

Table 2. Total Energy Consumption, Actual vs. Forecasts

	Comparison of AEO Consumption Forecasts to Historical Consumption									1994
	1985	1986	1987	1988	1989	1990	1991	1992	1993	
(quadrillion Btu)										
AEO82	79.1	79.6	79.9	80.8	82.0	83.3				
AEO83	78.0	79.5	81.0	82.4	83.8	84.6				
AEO84	78.5	79.4	81.2	83.1	85.0	86.4				
AEO85	77.6	78.5	79.8	81.2	82.6	83.3	84.2	85.2	85.9	86.7
AEO86		77.0	78.8	79.8	80.6	81.5	82.9	84.0	84.8	85.7
AEO87			78.9	80.0	81.9	82.8	83.9	85.3	86.4	87.5
AEO89				82.2	83.7	84.5	85.4	86.4	87.3	88.2
AEO90					84.2	85.4				
AEO91						84.4	85.0	86.0	87.0	87.9
AEO92							84.7	87.0	88.0	89.2
AEO93								87.0	88.3	89.8
AEO94									88.0	89.5
AEO95										89.2
AEO96										
AEO97										
AEO98										
AEO99										
AEO2000										
AEO2001										
AEO2002										
Actual	76.8	77.1	79.6	83.1	84.7	84.3	84.3	85.5	87.3	89.2
Average Absolute Error (Across AEOs)	1.5	1.8	0.8	1.7	1.8	1.1	0.7	0.9	0.9	1.2

	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994
(percent error)										
AEO82	3.0	3.3	0.3	-2.7	-3.2	-1.2				
AEO83	1.5	3.2	1.7	-0.8	-1.1	0.4				
AEO84	2.2	3.0	2.0	0.0	0.4	2.5				
AEO85	1.0	1.9	0.2	-2.3	-2.5	-1.2	-0.1	-0.4	-1.6	-2.8
AEO86		-0.1	-1.0	-3.9	-4.8	-3.3	-1.7	-1.8	-2.9	-4.0
AEO87			-0.9	-3.7	-3.3	-1.8	-0.5	-0.2	-1.0	-1.9
AEO89				-1.0	-1.2	0.2	1.3	1.0	0.0	-1.2
AEO90					-0.6	1.3				
AEO91						0.1	0.8	0.6	-0.4	-1.5
AEO92							0.5	1.8	0.7	-0.1
AEO93								1.8	1.1	0.7
AEO94									0.8	0.3
AEO95										0.0
AEO96										
AEO97										
AEO98										
AEO99										
AEO2000										
AEO2001										
AEO2002										
Average Absolute Percent Error (Across AEOs)	1.9	2.3	1.0	2.1	2.1	1.3	0.8	1.1	1.1	1.4

Table 2. Total Energy Consumption, Actual vs. Forecasts

	Comparison of AEO Consumption Forecasts to Historical Consumption									
	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
	(quadrillion Btu)									
AEO82										
AEO83	89.5									
AEO84	93.5									
AEO85	87.7									
AEO86	86.5	87.9	88.4	87.8	88.7	89.6				
AEO87	88.4					91.9				
AEO89	89.2	90.8	91.4	90.9	91.7	92.9				
AEO90	91.9					97.4				
AEO91	89.1	90.4	91.8	93.1	94.3	95.6	97.1	98.4	99.4	100.3
AEO92	90.5	91.4	92.4	93.4	94.5	95.6	96.9	98.0	99.0	100.0
AEO93	91.4	92.7	94.0	95.3	96.3	97.5	98.6	99.7	100.7	101.7
AEO94	90.7	91.7	92.7	93.6	94.6	95.7	96.7	97.7	98.9	100.0
AEO95	90.0	90.6	91.9	93.0	93.8	94.6	95.3	96.2	97.2	98.4
AEO96	90.6	91.3	92.5	93.5	94.3	95.1	95.9	96.9	98.0	99.2
AEO97		92.6	93.6	95.1	96.6	97.9	98.8	99.9	101.2	102.4
AEO98			94.7	96.7	98.6	99.8	101.3	102.4	103.4	104.5
AEO99				94.6	97.0	99.2	100.9	102.0	102.9	103.6
AEO2000					96.4	98.2	99.4	100.9	102.4	103.8
AEO2001						97.6	99.9	102.2	104.1	105.6
AEO2002							98.3	101.0	104.1	105.8
Actual	90.9	93.9	94.3	94.6	96.8	98.8	98.8			
Average Absolute Error (Across AEOs)	1.6	2.9	2.0	1.8	2.4	2.9	1.7			

