

Table 4. Total Natural Gas Consumption, Actual vs. Forecasts

Comparison of AEO Consumption Forecasts to Historical Consumption										
	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994
(trillion cubic feet)										
AEO82	15.93	15.72	15.72	16.08	16.59	17.08				
AEO83	17.75	17.63	17.57	17.75	17.76	17.77				
AEO84	18.22	18.07	18.33	18.61	18.73	18.76				
AEO85	17.79	17.80	17.89	18.30	18.58	18.71	18.79	18.88	18.82	18.82
AEO86		16.52	16.83	17.35	17.27	17.50	17.77	17.77	17.90	18.01
AEO87			16.85	16.93	17.24	17.27	17.34	17.43	17.66	18.02
AEO89				17.75	17.95	17.94	18.08	18.10	18.34	18.68
AEO90					18.34	18.66				
AEO91						18.53	19.21	19.34	19.56	19.76
AEO92							18.79	19.36	19.84	20.08
AEO93								20.27	20.17	20.54
AEO94									19.87	20.21
AEO95										20.82
AEO96										
AEO97										
AEO98										
AEO99										
AEO2000										
AEO2001										
AEO2002										
Actual	17.28	16.22	17.21	18.03	18.80	18.72	19.04	19.54	20.28	20.71
Average Absolute Error (Across AEOs)	0.82	1.13	0.73	0.73	0.99	0.70	0.77	1.01	1.26	1.30
(percent error)										
AEO82	-7.8	-3.1	-8.7	-10.8	-11.8	-8.8				
AEO83	2.7	8.7	2.1	-1.6	-5.5	-5.1				
AEO84	5.4	11.4	6.5	3.2	-0.4	0.2				
AEO85	3.0	9.7	4.0	1.5	-1.2	-0.1	-1.3	-3.4	-7.2	-9.1
AEO86		1.8	-2.2	-3.8	-8.1	-6.5	-6.7	-9.1	-11.7	-13.0
AEO87			-2.1	-6.1	-8.3	-7.7	-8.9	-10.8	-12.9	-13.0
AEO89				-1.6	-4.5	-4.2	-5.0	-7.4	-9.6	-9.8
AEO90					-2.4	-0.3				
AEO91						-1.0	0.9	-1.0	-3.6	-4.6
AEO92							-1.3	-0.9	-2.2	-3.0
AEO93								3.7	-0.5	-0.8
AEO94									-2.0	-2.4
AEO95										0.5
AEO96										
AEO97										
AEO98										
AEO99										
AEO2000										
AEO2001										
AEO2002										
Average Absolute Percent Error (Across AEOs)	4.7	7.0	4.3	4.1	5.3	3.8	4.0	5.2	6.2	6.3

Table 4. Total Natural Gas Consumption, Actual vs. Forecasts

	Comparison of AEO Consumption Forecasts to Historical Consumption									
	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
	(trillion cubic feet)									
AEO82										
AEO83	16.95									
AEO84	18.75									
AEO85	18.81									
AEO86	18.04	18.03	18.26	18.34	18.04	17.92				
AEO87	18.31					19.65				
AEO89	18.94	19.17	19.55	19.86	19.98	20.29				
AEO90	20.69					22.88				
AEO91	20.01	20.21	20.66	20.93	21.23	21.64	22.0	22.3	22.4	22.3
AEO92	20.53	20.68	21.12	21.42	21.66	21.89	22.2	22.6	22.8	23.0
AEO93	20.97	21.54	21.83	22.20	22.57	22.83	23.1	23.4	23.8	24.0
AEO94	20.64	20.99	21.20	21.42	21.60	21.99	22.4	22.6	23.0	23.2
AEO95	20.66	20.85	21.21	21.65	21.95	22.12	22.3	22.4	22.6	22.9
AEO96	21.32	21.64	22.11	22.21	22.26	22.34	22.5	22.7	23.1	23.6
AEO97		22.15	22.75	23.24	23.64	23.86	24.1	24.7	25.3	25.8
AEO98			21.84	23.03	23.84	24.08	24.4	24.8	25.3	25.7
AEO99				21.35	22.36	22.54	23.2	23.7	24.2	24.6
AEO2000					21.46	22.36	22.2	22.4	22.9	23.3
AEO2001						22.00	22.7	23.6	24.4	25.0
AEO2002							22.2	23.9	24.7	25.2
Actual	21.58	21.97	21.96	21.26	21.70	22.55	21.5			
Average Absolute Error (Across AEOs)	1.99	1.43	1.10	1.01	1.05	1.04	1.3			

