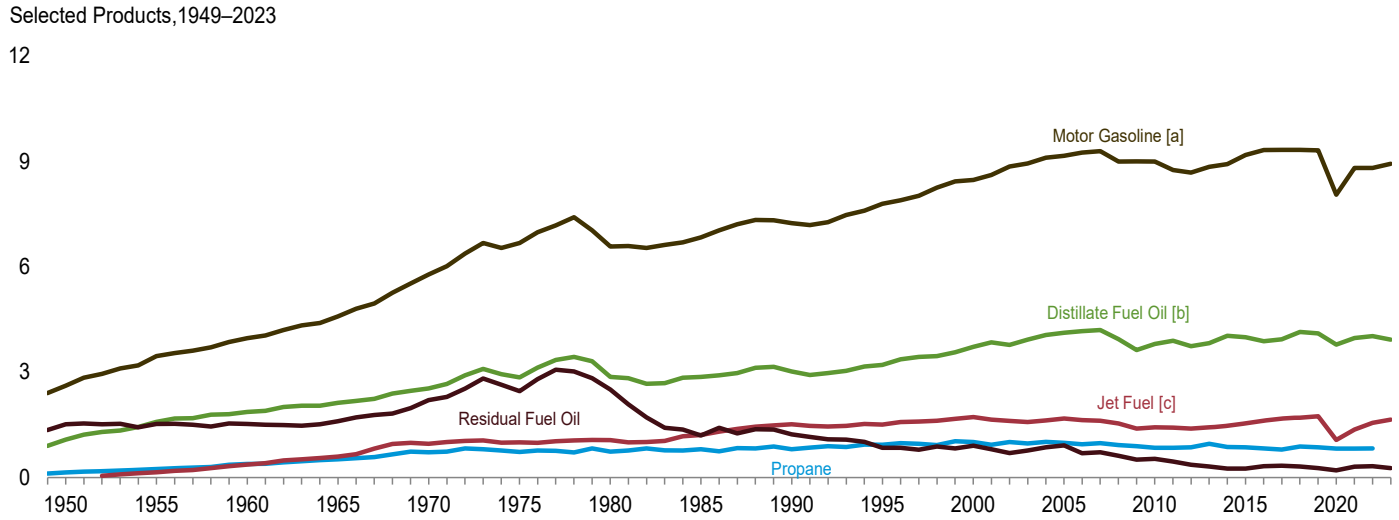
Web Page: See http://www.eia.gov/totalenergy/data/monthly/#petroleum (Excel and CSV files) for all available annual data beginning in 1949 and monthly data beginning in 1973.

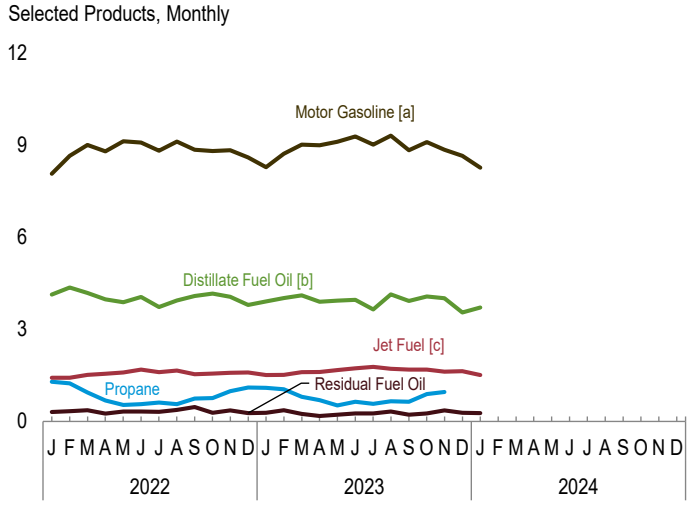
Sources: • **1949–1975:** Bureau of Mines, Mineral Industry Surveys, *Petroleum Statement, Annual,* annual reports. • **1976–1980:** U.S. Energy Information Administration (EIA), Energy Data Reports, *Petroleum Statement, Annual,* annual reports. • **1981–2022:** EIA, *Petroleum Supply Annual,* annual reports, and unpublished revisions. • **2023 and 2024:** EIA, *Petroleum Supply Monthly,* monthly reports, and unpublished revisions; and, for the current two months, *Weekly Petroleum Status Report* data system, Short-Term Integrated Forecasting System, and *Monthly Energy Review* data system calculations.

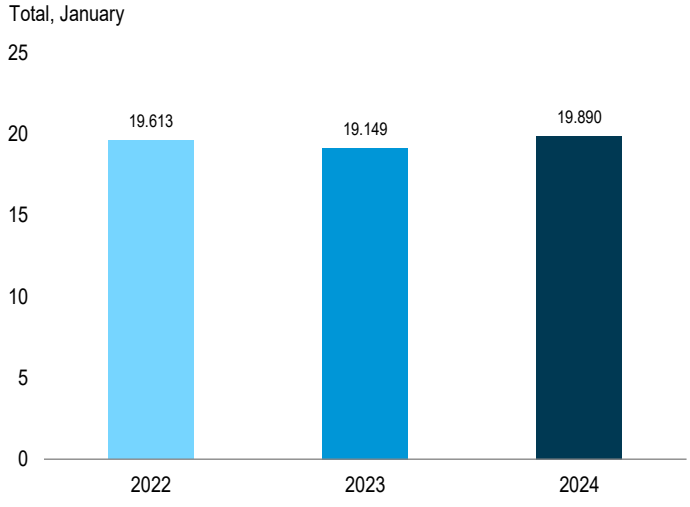
Figure 3.5 Petroleum Products Supplied by Type

(Million Barrels per Day)









[a] Beginning in 1993, includes fuel ethanol blended into motor gasoline.
[b] Beginning in 2009, includes biodiesel and renewable diesel fuel 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										
				Propane	Propylene	Total[b]	Total[c]								
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	**782**	**1,224**	**967**	**263**	**136**	**5,785**	**212**	**2,204**	**866**	**14,697**
1975 Average	**419**	**39**	**2,851**	E 730	E 60	**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	**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	**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	**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	**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	**1,235**	**2,434**	**1,725**	**67**	**166**	**8,472**	**406**	**909**	**1,255**	**19,701**
2005 Average	**546**	**19**	**4,118**	E 986	E 243	**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	**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	**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	**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	**1,160**	**2,127**	**1,393**	**18**	**118**	**8,997**	**427**	**511**	**1,175**	**18,771**
2010 Average	**362**	**15**	**3,800**	**852**	**305**	**1,157**	**2,263**	**1,432**	**20**	**131**	**8,993**	**376**	**535**	**1,251**	**19,178**
2011 Average	**355**	**15**	**3,899**	**851**	**310**	**1,161**	**2,250**	**1,425**	**12**	**125**	**8,753**	**361**	**461**	**1,240**	**18,896**
2012 Average	**340**	**14**	**3,741**	**862**	**308**	**1,170**	**2,293**	**1,398**	**5**	**114**	**8,682**	**360**	**369**	**1,165**	**18,482**
2013 Average	**323**	**12**	**3,827**	**969**	**306**	**1,275**	**2,501**	**1,434**	**5**	**121**	**8,843**	**354**	**319**	**1,227**	**18,967**
2014 Average	**327**	**12**	**4,037**	**870**	**298**	**1,167**	**2,443**	**1,470**	**9**	**126**	**8,921**	**347**	**257**	**1,151**	**19,100**
2015 Average	**343**	**11**	**3,995**	**865**	**295**	**1,160**	**2,550**	**1,548**	**6**	**138**	**9,178**	**349**	**259**	**1,153**	**19,532**
2016 Average	**351**	**11**	**3,877**	**833**	**301**	**1,134**	**2,541**	**1,614**	**9**	**130**	**9,317**	**345**	**326**	**1,170**	**19,692**
2017 Average	**351**	**11**	**3,932**	**803**	**309**	**1,111**	**2,637**	**1,682**	**5**	**121**	**9,327**	**316**	**342**	**1,228**	**19,952**
2018 Average	**327**	**12**	**4,146**	**888**	**311**	**1,199**	**3,014**	**1,707**	**5**	**117**	**9,329**	**327**	**318**	**1,210**	**20,512**
2019 Average	**348**	**13**	**4,103**	**868**	**298**	**1,166**	**3,139**	**1,743**	**7**	**113**	**9,309**	**303**	**275**	**1,189**	**20,543**
2020 Average	**343**	**11**	**3,786**	**824**	**278**	**1,101**	**3,228**	**1,076**	**7**	**102**	**8,049**	**260**	**208**	**1,116**	**18,186**
2021 January	239	11	3,936	1,271	323	1,593	4,043	1,131	7	114	7,723	269	247	1,093	18,814
February	206	5	3,968	1,102	266	1,368	3,011	1,087	35	110	7,824	153	255	1,046	17,699
March	275	9	4,077	957	282	1,239	3,193	1,150	2	97	8,553	257	280	1,238	19,132
April	345	15	4,048	614	312	926	3,231	1,292	5	108	8,839	204	138	1,517	19,744
May	388	9	3,900	646	338	984	3,390	1,292	1	107	9,081	345	263	1,275	20,050
June	512	17	3,946	582	318	900	3,365	1,426	(s)	113	9,362	306	346	1,193	20,586
July	473	11	3,675	631	311	942	3,315	1,501	1	109	9,297	226	351	1,213	20,172
August	492	15	3,984	601	311	912	3,380	1,563	2	97	9,182	341	344	1,171	20,573
September	473	14	4,032	713	286	999	3,322	1,485	2	94	8,932	273	341	1,170	20,139
October	453	12	3,967	825	276	1,102	3,412	1,467	12	104	9,027	239	357	1,328	20,377
November	364	10	4,190	873	314	1,187	3,543	1,507	5	112	9,021	269	410	1,142	20,573
December	221	11	3,950	1,141	324	1,464	4,025	1,517	1	96	8,879	339	432	1,185	20,657
Average	**371**	**12**	**3,972**	**829**	**305**	**1,134**	**3,440**	**1,370**	**6**	**105**	**8,816**	**269**	**314**	**1,215**	**19,890**
2022 January	243	7	4,129	1,294	298	1,592	3,979	1,418	32	125	8,062	240	304	1,072	19,613
February	264	13	4,365	1,239	291	1,529	3,730	1,418	2	114	8,650	229	327	1,078	20,190
March	272	14	4,183	941	304	1,246	3,592	1,520	1	139	9,005	251	366	1,140	20,483
April	335	11	3,976	681	302	983	3,263	1,547	3	123	8,799	237	255	1,178	19,727
May	401	9	3,876	540	297	837	3,030	1,591	6	112	9,119	197	321	1,177	19,840
June	493	17	4,049	565	281	846	3,243	1,686	1	93	9,075	233	318	1,225	20,433
July	465	9	3,722	613	290	903	3,353	1,603	3	46	8,812	371	312	1,231	19,926
August	510	18	3,940	563	281	844	2,996	1,654	(s)	134	9,115	285	376	1,236	20,265
September	472	11	4,087	746	261	1,006	3,160	1,534	3	99	8,847	273	465	1,178	20,129
October	453	12	4,163	758	232	989	3,225	1,558	1	130	8,807	192	277	1,189	20,007
November	369	13	4,059	986	240	1,226	3,423	1,584	5	107	8,827	303	359	1,164	20,214
December	256	11	3,793	1,104	237	1,341	3,319	1,593	6	105	8,596	227	273	1,149	19,327
Average	**378**	**12**	**4,026**	**834**	**276**	**1,110**	**3,357**	**1,560**	**5**	**111**	**8,810**	**253**	**329**	**1,169**	**20,010**
2023 January	231	6	3,902	1,095	261	1,356	3,479	1,510	37	117	8,282	127	279	1,179	19,149
February	239	11	4,018	1,046	245	1,291	3,410	1,520	19	112	8,715	225	365	1,125	19,759
March	258	12	4,103	806	252	1,058	3,309	1,606	3	57	9,007	298	248	1,181	20,083
April	328	9	3,900	692	270	963	3,334	1,615	10	84	8,996	311	176	1,274	20,037
May	406	14	3,930	520	276	796	3,344	1,673	15	97	9,105	225	223	1,365	20,396
June	472	14	3,958	636	267	903	3,403	1,735	5	95	9,279	184	261	1,310	20,716
July	461	15	3,648	569	266	835	3,391	1,770	13	94	9,013	138	261	1,321	20,124
August	512	15	4,134	655	272	927	3,184	1,710	2	74	9,299	312	326	1,312	20,881
September	476	7	3,921	636	260	896	3,172	1,692	4	81	8,832	387	221	1,298	20,092
October	451	17	4,067	893	239	1,132	3,543	1,688	5	94	9,094	244	266	1,212	20,680
November	R 331	R 10	R 4,011	R 957	R 279	R 1,236	R 3,817	R 1,618	R 1	R 55	R 8,845	R 426	R 356	R 1,241	R 20,710
December	F 219	F 8	E 3,545	NA	NA	RE 1,497	RF 3,795	E 1,638	F 11	F 78	E 8,649	F 263	E 276	RE 2,009	E 20,490
Average	RE **366**	RE **11**	RE **3,927**	**NA**	**NA**	RE **1,073**	RE **3,432**	RE **1,649**	RE **10**	RE **86**	RE **8,927**	RE **261**	RE **271**	RE **1,321**	RE **20,262**
2024 January	F 213	F 5	E 3,707	NA	NA	E 1,542	F 4,131	E 1,511	F 7	F 111	E 8,264	F 217	E 272	E 1,450	E 19,890

[a] Beginning in 2009, includes biodiesel and renewable diesel fuel blended into distillate fuel oil. For 2011–2020, also includes biodiesel adjustments (supply of biodiesel not reported as input on surveys) reclassified as distillate fuel oil adjustments. Beginning in 2021, also includes renewable heating oil 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, and refinery olefins (ethylene, propylene, butylene, and isobutylene). Through 1983, also includes plant condensate and unfractionated stream. Through 2021, also includes natural gasoline (pentanes plus).

