

Table 27. Total delivered transportation energy consumption, projected versus actual

Projected*	Projected*																													
	(quadrillion Btu)																													
	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	23.6	24.1	24.5	24.7	25.1	25.4	25.7	26.2	26.5	26.9	27.2	27.5	27.8	28.1	28.4	28.6	28.8	29.0												
AEO1995		23.3	24.0	24.2	24.7	25.1	25.5	25.9	26.2	26.5	26.9	27.2	27.6	27.9	28.0	28.2	28.3	28.4												
AEO1996			23.9	24.1	24.5	24.8	25.3	25.7	26.0	26.4	26.7	27.0	27.4	27.7	27.9	28.1	28.2	28.4	28.6	28.8	29.1	29.3	29.5							
AEO1997				24.7	25.3	25.9	26.4	27.0	27.5	28.0	28.4	28.9	29.3	29.7	30.0	30.3	30.4	30.6	30.8	31.0	31.3	31.5	31.6							
AEO1998					25.3	25.9	26.7	27.1	27.7	28.3	28.8	29.3	29.9	30.5	30.9	31.4	31.8	32.3	32.6	33.0	33.5	33.8	34.2	34.5	34.8	35.1	35.4	35.7		
AEO1999						25.4	26.0	27.0	27.6	28.2	28.8	29.3	29.9	30.5	30.9	31.4	31.8	32.3	32.6	33.0	33.5	33.9	34.3	34.6	35.0	35.4	35.7	36.1		
AEO2000							26.2	26.8	27.4	28.0	28.5	29.1	29.6	30.2	30.6	31.1	31.5	32.0	32.4	32.8	33.5	34.1	34.6	35.1	35.5	36.0	36.4	36.8		
AEO2001								26.8	27.5	28.3	28.8	29.3	29.9	30.5	30.9	31.4	31.9	32.4	32.9	33.3	34.1	34.6	35.2	35.8	36.3	36.8	37.3	37.9		
AEO2002									27.5	28.0	28.9	29.5	30.1	30.6	31.1	31.7	32.4	33.0	33.7	34.4	35.2	35.8	36.3	36.9	37.5	38.0	38.6	39.1		
AEO2003										27.2	27.7	28.2	28.9	29.6	30.3	31.0	31.8	32.7	33.5	34.3	35.2	35.9	36.6	37.2	37.9	38.5	39.2	39.8	40.5	
AEO2004											27.2	28.0	28.8	29.5	30.0	30.5	31.1	31.7	32.3	32.9	33.8	34.4	34.9	35.4	36.0	36.6	37.1	37.7	38.2	
AEO2005												27.7	28.4	28.9	29.5	30.1	30.8	31.3	32.0	32.5	33.2	33.8	34.4	34.9	35.5	36.0	36.5	37.0	37.5	
AEO2006													28.0	28.3	28.8	29.2	29.7	30.2	30.8	31.2	31.8	32.3	32.7	33.2	33.7	34.1	34.6	34.9	35.3	
AEO2007														28.2	28.4	28.6	28.9	29.4	29.8	30.2	30.8	31.3	31.7	32.2	32.6	33.0	33.5	34.0	34.4	
AEO2008															28.3	28.1	28.2	28.5	28.8	29.1	29.6	29.8	30.0	30.3	30.4	30.6	30.7	30.8	31.0	
AEO2009																27.6	27.1	27.5	28.0	28.1	28.4	28.3	28.3	28.2	28.2	28.3	28.4	28.6	28.7	
AEO2010																	26.5	26.8	27.3	27.6	27.9	28.0	28.1	28.1	28.3	28.4	28.6	28.8	28.9	
AEO2011																		26.9	27.1	27.4	27.9	28.0	28.1	28.3	28.4	28.4	28.5	28.6	28.7	
AEO2012																			26.6	26.8	27.0	27.2	27.2	27.2	27.2	27.0	27.0	26.9	26.8	
AEO2013																				26.2	26.4	26.6	26.8	26.9	26.9	26.9	26.9	26.9	26.8	
AEO2014																					26.4	26.4	26.3	26.3	26.4	26.4	26.3	26.2	26.0	25.9
AEO2015																						26.8	27.1	27.3	27.3	27.3	27.2	27.2	27.1	
AEO2016																							27.3	26.6	26.9	26.6	26.0	26.5	27.6	
AEO2017																								28.2	28.4	28.5	28.5	28.4	28.3	
AEO2018																									27.7	27.6	27.7	27.3	27.1	
AEO2019																										28.0	28.2	27.9	27.6	
AEO2020																											28.1	28.1	27.9	
AEO2021																												24.6	26.3	
AEO2022																													26.3	
Actual	22.7	23.3	23.8	24.4	24.7	25.2	25.9	26.5	26.2	26.8	26.8	27.8	28.2	28.7	28.8	27.4	26.6	27.0	26.7	26.2	26.7	27.1	27.7	27.9	28.1	28.4	28.3	24.3	26.9	
Average absolute difference	0.9	0.4	0.3	0.3	0.4	0.4	0.4	0.5	0.9	0.9	1.2	0.9	1.0	1.1	1.2	2.4	3.3	3.2	3.9	4.5	4.4	4.2	3.9	4.0	3.9	4.0	4.1	7.2	3.4	