	1995	1996	1997	1998	1999	2000	2001
	(percent error)						
AEO82							
AEO83	-21.5						
AEO84	-13.1						
AEO85	-12.8						
AEO86	-16.4	-17.9	-16.8	-13.7	-16.9	-20.5	
AEO87	-15.2					-12.8	
AEO89	-12.2	-12.7	-11.0	-6.6	-7.9	-10.0	
AEO90	-4.1					1.5	
AEO91	-7.3	-8.0	-5.9	-1.6	-2.2	-4.0	2.7
AEO92	-4.9	-5.9	-3.8	0.8	-0.2	-2.9	3.6
AEO93	-2.8	-2.0	-0.6	4.4	4.0	1.3	7.9
AEO94	-4.4	-4.5	-3.5	0.8	-0.5	-2.5	4.3
AEO95	-4.3	-5.1	-3.4	1.8	1.2	-1.9	3.7
AEO96	-1.2	-1.5	0.7	4.5	2.6	-0.9	4.7
AEO97		0.8	3.6	9.3	8.9	5.8	12.5
AEO98			-0.5	8.3	9.9	6.8	13.9
AEO99				0.4	3.0	0.0	8.1
AEO2000					-1.1	-0.8	3.4
AEO2001						-2.4	5.7
AEO2002							3.6
Average Absolute Percent Error (Across AEOs)	9.2	6.5	5.0	4.7	4.9	4.6	6.2

Table 4. Total Natural Gas Consumption, Actual vs. Forecasts

	AEO Consumption Forecasts									
	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
	(trillion cubic feet)									
AEO82										
AEO83										
AEO84										
AEO85										
AEO86										
AEO87										
AEO89										
AEO90	22.7					22.2				
AEO91	22.3	22.2	22.1	22.0	21.8	21.7				
AEO92	23.1	23.1	23.0	22.9	22.8	22.7				
AEO93	24.1	24.2	24.2	24.1	24.2	24.2				
AEO94	23.6	23.8	24.1	24.1	24.0	24.1				
AEO95	23.1	23.4	23.6	24.1	24.2	24.6				
AEO96	24.1	24.3	24.6	25.1	25.6	26.0	26.6	27.2	27.6	28.3
AEO97	26.2	26.5	27.0	27.4	27.7	28.0	28.5	28.9	29.3	30.0
AEO98	26.2	26.7	27.2	27.8	28.4	28.8	29.2	29.6	30.1	30.3
AEO99	25.2	25.8	26.4	26.9	27.4	28.0	28.5	29.1	29.5	30.2
AEO2000	23.9	24.5	25.3	25.8	26.2	27.0	27.5	28.0	28.5	29.1
AEO2001	25.2	25.7	26.0	26.6	27.2	28.0	28.6	29.3	30.0	30.8
AEO2002	25.5	26.0	26.4	27.0	27.5	28.1	28.9	29.6	30.1	30.7

Table 4. Total Natural Gas Consumption, Actual vs. Forecasts

Absolute Forecasting Errors as Compared to Actual Historical Figures

	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994
	(absolute forecasting errors)									
AEO82	1.4	0.5	1.5	2.0	2.2	1.6				
AEO83	0.5	1.4	0.4	0.3	1.0	0.9				
AEO84	0.9	1.9	1.1	0.6	0.1	0.0				
AEO85	0.5	1.6	0.7	0.3	0.2	0.0	0.3	0.7	1.5	1.9
AEO86		0.3	0.4	0.7	1.5	1.2	1.3	1.8	2.4	2.7
AEO87			0.4	1.1	1.6	1.5	1.7	2.1	2.6	2.7
AEO89				0.3	0.9	0.8	1.0	1.4	1.9	2.0
AEO90					0.5	0.1				
AEO91						0.2	0.2	0.2	0.7	0.9
AEO92							0.3	0.2	0.4	0.6
AEO93								0.7	0.1	0.2
AEO94									0.4	0.5
AEO95										0.1
AEO96										
AEO97										
AEO98										
AEO99										
AEO2000										
AEO2001										
AEO2002										