[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 (through 2021), 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. Beginning in 2021, also includes biofuels (excluding fuel ethanol) products supplied.

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

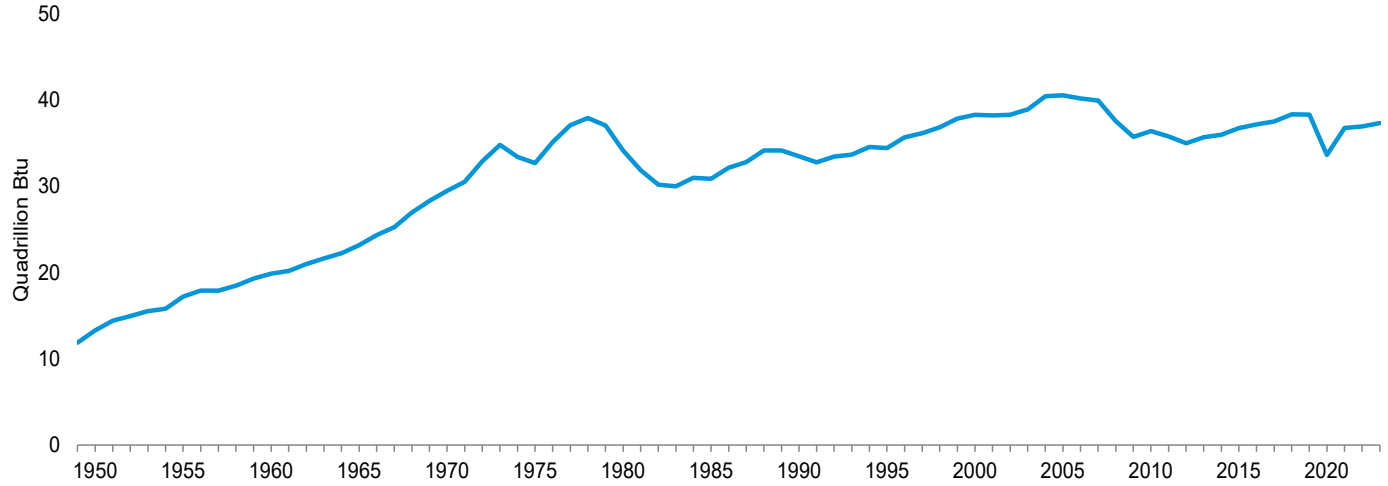
Notes: • Petroleum products supplied is an approximation of petroleum consumption and is synonymous with the term "petroleum consumption" in Tables 3.7a–3.8c. See Note 1, "Petroleum Products Supplied and Petroleum Consumption," at end of section. • Totals may not equal sum of components due to independent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

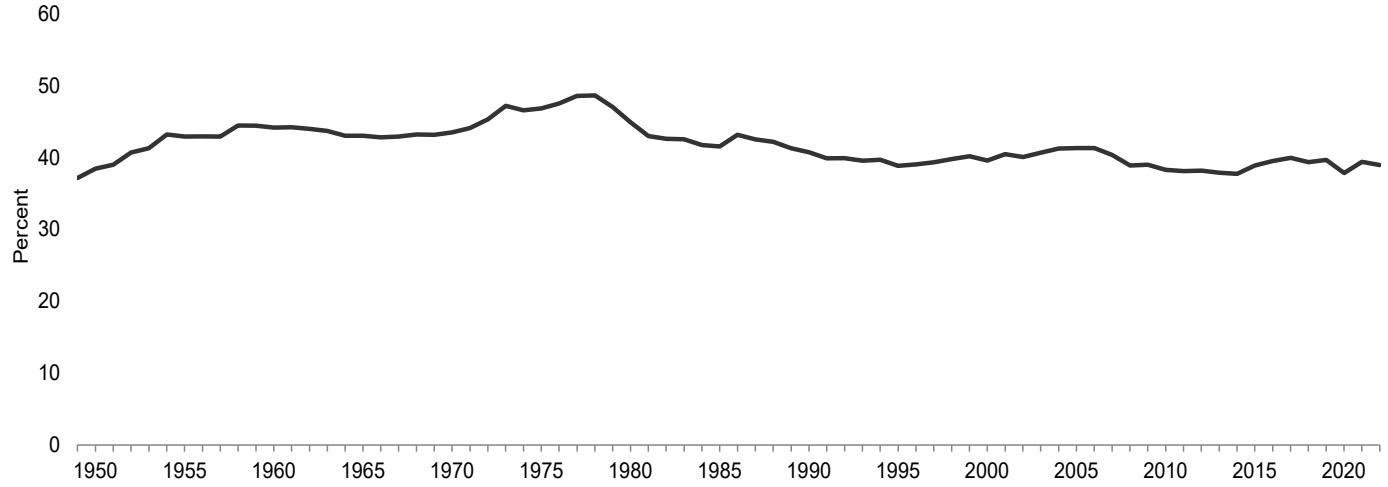
Sources: See end of section.

