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Annual Energy Outlook 2009 with Projections to 2030

Table 21. Comparison of coal projections, 2015, 2025, and 2030 (million short tons, except where noted)

Projection	2007	AEO2009 reference case	Other projections				
			IHSGI	DB	IER	IEA	WM
				2015			
Production	**1,147**	**1,206**	**1,167**	**NA**	**896**	**24.8 [a]**	**1,225 [b]**
Consumption by sector							
Electric power	1,046	1,096	1,069	NA	752	NA	NA
Coke plants	23	20	22	NA	37	NA	NA
Coal-to-liquids	0	17	NA	NA	28	NA	NA
Other industrial/buildings	60	60	59	NA	73	NA	NA
Total	**1,129**	**1,192**	**1,150**	**23.0 [a]**	**890**	**23.0 [a]**	**NA**
Net coal exports	**25**	**28**	**17**	**NA**	**6**	**NA**	**16**
Exports	59	65	57	NA	33	NA	37
Imports	34	38	40	NA	27	NA	22
Minemouth price							
(2007 dollars per short ton)	25.82	28.71	23.79 [c]	NA	34.43 [d]	NA	32.27 [d]
(2007 dollars per million Btu)	1.27	1.42	1.15	NA	1.66 [d]	NA	1.61 [d]
Average delivered price to electricity generators							
(2007 dollars per short ton)	35.45	38.47	37.47 [c]	NA	42.30 [d]	NA	49.24 [d]
(2007 dollars per million Btu)	1.78	1.94	1.81	NA	2.04 [d]	NA	2.51 [d]
				2025			
Production	**1,147**	**1,248**	**1,158**	**NA**	**1,046**	**NA**	**1,361 [a]**
Consumption by sector							
Electric power	1,046	1,126	1,071	NA	815	NA	NA
Coke plants	23	18	20	NA	38	NA	NA
Coal-to-liquids	0	48	NA	NA	53	NA	NA
Other industrial/buildings	60	59	56	NA	85	NA	NA
Total	**1,129**	**1,252**	**1,147**	**21.9 [a]**	**991**	**25.0 [a]**	**NA**
Net coal exports	**25**	**8**	**10**	**NA**	**56**	**NA**	**33**
Exports	59	53	48	NA	72	NA	52
Imports	34	45	38	NA	16	NA	18
Minemouth price							
(2007 dollars per short ton)	25.82	28.45	22.21 [c]	NA	34.43 [d]	NA	32.26 [d]
(2007 dollars per million Btu)	1.27	1.42	1.07	NA	1.66 [d]	NA	1.62 [d]
Average delivered price to electricity generators							
(2007 dollars per short ton)	35.45	38.83	35.40 [c]	NA	42.30 [d]	NA	50.17 [d]
(2007 dollars per million Btu)	1.78	1.96	1.71	NA	2.04 [d]	NA	2.52 [d]

Table 21. Comparison of coal projections, 2015, 2025, and 2030 (continued)
(million short tons, except where noted)

Projection	2007	AEO2009 reference case	Other projections				
			IHSGI	DB	IER	IEA	WM
		2030					
Production	**1,147**	**1,341**	**1,158**	**NA**	**1,035**	**27.3** [a]	**NA**
Consumption by sector							
Electric power	1,046	1,215	1,077	NA	797	NA	NA
Coke plants	23	18	20	NA	37	NA	NA
Coal-to-liquids	0	70	NA	NA	69	NA	NA
Other industrial/buildings	60	60	53	NA	88	NA	NA
Total	**1,129**	**1,363**	**1,150**	**21.4** [a]	**991**	**25.1** [a]	**NA**
Net coal exports	**25**	**-10**	**9**	**NA**	**44**	**NA**	**NA**
Exports	59	44	46	NA	72	NA	NA
Imports	34	53	38	NA	27	NA	NA
Minemouth price							
(2007 dollars per short ton)	25.82	29.10	21.63 [c]	NA	34.43 [d]	NA	NA
(2007 dollars per million Btu)	1.27	1.46	1.05	NA	1.66 [d]	NA	NA
Average delivered price to electricity generators							
(2007 dollars per short ton)	35.45	40.61	34.90 [c]	NA	42.30 [d]	NA	NA
(2007 dollars per million Btu)	1.78	2.04	1.69	NA	2.04 [d]	NA	NA

Btu = British thermal unit. NA = Not available.
[a]Reported in quadrillion Btu.
[b]Reported in thermal thousand tons; does not include petroleum coke or waste coal.
[c]Imputed, using heat conversion factor implied by U.S. steam coal consumption figures for the electricity sector.
[d]Converted to 2007 dollars, using the *AEO2009* GDP inflator.

Sources: ***2007 and AEO2009:*** AEO2009 National Energy Modeling System, run AEO2009.D120908A. **IHSGI:** IHS Global Insight, Inc., *2008 U.S. Energy Outlook* (September 2008). **DB:** Deutsche Bank AG, e-mail from Adam Sieminski on November 4, 2008. **IER:** Institute of Energy Economics and the Rational Use of Energy at the University of Stuttgart, TIAM Global Energy System Model (November 2008). **IEA:** International Energy Agency, *World Energy Outlook 2008* (Paris, France, November 2008).**WM:** Hill and Associates, a Wood Mackenzie Company, *Fall 2008 Long Term Outlook Base Case* and *2008 International Coal Trade Base Case.*