

Table 7. Petroleum net imports, projected versus actual

Projected (million barrels)	Projected																																
	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021				
AEO1994	2,935	3,201	3,362	3,504	3,657	3,738	3,880	3,993	4,099	4,212	4,303	4,398	4,475	4,541	4,584	4,639	4,668	4,672															
AEO1995		2,953	3,157	3,281	3,489	3,610	3,741	3,818	3,920	4,000	4,103	4,208	4,303	4,362	4,420	4,442	4,460	4,460															
AEO1996			3,011	3,106	3,219	3,398	3,519	3,679	3,807	3,891	3,979	4,070	4,165	4,212	4,260	4,289	4,303	4,322	4,325	4,347	4,344	4,318	4,303										
AEO1997				3,099	3,245	3,497	3,665	3,825	3,975	4,084	4,190	4,285	4,380	4,464	4,552	4,617	4,654	4,709	4,760	4,803	4,844	4,865	4,913										
AEO1998					3,303	3,391	3,654	3,713	3,876	4,053	4,137	4,298	4,415	4,556	4,639	4,750	4,910	4,992	5,087	5,221	5,240	5,347	5,445	5,508	5,588	5,677	5,756	5,832					
AEO1999						3,380	3,442	3,888	4,022	4,153	4,238	4,336	4,441	4,545	4,652	4,780	4,888	4,999	5,073	5,144	5,215	5,294	5,387	5,460	5,550	5,639	5,732	5,830					
AEO2000							3,599	3,847	4,036	4,187	4,320	4,465	4,579	4,690	4,780	4,882	4,968	5,055	5,113	5,192	5,276	5,373	5,460	5,516	5,581	5,664	5,752	5,851					
AEO2001								3,711	3,996	4,028	4,114	4,290	4,435	4,607	4,747	4,858	4,974	5,083	5,198	5,276	5,369	5,477	5,562	5,637	5,719	5,806	5,916	6,028					
AEO2002									3,850	3,992	4,191	4,395	4,561	4,653	4,749	4,903	5,068	5,211	5,360	5,468	5,521	5,562	5,586	5,628	5,695	5,810	5,972	6,075					
AEO2003										3,778	4,052	4,056	4,196	4,187	4,337	4,534	4,766	5,024	5,228	5,419	5,612	5,782	5,912	6,036	6,159	6,264	6,357	6,468	6,598				
AEO2004											4,012	4,164	4,207	4,331	4,398	4,521	4,641	4,806	4,989	5,181	5,362	5,528	5,665	5,824	5,982	6,075	6,213	6,382	6,563				
AEO2005												4,255	4,346	4,306	4,420	4,555	4,693	4,881	5,038	5,173	5,317	5,463	5,621	5,766	5,879	5,996	6,125	6,245	6,404				
AEO2006													4,545	4,537	4,366	4,397	4,415	4,502	4,577	4,643	4,688	4,760	4,830	4,878	4,989	5,098	5,199	5,264	5,334				
AEO2007														4,553	4,295	4,224	4,229	4,304	4,348	4,403	4,513	4,539	4,569	4,641	4,711	4,785	4,858	4,949	5,032				
AEO2008															4,416	4,556	4,220	4,158	4,187	4,222	4,220	4,217	4,186	4,185	4,165	4,138	4,147	4,148	4,136				
AEO2009																4,037	3,628	3,688	3,732	3,755	3,763	3,751	3,710	3,684	3,632	3,554	3,516	3,472	3,389				
AEO2010																	3,659	3,659	3,783	3,839	3,766	3,729	3,708	3,703	3,670	3,622	3,573	3,549	3,542				
AEO2011																		3,478	3,506	3,695	3,705	3,649	3,617	3,564	3,494	3,463	3,427	3,424	3,412				
AEO2012																			3,136	3,215	3,109	3,093	3,020	2,862	2,790	2,698	2,629	2,568	2,565				
AEO2013																				2,775	2,642	2,507	2,550	2,482	2,480	2,472	2,461	2,472	2,490				
AEO2014																						2,324	1,973	1,919	1,782	1,804	1,810	1,802	1,824	1,873			
AEO2015																							1,854	1,559	1,433	1,168	1,069	995	988	992			
AEO2016																								1,692	1,698	1,773	1,508	1,441	988	992			
AEO2017																										1,764	1,734	1,495	1,285	1,135	1,033		
AEO2018																											1,535	1,306	1,078	849	653		
AEO2019																												863	575	(168)	(438)		
AEO2020																												197	(202)	(498)			
AEO2021																													(161)	296			
AEO2022																														(81)			
Actual	2,780	2,940	2,878	3,110	3,343	3,564	3,618	3,813	3,979	3,849	4,102	4,427	4,580	4,523	4,393	4,068	3,528	3,446	3,084	2,706	2,277	1,849	1,697	1,755	1,362	855	244	(232)	(60)				
Average absolute difference	154	137	298	145	144	135	109	80	78	203	95	165	192	127	156	498	1,010	1,110	1,471	1,837	2,188	2,505	2,564	2,386	2,661	3,000	3,455	3,740	2,874				

Table 7. Petroleum net imports, projected versus actual (continued)

Projected versus actual
(percentage difference)