Figure 3.6 Heat Content of Petroleum Products Supplied by Type

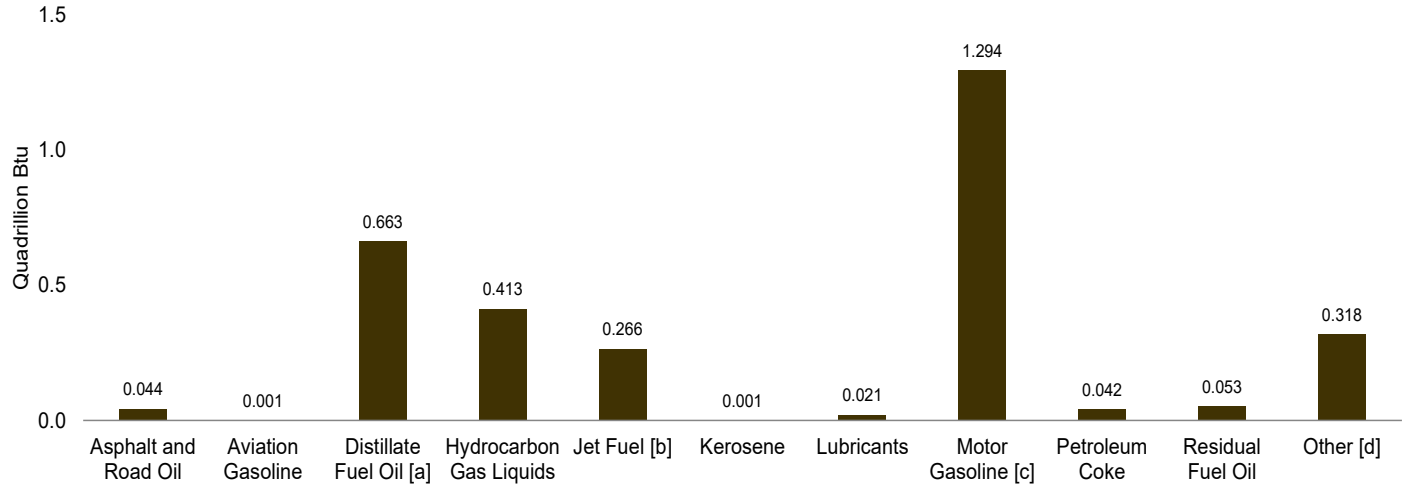
Total, 1949–2023



Petroleum Products Supplied as Share of Total Energy Consumption, 1949–2022



By Product, January 2024



[a] Includes biodiesel and renewable diesel fuel 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[a]	Hydrocarbon Gas Liquids				Jet Fuel[d]	Kerosene	Lubricants	Motor Gasoline[e]	Petroleum Coke	Residual Fuel Oil	Other[f]	Total
				Propane/Propylene											
				Propane	Propylene	Total[b]	Total[c]								
1950 Total	**435**	**199**	**2,300**	E **204**	E **18**	E **222**	**326**	([d])	**668**	**236**	**5,015**	**90**	**3,482**	**546**	**13,298**
1955 Total	**615**	**354**	**3,385**	E **352**	E **30**	E **383**	**562**	**301**	**662**	**258**	**6,640**	**147**	**3,502**	**798**	**17,225**
1960 Total	**734**	**298**	**3,992**	E **543**	E **47**	E **589**	**866**	**739**	**563**	**259**	**7,631**	**328**	**3,517**	**947**	**19,874**
1965 Total	**890**	**222**	**4,519**	E **733**	E **63**	E **796**	**1,170**	**1,215**	**553**	**286**	**8,806**	**444**	**3,691**	**1,390**	**23,184**
1970 Total	**1,082**	**100**	**5,401**	E **1,019**	E **77**	**1,096**	**1,667**	**1,973**	**544**	**301**	**11,091**	**465**	**5,057**	**1,817**	**29,499**
1975 Total	**1,014**	**71**	**6,061**	E **1,024**	E **84**	**1,108**	**1,811**	**2,047**	**329**	**304**	**12,798**	**542**	**5,649**	**2,071**	**32,699**
1980 Total	**962**	**64**	**6,110**	E **1,043**	E **100**	**1,143**	**2,135**	**2,190**	**329**	**354**	**12,648**	**522**	**5,772**	**3,073**	**34,159**
1985 Total	**1,029**	**50**	**6,098**	E **1,136**	E **101**	**1,237**	**2,252**	**2,497**	**236**	**322**	**13,098**	**582**	**2,759**	**1,945**	**30,866**
1990 Total	**1,170**	**45**	**6,422**	E **1,138**	E **147**	**1,285**	**2,259**	**3,129**	**88**	**362**	**13,872**	**745**	**2,820**	**2,589**	**33,500**
1995 Total	**1,178**	**40**	**6,812**	E **1,316**	E **220**	**1,536**	**2,791**	**3,132**	**112**	**346**	**14,794**	**802**	**1,955**	**2,499**	**34,458**
2000 Total	**1,276**	**36**	**7,927**	E **1,421**	E **315**	**1,735**	**3,216**	**3,580**	**140**	**369**	**16,127**	**895**	**2,091**	**2,636**	**38,292**
2005 Total	**1,323**	**35**	**8,745**	E **1,382**	E **341**	**1,723**	**2,812**	**3,475**	**144**	**312**	**17,358**	**1,125**	**2,111**	**3,122**	**40,561**
2006 Total	**1,261**	**33**	**8,831**	E **1,328**	E **375**	**1,703**	**2,768**	**3,379**	**111**	**303**	**17,511**	**1,141**	**1,581**	**3,276**	**40,196**
2007 Total	**1,197**	**32**	**8,858**	E **1,379**	E **352**	**1,731**	**2,835**	**3,358**	**67**	**313**	**17,428**	**1,072**	**1,659**	**3,134**	**39,952**
2008 Total	**1,012**	**28**	**8,346**	E **1,299**	E **323**	**1,622**	**2,656**	**3,193**	**30**	**291**	**16,799**	**1,017**	**1,432**	**2,788**	**37,591**
2009 Total	**873**	**27**	**7,657**	E **1,252**	E **374**	**1,626**	**2,707**	**2,883**	**36**	**262**	**16,714**	**937**	**1,173**	**2,483**	**35,752**
2010 Total	**878**	**27**	**8,011**	**1,194**	**428**	**1,621**	**2,881**	**2,963**	**41**	**291**	**16,632**	**831**	**1,228**	**2,645**	**36,427**
2011 Total	**859**	**27**	**8,211**	**1,194**	**434**	**1,628**	**2,811**	**2,950**	**25**	**276**	**16,175**	**801**	**1,058**	**2,621**	**35,815**
2012 Total	**827**	**25**	**7,898**	**1,212**	**432**	**1,645**	**2,887**	**2,901**	**11**	**254**	**16,085**	**802**	**849**	**2,474**	**35,012**
2013 Total	**783**	**22**	**8,051**	**1,358**	**429**	**1,787**	**3,166**	**2,969**	**11**	**268**	**16,332**	**786**	**731**	**2,583**	**35,702**
2014 Total	**793**	**22**	**8,492**	**1,219**	**417**	**1,636**	**3,067**	**3,042**	**19**	**280**	**16,473**	**772**	**590**	**2,430**	**35,978**
2015 Total	**832**	**21**	**8,402**	**1,212**	**413**	**1,626**	**3,221**	**3,204**	**13**	**305**	**16,941**	**776**	**595**	**2,435**	**36,745**
2016 Total	**853**	**20**	**8,170**	**1,171**	**423**	**1,594**	**3,184**	**3,350**	**18**	**289**	**17,238**	**771**	**751**	**2,553**	**37,198**
2017 Total	**849**	**21**	**8,263**	**1,126**	**432**	**1,557**	**3,272**	**3,481**	**11**	**267**	**17,201**	**708**	**784**	**2,667**	**37,525**
2018 Total	**793**	**22**	**8,715**	**1,245**	**436**	**1,680**	**3,720**	**3,533**	**11**	**259**	**17,209**	**730**	**729**	**2,630**	**38,351**
2019 Total	**844**	**23**	**8,625**	**1,217**	**418**	**1,635**	**3,897**	**3,608**	**14**	**250**	**17,166**	**678**	**631**	**2,585**	**38,322**
2020 Total	**832**	**20**	**7,976**	**1,158**	**390**	**1,548**	**3,956**	**2,234**	**16**	**227**	**14,883**	**583**	**478**	**2,433**	**33,638**
2021 January	49	2	703	151	38	190	433	199	1	22	1,209	51	48	201	2,918
February	38	1	641	118	29	147	291	173	6	19	1,106	26	45	174	2,519
March	57	1	729	114	33	147	339	202	(s)	18	1,339	49	55	227	3,015
April	69	2	700	71	36	107	322	220	1	20	1,339	38	26	268	3,004
May	80	1	697	77	40	117	350	227	(s)	20	1,422	66	51	234	3,148
June	102	3	682	67	37	104	340	243	(s)	21	1,418	56	65	212	3,142
July	97	2	657	75	37	112	345	264	(s)	21	1,455	43	68	223	3,175
August	101	2	712	72	37	109	353	275	(s)	18	1,437	65	67	216	3,246
September	94	2	697	82	33	115	335	253	(s)	17	1,353	50	64	208	3,074
October	93	2	709	98	33	131	351	258	2	19	1,413	45	70	243	3,206
November	72	2	725	101	36	137	354	256	1	20	1,367	49	77	203	3,127
December	46	2	706	136	38	174	418	267	(s)	18	1,390	64	84	217	3,212
Total	**898**	**22**	**8,357**	**1,162**	**427**	**1,589**	**4,230**	**2,835**	**12**	**233**	**16,250**	**603**	**721**	**2,623**	**36,784**
2022 January	50	1	738	154	35	190	405	249	6	24	1,262	46	59	197	3,037
February	49	2	705	133	31	164	341	225	(s)	19	1,223	39	58	179	2,841
March	56	2	748	112	36	148	362	267	(s)	26	1,409	48	71	209	3,200
April	67	2	687	78	35	113	313	263	1	22	1,333	44	48	210	2,989
May	83	1	693	64	35	100	298	280	1	21	1,427	38	62	217	3,121
June	98	3	700	65	32	97	310	287	(s)	17	1,375	43	60	218	3,110
July	96	1	665	73	34	107	331	282	(s)	9	1,379	71	61	227	3,122
August	105	3	704	67	33	100	300	291	(s)	25	1,427	55	73	227	3,210
September	94	2	707	86	30	116	305	261	1	18	1,340	51	88	210	3,075
October	93	2	744	90	28	118	320	274	(s)	24	1,378	37	54	219	3,146
November	73	2	702	114	28	141	335	270	1	20	1,337	56	68	207	3,070
December	53	2	678	131	28	160	337	280	1	20	1,345	43	53	211	3,023
Total	**916**	**22**	**8,470**	**1,169**	**386**	**1,555**	**3,957**	**3,228**	**11**	**245**	**16,236**	**570**	**756**	**2,532**	**36,943**
2023 January	48	1	697	130	31	161	353	265	7	22	1,296	24	54	216	2,984
February	44	1	649	113	26	139	307	241	3	19	1,232	39	64	187	2,787
March	53	2	733	96	30	126	330	282	1	11	1,410	57	48	216	3,143
April	65	1	674	80	31	111	319	275	2	15	1,363	57	33	225	3,030
May	84	2	702	62	33	95	328	294	3	18	1,425	43	43	249	3,192
June	94	2	684	73	31	104	326	295	1	17	1,405	34	49	232	3,141
July	95	2	652	68	32	99	336	311	2	18	1,411	26	51	242	3,146
August	105	2	739	78	32	110	316	301	(s)	14	1,456	60	64	240	3,296
September	95	1	678	73	30	103	305	288	1	15	1,338	72	42	229	3,062
October	93	3	727	106	28	135	357	297	1	18	1,423	47	52	221	3,237
November	R 66	R 1	R 694	R 110	R 32	R 142	R 376	R 275	(s)	R 10	R 1,340	R 79	R 67	R 219	R 3,127
December	F 45	F 1	E 633	NA	NA	RE 178	RF 380	E 288	F 2	F 15	E 1,354	F 50	E 54	RE 386	RE 3,208
Total	RE **886**	E **21**	RE **8,263**	**NA**	**NA**	RE **1,504**	RE **4,033**	RE **3,412**	E **22**	RE **191**	RE **16,452**	RE **588**	RE **622**	RE **2,863**	RE **37,352**
2024 January	F 44	F 1	E 663	NA	NA	E 184	F 413	E 266	F 1	F 21	E 1,294	F 42	E 53	E 318	E 3,114

[a] Beginning in 2009, includes biodiesel and renewable diesel fuel blended into distillate fuel oil. For 2011–2020, also includes biodiesel adjustments (supply of biodiesel not reported as input on surveys) reclassified as distillate fuel oil adjustments. Beginning in 2021, also includes renewable heating oil 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, and refinery olefins (ethylene, propylene, butylene, and isobutylene). Through 1983, also includes plant condensate and unfractionated stream. Through 2021, also includes natural gasoline (pentanes plus).

[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 (through 2021), 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. Beginning in 2021, also includes biofuels (excluding fuel ethanol) products supplied.

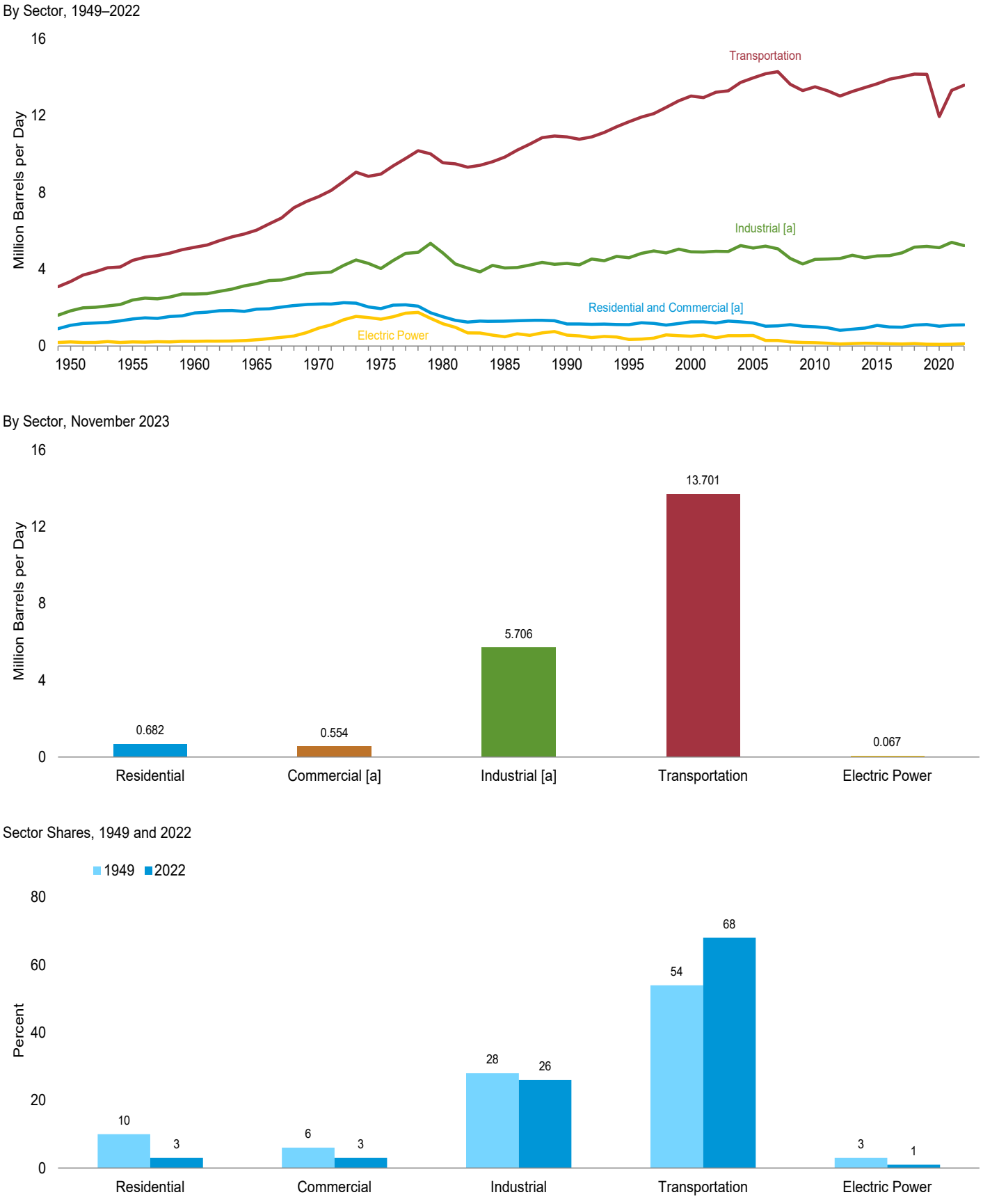
R=Revised. E=Estimate. F=Forecast. NA=Not available. (s)=Less than 0.5 trillion Btu and greater than -0.5 trillion Btu.

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



[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] Propane	Kero-sene	Total	Distillate Fuel Oil	HGL[b] Propane	Kero-sene	Motor Gasoline[c,d]	Petroleum Coke	Residual Fuel Oil	Total
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**
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 Average	**206**	**306**	**7**	**518**	**154**	**107**	**1**	**203**	**(s)**	**2**	**467**
2017 Average	**205**	**307**	**4**	**517**	**153**	**111**	**1**	**196**	**(s)**	**2**	**462**
2018 Average	**241**	**361**	**4**	**606**	**153**	**126**	**1**	**199**	**(s)**	**1**	**480**
2019 Average	**223**	**402**	**5**	**630**	**155**	**130**	**1**	**200**	**(s)**	**1**	**487**
2020 Average	**193**	**352**	**5**	**551**	**131**	**143**	**1**	**201**	**(s)**	**1**	**477**
2021 January	345	661	6	1,012	239	253	1	178	0	2	673
February	400	711	27	1,138	277	268	4	180	(s)	2	733
March	300	462	2	764	208	191	(s)	197	(s)	2	598
April	212	335	4	550	147	152	1	204	0	1	504
May	177	222	1	400	123	117	(s)	209	0	1	450
June	156	129	(s)	285	108	88	(s)	216	0	1	412
July	105	124	1	229	72	86	(s)	214	0	1	374
August	90	125	2	216	62	86	(s)	212	0	1	361
September	157	149	2	308	109	94	(s)	206	0	1	410
October	206	242	9	457	143	123	1	208	(s)	1	476
November	242	474	4	720	168	195	1	208	(s)	1	573
December	323	534	1	859	224	213	(s)	205	(s)	2	645
Average	**225**	**345**	**5**	**575**	**156**	**155**	**1**	**203**	**(s)**	**1**	**516**
2022 January	373	[R] 694	25	[R] 1,092	259	263	4	186	(s)	2	714
February	468	[R] 615	2	[R] 1,085	324	[R] 239	(s)	199	(s)	3	[R] 766
March	303	450	1	[R] 754	210	[R] 188	(s)	208	(s)	2	607
April	203	343	2	[R] 548	141	154	(s)	203	(s)	1	500
May	170	198	5	373	118	109	1	210	(s)	1	440
June	150	138	1	289	104	91	(s)	209	(s)	1	405
July	101	124	2	[R] 227	70	86	(s)	203	(s)	1	360
August	86	125	(s)	212	60	87	(s)	210	0	1	357
September	151	150	2	304	105	95	(s)	204	(s)	1	405
October	198	[R] 283	(s)	481	137	[R] 136	(s)	203	0	1	477
November	233	[R] 452	4	[R] 689	161	[R] 188	1	203	(s)	1	[R] 555
December	311	[R] 611	4	[R] 926	215	[R] 237	1	198	(s)	2	654
Average	**227**	**347**	**4**	**579**	**158**	**156**	**1**	**203**	**(s)**	**1**	**519**
2023 January	373	[R] 569	29	[R] 971	259	[R] 224	4	191	(s)	2	681
February	468	552	15	[R] 1,034	324	219	2	201	(s)	3	749
March	303	488	2	[R] 793	210	199	(s)	208	(s)	2	619
April	203	[R] 314	8	[R] 525	141	145	1	207	0	1	496
May	170	212	11	394	118	114	2	210	0	1	444
June	150	[R] 149	4	303	104	94	1	214	0	1	413
July	101	125	10	235	70	87	1	208	0	1	366
August	86	128	2	216	60	88	(s)	214	0	1	362
September	151	151	3	306	105	95	1	204	0	1	405
October	198	251	4	453	137	126	1	210	0	1	[R] 475
November	233	448	1	682	161	187	(s)	204	0	1	554
11-Month Average	**220**	**306**	**8**	**534**	**152**	**143**	**1**	**206**	**(s)**	**1**	**504**
2022 11-Month Average	**220**	**323**	**4**	**547**	**152**	**148**	**1**	**204**	**(s)**	**1**	**506**
2021 11-Month Average	**216**	**328**	**5**	**549**	**150**	**149**	**1**	**203**	**(s)**	**1**	**504**

[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.

