

Table 8. Natural Gas Production, Actual vs. Forecasts

	Comparison of AEO Production Forecasts to Historical Production										
	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995
(trillion cubic feet)											
AEO82	14.74	14.26	14.33	14.89	15.39	15.88					
AEO83	16.48	16.27	16.20	16.31	16.27	16.29					14.89
AEO84	17.48	17.10	17.44	17.58	17.52	17.32					16.39
AEO85	16.95	17.08	17.11	17.29	17.40	17.33	17.32	17.27	17.05	16.80	16.50
AEO86		16.30	16.27	17.15	16.68	16.90	16.97	16.87	16.93	16.86	16.62
AEO87			16.21	16.09	16.38	16.32	16.30	16.30	16.44	16.62	16.81
AEO89				16.71	16.71	16.94	17.01	16.83	17.09	17.35	17.54
AEO90					16.91	17.25					18.84
AEO91						17.40	17.48	18.11	18.22	18.15	18.22
AEO92							17.43	17.69	17.95	18.00	18.29
AEO93								18.47	18.05	18.16	18.45
AEO94									17.71	17.68	17.84
AEO95										18.28	17.98
AEO96											18.90
AEO97											
AEO98											
AEO99											
AEO2000											
AEO2001											
AEO2002											
Actual	16.45	16.06	16.62	17.10	17.31	17.81	17.70	17.84	18.10	18.82	18.60
Average Absolute Error (Across AEOs)	0.82	0.86	0.80	0.73	0.73	0.96	0.61	0.73	0.70	1.28	1.20
(percent error)											
	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995
AEO82	-10.4	-11.2	-13.8	-12.9	-11.1	-10.8					
AEO83	0.2	1.3	-2.5	-4.6	-6.0	-8.5					-19.9
AEO84	6.3	6.5	4.9	2.8	1.2	-2.8					-11.9
AEO85	3.0	6.4	2.9	1.1	0.5	-2.7	-2.1	-3.2	-5.8	-10.7	-11.3
AEO86		1.5	-2.1	0.3	-3.6	-5.1	-4.1	-5.4	-6.5	-10.4	-10.6
AEO87			-2.5	-5.9	-5.4	-8.4	-7.9	-8.6	-9.2	-11.7	-9.6
AEO89				-2.3	-3.5	-4.9	-3.9	-5.7	-5.6	-7.8	-5.7
AEO90					-2.3	-3.1					1.3
AEO91						-2.3	-1.2	1.5	0.7	-3.6	-2.0
AEO92							-1.5	-0.8	-0.8	-4.4	-1.7
AEO93								3.5	-0.3	-3.5	-0.8
AEO94									-2.2	-6.1	-4.1
AEO95										-2.9	-3.3
AEO96											1.6
AEO97											
AEO98											
AEO99											
AEO2000											
AEO2001											
AEO2002											
Average Absolute Percent Error (Across AEOs)	5.0	5.4	4.8	4.3	4.2	5.4	3.5	4.1	3.9	6.8	6.5

Table 8. Natural Gas Production, Actual vs. Forecasts

	Comparison of AEO Production Forecasts to Historical Production										
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
	(trillion cubic feet)										
AEO82											
AEO83											
AEO84											
AEO85											
AEO86	16.40	16.33	16.57	16.23	16.12						
AEO87					17.39						
AEO89	17.67	17.98	18.20	18.25	18.49						
AEO90					20.58				20.24		
AEO91	18.39	18.82	19.03	19.28	19.62	19.89	20.13	20.07	19.95	19.82	19.64
AEO92	18.27	18.51	18.75	18.97	19.19	19.48	19.78	19.91	19.90	19.99	19.82
AEO93	18.90	19.07	19.30	19.60	19.86	20.07	20.35	20.56	20.74	20.65	20.55
AEO94	18.12	18.25	18.43	18.58	18.93	19.28	19.51	19.80	19.92	20.13	20.18
AEO95	17.92	18.21	18.63	18.92	19.08	19.20	19.36	19.52	19.75	19.94	20.17
AEO96	19.15	19.52	19.59	19.59	19.65	19.73	19.97	20.36	20.82	21.25	21.37
AEO97	19.10	19.70	20.17	20.32	20.54	20.77	21.26	21.90	22.31	22.66	22.93
AEO98		18.85	19.06	20.35	20.27	20.60	20.94	21.44	21.81	22.25	22.65
AEO99			18.80	19.13	19.28	19.82	20.23	20.77	21.05	21.57	21.98
AEO2000				18.36	18.89	18.47	18.50	18.88	19.15	19.70	20.27
AEO2001					18.61	18.89	19.67	20.28	20.65	20.81	21.11
AEO2002						19.28	19.54	20.20	20.52	20.73	21.25
Actual	18.85	18.90	19.02	18.83	18.99	19.4					
Average Absolute Error (Across AEOs)	0.77	0.69	0.62	0.79	0.73	0.73					