	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021		
AEO1994	5.5	8.9	16.8	12.7	9.4	4.9	7.2	4.7	3.0	9.4	4.9	-0.7	-2.3	0.4	4.4	14.1	32.3	35.6													
AEO1995		0.4	9.7	5.5	4.4	1.3	3.4	0.1	-1.5	3.9	0.0	-4.9	-6.0	-3.6	0.6	9.2	26.4	29.4													
AEO1996			4.6	-0.1	-3.7	-4.6	-2.7	-3.5	-4.3	1.1	-3.0	-8.1	-9.1	-6.9	-3.0	5.4	22.0	25.4	40.2	60.7	90.8	133.6	153.5								
AEO1997				-0.4	-2.9	-1.9	1.3	0.3	-0.1	6.1	2.2	-3.2	-4.4	-1.3	3.6	13.5	31.9	36.6	54.3	77.5	112.7	163.2	189.4								
AEO1998				-1.2	-4.9	1.0	-2.6	-2.6	5.3	0.9	-2.9	-3.6	0.7	5.6	16.8	39.1	44.9	64.9	93.0	130.2	189.2	220.8	213.8	310.3	564.3	2254.2	-2610.1				
AEO1999				-5.2	-4.9	2.0	1.1	7.9	3.3	-2.1	-3.0	0.5	5.9	17.5	38.5	45.1	64.5	90.1	129.0	186.3	217.4	211.1	307.4	559.8	2244.3	-2609.2					
AEO2000						-0.5	0.9	1.5	8.8	5.3	0.9	0.0	3.7	8.8	20.0	40.8	46.7	65.8	91.9	131.7	190.6	221.7	214.3	309.7	562.8	2252.5	-2618.2				
AEO2001							-2.7	0.4	4.6	0.3	-3.1	-3.2	1.9	8.1	19.4	41.0	47.5	68.5	95.0	135.8	196.2	227.6	221.2	319.9	579.4	2319.7	-2694.4				
AEO2002								-3.2	3.7	2.2	-0.7	-0.4	2.9	8.1	20.5	43.6	51.2	73.8	102.1	142.5	200.8	229.1	220.7	318.1	579.9	2342.4	-2714.6				
AEO2003								-1.9	-1.2	-8.4	-8.4	-7.4	-1.3	11.5	35.1	45.8	69.5	100.3	146.5	212.7	248.3	243.9	352.2	632.9	2500.1	-2883.6	-11110.9				
AEO2004										-2.2	-6.0	-8.1	-4.2	0.1	11.1	31.5	39.5	61.7	91.5	135.5	199.0	233.7	231.9	339.2	610.8	2441.2	-2846.5	-11105.6			
AEO2005											-3.9	-5.1	-4.8	0.6	12.0	33.0	41.6	63.3	91.2	133.5	195.5	231.1	228.6	331.6	601.6	2405.3	-2787.7	-10786.5			
AEO2006												-0.8	0.3	-0.6	8.1	25.1	30.7	48.4	71.6	105.9	157.5	184.6	178.0	266.3	496.5	2026.2	-2365.4	-9001.7			
AEO2007													0.7	-2.2	3.9	19.9	24.9	41.0	62.7	98.2	145.5	169.2	164.5	245.8	459.9	1886.9	-2229.9	-8498.5			
AEO2008														0.5	12.0	19.6	20.7	35.8	56.0	85.4	128.1	146.6	138.5	205.8	384.2	1596.2	-1885.0	-7002.8			
AEO2009															-0.7	2.8	7.0	21.0	38.8	65.3	102.9	118.5	109.9	166.6	315.8	1338.1	-1594.1	-5755.7			
AEO2010																3.7	6.2	22.7	41.9	65.4	101.7	118.4	111.0	169.4	323.8	1361.5	-1627.5	-6010.4			
AEO2011																		0.9	13.7	36.6	62.7	97.4	113.1	103.1	156.5	305.2	1301.5	-1573.5	-5794.1		
AEO2012																			1.7	18.8	36.6	67.3	77.9	63.1	104.8	215.7	975.3	-1205.0	-4380.3		
AEO2013																				2.6	16.0	35.6	50.2	41.4	82.1	189.3	906.4	-1164.1	-4255.3		
AEO2014																					2.1	6.7	13.0	1.5	32.4	111.8	637.0	-885.1	-3225.0		
AEO2015																					0.3	-8.2	-14.2	25.1	307.0	-525.2	-1755.6				
AEO2016																							-0.3	-3.2	30.2	76.5	489.3	-682.1	-2291.2		
AEO2017																								0.5	27.3	74.9	425.4	-588.6	-1823.9		
AEO2018																									12.7	52.8	340.9	-465.5	-1190.0		
AEO2019																										1.0	135.4	-27.8	631.7		
AEO2020																											-19.4	-13.0	730.3		
AEO2021																												-30.5	-593.7		
AEO2022																															
Average absolute percentage difference	5.5	4.7	10.4	4.7	4.3	3.8	3.0	2.1	2.0	5.3	2.3	3.7	4.2	2.8	3.6	12.2	28.6	32.2	47.7	67.9	96.1	135.5	151.1	135.9	195.4	351.1	1413.3	1609.4	4796.2		

Data source: Historical data are from the U.S. Energy Information Administration open data API (accessed April 2022), <http://www.eia.gov/opa/data/>, series: TOTAL.PANIPUS.A; projections: Annual Energy Outlook, Reference case projections from various editions
Notes: shading indicates overestimation (blue) or underestimation (green).