

**Table 10. Dry natural gas production, projected versus actual**

	Projected (trillion cubic feet)																																	
	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021					
AEO1994	17.7	17.7																																
AEO1995		18.3	18.0	17.9																														
AEO1996			18.9	19.2	19.5	19.6	19.6																											
AEO1997				19.1	19.7	20.2	20.3	20.5	20.8	21.3	21.9	22.3	22.7	22.9	23.4	23.7	24.0	24.3	24.7	25.0	25.4	26.0	26.1											
AEO1998					18.9	19.1	20.3	20.3	20.6	20.9	21.4	21.8	22.3	22.7	23.2	23.7	24.2	24.7	25.0	25.3	25.7	25.8	26.1	26.3	26.8	27.0	27.3	27.4						
AEO1999						18.8	19.1	19.3	19.8	20.2	20.8	21.0	21.6	22.0	22.5	22.9	23.3	23.8	24.2	24.7	25.0	25.6	26.1	26.4	26.8	27.1	27.2	27.4						
AEO2000							18.4	18.9	18.5	18.5	18.9	19.1	19.7	20.3	20.9	21.4	21.7	22.5	22.9	23.4	23.8	24.4	25.0	25.3	25.7	26.0	26.2	26.4						
AEO2001								18.6	18.9	19.7	20.3	20.7	20.8	21.1	21.3	21.8	22.4	23.1	23.6	24.2	24.8	25.5	26.2	26.9	27.5	28.1	28.5	29.0						
AEO2002									19.3	19.5	20.2	20.5	20.7	21.3	21.7	22.3	22.8	23.5	24.2	24.8	25.3	25.8	26.3	26.8	27.3	27.8	28.1	28.5						
AEO2003										19.4	20.0	20.2	20.1	20.4	20.5	21.1	21.5	21.9	22.4	22.9	23.2	23.6	23.8	23.9	23.9	24.4	24.7	25.1	25.5					
AEO2004											19.6	19.5	19.6	19.7	20.0	20.2	20.3	20.5	20.8	21.1	21.3	21.4	21.6	21.6	21.6	22.0	22.8	23.5	23.8	23.5				
AEO2005												18.9	19.3	19.2	19.5	19.9	20.4	20.4	20.9	21.2	21.1	21.2	20.8	20.8	21.6	22.1	22.0	21.9	21.8					
AEO2006													18.1	18.2	18.0	18.4	18.5	18.6	18.9	19.1	19.6	19.7	20.4	21.0	21.3	21.5	21.6	21.4	21.4					
AEO2007														18.6	19.1	19.4	19.4	19.3	19.2	19.4	19.3	19.7	19.6	19.6	19.7	20.2	20.7	20.8	20.9					
AEO2008															19.0	19.2	19.3	19.3	19.4	19.4	19.4	19.5	19.6	19.6	19.6	19.5	19.4	19.7	20.0					
AEO2009																20.5	20.6	20.0	19.8	19.6	19.4	19.2	19.1	19.1	19.1	19.3	19.4	19.6	19.8					
AEO2010																		20.6	20.0	19.5	19.3	18.9	18.9	19.3	19.3	19.4	19.6	19.8	20.0	19.9				
AEO2011																				21.3	21.1	21.3	21.7	22.0	22.4	22.5	22.7	22.9	23.2	23.4	23.5			
AEO2012																						23.0	23.7	22.8	23.1	23.7	24.0	24.2	24.4	24.8	25.1	25.4		
AEO2013																							23.9	24.0	23.9	24.0	25.1	25.4	25.9	26.3	26.6	26.9		
AEO2014																								24.2	24.3	24.6	25.7	26.4	27.2	28.2	29.1	29.7		
AEO2015																									25.6	26.4	27.3	27.2	27.7	28.3	28.8	29.2		
AEO2016																										27.2	27.4	28.2	28.9	29.6	30.6	31.1		
AEO2017																											26.5	27.9	29.1	30.1	30.8	31.0		
AEO2018																												27.1	29.0	31.2	32.7	33.1		
AEO2019																													29.5	32.3	33.6	34.1		
AEO2020																														33.8	34.8	36.0		
AEO2021																															33.9	32.3		
AEO2022																																34.4		
Actual	18.1	18.8	18.6	18.9	18.9	19.0	18.8	19.2	19.6	18.9	19.1	18.6	18.1	18.5	19.3	20.2	20.6	21.3	22.9	24.0	24.2	25.7	27.1	26.7	26.9	30.6	33.7	33.5	34.1					
Average absolute difference	0.4	0.8	0.6	0.6	0.6	0.5	0.7	0.5	0.6	1.0	1.2	1.8	2.4	2.1	1.7	1.4	1.4	1.6	1.9	2.1	2.2	2.8	3.6	3.1	3.0	5.6	7.8	7.4	2.9					