	1996	1997	1998	1999	2000	2001
	(percent error)					
AEO82						
AEO83						
AEO84						
AEO85						
AEO86	-13.0	-13.6	-12.9	-13.8	-15.1	
AEO87					-8.4	
AEO89	-6.3	-4.9	-4.3	-3.1	-2.6	
AEO90					8.4	
AEO91	-2.4	-0.4	0.1	2.4	3.3	2.7
AEO92	-3.1	-2.1	-1.4	0.7	1.1	0.6
AEO93	0.3	0.9	1.5	4.1	4.6	3.7
AEO94	-3.9	-3.4	-3.1	-1.3	-0.3	-0.4
AEO95	-4.9	-3.7	-2.1	0.5	0.5	-0.8
AEO96	1.6	3.3	3.0	4.0	3.5	1.9
AEO97	1.3	4.2	6.0	7.9	8.2	7.3
AEO98		-0.3	0.2	8.1	6.7	6.4
AEO99			-1.2	1.6	1.5	2.4
AEO2000				-2.5	-0.5	-4.6
AEO2001					-2.0	-2.4
AEO2002						-0.4
Average Absolute Percent Error (Across AEOs)	4.1	3.7	3.2	4.2	3.8	2.8

Table 8. Natural Gas Production, Actual vs. Forecasts

	AEO Production Forecasts								
	2007	2008	2009	2010	2011	2012	2013	2014	2015
	(trillion cubic feet)								
AEO82									
AEO83									
AEO84									
AEO85									
AEO86									
AEO87									
AEO89									
AEO90					19.76				
AEO91	19.50	19.30	19.08	19.08					
AEO92	19.73	19.60	19.50	19.30					
AEO93	20.40	20.25	20.13	20.07					
AEO94	20.38	20.35	20.16	20.19					
AEO95	20.28	20.60	20.59	20.88					
AEO96	21.68	22.11	22.47	22.83	23.36	23.81	24.11	24.65	24.97
AEO97	23.38	23.68	23.99	24.25	24.65	25.03	25.37	25.99	26.10
AEO98	23.18	23.75	24.23	24.70	24.97	25.34	25.70	25.85	26.12
AEO99	22.47	22.85	23.26	23.77	24.15	24.69	25.02	25.64	26.11
AEO2000	20.90	21.42	21.74	22.46	22.92	23.35	23.82	24.38	25.03
AEO2001	21.34	21.81	22.36	23.14	23.60	24.19	24.81	25.47	26.24
AEO2002	21.70	22.29	22.80	23.48	24.21	24.75	25.26	25.78	26.32