	1995	1996	1997	1998	1999	2000	2001
	(percent error)						
AEO82							
AEO83	-1.6						
AEO84	2.8						
AEO85	-3.6						
AEO86	-4.9	-6.4	-6.3	-7.2	-8.3	-9.3	
AEO87	-2.8					-7.0	
AEO89	-1.9	-3.3	-3.1	-3.9	-5.2	-5.9	
AEO90	1.1					-1.4	
AEO91	-2.1	-3.7	-2.7	-1.6	-2.6	-3.2	0.8
AEO92	-0.5	-2.6	-2.0	-1.2	-2.4	-3.2	0.6
AEO93	0.5	-1.3	-0.3	0.7	-0.4	-1.3	2.4
AEO94	-0.2	-2.3	-1.7	-1.0	-2.3	-3.1	0.4
AEO95	-1.1	-3.6	-2.6	-1.7	-3.0	-4.2	-1.1
AEO96	-0.4	-2.8	-1.9	-1.2	-2.6	-3.8	-0.4
AEO97		-1.4	-0.8	0.6	-0.2	-0.9	2.6
AEO98			0.4	2.3	1.9	1.0	5.2
AEO99				0.1	0.2	0.4	4.7
AEO2000					-0.4	-0.6	3.2
AEO2001						-1.2	3.7
AEO2002							2.1
Average Absolute Percent Error (Across AEOs)	1.8	3.0	2.2	1.9	2.5	2.9	1.9

Table 2. Total Energy Consumption, Actual vs. Forecasts

	AEO Consumption Forecasts									
	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
	(quadrillion Btu)									
AEO82										
AEO83										
AEO84										
AEO85										
AEO86										
AEO87										
AEO89										
AEO90	102.8						108.4			
AEO91	101.4	102.5	103.6	104.7	105.8	106.9				
AEO92	101.2	102.2	103.2	104.3	105.2	106.1				
AEO93	102.6	103.5	104.3	105.2	106.0	106.7				
AEO94	100.8	101.7	102.7	103.6	104.3	105.2				
AEO95	99.4	100.3	101.2	102.1	102.9	103.9				
AEO96	100.4	101.4	102.1	103.1	103.8	104.7	105.5	106.5	107.2	107.6
AEO97	103.4	104.7	105.8	106.6	107.2	107.9	108.6	109.4	110.0	110.5
AEO98	105.8	107.3	108.6	109.9	111.1	112.2	113.1	114.1	114.7	115.2
AEO99	104.7	106.0	107.2	108.5	109.7	110.8	111.8	112.8	113.6	114.6
AEO2000	105.3	106.6	107.9	109.2	110.2	111.3	112.2	113.2	114.3	115.5
AEO2001	107.0	108.5	110.0	111.4	112.7	114.1	115.4	116.6	118.0	119.3
AEO2002	107.6	109.3	110.8	112.2	113.8	115.6	117.5	119.2	120.8	122.2