R=Revised. 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.

Due to the suspension of Form EIA-782A, *Refiners'/Gas Plant Operators' Monthly Petroleum Product Sales Report*, sectoral distillate and residual fuel oil consumption after April 2022 are estimates.

Table 3.7b Petroleum Consumption: Industrial Sector

(Thousand Barrels per Day)

	Industrial Sector[a]												
			Hydrocarbon Gas Liquids										
			Propane/Propylene										
	Asphalt and Road Oil	Distillate Fuel Oil	Propane	Propylene	Total[b]	Total[c]	Kerosene	Lubricants	Motor Gasoline[d,e]	Petroleum Coke	Residual Fuel Oil	Other[f]	Total
1950 Average	**180**	**328**	**12**	**13**	**24**	**100**	**132**	**43**	**131**	**41**	**617**	**250**	**1,822**
1955 Average	**254**	**466**	**59**	**22**	**81**	**212**	**116**	**47**	**173**	**67**	**686**	**366**	**2,387**
1960 Average	**302**	**476**	**98**	**33**	**131**	**333**	**78**	**48**	**198**	**149**	**689**	**435**	**2,708**
1965 Average	**368**	**541**	**152**	**45**	**197**	**470**	**80**	**62**	**179**	**202**	**689**	**657**	**3,247**
1970 Average	**447**	**577**	**201**	**55**	**256**	**699**	**89**	**70**	**150**	**203**	**708**	**866**	**3,808**
1975 Average	**419**	**630**	**242**	**60**	**302**	**863**	**58**	**68**	**116**	**246**	**658**	**982**	**4,038**
1980 Average	**396**	**621**	**445**	**72**	**516**	**1,293**	**87**	**82**	**82**	**234**	**586**	**1,460**	**4,842**
1985 Average	**425**	**526**	**497**	**72**	**569**	**1,408**	**21**	**75**	**114**	**261**	**326**	**909**	**4,065**
1990 Average	**483**	**541**	**471**	**105**	**576**	**1,364**	**6**	**84**	**97**	**325**	**179**	**1,225**	**4,304**
1995 Average	**486**	**532**	**566**	**157**	**723**	**1,727**	**7**	**80**	**105**	**328**	**147**	**1,180**	**4,594**
2000 Average	**525**	**563**	**500**	**224**	**724**	**1,923**	**8**	**86**	**79**	**361**	**105**	**1,255**	**4,903**
2005 Average	**546**	**594**	**506**	**243**	**749**	**1,666**	**19**	**72**	**187**	**404**	**123**	**1,489**	**5,100**
2006 Average	**521**	**594**	**521**	**268**	**789**	**1,710**	**14**	**71**	**198**	**425**	**104**	**1,557**	**5,193**
2007 Average	**494**	**595**	**536**	**252**	**787**	**1,744**	**6**	**73**	**161**	**412**	**84**	**1,487**	**5,056**
2008 Average	**417**	**637**	**389**	**230**	**619**	**1,510**	**2**	**67**	**131**	**394**	**84**	**1,317**	**4,559**
2009 Average	**360**	**509**	**383**	**267**	**650**	**1,617**	**2**	**61**	**128**	**363**	**57**	**1,175**	**4,272**
2010 Average	**362**	**547**	**371**	**305**	**676**	**1,782**	**4**	**61**	**140**	**310**	**52**	**1,251**	**4,510**
2011 Average	**355**	**586**	**395**	**310**	**705**	**1,794**	**2**	**58**	**138**	**295**	**59**	**1,240**	**4,525**
2012 Average	**340**	**602**	**481**	**308**	**789**	**1,912**	**1**	**53**	**136**	**319**	**30**	**1,165**	**4,559**
2013 Average	**323**	**601**	**526**	**306**	**832**	**2,058**	**1**	**57**	**142**	**295**	**21**	**1,227**	**4,724**
2014 Average	**327**	**648**	**401**	**298**	**698**	**1,974**	**1**	**59**	**114**	**290**	**18**	**1,151**	**4,582**
2015 Average	**343**	**555**	**434**	**295**	**729**	**2,119**	**1**	**64**	**[e] 140**	**295**	**15**	**1,153**	**4,685**
2016 Average	**351**	**548**	**412**	**301**	**714**	**2,120**	**1**	**61**	**142**	**289**	**23**	**1,170**	**4,703**
2017 Average	**351**	**572**	**376**	**309**	**684**	**2,210**	**1**	**56**	**143**	**269**	**22**	**1,228**	**4,852**
2018 Average	**327**	**595**	**392**	**311**	**703**	**2,518**	**1**	**55**	**146**	**278**	**19**	**1,210**	**5,149**
2019 Average	**348**	**573**	**327**	**298**	**626**	**2,598**	**1**	**53**	**145**	**267**	**18**	**1,189**	**5,191**
2020 Average	**343**	**506**	**323**	**278**	**600**	**2,726**	**1**	**50**	**146**	**218**	**14**	**1,116**	**5,120**
2021 January	239	653	349	323	672	3,121	1	56	126	222	16	1,009	5,444
February	206	507	115	266	381	2,024	4	54	127	103	16	924	3,966
March	275	643	297	282	578	2,533	(s)	47	139	215	18	1,108	4,978
April	345	619	120	312	433	2,738	1	53	144	175	9	1,385	5,468
May	388	515	300	338	638	3,044	(s)	52	148	310	17	1,132	5,604
June	512	498	358	318	676	3,141	(s)	55	152	273	22	1,064	5,717
July	473	362	414	311	725	3,098	(s)	53	151	181	22	1,090	5,431
August	492	557	383	311	694	3,161	(s)	47	149	292	21	1,027	5,748
September	473	618	464	286	749	3,073	(s)	46	145	230	22	1,061	5,668
October	453	535	454	276	730	3,041	1	51	147	197	23	1,164	5,611
November	364	728	196	314	511	2,867	1	55	147	214	26	984	5,385
December	221	527	386	324	710	3,270	(s)	47	144	298	28	1,029	5,565
Average	**371**	**563**	**322**	**305**	**627**	**2,933**	**1**	**51**	**143**	**227**	**20**	**1,082**	**5,392**
2022 January	243	691	R 329	298	R 628	R 3,015	4	61	131	201	15	948	R 5,308
February	264	688	R 378	291	R 668	R 2,869	(s)	55	141	183	18	937	R 5,157
March	272	686	297	304	R 601	R 2,947	(s)	68	146	216	23	987	5,346
April	335	565	177	302	479	R 2,760	(s)	60	143	200	19	1,015	R 5,097
May	401	487	R 226	297	523	R 2,716	1	55	148	157	21	1,021	5,006
June	493	549	329	281	610	3,007	(s)	46	148	186	22	1,025	5,475
July	465	372	396	290	686	3,136	(s)	23	143	336	21	1,066	5,562
August	510	514	344	281	R 626	2,777	(s)	65	148	247	21	1,052	5,335
September	472	641	494	261	754	2,908	(s)	48	144	227	27	1,008	5,475
October	453	648	R 332	232	R 564	2,800	(s)	63	143	150	18	991	5,267
November	369	639	R 338	240	R 579	R 2,776	1	52	144	265	22	973	R 5,240
December	256	368	R 249	237	R 486	R 2,464	1	51	140	179	19	963	R 4,440
Average	**378**	**569**	**324**	**276**	**600**	**2,847**	**1**	**54**	**143**	**212**	**20**	**999**	**5,225**
2023 January	231	584	R 294	261	555	R 2,679	4	57	135	100	18	970	R 4,780
February	239	477	268	245	513	R 2,632	2	55	142	198	21	916	R 4,681
March	258	639	R 112	252	363	2,614	(s)	28	146	279	17	944	4,926
April	328	518	R 226	270	497	R 2,868	1	41	146	292	13	1,039	R 5,246
May	406	522	187	276	463	3,011	2	47	148	206	13	1,054	5,409
June	472	496	R 386	267	R 653	R 3,153	1	47	151	159	15	1,010	R 5,503
July	461	331	351	266	617	3,172	2	46	147	98	14	1,064	5,335
August	512	638	432	272	705	2,962	(s)	36	151	271	18	1,019	5,608
September	476	539	383	260	643	2,919	1	39	144	350	13	992	5,472
October	451	590	509	239	R 748	R 3,159	1	46	148	224	15	931	R 5,565
November	331	609	315	279	594	3,175	(s)	27	144	411	20	989	5,706
11-Month Average	**380**	**541**	**315**	**263**	**578**	**2,942**	**1**	**43**	**146**	**235**	**16**	**994**	**5,297**
2022 11-Month Average	**390**	**588**	**330**	**280**	**610**	**2,883**	**1**	**54**	**144**	**216**	**21**	**1,003**	**5,298**
2021 11-Month Average	**385**	**567**	**316**	**304**	**619**	**2,902**	**1**	**52**	**143**	**220**	**19**	**1,087**	**5,376**

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

[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, and refinery olefins (ethylene, propylene, butylene, and isobutylene). Through 1983, also includes plant condensate and unfractionated stream. Through 2021, also includes natural gasoline (pentanes plus).

[d] Finished motor gasoline. Through 1963, also includes special naphthas. Beginning in 1993, also includes fuel ethanol blended into motor gasoline.

[e] 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.

[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 (through 2021), 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. (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.

Due to the suspension of Form EIA-782A, *Refiners'/Gas Plant Operators' Monthly Petroleum Product Sales Report,* sectoral distillate and residual fuel oil consumption after April 2022 are estimates.

