

Table 19. Total Delivered Industrial Energy Consumption, Projected vs. Actual

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
AEO 1994	25.4	25.9	26.3	26.7	27.0	27.1	26.8	26.6	26.9	27.2	27.7	28.1	28.3	28.7	29.1	29.4	29.7	30.0					
AEO 1995		26.2	26.3	26.5	27.0	27.3	26.9	26.6	26.8	27.1	27.5	27.9	28.2	28.4	28.7	29.0	29.3	29.6					
AEO 1996			26.5	26.6	27.3	27.5	26.9	26.5	26.7	26.9	27.2	27.6	27.9	28.2	28.3	28.5	28.7	28.9	29.2	29.4	29.6	29.9	30.0
AEO 1997				26.2	26.5	26.9	26.7	26.6	26.8	27.1	27.4	27.8	28.0	28.4	28.7	28.9	29.0	29.2	29.4	29.5	29.7	29.9	30.1
AEO 1998					27.2	27.5	27.2	26.9	27.1	27.5	27.7	27.9	28.3	28.7	29.0	29.3	29.7	29.9	30.1	30.4	30.5	30.5	30.6
AEO 1999						26.7	26.4	26.4	26.8	27.1	27.3	27.5	27.9	28.3	28.6	28.9	29.2	29.5	29.7	30.0	30.2	30.5	30.9
AEO 2000							25.8	25.5	25.7	26.0	26.5	26.9	27.4	27.8	28.1	28.3	28.5	28.8	29.0	29.2	29.6	29.9	30.3
AEO 2001								25.8	26.2	26.6	27.0	27.3	27.7	28.1	28.5	28.8	29.1	29.4	29.7	30.0	30.4	30.7	31.2
AEO 2002									24.5	25.8	26.6	27.0	27.5	28.0	28.5	28.8	29.2	29.7	30.2	30.6	30.9	31.2	31.5
AEO 2003										25.5	25.9	26.2	26.4	26.7	27.2	27.6	28.1	28.8	29.3	29.8	30.2	30.5	30.8
AEO 2004											24.5	24.9	25.7	26.1	26.5	26.9	27.1	27.5	27.9	28.3	28.7	29.0	29.3
AEO 2005												25.5	25.9	26.2	26.4	26.9	27.2	27.3	27.6	27.8	27.9	28.2	28.3
AEO 2006													25.2	25.4	26.1	26.3	26.5	26.7	27.0	27.2	27.3	27.5	27.7
AEO 2007														25.3	25.5	25.8	26.1	26.3	26.5	26.6	26.7	26.9	27.0
AEO 2008															25.2	25.8	25.3	25.8	26.2	26.2	26.2	26.2	26.3
AEO 2009																25.1	23.3	22.8	23.5	23.9	24.3	24.2	23.9
AEO 2010																	22.2	22.3	23.0	23.8	24.2	24.6	24.8
AEO 2011																		23.1	24.2	25.0	26.0	26.2	26.7
AEO 2012																			23.8	23.8	23.1	23.7	24.0
AEO 2013																				24.3	23.8	24.0	24.9
AEO 2014																					23.8	24.2	25.3
AEO 2015																						24.7	25.2
AEO 2016																							24.5
Actual	25.1	25.8	26.2	26.9	27.2	26.8	26.6	26.5	25.2	25.2	25.0	25.9	24.9	25.0	24.9	24.0	21.9	23.6	23.8	24.1	24.6	24.6	24.5
Average Absolute Difference	0.3	0.2	0.2	0.4	0.3	0.4	0.4	0.3	1.3	1.5	2.0	1.4	2.4	2.5	2.8	3.8	5.7	4.2	3.8	3.5	3.3	3.2	3.4

Projected vs. Actual (percent difference)																							
	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
AEO 1994	1.4	0.3	0.5	-1.0	-0.9	1.1	0.7	0.5	6.8	8.1	10.7	8.4	13.9	14.8	16.9	22.6	35.7	27.2					
AEO 1995		1.3	0.5	-1.6	-0.7	1.8	1.1	0.5	6.4	7.6	9.9	7.7	13.1	13.9	15.5	21.1	33.9	25.5					
AEO 1996			1.4	-1.2	0.3	2.7	1.3	0.1	5.9	7.0	9.0	6.6	12.1	12.7	13.8	19.0	31.3	22.6	22.5	22.1	20.4	21.2	22.5
AEO 1997				-2.7	-2.8	0.5	0.4	0.4	6.3	7.5	9.8	7.2	12.6	13.7	15.4	20.4	32.6	23.8	23.4	22.6	20.8	21.6	22.7
AEO 1998					0.1	2.6	2.6	1.7	7.7	9.1	10.7	7.9	13.7	14.9	16.7	22.4	35.5	26.8	26.6	26.0	23.7	23.8	24.9
AEO 1999						-0.6	0.0	6.5	7.8	9.3	6.3	12.0	13.1	15.0	20.5	33.4	25.1	24.8	24.5	22.8	24.0	26.1	
AEO 2000							-2.8	-3.5	2.0	3.3	6.0	4.0	10.1	11.2	12.9	18.2	30.3	22.1	21.6	21.3	20.1	21.5	23.7
AEO 2001								-2.5	3.9	5.6	8.2	5.5	11.1	12.4	14.5	20.1	32.9	24.8	24.7	24.4	23.4	24.8	27.2
AEO 2002									-2.6	2.6	6.5	4.4	10.5	11.9	14.4	20.0	33.4	25.8	27.0	26.9	25.5	26.7	28.7
AEO 2003										1.1	3.8	1.4	5.9	7.0	9.4	15.3	28.6	21.9	23.2	23.7	22.5	24.0	25.9
AEO 2004											-1.9	-3.7	3.3	4.7	6.7	12.1	23.9	16.7	17.3	17.3	16.6	17.8	19.7
AEO 2005												-1.5	4.1	5.1	6.3	12.0	24.2	15.9	15.9	15.3	13.4	14.3	15.4
AEO 2006													1.1	1.5	4.9	9.7	21.0	13.1	13.2	12.7	11.0	11.6	13.2
AEO 2007														1.4	2.7	7.7	19.2	11.6	11.3	10.5	8.6	9.2	10.1
AEO 2008															1.4	7.7	15.7	9.4	10.0	8.8	6.3	6.3	7.4
AEO 2009																4.7	6.6	-3.4	-1.4	-0.8	-1.5	-1.9	-2.3
AEO 2010																	1.7	-5.5	-3.4	-1.2	-1.6	-0.2	1.1
AEO 2011																		-2.1	1.6	3.9	5.8	6.4	9.2
AEO 2012																			-0.2	-1.3	-6.0	-3.7	-2.2
AEO 2013																				0.7	-3.4	-2.6	1.7
AEO 2014																					-3.1	-1.7	3.2
AEO 2015																						0.4	3.0
AEO 2016																							0.0
Average Absolute Percent Difference	1.4	0.8	0.8	1.6	1.0	1.5	1.4	1.2	5.3	6.0	7.8	5.4	9.5	9.9	11.1	15.9	25.9	18.0	15.8	14.7	13.5	13.2	13.8

Sources: Projections: *Annual Energy Outlook*, Reference Case Projections, Various Editions.

Historical Data: U.S. Energy Information Administration open data API (<http://www.eia.gov/opendata/>) (Washington, DC). Retrieved June 15, 2016. Series: TOTAL.TEICBUS.A & TOTAL.LOICBUS.A. Shading indicates overestimation (blue) or underestimation (green). Comparisons through AEO 2002 have been adjusted for the AER 2001 revision to industrial energy consumption that was not incorporated in the earlier projections.