

Table 23. Energy Intensity, Projected vs. Actual

(quadrillion Btu / \$Billion Nominal GDP)

	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	
AEO 1982	20.1	18.5	16.9	15.5	14.4	13.2																			
AEO 1983	19.9	18.7	17.4	16.2	15.1	14.0					9.5														
AEO 1984	20.1	19.0	17.7	16.5	15.5	14.5					10.2														
AEO 1985	20.0	19.1	18.0	16.9	15.9	14.7	13.7	12.7	11.8	11.0	10.3														
AEO 1986		18.3	17.8	16.8	16.1	15.2	14.3	13.4	12.6	11.7	10.9	10.2	9.5	8.9	8.3	7.8									
AEO 1987			17.6	17.0	16.3	15.4	14.5	13.7	12.9	12.1	11.4														
AEO 1989*				16.9	16.2	15.2	14.2	13.3	12.5	11.7	10.9	10.2	9.6	9.0	8.5	8.0						6.4			
AEO 1990					16.1	15.4					11.7														
AEO 1991						15.5	14.9	14.2	13.6	13.0	12.5	11.9	11.3	10.8	10.3	9.7	9.2	8.7	8.3	7.9	7.4	7.0	6.7	6.3	
AEO 1992							15.0	14.5	13.9	13.3	12.7	12.1	11.6	11.0	10.5	10.0	9.5	9.0	8.6	8.1	7.7	7.3	6.9	6.6	
AEO 1993								14.7	13.9	13.4	12.8	12.3	11.8	11.2	10.7	10.2	9.6	9.2	8.7	8.3	7.8	7.4	7.1	6.7	
AEO 1994									14.1	13.5	13.1	12.6	12.1	11.6	11.1	10.6	10.2	9.8	9.3	9.0	8.6	8.2	7.8	7.5	
AEO 1995										13.2	12.7	12.2	11.7	11.3	10.8	10.4	9.9	9.5	9.0	8.6	8.3	7.9	7.6	7.3	
AEO 1996											12.8	12.4	11.9	11.5	11.0	10.5	10.1	9.6	9.2	8.8	8.4	8.1	7.7	7.4	
AEO 1997												12.2	11.9	11.5	11.1	10.7	10.2	9.9	9.5	9.1	8.7	8.4	8.0	7.7	
AEO 1998													11.7	11.5	11.2	10.8	10.4	10.1	9.7	9.4	9.0	8.7	8.4	8.0	
AEO 1999														11.2	10.8	10.5	10.2	9.8	9.4	9.1	8.8	8.5	8.2	7.9	
AEO 2000															10.8	10.6	10.3	10.0	9.7	9.4	9.1	8.8	8.6	8.3	
AEO 2001																9.8	9.4	9.2	8.9	8.5	8.2	8.0	7.7	7.4	
AEO 2002																	9.6	9.5	9.2	8.9	8.5	8.2	7.9	7.5	
AEO 2003																		9.3	9.0	8.6	8.3	8.1	7.8	7.6	
AEO 2004																			9.0	8.8	8.5	8.2	7.9	7.6	
AEO 2005																				8.5	8.2	8.0	7.7	7.5	
AEO 2006																					8.1	7.7	7.5	7.2	
AEO 2007																						7.6	7.4	7.1	
AEO 2008																							7.3	7.2	
AEO 2009																								7.0	
Actual	18.1	17.2	16.7	16.2	15.5	14.6	14.1	13.6	13.2	12.6	12.3	12.0	11.4	10.9	10.4	10.1	9.5	9.3	9.0	8.6	8.1	7.6	7.4	7.0	
Average Absolute Difference (All AEOs)	1.9	1.5	0.9	0.5	0.6	0.6	0.5	0.6	0.7	0.8	1.1	0.6	0.7	0.7	0.7	0.8	0.5	0.4	0.4	0.4	0.4	0.5	0.6	0.5	0.5

Table 23. Energy Intensity, Projected vs. Actual

(percent difference)