Table 8. Natural Gas Production, Actual vs. Forecasts

	Absolute Forecasting Errors as Compared to Actual Historical Figures										1995	1996	
	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994			
(absolute forecasting error)													
AEO82	1.71	1.80	2.29	2.21	1.92	1.93							
AEO83	0.03	0.21	0.42	0.79	1.04	1.52						3.71	
AEO84	1.03	1.04	0.82	0.48	0.21	0.49							2.21
AEO85	0.50	1.02	0.49	0.19	0.09	0.48	0.38	0.57	1.05	2.02	2.10		
AEO86		0.24	0.35	0.05	0.63	0.91	0.73	0.97	1.17	1.96	1.98		2.45
AEO87			0.41	1.01	0.93	1.49	1.40	1.54	1.66	2.20	1.79		
AEO89				0.39	0.60	0.87	0.69	1.01	1.01	1.47	1.06		1.18
AEO90					0.40	0.56							0.24
AEO91						0.41	0.22	0.27	0.12	0.67	0.38		0.46
AEO92							0.27	0.15	0.15	0.82	0.31		0.58
AEO93								0.63	0.05	0.66	0.15		0.05
AEO94									0.39	1.14	0.76		0.73
AEO95										0.54	0.62		0.93
AEO96											0.30		0.30
AEO97													0.25
AEO98													
AEO99													
AEO2000													
AEO2001													
AEO2002													
(absolute percent error)													
	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	
AEO82	10.4	11.2	13.8	12.9	11.1	10.8							
AEO83	0.2	1.3	2.5	4.6	6.0	8.5						19.9	
AEO84	6.3	6.5	4.9	2.8	1.2	2.8						11.9	
AEO85	3.0	6.4	2.9	1.1	0.5	2.7	2.1	3.2	5.8	10.7	11.3		
AEO86		1.5	2.1	0.3	3.6	5.1	4.1	5.4	6.5	10.4	10.6		
AEO87			2.5	5.9	5.4	8.4	7.9	8.6	9.2	11.7	9.6		
AEO89				2.3	3.5	4.9	3.9	5.7	5.6	7.8	5.7		
AEO90					2.3	3.1						1.3	
AEO91						2.3	1.2	1.5	0.7	3.6	2.0		
AEO92							1.5	0.8	0.8	4.4	1.7		
AEO93								3.5	0.3	3.5	0.8		
AEO94									2.2	6.1	4.1		
AEO95										2.9	3.3		
AEO96											1.6		
AEO97												1.6	
AEO98												1.3	
AEO99													
AEO2000													
AEO2001													
AEO2002													

Table 8. Natural Gas Production, Actual vs. Forecasts

	Absolute Forecasting Errors as Compared to Actual Historical Figures					Average Absolute Error (Across Years)		
	1997	1998	1999	2000	2001			
	(absolute forecasting error)							
AEO82						1.98		
AEO83						1.10		
AEO84						0.90		
AEO85						0.81		
AEO86	2.57	2.45	2.60	2.87		1.46		
AEO87						1.38		
AEO89	0.92	0.82	0.58	0.50		0.85		
AEO90						0.40		
AEO91	0.08	0.01	0.45	0.63	0.53	0.35		
AEO92	0.39	0.27	0.14	0.20	0.12	0.31		
AEO93	0.17	0.28	0.77	0.87	0.71	0.43		
AEO94	0.65	0.59	0.25	0.06	0.08	0.52		
AEO95	0.69	0.39	0.09	0.09	0.16	0.44		
AEO96	0.62	0.57	0.76	0.66	0.37	0.51		
AEO97	0.80	1.15	1.49	1.55	1.41	1.11		
AEO98	0.05	0.04	1.52	1.28	1.24	0.83		
AEO99		0.22	0.30	0.29	0.46	0.32		
AEO2000			0.47	0.10	0.89	0.49		
AEO2001				0.38	0.47	0.43		
AEO2002					0.08	0.08		
Actual								
Average Absolute Error (Across AEOs)						0.80		
					Average Absolute Percent Error (Across Years)			
AEO82						11.7		
AEO83						6.2		
AEO84						5.2		
AEO85						4.5		
AEO86	13.6	12.9	13.8	15.1		7.9		
AEO87						7.7		
AEO89	4.9	4.3	3.1	2.6		4.6		
AEO90						2.2		
AEO91	0.4	0.1	2.4	3.3	2.7	1.9		
AEO92	2.1	1.4	0.7	1.1	0.6	1.7		
AEO93	0.9	1.5	4.1	4.6	3.7	2.3		
AEO94	3.4	3.1	1.3	0.3	0.4	2.8		
AEO95	3.7	2.1	0.5	0.5	0.8	2.3		
AEO96	3.3	3.0	4.0	3.5	1.9	2.7		
AEO97	4.2	6.0	7.9	8.2	7.3	5.8		
AEO98	0.3	0.2	8.1	6.7	6.4	4.3		
AEO99		1.2	1.6	1.5	2.4	1.7		
AEO2000			2.5	0.5	4.6	2.5		
AEO2001				2.0	2.4	2.2		
AEO2002					0.4	0.4		
Average Absolute Percent Error (Across AEOs)						4.4		