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] Propane[d]	Jet Fuel[e]	Lubricants	Motor Gasoline[f,g]	Residual Fuel Oil	Other[h]	Total	Distillate Fuel Oil[i]	Petroleum Coke	Residual Fuel Oil[j]	Total
1950 Average	**108**	**226**	**2**	**(e)**	**64**	**2,433**	**524**	**NA**	**3,356**	**15**	**NA**	**192**	**207**
1955 Average	**192**	**372**	**9**	**154**	**70**	**3,221**	**440**	**NA**	**4,458**	**15**	**NA**	**191**	**206**
1960 Average	**161**	**418**	**13**	**371**	**68**	**3,736**	**367**	**NA**	**5,135**	**10**	**NA**	**231**	**241**
1965 Average	**120**	**514**	**23**	**602**	**67**	**4,374**	**336**	**NA**	**6,036**	**14**	**NA**	**302**	**316**
1970 Average	**55**	**738**	**32**	**967**	**66**	**5,589**	**332**	**NA**	**7,778**	**66**	**9**	**853**	**928**
1975 Average	**39**	**998**	**31**	**992**	**70**	**6,512**	**310**	**NA**	**8,951**	**107**	**1**	**1,280**	**1,388**
1980 Average	**35**	**1,311**	**13**	**1,062**	**77**	**6,441**	**608**	**NA**	**9,546**	**79**	**2**	**1,069**	**1,151**
1985 Average	**27**	**1,491**	**21**	**1,218**	**71**	**6,667**	**342**	**NA**	**9,838**	**40**	**3**	**435**	**478**
1990 Average	**24**	**1,722**	**16**	**1,522**	**80**	**7,080**	**443**	**NA**	**10,888**	**45**	**14**	**507**	**566**
1995 Average	**21**	**1,973**	**13**	**1,514**	**76**	**7,674**	**397**	**NA**	**11,668**	**51**	**37**	**247**	**334**
2000 Average	**20**	**2,422**	**8**	**1,725**	**81**	**8,370**	**386**	**NA**	**13,012**	**82**	**45**	**378**	**505**
2005 Average	**19**	**2,858**	**20**	**1,679**	**68**	**8,948**	**365**	**NA**	**13,957**	**54**	**111**	**382**	**547**
2006 Average	**18**	**3,017**	**20**	**1,633**	**67**	**9,029**	**395**	**NA**	**14,178**	**35**	**97**	**157**	**289**
2007 Average	**17**	**3,037**	**16**	**1,622**	**69**	**9,093**	**433**	**NA**	**14,287**	**42**	**78**	**173**	**293**
2008 Average	**15**	**2,738**	**29**	**1,539**	**64**	**8,834**	**402**	**NA**	**13,621**	**34**	**70**	**104**	**209**
2009 Average	**14**	**2,626**	**20**	**1,393**	**57**	**8,841**	**344**	**(h)**	**13,297**	**33**	**63**	**79**	**175**
2010 Average	**15**	**2,764**	**[d] 3**	**1,432**	**70**	**8,824**	**389**	**(h)**	**13,496**	**38**	**65**	**67**	**170**
2011 Average	**15**	**2,849**	**3**	**1,425**	**67**	**8,591**	**338**	**(h)**	**13,289**	**30**	**66**	**41**	**137**
2012 Average	**14**	**2,719**	**3**	**1,398**	**61**	**8,525**	**291**	**(h)**	**13,011**	**25**	**41**	**33**	**99**
2013 Average	**12**	**2,804**	**4**	**1,434**	**65**	**8,679**	**253**	**(h)**	**13,252**	**26**	**59**	**34**	**119**
2014 Average	**12**	**2,928**	**5**	**1,470**	**67**	**8,778**	**195**	**(h)**	**13,455**	**39**	**57**	**41**	**137**
2015 Average	**11**	**2,974**	**7**	**1,548**	**74**	**[g] 8,835**	**202**	**(h)**	**13,651**	**33**	**54**	**41**	**128**
2016 Average	**11**	**2,944**	**8**	**1,614**	**70**	**8,973**	**271**	**(h)**	**13,891**	**26**	**57**	**31**	**113**
2017 Average	**11**	**2,976**	**9**	**1,682**	**64**	**8,988**	**290**	**(h)**	**14,019**	**26**	**47**	**29**	**101**
2018 Average	**12**	**3,118**	**9**	**1,707**	**62**	**8,984**	**263**	**(h)**	**14,156**	**38**	**49**	**34**	**121**
2019 Average	**13**	**3,127**	**9**	**1,743**	**59**	**8,965**	**231**	**(h)**	**14,146**	**26**	**36**	**26**	**88**
2020 Average	**11**	**2,935**	**6**	**1,076**	**52**	**7,703**	**170**	**(h)**	**11,953**	**21**	**42**	**23**	**86**
2021 January	11	2,677	7	1,131	59	7,420	202	84	11,591	23	46	27	96
February	5	2,715	7	1,087	56	7,516	206	122	11,714	68	49	31	148
March	9	2,904	7	1,150	50	8,217	240	130	12,707	22	42	21	85
April	15	3,047	7	1,292	55	8,492	108	132	13,148	25	29	20	74
May	9	3,061	7	1,292	55	8,724	225	143	13,515	24	35	21	80
June	17	3,157	7	1,426	58	8,994	300	129	14,088	27	32	24	84
July	11	3,113	7	1,501	56	8,932	304	123	14,047	23	45	24	92
August	15	3,247	7	1,563	50	8,821	287	144	14,136	28	49	35	112
September	14	3,125	7	1,485	48	8,581	290	109	13,658	23	43	29	94
October	12	3,060	7	1,467	53	8,672	308	164	13,743	24	42	24	89
November	10	3,026	7	1,507	57	8,666	360	158	13,791	27	54	23	103
December	11	2,846	7	1,517	49	8,530	379	155	13,496	30	40	23	93
Average	**12**	**2,999**	**7**	**1,370**	**54**	**8,469**	**268**	**133**	**13,312**	**28**	**42**	**25**	**95**
2022 January	7	2,723	7	1,418	64	7,745	209	125	12,299	83	39	78	199
February	13	2,848	7	1,418	58	8,310	275	141	13,070	37	45	31	113
March	14	2,957	7	1,520	71	8,651	317	153	13,691	27	35	24	86
April	11	3,044	7	1,547	63	8,453	216	163	13,503	22	37	20	80
May	9	3,075	7	1,591	58	8,761	277	156	13,933	26	39	22	88
June	17	3,217	7	1,686	48	8,718	274	200	14,167	30	46	21	97
July	9	3,150	7	1,603	24	8,465	262	165	13,684	30	34	29	92
August	18	3,253	7	1,654	69	8,757	328	183	14,269	28	38	26	93
September	11	3,168	7	1,534	50	8,499	407	170	13,847	23	46	29	99
October	12	3,156	7	1,558	66	8,461	229	198	13,686	24	42	29	95
November	13	3,001	7	1,584	55	8,480	309	190	13,640	25	38	26	90
December	11	2,780	7	1,593	54	8,258	194	187	13,083	118	48	59	224
Average	**12**	**3,032**	**7**	**1,560**	**57**	**8,464**	**275**	**169**	**13,575**	**40**	**41**	**33**	**113**
2023 January	6	2,661	7	1,510	60	7,957	231	209	12,640	24	26	27	77
February	11	2,724	7	1,520	58	8,372	301	209	13,202	26	27	40	93
March	12	2,929	7	1,606	29	8,653	202	237	13,676	23	18	26	68
April	9	3,016	7	1,615	43	8,642	136	235	13,704	22	18	26	66
May	14	3,096	7	1,673	50	8,747	184	311	14,081	24	19	25	68
June	14	3,186	7	1,735	49	8,914	219	299	14,424	22	24	26	73
July	15	3,126	7	1,770	48	8,659	216	257	14,098	20	40	30	90
August	15	3,326	7	1,710	38	8,934	280	293	14,602	24	41	28	93
September	7	3,108	7	1,692	41	8,485	173	306	13,819	19	37	35	91
October	17	3,121	7	1,688	48	8,736	220	281	14,117	21	20	30	70
November	10	2,984	7	1,618	28	8,497	306	252	13,701	24	15	28	67
11-Month Average	**12**	**3,027**	**7**	**1,650**	**45**	**8,601**	**224**	**263**	**13,829**	**23**	**26**	**29**	**78**
2022 11-Month Average	**12**	**3,055**	**7**	**1,557**	**57**	**8,483**	**282**	**168**	**13,620**	**32**	**40**	**31**	**103**
2021 11-Month Average	**12**	**3,014**	**7**	**1,356**	**54**	**8,463**	**258**	**131**	**13,295**	**28**	**42**	**25**	**96**

[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 biodiesel and renewable diesel fuel blended into distillate fuel oil. For 2011–2020, also includes biodiesel adjustments (supply of biodiesel not reported as input on surveys) reclassified as distillate fuel oil adjustments.

[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] Biofuels (excluding fuel ethanol) products supplied. Includes supply of non-fuel ethanol biofuels (such as B100 biodiesel and R100 renewable diesel fuel) not reported as input on surveys. For 2009–2020, data in this category were classified as biofuels (excluding fuel ethanol) adjustments.

[i] 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.

[j] 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.

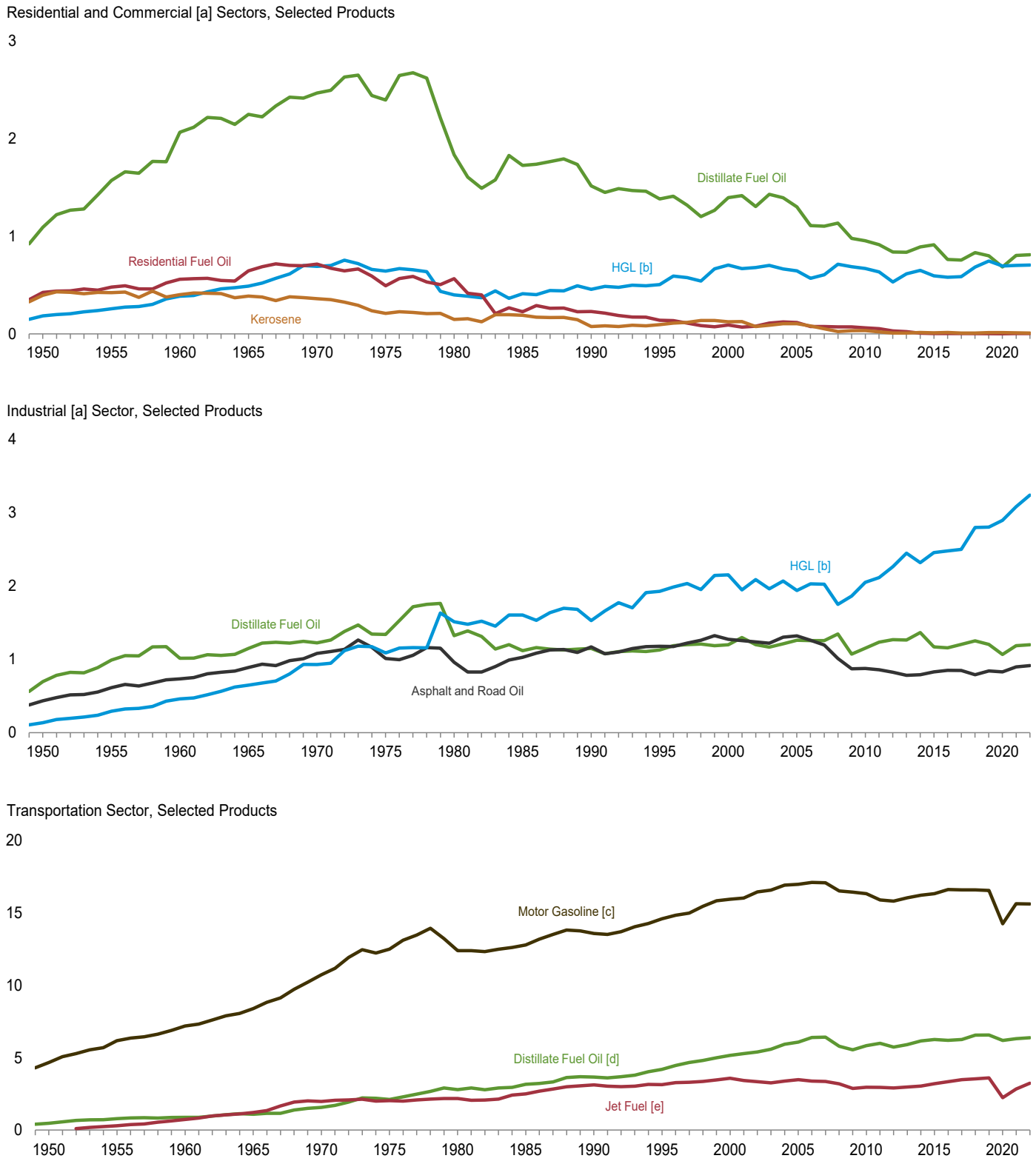
Web Page: See http://www.eia.gov/totalenergy/data/monthly/#petroleum (Excel and CSV files) for all available annual data beginning in 1949 and monthly data beginning in 1973.

Sources: See end of section.

Due to the suspension of Form EIA-782A, *Refiners'/Gas Plant Operators' Monthly Petroleum Product Sales Report*, sectoral distillate and residual fuel oil consumption after April 2022 are estimates.