	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	
AEO 1982	10.8	7.5	1.1	-4.2	-7.2	-9.2																			
AEO 1983	9.8	8.4	4.3	-0.1	-2.4	-4.2					-22.9														
AEO 1984	10.7	10.2	5.9	1.8	0.0	-0.9					-17.1														
AEO 1985	10.2	11.3	7.7	4.4	2.5	0.9	-3.1	-6.5	-10.2	-12.7	-16.6														
AEO 1986		6.6	6.4	3.7	3.9	4.0	1.4	-1.0	-4.4	-7.0	-11.4	-15.7	-17.0	-18.6	-20.5	-22.9									
AEO 1987			5.4	4.9	5.1	5.3	3.0	1.4	-1.7	-3.8	-7.6														
AEO 1989*				4.3	4.4	3.9	0.6	-2.0	-5.3	-7.6	-11.2	-15.1	-15.7	-16.9	-18.6	-20.3									
AEO 1990					3.8	5.5					-5.4											-21.1			
AEO 1991						6.0	5.7	4.4	3.3	3.3	1.1	-1.4	-0.7	-0.9	-1.9	-3.5	-3.1	-6.5	-7.6	-8.6	-8.2	-7.1	-9.3	-9.0	
AEO 1992							6.3	7.1	5.3	5.3	3.2	0.8	1.6	1.5	0.6	-0.9	-0.2	-3.5	-4.5	-5.4	-4.8	-3.8	-6.1	-5.9	
AEO 1993								8.0	5.8	6.0	4.2	2.0	3.0	2.9	2.2	0.8	1.4	-2.0	-2.9	-3.8	-3.1	-1.8	-4.1	-3.7	
AEO 1994									6.8	7.1	6.0	4.3	5.8	6.6	6.4	5.6	7.2	4.4	4.2	4.2	5.8	8.0	6.2	7.5	
AEO 1995										4.5	3.0	1.3	2.8	3.7	3.5	2.7	4.2	1.4	1.0	0.7	2.2	4.4	3.2	4.4	
AEO 1996											4.2	3.0	4.6	5.4	5.2	4.3	5.7	3.1	3.1	3.0	4.3	6.4	4.8	6.3	
AEO 1997												1.4	4.0	5.7	6.2	5.7	7.7	5.6	5.9	6.1	8.0	10.4	8.9	10.2	
AEO 1998													2.9	5.3	6.9	7.1	9.9	8.0	8.6	9.1	11.5	14.7	13.8	15.6	
AEO 1999														2.6	5.9	7.2	10.6	8.7	9.4	10.0	12.7	16.0	15.1	17.2	
AEO 2000															3.1	5.1	8.1	7.2	8.5	9.5	12.5	16.5	16.3	19.1	
AEO 2001																-2.9	-0.7	-2.0	-1.1	-0.5	1.8	4.9	4.5	6.6	
AEO 2002																	1.3	1.8	3.0	3.6	5.7	8.4	7.0	7.9	
AEO 2003																		-0.4	0.4	0.5	3.0	6.7	6.6	8.8	
AEO 2004																			0.9	2.2	5.1	8.4	7.7	9.5	
AEO 2005																				-0.9	1.7	5.3	5.0	7.9	
AEO 2006																					-0.4	1.7	1.9	3.5	
AEO 2007																						0.2	0.2	2.2	
AEO 2008																								0.2	2.8
AEO 2009																									1.0
Average Absolute Percent Difference (All AEOs)	10.4	8.8	5.1	3.4	3.7	4.4	3.4	4.3	5.4	6.4	8.7	5.0	5.8	6.4	6.7	8.1	5.0	4.2	4.4	4.5	6.6	7.3	6.7	7.9	

* There is no report titled *Annual Energy Outlook 1988* due to a change in the naming convention of the AEOs.
 Sources: Forecasts: *Annual Energy Outlook*, Mid-Price or Reference Case Projections, Various Editions.
 Energy Information Administration, *Annual Energy Review 2008*, DOE/EIA-0384(2007) (Washington, DC, June 23, 2008), Table 1.3, and Bureau of Economic
 Historical Data: Analysis, US Dept. of Commerce, <http://www.bea.gov/national/xls/gdplev.xls>, June 2008.