

Table 14. Comparisons of coal projections, 2011-2040 (million short tons, except where noted)

| Projection | AEO2013 Reference case | | | Other projections | | | | IEA (quadrillion Btu) | Exxon- Mobil ^c |
|---|------------------------|----------------------|-------------------|----------------------|------------------|--------------------|--------------------------|--------------------------|------------------------------|
| | 2011 | (million short tons) | (quadrillion Btu) | EVA ^a | ICF ^b | IHSGI | INFORUM | | |
| | | | | (million short tons) | | | | | |
| 2025 | | | | | | | | | |
| Production | 1,096 | 1,113 | 22.54 | 958 | 1,104 | 1,107 | 1,061 | -- | -- |
| East of the Mississippi | 456 | 447 | -- | 402 | 445 | -- | -- | -- | -- |
| West of the Mississippi | 639 | 666 | -- | 556 | 659 | -- | -- | -- | -- |
| Consumption | | | | | | | | | |
| Electric power | 929 | 929 | 17.66 | 786 | 939 | 864 | -- | -- | 13 |
| Coke plants | 21 | 22 | 0.58 | 22 | 15 | 19 | -- | -- | -- |
| Coal-to-liquids | -- | 6 | -- | -- | 36 | -- | -- | -- | -- |
| Other industrial/buildings | 49 | 53 | 1.69 ^d | 29 | 72 | 44 | 1.96 ^d | -- | -- |
| Total consumption (quadrillion Btu) | 19.66 | -- | 19.35 | -- | -- | 18.34 | -- | -- | 13 |
| Total consumption (million short tons) | 999 | 1,010 | -- | 836 | 1,061 | 927 | 1,015^e | -- | -- |
| Net coal exports (million short tons) | 96 | 124 | -- | 118 | 43 | 181 | 46 | -- | -- |
| Exports | 107 | 129 | -- | 121 | 123 | 183 | 72 | -- | -- |
| Imports | 11 | 5 | -- | 4 | 80 ^f | 2 | 26 | -- | -- |
| Minemouth price | | | | | | | | | |
| 2011 dollars per ton | 41.16 | 52.02 | -- | -- | 32.99 | -- | 45.11 | -- | -- |
| 2011 dollars per Btu | 2.04 | 2.60 | -- | -- | 1.66 | -- | 2.65 | -- | -- |
| Average delivered price to electricity generators | | | | | | | | | |
| 2011 dollars per ton | 46.38 | 51.14 | -- | -- | 43.86 | 46.71 ^g | 50.83 | -- | -- |
| 2011 dollars per Btu | 2.38 | 2.69 | -- | -- | 2.12 | 2.39 | -- | -- | -- |
| 2035 | | | | | | | | | |
| Production | 1,096 | 1,171 | 23.60 | 954 | 1,053 | 1,041 | 1,096 | -- | -- |
| East of the Mississippi | 456 | 455 | -- | 397 | 428 | -- | -- | -- | -- |
| West of the Mississippi | 639 | 716 | -- | 558 | 624 | -- | -- | -- | -- |
| Consumption | | | | | | | | | |
| Electric power | 929 | 975 | 18.48 | 791 | 919 | 787 | -- | 18.97 ^h | 9 |
| Coke plants | 21 | 18 | 0.48 | 21 | 12 | 18 | -- | -- | -- |
| Coal-to-liquids | -- | 11 | -- | -- | 65 | -- | -- | -- | -- |
| Other industrial/buildings | 49 | 53 | 1.60 ^d | 24 | 117 | 36 | 2.12 ^d | -- | -- |
| Total consumption (quadrillion Btu) | 19.66 | -- | 20.09 | -- | -- | 16.55 | -- | 21.35^h | 9 |
| Total consumption (million short tons) | 999 | 1,058 | -- | 835 | 1,113 | 841 | 1,079^e | -- | -- |
| Net coal exports (million short tons) | 96 | 136 | -- | 116 | -61 | 201 | 17 | -- | -- |
| Exports | 107 | 158 | -- | 119 | 75 | 203 | 68 | -- | -- |
| Imports | 11 | 22 | -- | 4 | 136 ^g | 2 | 51 | -- | -- |
| Minemouth price | | | | | | | | | |
| 2010 dollars per ton | 41.16 | 58.57 | -- | -- | 30.94 | -- | -- | -- | -- |
| 2010 dollars per Btu | 2.04 | 2.94 | -- | -- | 1.58 | -- | 2.88 | -- | -- |
| Average delivered price to electricity generators | | | | | | | | | |
| 2011 dollars per ton | 46.38 | 57.39 | -- | -- | 43.24 | 47.19 ^g | 55.20 | -- | -- |
| 2011 dollars per Btu | 2.38 | 3.03 | -- | -- | 2.12 | 2.43 | -- | -- | -- |

-- = not reported.
See notes at end of table.