Table 27. Total delivered transportation energy consumption, 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	4.2	3.2	2.7	1.3	1.4	0.6	-0.7	-1.3	1.0	0.2	1.3	-1.0	-1.4	-1.8	-1.6	4.2	8.0	7.4												
AEO1995		-0.3	0.8	-0.9	-0.1	-0.4	-1.6	-2.5	-0.3	-1.1	0.0	-2.0	-2.3	-2.7	-2.8	2.7	6.3	5.3												
AEO1996			0.4	-1.3	-1.0	-1.5	-2.5	-3.2	-0.8	-1.5	-0.5	-2.8	-2.9	-3.4	-3.3	2.3	5.9	5.0	7.2	9.9	9.2	8.4	6.8							
AEO1997				1.2	2.6	2.6	2.0	2.0	4.9	4.3	5.9	3.9	3.8	3.7	4.2	10.3	14.3	13.4	15.5	18.4	17.4	16.4	14.4							
AEO1998					2.6	2.5	2.9	2.4	5.7	5.6	7.4	5.6	5.9	6.4	7.3	14.3	19.6	19.5	22.3	26.1	25.5	25.1	23.6	23.3	23.7	23.7	25.0	46.8		
AEO1999						0.8	0.2	1.9	5.3	5.3	7.2	5.5	6.0	6.3	7.3	14.3	19.5	19.5	22.3	26.0	25.4	25.3	24.0	24.0	24.5	24.6	26.2	48.4		
AEO2000							1.3	1.2	4.4	4.3	6.1	4.6	5.0	5.4	6.3	13.3	18.3	18.4	21.5	25.4	25.5	26.0	25.2	25.5	26.2	26.6	28.4	51.6		
AEO2001								1.2	5.0	5.4	7.3	5.6	6.0	6.5	7.5	14.6	19.8	19.9	23.3	27.4	27.6	28.1	27.4	28.1	29.2	29.7	31.8	55.8		
AEO2002								4.8	4.8	7.6	6.1	6.7	6.9	8.0	15.6	21.5	22.2	26.5	31.4	31.8	32.2	31.4	32.1	33.2	33.9	36.2	60.7			
AEO2003									1.3	3.3	1.6	2.2	3.3	5.1	13.2	19.6	21.0	25.6	31.0	31.9	32.8	32.3	33.2	34.6	35.6	38.5	63.9	50.4		
AEO2004										1.2	0.8	2.2	3.0	4.1	11.3	16.7	17.3	21.1	25.9	26.6	27.1	26.2	26.8	27.9	28.8	31.1	55.0	42.1		
AEO2005											-0.2	0.5	0.9	2.3	9.7	15.5	16.1	19.9	24.3	24.5	25.1	24.3	24.9	26.1	26.8	29.0	52.3	39.4		
AEO2006													-0.8	-1.2	-0.1	6.4	11.4	11.9	15.4	19.3	19.2	19.3	18.3	18.8	19.6	20.2	22.0	43.7	31.3	
AEO2007														-1.5	-1.4	4.3	8.7	8.7	11.7	15.4	15.4	15.6	14.7	15.1	15.9	16.3	18.3	39.7	28.0	
AEO2008															-1.8	2.6	6.0	5.5	8.0	11.3	10.7	10.1	8.5	8.3	8.1	7.6	8.3	26.7	15.1	
AEO2009																0.6	1.6	1.8	5.0	7.6	6.3	4.8	2.2	1.0	0.3	-0.4	0.3	17.5	6.6	
AEO2010																	-0.4	-0.8	2.6	5.5	4.5	3.5	1.5	0.7	0.5	-0.1	0.8	18.3	7.6	
AEO2011																		-0.3	1.7	4.6	4.5	3.5	1.7	1.2	0.9	0.1	0.6	17.7	6.7	
AEO2012																			-0.2	2.3	1.3	0.5	-1.5	-2.5	-3.4	-4.8	-4.8	10.6	-0.2	
AEO2013																					0.1	-1.0	-1.6	-3.2	-3.9	-4.3	-5.2	-4.9	10.5	-0.4
AEO2014																						-1.1	-2.6	-4.8	-5.5	-6.1	-7.3	-7.6	7.1	-3.7
AEO2015																							-1.0	-1.9	-2.2	-2.9	-3.9	-3.8	11.8	0.6
AEO2016																								-1.4	-4.9	-4.3	-6.5	-8.0	8.9	2.5
AEO2017																									0.9	1.0	0.5	0.7	16.9	5.1
AEO2018																										-1.5	-2.7	-2.4	12.5	0.9
AEO2019																											-1.4	-0.4	14.7	2.6
AEO2020																												-0.8	15.7	3.9
AEO2021																													1.3	-2.4
AEO2022																														-2.1
Average absolute percentage difference	4.2	1.8	1.3	1.2	1.5	1.4	1.6	2.0	3.6	3.4	4.3	3.3	3.5	3.8	4.2	8.7	12.5	11.9	14.7	17.3	16.3	15.4	14.1	14.1	14.0	13.9	14.3	29.5	12.6	

Data source: Historical data are from the U.S. Energy Information Administration open data API (accessed April 2022), <http://www.eia.gov/pendata/>, series: TOTALTEACBUS.A & TOTALLOACBUS.A; projections: Annual Energy Outlook, Reference case projections from various editions

Notes: shading indicates overestimation (blue) or underestimation (green).

*Projections exclude electricity-related losses.