	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994
	(absolute percent error)									
AEO82	7.8	3.1	8.7	10.8	11.8	8.8				
AEO83	2.7	8.7	2.1	1.6	5.5	5.1				
AEO84	5.4	11.4	6.5	3.2	0.4	0.2				
AEO85	3.0	9.7	4.0	1.5	1.2	0.1	1.3	3.4	7.2	9.1
AEO86		1.8	2.2	3.8	8.1	6.5	6.7	9.1	11.7	13.0
AEO87			2.1	6.1	8.3	7.7	8.9	10.8	12.9	13.0
AEO89				1.6	4.5	4.2	5.0	7.4	9.6	9.8
AEO90					2.4	0.3				
AEO91						1.0	0.9	1.0	3.6	4.6
AEO92							1.3	0.9	2.2	3.0
AEO93								3.7	0.5	0.8
AEO94									2.0	2.4
AEO95										0.5
AEO96										
AEO97										
AEO98										
AEO99										
AEO2000										
AEO2001										
AEO2002										

Table 4. Total Natural Gas Consumption, Actual vs. Forecasts

	1995	1996	1997	1998	1999	2000	2001	Average Absolute Error (Across Years)
(absolute forecasting errors)								
AEO82								1.5
AEO83	4.6							1.3
AEO84	2.8							1.1
AEO85	2.8							0.9
AEO86	3.5	3.9	3.7	2.9	3.7	4.6		2.3
AEO87	3.3							1.9
AEO89	2.6	2.8	2.4	1.4	1.7	2.3		1.7
AEO90	0.9							0.5
AEO91	1.6	1.8	1.3	0.3	0.5	0.9	0.6	0.8
AEO92	1.1	1.3	0.8	0.2	0.0	0.7	0.8	0.6
AEO93	0.6	0.4	0.1	0.9	0.9	0.3	1.7	0.6
AEO94	0.9	1.0	0.8	0.2	0.1	0.6	0.9	0.6
AEO95	0.9	1.1	0.8	0.4	0.3	0.4	0.8	0.6
AEO96	0.3	0.3	0.1	0.9	0.6	0.2	1.0	0.5
AEO97		0.2	0.8	2.0	1.9	1.3	2.7	1.5
AEO98			0.1	1.8	2.1	1.5	3.0	1.7
AEO99				0.1	0.7	0.0	1.7	0.6
AEO2000					0.2	0.2	0.7	0.4
AEO2001						0.6	1.2	0.9
AEO2002							0.8	0.8

Actual

Average Absolute Error (Across AEOs)								1.1
--------------------------------------	--	--	--	--	--	--	--	-----

	1995	1996	1997	1998	1999	2000		Average Absolute Percent Error (Across Years)
(absolute percent error)								
AEO82								8.5
AEO83	21.5							6.7
AEO84	13.1							5.8
AEO85	12.8							4.8
AEO86	16.4	17.9	16.8	13.7	16.9	20.5		11.0
AEO87	15.2							9.4
AEO89	12.2	12.7	11.0	6.6	7.9	10.0		7.9
AEO90	4.1							2.3
AEO91	7.3	8.0	5.9	1.6	2.2	4.0	2.7	3.6
AEO92	4.9	5.9	3.8	0.8	0.2	2.9	3.6	2.7
AEO93	2.8	2.0	0.6	4.4	4.0	1.3	7.9	2.8
AEO94	4.4	4.5	3.5	0.8	0.5	2.5	4.3	2.7
AEO95	4.3	5.1	3.4	1.8	1.2	1.9	3.7	2.7
AEO96	1.2	1.5	0.7	4.5	2.6	0.9	4.7	2.3
AEO97		0.8	3.6	9.3	8.9	5.8	12.5	6.8
AEO98			0.5	8.3	9.9	6.8	13.9	7.9
AEO99				0.4	3.0	0.0	8.1	2.9
AEO2000					1.1	0.8	3.4	1.8
AEO2001						2.4	5.7	4.1
AEO2002							3.6	3.6

Average Absolute Percent Error (Across AEOs)								5.5
--	--	--	--	--	--	--	--	-----