(continued on next page)

Table 14. Comparisons of coal projections, 2011-2040 (million short tons, except where noted) (continued)

| Projection | AEO2013 Reference case | | | Other projections | | | | | |
|---|------------------------|----------------------|-------------------|----------------------|------------------|--------------------|-------------------|-----|--------------------------|
| | 2011 | (million short tons) | (quadrillion Btu) | EVA ^a | ICF ^b | IHSGI | INFORUM | IEA | Exxon-Mobil ^c |
| | | | | (million short tons) | | | (quadrillion Btu) | | |
| | | | | 2040 | | | | | |
| Production | 1,096 | 1,167 | 23.54 | 957 | -- | 1,015 | -- | -- | -- |
| East of the Mississippi | 456 | 453 | -- | 396 | -- | -- | -- | -- | -- |
| West of the Mississippi | 639 | 714 | -- | 561 | -- | -- | -- | -- | -- |
| Consumption | | | | | | | | | |
| Electric power | 929 | 984 | 18.68 | 797 | -- | 760 | -- | -- | 6 |
| Coke plants | 21 | 18 | 0.46 | 19 | -- | 17 | -- | -- | -- |
| Coal-to-liquids | -- | 14 | -- | -- | -- | -- | -- | -- | -- |
| Other industrial/buildings | 49 | 55 | 1.62 ^d | 21 | -- | 33 | -- | -- | -- |
| Total consumption (quadrillion Btu) | 19.66 | -- | 20.35 | -- | -- | 15.90 | -- | -- | 6 |
| Total consumption (million short tons)^e | 999 | 1,071 | -- | 838 | -- | 810 | -- | -- | -- |
| Net coal exports (million short tons) | 96 | 123 | -- | 116 | -- | 206 | -- | -- | -- |
| Exports | 107 | 159 | -- | 119 | -- | 208 | -- | -- | -- |
| Imports | 11 | 36 | -- | 4 | -- | 2 | -- | -- | -- |
| Minemouth price | | | | | | | | | |
| 2011 dollars per ton | 41.16 | 61.28 | -- | -- | -- | -- | -- | -- | -- |
| 2011 dollars per Btu | 2.04 | 3.08 | -- | -- | -- | -- | -- | -- | -- |
| Average delivered price to electricity generators | | | | | | | | | |
| 2011 dollars per ton | 46.38 | 60.77 | -- | -- | -- | 47.70 ^g | -- | -- | -- |
| 2011 dollars per Btu | 2.38 | 3.20 | -- | -- | -- | 2.46 | -- | -- | -- |

-- = not reported.

^aRegulations known to be accounted for in the EVA projections include MATS, CAIR, regulations for cooling-water intake structures under Section 316(b) of the Clean Water Act, and regulations for coal combustion residuals under authority of the Resource Conservation and Recovery Act.

^bRegulations known to be accounted for in the ICF projections include MATS for mercury, HCl and filterables PM requirements starting in 2016, Phase I and II for CAIR followed by a more stringent CAIR replacement in 2018 to address 2012 NAAQS for PM2.5, final state-level mercury restrictions prior to MATS start date and in instances where the state requirement is more stringent than MATS, entrainment requirements for cooling water intake structures beginning in 2025, and coal combustion residual requirements under subtitle D starting in 2018, and a federal carbon cap and trade program starting in 2023.

^cExxonMobil projections include a carbon tax.

^dCoal consumption in quadrillion Btu. INFORUM's value appears to include coal consumption at coke plants. To facilitate comparison, the AEO2013 value also includes coal consumption at coke plants.

^eCalculated as imports = (consumption - production + exports).

^fCalculated as consumption = (production - exports + imports).

^gImputed, using heat conversion factor implied by U.S. steam coal consumption data for the electricity sector.

^hFor IEA, data were converted from million tons of oil equivalent using a conversion factor of 39.683 million Btu per ton of oil equivalent.