Figure 3.8a Heat Content of Petroleum Consumption by End-Use Sector, 1949-2022

(Quadrillion Btu)

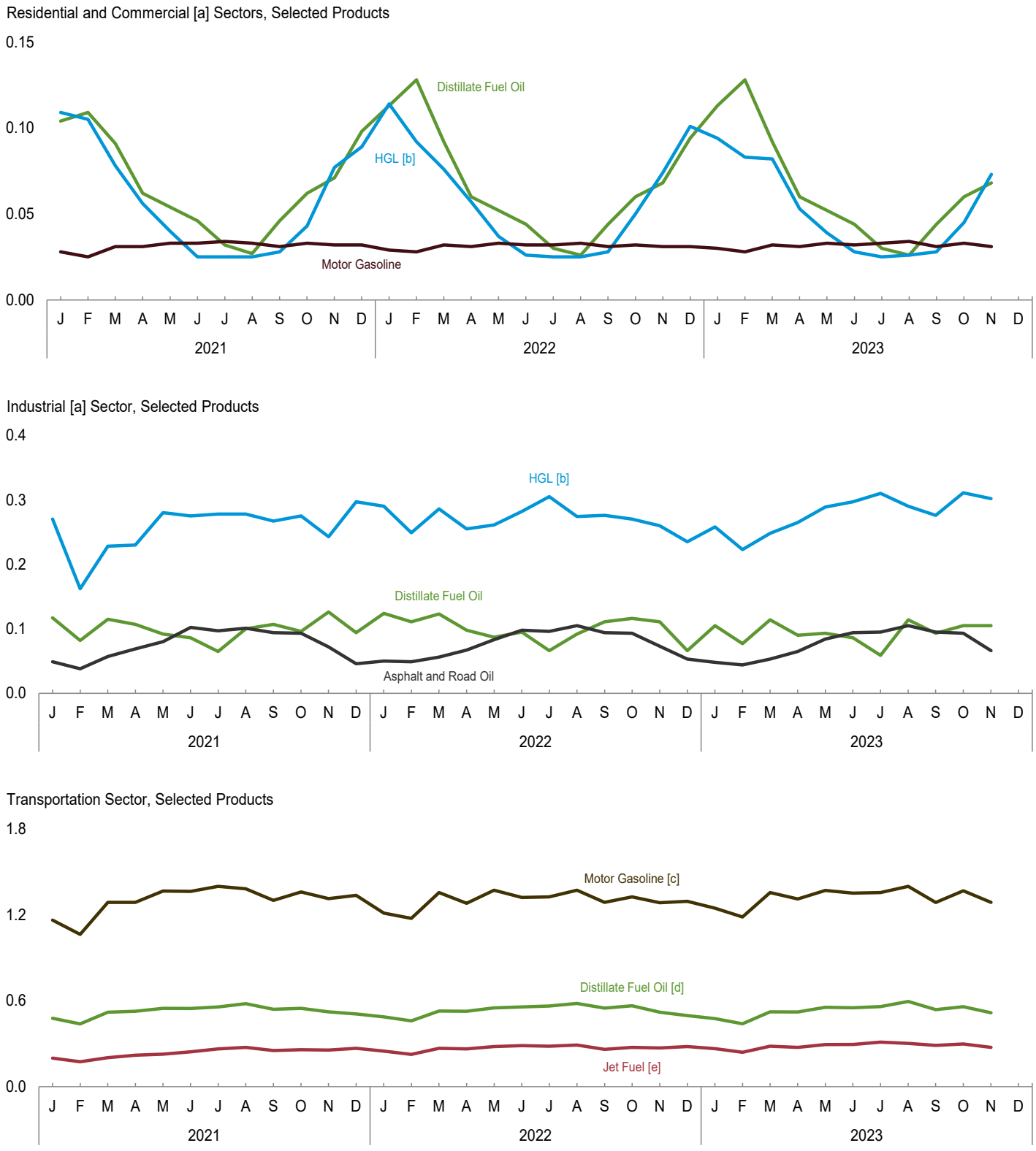


[a] Includes combined-heat-and-power plants and a small number of electricity-only plants.
[b] Hydrocarbon gas liquids.
[c] Beginning in 1993, includes fuel ethanol blended into motor gasoline.
[d] Beginning in 2009, includes biodiesel and renewable diesel fuel blended into distillate fuel oil.
[e] Beginning 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)



[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 biodiesel and renewable diesel fuel 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] Propane	Kero-sene	Total	Distillate Fuel Oil	HGL[b] Propane	Kero-sene	Motor Gasoline[c,d]	Petroleum Coke	Residual Fuel Oil	Total
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**	**2,228**	**494**	**81**	**48**	**67**	**NA**	**559**	**1,248**
1965 Total	**1,713**	**386**	**334**	**2,432**	**534**	**103**	**54**	**77**	**NA**	**645**	**1,413**
1970 Total	**1,878**	**549**	**298**	**2,726**	**587**	**143**	**61**	**86**	**NA**	**714**	**1,592**
1975 Total	**1,807**	**512**	**161**	**2,479**	**587**	**130**	**49**	**89**	**NA**	**492**	**1,346**
1980 Total	**1,316**	**312**	**107**	**1,734**	**518**	**88**	**41**	**107**	**NA**	**565**	**1,318**
1985 Total	**1,092**	**315**	**159**	**1,566**	**631**	**95**	**33**	**96**	**NA**	**228**	**1,083**
1990 Total	**978**	**353**	**64**	**1,395**	**536**	**102**	**12**	**111**	**0**	**230**	**991**
1995 Total	**904**	**395**	**74**	**1,374**	**478**	**109**	**22**	**18**	**(s)**	**141**	**769**
2000 Total	**904**	**556**	**95**	**1,554**	**490**	**151**	**30**	**44**	**(s)**	**92**	**807**
2005 Total	**853**	**514**	**84**	**1,450**	**447**	**132**	**22**	**46**	**(s)**	**116**	**762**
2006 Total	**709**	**446**	**66**	**1,222**	**400**	**123**	**15**	**48**	**(s)**	**75**	**662**
2007 Total	**721**	**484**	**44**	**1,249**	**381**	**122**	**9**	**60**	**(s)**	**75**	**648**
2008 Total	**750**	**553**	**21**	**1,325**	**384**	**158**	**4**	**45**	**(s)**	**71**	**663**
2009 Total	**582**	**548**	**28**	**1,158**	**395**	**139**	**4**	**52**	**(s)**	**71**	**662**
2010 Total	**562**	**530**	**29**	**1,120**	**391**	**140**	**5**	**52**	**(s)**	**62**	**650**
2011 Total	**523**	**493**	**19**	**1,034**	**391**	**143**	**3**	**44**	**(s)**	**54**	**635**
2012 Total	**482**	**396**	**8**	**886**	**355**	**136**	**1**	**39**	**(s)**	**31**	**562**
2013 Total	**491**	**463**	**8**	**963**	**344**	**152**	**1**	**40**	**(s)**	**24**	**561**
2014 Total	**533**	**490**	**14**	**1,036**	**357**	**160**	**2**	**54**	**1**	**8**	**581**
2015 Total	**551**	**446**	**10**	**1,007**	**360**	**148**	**1**	**[d] 376**	**1**	**4**	**890**
2016 Total	**435**	**430**	**14**	**878**	**326**	**150**	**2**	**375**	**(s)**	**4**	**858**
2017 Total	**432**	**431**	**8**	**871**	**323**	**156**	**1**	**361**	**(s)**	**4**	**845**
2018 Total	**508**	**507**	**8**	**1,022**	**323**	**176**	**1**	**366**	**(s)**	**3**	**870**
2019 Total	**471**	**563**	**11**	**1,045**	**327**	**182**	**2**	**369**	**(s)**	**2**	**883**
2020 Total	**408**	**495**	**11**	**914**	**276**	**201**	**2**	**371**	**(s)**	**2**	**853**
2021 January	62	79	1	141	43	30	(s)	28	0	(s)	101
February	65	77	4	145	45	29	1	25	(s)	(s)	100
March	54	55	(s)	109	37	23	(s)	31	(s)	(s)	91
April	37	39	1	76	25	17	(s)	31	0	(s)	74
May	32	26	(s)	58	22	14	(s)	33	0	(s)	69
June	27	15	(s)	42	19	10	(s)	33	0	(s)	62
July	19	15	(s)	34	13	10	(s)	34	0	(s)	57
August	16	15	(s)	31	11	10	(s)	33	0	(s)	55
September	27	17	(s)	45	19	11	(s)	31	0	(s)	61
October	37	29	2	67	26	15	(s)	33	(s)	(s)	73
November	42	55	1	97	29	22	(s)	32	(s)	(s)	83
December	58	64	(s)	122	40	25	(s)	32	(s)	(s)	98
Total	**474**	**484**	**9**	**967**	**328**	**217**	**1**	**375**	**(s)**	**3**	**925**
2022 January	67	83	4	154	46	31	1	29	(s)	(s)	108
February	76	66	(s)	142	52	26	(s)	28	(s)	1	107
March	54	54	(s)	108	38	22	(s)	32	(s)	(s)	93
April	35	[R] 39	(s)	75	24	18	(s)	31	(s)	(s)	73
May	30	24	1	55	21	13	(s)	33	(s)	(s)	67
June	26	16	(s)	42	18	10	(s)	32	(s)	(s)	60
July	18	15	(s)	33	12	10	(s)	32	(s)	(s)	55
August	15	15	(s)	30	11	10	(s)	33	0	(s)	54
September	26	17	(s)	44	18	11	(s)	31	(s)	(s)	60
October	35	34	(s)	69	25	16	(s)	32	0	(s)	73
November	40	52	1	93	28	22	(s)	31	(s)	(s)	81
December	56	73	1	129	39	28	(s)	31	(s)	(s)	98
Total	**479**	**487**	**8**	**974**	**332**	**218**	**1**	**374**	**(s)**	**3**	**929**
2023 January	67	68	5	140	46	27	1	30	(s)	(s)	104
February	76	59	2	137	52	24	(s)	28	(s)	1	105
March	54	58	(s)	113	38	24	(s)	32	(s)	(s)	94
April	35	36	1	73	24	17	(s)	31	0	(s)	73
May	30	25	2	58	21	14	(s)	33	0	(s)	68
June	26	17	1	44	18	11	(s)	32	0	(s)	61
July	18	15	2	35	12	10	(s)	33	0	(s)	56
August	15	15	(s)	31	11	10	(s)	34	0	(s)	55
September	26	17	1	44	18	11	(s)	31	0	(s)	60
October	35	30	1	66	25	15	(s)	33	0	(s)	73
November	40	52	(s)	92	28	22	(s)	31	0	(s)	81
11-Month Total	**423**	**393**	**15**	**831**	**293**	**183**	**2**	**348**	**(s)**	**3**	**830**
2022 11-Month Total	**423**	**414**	**8**	**845**	**293**	**190**	**1**	**343**	**(s)**	**3**	**831**
2021 11-Month Total	**416**	**420**	**9**	**846**	**288**	**192**	**1**	**343**	**(s)**	**3**	**827**

[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.

R=Revised. 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.

Due to the suspension of Form EIA-782A, *Refiners'/Gas Plant Operators' Monthly Petroleum Product Sales Report*, sectoral distillate and residual fuel oil consumption after April 2022 are estimates.

Table 3.8b Heat Content of Petroleum Consumption: Industrial Sector

(Trillion Btu)