**Table 10. Dry natural gas production, projected versus actual (continued)**

**Projected versus actual**  
(percentage difference)

	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	
AEO1994	-2.1	-6.1	-4.1	-3.9	-3.5	-3.1	-1.3	-1.3	-1.7	3.1	3.7	7.1	11.5	9.1	5.8	0.9	-2.2	-5.3												
AEO1995		-2.9	-3.3	-5.0	-3.7	-2.1	0.5	-0.5	-2.1	2.3	2.2	6.2	10.5	9.0	5.3	2.2	-0.2	-2.0												
AEO1996			1.6	1.6	3.3	3.0	4.0	2.4	0.6	5.5	6.6	12.0	17.7	15.5	12.5	9.7	9.0	7.1	2.0	-0.9	-0.4	-4.2	-7.8							
AEO1997				1.3	4.2	6.0	7.9	7.1	5.9	12.3	14.7	20.0	25.5	23.9	21.4	17.5	16.3	13.8	7.6	4.1	4.8	1.0	-3.7							
AEO1998					-0.3	0.2	8.1	5.7	5.0	10.7	12.3	17.3	23.3	22.4	20.3	17.8	17.5	15.9	9.0	5.4	6.2	0.5	-3.6	-1.4	-0.1	-11.7	-19.0	-18.0		
AEO1999						-1.2	1.6	0.5	1.0	6.9	8.7	13.2	19.5	18.8	16.6	13.4	12.8	11.5	5.5	2.7	3.4	-0.4	-3.6	-0.8	-0.3	-11.5	-19.1	-18.3		
AEO2000							-2.5	-1.5	-5.9	-2.2	-1.1	3.0	9.1	9.5	8.5	6.3	5.4	5.4	0.1	-2.8	-1.6	-5.3	-7.6	-5.1	-4.4	-15.1	-22.2	-21.2		
AEO2001								-3.0	-3.7	3.9	6.2	11.1	15.3	14.1	10.8	8.2	8.4	8.6	3.0	0.7	2.5	-1.0	-3.2	0.8	2.4	-8.1	-15.2	-13.3		
AEO2002									-1.7	3.2	5.7	10.4	14.8	14.9	12.6	10.6	10.6	10.2	5.7	3.0	4.4	0.2	-2.9	0.5	1.5	-9.2	-16.6	-15.0		
AEO2003										2.3	4.7	8.4	11.6	10.4	6.5	4.6	4.1	2.6	-2.2	-4.7	-4.1	-8.4	-12.1	-10.4	-10.9	-20.4	-26.6	-25.1	-25.3	
AEO2004											2.4	4.9	8.5	6.3	3.6	0.3	-1.8	-3.8	-9.2	-12.1	-12.0	-16.7	-20.2	-19.1	-18.1	-25.4	-30.0	-29.0	-31.0	
AEO2005											1.7	6.8	4.0	1.2	-1.3	-0.9	-4.2	-8.7	-11.9	-12.9	-17.8	-23.3	-21.8	-19.5	-27.9	-34.5	-34.6	-36.3		
AEO2006												0.5	-1.9	-6.6	-8.8	-10.4	-12.8	-17.4	-20.4	-19.1	-23.4	-24.8	-21.1	-20.7	-29.7	-35.9	-36.0	-37.3		
AEO2007													0.4	-0.7	-3.7	-5.9	-9.2	-16.1	-19.1	-20.3	-23.6	-27.7	-26.5	-26.5	-34.1	-38.6	-37.9	-38.8		
AEO2008														-1.4	-4.9	-6.5	-9.5	-15.9	-19.3	-19.8	-24.6	-28.0	-26.3	-26.9	-36.1	-42.3	-41.3	-41.6		
AEO2009															1.6	-0.1	-6.1	-13.5	-18.5	-19.7	-25.3	-29.5	-28.6	-28.8	-37.0	-42.3	-41.5	-42.1		
AEO2010																-0.1	-6.1	-15.0	-19.8	-21.9	-26.5	-28.8	-27.6	-27.7	-35.9	-41.2	-40.3	-41.7		
AEO2011																	-0.2	-8.1	-11.5	-10.2	-14.4	-17.2	-15.7	-15.7	-25.1	-31.1	-30.0	-31.1		
AEO2012																		0.2	-1.6	-6.0	-10.1	-12.7	-10.0	-9.8	-20.2	-26.4	-25.1	-25.6		
AEO2013																			-0.5	-0.8	-7.3	-11.3	-5.7	-5.4	-15.3	-21.8	-20.5	-21.1		
AEO2014																					-0.1	-5.6	-9.1	-3.7	-1.8	-11.1	-16.2	-13.1	-13.0	
AEO2015																						-0.6	-2.5	2.4	1.2	-9.5	-16.0	-13.9	-14.6	
AEO2016																							0.5	2.9	5.0	-5.4	-12.2	-8.7	-8.9	
AEO2017																								-0.5	3.7	-4.8	-10.6	-8.1	-9.3	
AEO2018																									0.9	-5.3	-7.3	-2.5	-3.1	
AEO2019																										-3.7	-4.2	0.2	-0.1	
AEO2020																											0.5	3.9	5.5	
AEO2021																												1.2	-5.4	
AEO2022																													0.7	
Average Absolute Percent Difference	2.1	4.5	3.0	2.9	3.0	2.6	3.7	2.8	3.1	5.2	6.2	9.6	13.4	11.4	8.9	7.0	6.6	7.5	8.2	8.8	8.9	10.8	13.3	11.5	11.0	18.3	23.0	20.8	21.6	

Data source: Historical data are from the U.S. Energy Information Administration open data API (accessed April 2022), <http://www.eia.gov/opendata/>, series: TOTAL.NGPRPUSA; projections: Annual Energy Outlook, Reference case projections from various editions

Notes: shading indicates overestimation (blue) or underestimation (green).