

Annual Energy Outlook Evaluation, 2005

Table 1. Comparison of Absolute Percent Difference Between AEO Reference Case Projections and Realized Outcomes

Variable	Average Absolute Percent Difference					
	AEO82 to AEO2000	AEO82 to AEO2001	AEO82 to AEO2002	AEO82 to AEO2003	AEO82 to AEO2004	AEO82 to AEO2005
Consumption and Emissions						
Total Energy Consumption	2.0	2.1	2.1	2.1	2.2	2.2
Total Petroleum Consumption	3.0	3.1	3.1	3.0	2.9	2.9
Total Natural Gas Consumption	7.1	7.1	6.7	6.4	6.4	6.4
Total Coal Consumption	3.3	3.5	3.6	3.7	3.9	3.9
Total Electricity Sales	2.0	2.3	2.3	2.3	2.4	2.4
Total Carbon Dioxide Emissions	3.1	3.3	3.2	3.1	3.1	3.0
Production						
Crude Oil Production	4.5	4.5	4.5	4.6	4.6	4.7
Natural Gas Production	4.6	4.6	4.4	4.5	4.7	4.9
Coal Production	3.5	3.8	3.7	3.8	4.1	4.2
Imports and Exports						
Petroleum Net Imports	8.3	7.7	7.3	7.1	6.8	6.5
Natural Gas Net Imports	15.9	16.1	15.8	15.4	15.2	14.9
Prices and Economic Variables						
World Oil Prices	68.4	65.5	62.4	59.3	56.4	54.2
Natural Gas Wellhead Prices	82.4	78.6	74.3	70.4	67.5	64.9
Coal Prices to Electric Generating Plants*	46.5	49.8	49.1	48.4	47.7	47.0
Average Electricity Prices	18.6	20.1	19.8	19.6	19.6	19.5
Gross Domestic Product	5.7	5.9	5.8	5.6	5.5	5.4
Energy Intensity	5.8	6.1	6.0	5.8	5.7	5.7

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Source: Statistics in Table 1 are a summary of the calculations in Tables 2 through 18. The data in Tables 2 through 18 are based on the 1982 through 2004 *Annual Energy Outlook* projections. Historical data are taken from the *Annual Energy Review 2004*, DOE/EIA-0384(2004) (Washington, DC, September 2005) and the *Monthly Energy Review November 2005*, DOE/EIA-0035(2005/11) (Washington, DC, November 2005).

Note: Projections of carbon dioxide emissions began in AEO93 and were first evaluated in 2000. Revisions to historical carbon emissions are reflected in this edition. Evaluation of energy intensity projections began in 2003.

*Coal prices to electric generating plants are not published in the *Annual Energy Review*. Beginning in AEO2003, EIA electric generating projections incorporated combined heat and power (CHP) electricity generation in electricity generating plants. Prior to AEO2003, coal price projections reflected data collected, estimated, and reported to electric utilities and excluded CHP power generation.