	Industrial Sector[a]												
			Hydrocarbon Gas Liquids										
			Propane/Propylene										
	Asphalt and Road Oil	Distillate Fuel Oil	Propane	Propylene	Total[b]	Total[c]	Kerosene	Lubricants	Motor Gasoline[d,e]	Petroleum Coke	Residual Fuel Oil	Other[f]	Total
1950 Total	**435**	**698**	**17**	**18**	**34**	**138**	**274**	**94**	**251**	**90**	**1,416**	**546**	**3,943**
1955 Total	**615**	**991**	**83**	**30**	**113**	**293**	**241**	**103**	**332**	**147**	**1,573**	**798**	**5,093**
1960 Total	**734**	**1,016**	**137**	**47**	**184**	**461**	**161**	**107**	**381**	**328**	**1,584**	**947**	**5,720**
1965 Total	**890**	**1,150**	**213**	**63**	**276**	**649**	**165**	**137**	**342**	**444**	**1,582**	**1,390**	**6,750**
1970 Total	**1,082**	**1,226**	**282**	**77**	**359**	**930**	**185**	**155**	**288**	**446**	**1,624**	**1,817**	**7,754**
1975 Total	**1,014**	**1,339**	**339**	**84**	**423**	**1,126**	**119**	**149**	**223**	**540**	**1,509**	**2,071**	**8,092**
1980 Total	**962**	**1,324**	**625**	**100**	**726**	**1,718**	**181**	**182**	**158**	**516**	**1,349**	**3,073**	**9,464**
1985 Total	**1,029**	**1,119**	**696**	**101**	**798**	**1,813**	**44**	**166**	**218**	**575**	**748**	**1,945**	**7,656**
1990 Total	**1,170**	**1,150**	**660**	**147**	**807**	**1,781**	**12**	**186**	**185**	**714**	**411**	**2,589**	**8,200**
1995 Total	**1,178**	**1,130**	**794**	**220**	**1,014**	**2,269**	**15**	**178**	**200**	**721**	**337**	**2,499**	**8,527**
2000 Total	**1,276**	**1,199**	**703**	**315**	**1,017**	**2,498**	**16**	**190**	**150**	**796**	**241**	**2,636**	**9,001**
2005 Total	**1,323**	**1,262**	**709**	**341**	**1,050**	**2,138**	**39**	**160**	**354**	**894**	**281**	**3,122**	**9,574**
2006 Total	**1,261**	**1,258**	**731**	**375**	**1,106**	**2,171**	**30**	**156**	**374**	**938**	**239**	**3,276**	**9,703**
2007 Total	**1,197**	**1,256**	**751**	**352**	**1,103**	**2,207**	**13**	**161**	**302**	**910**	**193**	**3,134**	**9,373**
2008 Total	**1,012**	**1,348**	**547**	**323**	**870**	**1,904**	**4**	**150**	**245**	**870**	**194**	**2,788**	**8,514**
2009 Total	**873**	**1,073**	**537**	**374**	**911**	**1,992**	**4**	**135**	**238**	**805**	**130**	**2,483**	**7,733**
2010 Total	**878**	**1,153**	**520**	**428**	**947**	**2,207**	**7**	**136**	**260**	**694**	**120**	**2,645**	**8,099**
2011 Total	**859**	**1,236**	**554**	**434**	**988**	**2,172**	**4**	**127**	**254**	**663**	**135**	**2,621**	**8,071**
2012 Total	**827**	**1,271**	**677**	**432**	**1,109**	**2,351**	**2**	**118**	**252**	**717**	**70**	**2,474**	**8,082**
2013 Total	**783**	**1,266**	**737**	**429**	**1,165**	**2,545**	**1**	**125**	**263**	**663**	**48**	**2,583**	**8,278**
2014 Total	**793**	**1,366**	**562**	**417**	**978**	**2,409**	**3**	**131**	**210**	**653**	**41**	**2,430**	**8,035**
2015 Total	**832**	**1,170**	**609**	**413**	**1,022**	**2,618**	**2**	**142**	[e] **258**	**663**	**34**	**2,435**	**8,153**
2016 Total	**853**	**1,157**	**579**	**423**	**1,002**	**2,592**	**2**	**135**	**262**	**653**	**52**	**2,553**	**8,261**
2017 Total	**849**	**1,205**	**527**	**432**	**959**	**2,673**	**1**	**125**	**264**	**610**	**50**	**2,667**	**8,446**
2018 Total	**793**	**1,254**	**550**	**436**	**985**	**3,024**	**2**	**122**	**269**	**629**	**43**	**2,630**	**8,766**
2019 Total	**844**	**1,206**	**459**	**418**	**877**	**3,139**	**1**	**118**	**267**	**602**	**41**	**2,585**	**8,803**
2020 Total	**832**	**1,068**	**454**	**390**	**843**	**3,252**	**3**	**111**	**269**	**495**	**32**	**2,433**	**8,495**
2021 January	49	117	42	38	80	323	(s)	11	20	43	3	187	752
February	38	82	12	29	41	185	1	9	18	18	3	155	509
March	57	115	35	33	69	260	(s)	9	22	41	3	205	712
April	69	107	14	36	50	265	(s)	10	22	33	2	246	753
May	80	92	36	40	76	309	(s)	10	23	59	3	209	786
June	102	86	41	37	78	314	(s)	10	23	51	4	191	781
July	97	65	49	37	86	319	(s)	10	24	35	4	202	756
August	101	100	46	37	83	327	(s)	9	23	56	4	191	811
September	94	107	53	33	86	306	(s)	8	22	43	4	190	775
October	93	96	54	33	87	306	(s)	10	23	38	5	216	786
November	72	126	23	36	59	277	(s)	10	22	40	5	177	729
December	46	94	46	38	84	328	(s)	9	23	57	5	191	753
Total	**898**	**1,186**	**451**	**427**	**878**	**3,519**	**1**	**113**	**264**	**515**	**46**	**2,360**	**8,904**
2022 January	50	124	39	35	75	290	1	12	21	39	3	176	[R] 714
February	49	111	41	31	72	249	(s)	9	20	32	3	158	632
March	56	123	35	36	72	286	(s)	13	23	42	5	184	730
April	67	98	20	35	55	255	(s)	11	22	37	4	183	676
May	83	87	27	35	62	261	(s)	10	23	31	4	191	689
June	98	95	38	32	70	282	(s)	8	22	35	4	186	731
July	96	66	47	34	82	305	(s)	4	22	65	4	199	762
August	105	92	41	33	74	274	(s)	12	23	48	4	196	754
September	94	111	57	30	87	276	(s)	9	22	43	5	182	742
October	93	116	40	28	67	270	(s)	12	22	29	4	185	731
November	73	111	39	28	[R] 67	260	(s)	10	22	50	4	176	705
December	53	66	[R] 30	28	58	235	(s)	10	22	35	4	180	603
Total	**916**	**1,199**	**454**	**386**	**840**	**3,242**	**1**	**120**	**264**	**485**	**47**	**2,196**	**8,470**
2023 January	48	105	35	31	66	258	1	11	21	20	4	181	646
February	44	77	29	26	55	223	(s)	9	20	35	4	155	567
March	53	114	13	30	43	248	(s)	5	23	54	3	176	676
April	65	90	26	31	57	265	(s)	7	22	54	2	187	694
May	84	93	22	33	55	289	(s)	9	23	40	3	196	737
June	94	86	44	31	75	297	(s)	8	23	30	3	183	724
July	95	59	42	32	73	310	(s)	9	23	19	3	199	717
August	105	114	51	32	84	290	(s)	7	24	52	3	191	786
September	95	93	44	30	74	276	(s)	7	22	65	2	179	740
October	93	105	61	28	89	311	(s)	9	23	43	3	174	[R] 760
November	66	105	36	32	68	302	(s)	5	22	76	4	178	758
11-Month Total	**841**	**1,042**	**404**	**336**	**741**	**3,068**	**2**	**86**	**246**	**487**	**34**	**1,998**	**7,805**
2022 11-Month Total	**863**	**1,133**	**424**	**358**	**782**	**3,008**	**1**	**110**	**242**	**450**	**43**	**2,016**	**7,866**
2021 11-Month Total	**853**	**1,092**	**405**	**389**	**794**	**3,191**	**1**	**105**	**242**	**458**	**40**	**2,169**	**8,151**

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

[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, and refinery olefins (ethylene, propylene, butylene, and isobutylene). Through 1983, also includes plant condensate and unfractionated stream. Through 2021, also includes natural gasoline (pentanes plus).

[d] Finished motor gasoline. Through 1963, also includes special naphthas. Beginning in 1993, also includes fuel ethanol blended into motor gasoline.

[e] 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.

[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 (through 2021), 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. (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.

Due to the suspension of Form EIA-782A, *Refiners'/Gas Plant Operators' Monthly Petroleum Product Sales Report*, sectoral distillate and residual fuel oil consumption after April 2022 are estimates.

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] Propane[d]	Jet Fuel[e]	Lubricants	Motor Gasoline[f,g]	Residual Fuel Oil	Other[h]	Total	Distillate Fuel Oil[i]	Petroleum Coke	Residual Fuel Oil[j]	Total
1950 Total	199	480	3	(e)	141	4,664	1,201	NA	6,690	32	NA	440	472
1955 Total	354	791	13	301	155	6,175	1,009	NA	8,799	32	NA	439	471
1960 Total	298	892	19	739	152	7,183	844	NA	10,125	22	NA	530	553
1965 Total	222	1,093	32	1,215	149	8,386	770	NA	11,866	29	NA	693	722
1970 Total	100	1,569	44	1,973	147	10,716	761	NA	15,311	141	19	1,958	2,117
1975 Total	71	2,121	43	2,029	155	12,485	711	NA	17,615	226	2	2,937	3,166
1980 Total	64	2,795	18	2,179	172	12,383	1,398	NA	19,009	169	5	2,459	2,634
1985 Total	50	3,170	30	2,497	156	12,784	786	NA	19,472	85	7	998	1,090
1990 Total	45	3,661	23	3,129	176	13,575	1,016	NA	21,626	97	30	1,163	1,289
1995 Total	40	4,191	18	3,132	168	14,576	911	NA	23,036	108	81	566	755
2000 Total	36	5,159	12	3,580	179	15,933	888	NA	25,787	175	99	871	1,144
2005 Total	35	6,068	28	3,475	151	16,958	837	NA	27,553	114	231	876	1,222
2006 Total	33	6,390	28	3,379	147	17,088	906	NA	27,972	73	203	361	637
2007 Total	32	6,411	22	3,358	152	17,066	994	NA	28,034	89	163	397	648
2008 Total	28	5,792	40	3,193	141	16,510	926	NA	26,630	73	146	240	459
2009 Total	27	5,537	28	2,883	127	16,425	791	(h)	25,817	70	132	181	382
2010 Total	27	5,826	[d] 5	2,963	155	16,320	892	(h)	26,187	80	137	154	370
2011 Total	27	5,997	5	2,950	148	15,877	776	(h)	25,780	64	138	93	295
2012 Total	25	5,736	5	2,901	135	15,795	671	(h)	25,268	52	85	77	214
2013 Total	22	5,894	6	2,969	143	16,030	581	(h)	25,645	55	123	77	255
2014 Total	22	6,154	8	3,042	149	16,209	447	(h)	26,030	82	118	95	295
2015 Total	21	6,251	10	3,204	163	[g] 16,308	463	(h)	26,420	70	112	94	276
2016 Total	20	6,197	12	3,350	154	16,601	623	(h)	26,958	55	118	71	244
2017 Total	21	6,248	12	3,481	142	16,576	665	(h)	27,146	55	97	66	218
2018 Total	22	6,550	13	3,533	137	16,573	604	(h)	27,432	81	101	78	260
2019 Total	23	6,567	12	3,608	131	16,531	529	(h)	27,402	54	76	59	189
2020 Total	20	6,179	9	2,234	116	14,243	391	(h)	23,191	44	87	53	184
2021 January	2	478	1	199	11	1,162	39	14	1,906	4	8	5	18
February	1	438	1	173	10	1,063	36	18	1,739	11	8	5	24
March	1	519	1	202	9	1,286	47	22	2,087	4	7	4	15
April	2	527	1	220	10	1,287	20	22	2,088	4	5	4	13
May	1	547	1	227	10	1,366	44	24	2,220	4	6	4	15
June	3	546	1	243	11	1,363	57	21	2,242	5	6	4	15
July	2	556	1	264	11	1,398	59	21	2,311	4	8	5	17
August	2	580	1	275	9	1,381	56	24	2,329	5	9	7	21
September	2	540	1	253	9	1,300	55	18	2,177	4	7	5	17
October	2	547	1	258	10	1,358	60	28	2,262	4	7	5	16
November	2	523	1	256	10	1,313	68	26	2,199	5	9	4	18
December	2	508	1	267	9	1,335	74	26	2,222	5	7	4	17
Total	22	6,309	10	2,835	119	15,611	615	263	25,783	60	88	57	205
2022 January	1	487	1	249	12	1,212	41	21	2,024	15	7	15	37
February	2	459	1	225	10	1,175	48	21	1,942	6	7	5	19
March	2	528	1	267	13	1,354	62	26	2,254	5	6	5	16
April	2	526	1	263	11	1,280	41	27	2,151	4	6	4	14
May	1	549	1	280	11	1,371	54	26	2,294	5	7	4	16
June	3	556	1	287	9	1,321	52	33	2,260	5	8	4	17
July	1	563	1	282	4	1,325	51	28	2,255	5	6	6	17
August	3	581	1	291	13	1,371	64	31	2,354	5	7	5	17
September	2	548	1	261	9	1,287	77	28	2,212	4	8	5	17
October	2	564	1	274	13	1,324	45	33	2,255	4	7	6	17
November	2	519	1	270	10	1,284	58	31	2,175	4	7	5	16
December	2	497	1	280	10	1,293	38	31	2,151	21	8	11	41
Total	22	6,377	10	3,228	125	15,597	630	336	26,326	83	85	76	244
2023 January	1	475	1	265	11	1,245	45	35	2,079	4	5	5	14
February	1	439	1	241	10	1,184	53	32	1,961	4	4	7	16
March	2	523	1	282	5	1,354	39	40	2,248	4	3	5	13
April	1	521	1	275	8	1,309	26	38	2,179	4	3	5	12
May	2	553	1	294	9	1,369	36	53	2,317	4	3	5	12
June	2	551	1	295	9	1,350	41	49	2,298	4	4	5	13
July	2	559	1	311	9	1,355	42	43	2,323	4	7	6	17
August	2	594	1	301	7	1,398	55	49	2,407	4	7	5	17
September	1	537	1	288	8	1,285	33	50	2,202	3	6	7	16
October	3	558	1	297	9	1,367	43	47	2,324	4	4	6	13
November	1	516	1	275	5	1,287	58	41	2,184	4	3	5	12
11-Month Total	20	5,826	9	3,124	90	14,505	470	478	24,523	44	50	61	154
2022 11-Month Total	21	5,880	9	2,948	115	14,305	592	305	24,175	62	76	64	203
2021 11-Month Total	20	5,800	9	2,568	110	14,275	541	237	23,561	54	81	53	188

[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 biodiesel and renewable diesel fuel blended into distillate fuel oil. For 2011–2020, also includes biodiesel adjustments (supply of biodiesel not reported as input on surveys) reclassified as distillate fuel oil adjustments.

[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] Biofuels (excluding fuel ethanol) products supplied. Includes supply of non-fuel ethanol biofuels (such as B100 biodiesel and R100 renewable diesel fuel) not reported as input on surveys. For 2009–2020, data in this category were classified as biofuels (excluding fuel ethanol) adjustments.

[i] 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.

[j] 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.

Due to the suspension of Form EIA-782A, *Refiners'/Gas Plant Operators' Monthly Petroleum Product Sales Report*, sectoral distillate and residual fuel oil consumption after April 2022 are estimates.

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 1.12a and 1.12b). In general, except for crude oil, product supplied of each product is computed as follows: field production, plus transfers to crude oil supply, plus biofuels 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 revisions at https://www.eia.gov/petroleum/data.php#summary; *Petroleum Supply Monthly*, monthly reports, and revisions at https://www.eia.gov/petroleum/data.php#summary; 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.)

1981–2022: EIA, *Petroleum Supply Annual*, annual reports, revisions at https://www.eia.gov/petroleum/data.php#summary, 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.)

2023 and 2024: 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.)