Table 2. Total Energy Consumption, Actual vs. Forecasts

	Absolute Forecasting Errors as Compared to Actual Historical Figures										
	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995
(absolute forecasting errors)											
AEO82	2.3	2.5	0.3	2.3	2.7	1.0					
AEO83	1.2	2.4	1.4	0.7	0.9	0.3					1.4
AEO84	1.7	2.3	1.6	0.0	0.3	2.1					2.6
AEO85	0.8	1.4	0.2	1.9	2.1	1.0	0.1	0.3	1.4	2.5	3.2
AEO86		0.1	0.8	3.3	4.1	2.8	1.4	1.5	2.5	3.5	4.4
AEO87			0.7	3.1	2.8	1.5	0.4	0.2	0.9	1.7	2.5
AEO89				0.9	1.0	0.2	1.1	0.9	0.0	1.0	1.7
AEO90					0.5	1.1					1.0
AEO91						0.1	0.7	0.5	0.3	1.4	1.9
AEO92							0.4	1.5	0.6	0.1	0.5
AEO93								1.5	1.0	0.6	0.4
AEO94									0.7	0.3	0.2
AEO95										0.0	1.0
AEO96											0.3
AEO97											
AEO98											
AEO99											
AEO2000											
AEO2001											
AEO2002											
(absolute percent error)											
	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995
AEO82	3.0	3.3	0.3	2.7	3.2	1.2					
AEO83	1.5	3.2	1.7	0.8	1.1	0.4					1.6
AEO84	2.2	3.0	2.0	0.0	0.4	2.5					2.8
AEO85	1.0	1.9	0.2	2.3	2.5	1.2	0.1	0.4	1.6	2.8	3.6
AEO86		0.1	1.0	3.9	4.8	3.3	1.7	1.8	2.9	4.0	4.9
AEO87			0.9	3.7	3.3	1.8	0.5	0.2	1.0	1.9	2.8
AEO89				1.0	1.2	0.2	1.3	1.0	0.0	1.2	1.9
AEO90					0.6	1.3					1.1
AEO91						0.1	0.8	0.6	0.4	1.5	2.1
AEO92							0.5	1.8	0.7	0.1	0.5
AEO93								1.8	1.1	0.7	0.5
AEO94									0.8	0.3	0.2
AEO95										0.0	1.1
AEO96											0.4
AEO97											
AEO98											
AEO99											
AEO2000											
AEO2001											
AEO2002											

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	Absolute Forecasting Errors as Compared to Actual Historical Figures						Average Absolute Error (Across Years)
	1996	1997	1998	1999	2000	2001	
	(absolute forecasting errors)						
AEO82							1.8
AEO83							1.2
AEO84							1.5
AEO85							1.4
AEO86	6.0	5.9	6.8	8.1	9.2		4.0
AEO87							1.5
AEO89	3.1	2.9	3.7	5.1	5.9		2.1
AEO90							0.9
AEO91	3.5	2.5	1.5	2.5	3.1	0.7	1.6
AEO92	2.5	1.9	1.1	2.3	3.2	0.6	1.3
AEO93	1.2	0.3	0.7	0.4	1.3	2.3	1.0
AEO94	2.2	1.6	1.0	2.2	3.0	0.4	1.3
AEO95	3.3	2.4	1.6	2.9	4.2	1.0	2.1
AEO96	2.6	1.8	1.1	2.5	3.7	0.4	1.8
AEO97	1.3	0.7	0.6	0.2	0.9	2.5	1.0
AEO98		0.4	2.1	1.8	1.0	5.0	2.1
AEO99			0.1	0.2	0.4	4.5	1.3
AEO2000				0.4	0.6	3.0	1.4
AEO2001					1.2	3.6	2.4
AEO2002						2.0	2.0
Actual							
Average Absolute Error (Across AEOs)							1.8

	Absolute Forecasting Errors as Compared to Actual Historical Figures						Average Absolute Percentage Error (Across Years)
	1996	1997	1998	1999	2000	2001	
	(absolute percent error)						
AEO82							2.3
AEO83							1.5
AEO84							1.8
AEO85							1.6
AEO86	6.4	6.3	7.2	8.3	9.3	0.0	4.1
AEO87							1.8
AEO89	3.3	3.1	3.9	5.2	5.9	0.0	2.1
AEO90							1.0
AEO91	3.7	2.7	1.6	2.6	3.2	0.8	1.7
AEO92	2.6	2.0	1.2	2.4	3.2	0.6	1.4
AEO93	1.3	0.3	0.7	0.4	1.3	2.4	1.1
AEO94	2.3	1.7	1.0	2.3	3.1	0.4	1.4
AEO95	3.6	2.6	1.7	3.0	4.2	1.1	2.1
AEO96	2.8	1.9	1.2	2.6	3.8	0.4	1.9
AEO97	1.4	0.8	0.6	0.2	0.9	2.6	1.1
AEO98		0.4	2.3	1.9	1.0	5.2	2.2
AEO99			0.1	0.2	0.4	4.7	1.4
AEO2000				0.4	0.6	3.2	1.4
AEO2001					1.2	3.7	2.4
AEO2002						2.1	2.1
Average Absolute Percent Error (Across AEOs)							1.9