1981–2022: EIA, *Petroleum Supply Annual*, annual reports, revisions at https://www.eia.gov/petroleum/data.php#summary, 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.)

2023 and 2024: EIA, *Petroleum Supply Monthly,* monthly reports, and revisions at https://www.eia.gov/petroleum/data.php#summary; 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.

2009–2011: Consumption data for biodiesel are calculated using biodiesel data from U.S. Energy Information Administration (EIA), EIA-22M, "Monthly Biodiesel Production Survey"; and "biomass-based diesel fuel" data from EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," and EIA-815, "Monthly Bulk Terminal and Blender Report" (the data are converted to Btu by multiplying by the biodiesel heat content factor in Table A1). Refinery and blender net inputs data for renewable diesel fuel are set equal to "other renewable diesel fuel" data from EIA-810, "Monthly Refinery Report," and EIA-815, "Monthly Bulk Terminal and Blender Report" (the data are converted to Btu by multiplying by the renewable diesel fuel heat content factor in Table A1). Product supplied data for distillate fuel oil from Table 3.5, minus consumption data for biodiesel and refinery and blender net inputs data for renewable diesel fuel, 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 values for distillate fuel oil (excluding biodiesel and renewable diesel fuel), biodiesel, and renewable diesel fuel.

2012–2020: Consumption data for biodiesel are from Table 10.4a. Refinery and blender net inputs data for renewable diesel fuel are set equal to "other renewable diesel fuel" data from EIA-810, "Monthly Refinery Report," and EIA-815, "Monthly Bulk Terminal and Blender Report" (the data are converted to Btu by multiplying by the renewable diesel fuel heat content factor in Table A1). Product supplied data for distillate fuel oil from Table 3.5, minus consumption data for biodiesel and refinery and blender net inputs data for renewable diesel fuel, 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 the values for distillate fuel oil (excluding biodiesel and renewable diesel fuel), biodiesel, and renewable diesel fuel.

2021 forward: Refinery and blender net inputs data for biodiesel and renewable diesel fuel are set equal to refinery and blender net inputs data from EIA-810, "Monthly Refinery Report," and EIA-815, "Monthly Bulk Terminal and Blender Report" (the data are converted to Btu by multiplying by the biodiesel and renewable diesel fuel heat content factors in Table A1). Product supplied data for distillate fuel oil from Table 3.5, minus refinery and blender net inputs data for biodiesel and renewable diesel fuel, 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 the values for distillate fuel oil (excluding biodiesel and renewable diesel fuel), biodiesel, and renewable diesel fuel.

Hydrocarbon Gas Liquids (HGL)—Propane

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

Hydrocarbon Gas Liquids (HGL)—Propylene
Product supplied data in thousand barrels per day for propylene are from Table 3.5, and are converted to trillion Btu by multiplying by the propylene heat content factor in Table A1.

Hydrocarbon Gas Liquids (HGL)—Propane/Propylene Total
Prior to the current two months, total propane/propylene product supplied is the sum of the data in trillion Btu for propane and propylene.

For the current two months, product supplied data in thousand barrels per day for total propane/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 (through 2021), 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). 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). Total HGL product supplied is equal to the data in trillion Btu for LPG.

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.

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.

Other Products

Prior to the current two months, product supplied data in thousand barrels per day for "other" products are from the PSA, PSM, and earlier publications (see sources for Table 3.5). "Other" 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; and beginning in 2021, also includes biofuels excluding fuel ethanol (biodiesel, renewable diesel fuel, and other biofuels). These data are converted to trillion Btu by multiplying by the appropriate heat content factors in MER Table A1. Total "Other" products supplied is the sum of the data in trillion Btu for the individual products.

For the current two months, total "Other" 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.

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.

1981–2022: EIA, *Petroleum Supply Annual* (PSA), annual reports, and revisions at https://www.eia.gov/petroleum/data.php#summary.

2023: EIA, *Petroleum Supply Monthly* (PSM), monthly reports, and revisions at https://www.eia.gov/petroleum/data.php#summary.

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.

Biofuels Excluding Fuel Ethanol

Beginning in 2021, biofuels excluding fuel ethanol consumption is assigned to the transportation sector. Biofuels excluding fuel ethanol consumption consists of products supplied of biodiesel, renewable diesel fuel, and other biofuels; consumption does not include biofuels blended with distillate fuel oil, motor gasoline, or other petroleum products.

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. Through 2020, 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), annual reports.

1973–1978: 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 (including farm) portion is added to sales for oil company, off-highway diesel, and all other uses. The transportation sector sales total is the sum of sales for railroad, vessel bunkering, on-highway diesel, and military uses.

1979–2020: The residential sector and commercial sector sales totals are directly from the Sales reports. The industrial sector sales total is the sum of sales for industrial, farm, oil company, off-highway diesel, and all other uses. The transportation sector sales total is the sum of sales for railroad, vessel bunkering, on-highway diesel, and military uses.

2021 forward: 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 consumption as reported in EIA's State Energy Data System (SEDS). Shares for the current year are based on the most recent data year in SEDS.

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. (Note that beginning in May 2022, residential sector and commercial sector consumption estimates for each month are based on the previous year's monthly percent increase in No. 2 heating oil sales.)

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.

Annual residential sector propane consumption: Through 2002, annual residential sector propane 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, annual residential sector propane consumption is assumed to equal propane retail sales to the residential sector and sales to retailers/cylinder markets.

Monthly residential sector propane consumption: Beginning in 1973, annual residential sector propane consumption is split into the estimated portion for residential space heating and water heating, and the estimated portion for all other residential uses. The annual values in thousand barrels for residential space heating and water heating are allocated to the months in proportion to U.S. heating degree days in Table 1.10. The annual values in thousand barrels for all other residential uses are allocated to the months by dividing the annual values by the number of days in the year and then multiplying by the number of days in the month. Monthly total residential sector propane consumption is the sum of the monthly values for residential space heating and water heating and for all other residential uses.

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

Monthly commercial sector propane consumption: Beginning in 1973, annual commercial sector propane consumption is split into the estimated portion for commercial space heating and water heating, and the estimated portion for all other commercial uses. The annual values in thousand barrels for commercial space heating and water heating are allocated to the months in proportion to U.S. heating degree days in Table 1.10. The annual values in thousand barrels for all other commercial uses are allocated to the months by dividing the annual values by the number of days in the year and then multiplying by the number of days in the month. Monthly total commercial sector propane consumption is the sum of the monthly values for commercial space heating and water heating and for all other commercial uses.

Annual transportation sector propane consumption: Through 2009, annual transportation sector propane 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, annual transportation sector propane consumption is from EIA, *Annual Energy Outlook,* Table 37, "Transportation Sector Energy Use by Fuel Type within a Mode."

Monthly transportation sector propane consumption: Beginning in 1973, the annual values in thousand barrels for transportation sector propane consumption are allocated to the months by dividing the annual values by the number of days in the year and then multiplying by the number of days in the month.

Annual and monthly industrial sector propane consumption: Industrial sector propane consumption is estimated as the difference between propane total product supplied from Table 3.5 and the sum of the estimated propane consumption by the residential, commercial, and transportation sectors.

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.

2010–2016: 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.

2017 forward: Propane consumption is from Propane Education & Research Council, “Retail Propane Sales Report,” data on propane sales by sector; 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.

Hydrocarbon Gas Liquids (HGL)—Propylene

Industrial sector propylene consumption is equal to propylene product supplied in Table 3.5.

Hydrocarbon Gas Liquids (HGL)—Propane/Propylene Total

Industrial sector total propane/propylene consumption is the sum of the industrial sector consumption values for propane and propylene.

Hydrocarbon Gas Liquids (HGL)—Total

The residential, commercial, and transportation sector total HGL consumption values are equal to the propane consumption values for those sectors. The industrial sector total HGL consumption value is equal to total HGL product supplied in Table 3.5 minus propane consumption in the residential, commercial, and transportation sectors.

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

Through 2020, 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), annual reports.

1973–1978: Each year's sales category called "heating" is allocated to the residential, commercial, and industrial (including farm) sectors in proportion to the 1979 shares; and this estimated industrial (including farm) portion is added to sales for all other uses.

1979–2020: The residential sector and commercial sector sales totals are directly from the Sales reports. The industrial sector sales total is the sum of sales for industrial, farm, and all other uses.

2021 forward: Kerosene product supplied is allocated to the individual end-use sectors (residential, commercial, and industrial) in proportion to each sector’s share of consumption as reported in EIA’s State Energy Data System (SEDS). Shares for the current year are based on the most recent data year in SEDS.

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. Through 2020, 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), annual reports.

1973–1978: 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 this estimated industrial portion is added to sales for oil company and all other uses. Transportation sector sales are the sum of sales for railroad, vessel bunkering, and military uses.

1979–2020: Commercial sector sales are directly from the Sales reports. Industrial sector sales are the sum of sales for industrial, oil company, and all other uses. Transportation sector sales are the sum of sales for railroad, vessel bunkering, and military uses.

2021 forward: 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 consumption as reported in EIA's State Energy Data System (SEDS). Shares for the current year are based on the most recent data year in SEDS.

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. (Note that beginning in May 2022, commercial sector consumption estimates for each month are based on the previous year's monthly percent increase in No. 2 heating oil sales.)

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 Products

Consumption of biofuels excluding fuel ethanol is assigned to the transportation sector. Consumption of all remaining products, which include petrochemical feedstocks, special naphthas, still gas (refinery gas), waxes, and miscellaneous products, is assigned to the industrial sector. 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

Residential and commercial sector consumption data in thousand barrels per day for propane are from Table 3.7a, and are converted to trillion Btu by multiplying by the propane heat content factor in Table A1. The residential and commercial sector total HGL consumption values are equal to the propane consumption values for those sectors.

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

Hydrocarbon Gas Liquids (HGL)—Propylene
Product supplied data in thousand barrels per day for propylene are from Table 3.5, and are converted to trillion Btu by multiplying by the propylene heat content factor in Table A1.

Hydrocarbon Gas Liquids (HGL)—Propane/Propylene Total
Total industrial sector propane/propylene consumption is the sum of the data in trillion Btu for propane and propylene.

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.

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.

Other Products

Industrial sector "Other" data are equal to the "Other" data in Table 3.6 minus transportation sector “Other” (biofuels excluding fuel ethanol) data (see sources for Table 3.8c).

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.

2009–2011: Consumption data for biodiesel are calculated using biodiesel data from U.S. Energy Information Administration (EIA), EIA-22M, “Monthly Biodiesel Production Survey”; and “biomass-based diesel fuel” data from EIA-810, “Monthly Refinery Report,” EIA-812, “Monthly Product Pipeline Report,” and EIA-815, “Monthly Bulk Terminal and Blender Report” (the data are converted to Btu by multiplying by the biodiesel heat content factor in Table A1). Refinery and blender net inputs data for renewable diesel fuel are set equal to “other renewable diesel fuel” data from EIA-810, “Monthly Refinery Report,” and EIA-815, “Monthly Bulk Terminal and Blender Report” (the data are converted to Btu by multiplying by the renewable diesel fuel heat content factor in Table A1). Transportation sector distillate fuel oil consumption data from Table 3.7c, minus consumption data for biodiesel and refinery and blender net inputs data for renewable diesel fuel, 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 the values for distillate fuel oil (excluding biodiesel and renewable diesel fuel), biodiesel, and renewable diesel fuel.

2012–2020: Consumption data for biodiesel are from Table 10.4a. Refinery and blender net inputs data for renewable diesel fuel are set equal to “other renewable diesel fuel” data from EIA-810, “Monthly Refinery Report,” and EIA-815, “Monthly Bulk Terminal and Blender Report” (the data are converted to Btu by multiplying by the renewable diesel fuel heat content factor in Table A1). Transportation sector distillate fuel oil consumption data from Table 3.7c, minus consumption data for biodiesel and refinery and blender net inputs data for renewable diesel fuel, 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 the values for distillate fuel oil (excluding biodiesel and renewable diesel fuel), biodiesel, and renewable diesel fuel.

2021 forward: Refinery and blender net inputs data for biodiesel and renewable diesel fuel are set equal to refinery and blender net inputs data from EIA-810, “Monthly Refinery Report,” and EIA-815, “Monthly Bulk Terminal and Blender Report” (the data are converted to Btu by multiplying by the biodiesel and renewable diesel fuel heat content factors in Table A1). Transportation sector distillate fuel oil consumption data from Table 3.7c, minus refinery and blender net

inputs data for biodiesel and renewable diesel fuel, 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 the values for distillate fuel oil (excluding biodiesel and renewable diesel fuel), biodiesel, and renewable diesel fuel.

Hydrocarbon Gas Liquids (HGL)—Propane

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

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.

Other Products

Beginning in 2021, transportation sector consumption data in thousand barrels per day for biofuels excluding fuel ethanol are from Table 3.7c, and are converted to trillion Btu by multiplying the fuel types (biodiesel, renewable diesel fuel, and other biofuels) by the appropriate heat content factors 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.

THIS PAGE INTENTIONALLY LEFT BLANK