International Energy Outlook 2006

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**Table 11. World Coal Flows by Importing and Exporting Regions, Reference Case, 2004, 2015, and 2030**
(Million Short Tons)

| | Importers | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Steam | | | | Coking | | | | Total | | | |
| Exporters | Europe[a] | Asia | Americas | Total[b] | Europe[a] | Asia[c] | Americas | Total[b] | Europe[a] | Asia | Americas | Total[b] |
| | | | | | | 2004 | | | | | | |
| Australia | 6.3 | 109.8 | 3.3 | **119.4** | 30.6 | 88.5 | 9.1 | **128.2** | 36.9 | 198.3 | 12.4 | **247.6** |
| United States | 3.6 | 2.3 | 16.1 | **22.0** | 13.4 | 5.2 | 7.4 | **26.0** | 17.0 | 7.4 | 23.6 | **48.0** |
| South Africa | 68.6 | 2.4 | 0.7 | **73.7** | 0.8 | 0.0 | 0.4 | **1.2** | 69.3 | 2.4 | 1.1 | **74.9** |
| Former Soviet Union | 36.0 | 11.7 | 0.2 | **47.9** | 2.1 | 5.6 | 0.0 | **7.8** | 38.1 | 17.3 | 0.2 | **55.7** |
| Poland | 15.1 | 0.0 | 0.1 | **15.2** | 1.0 | 0.1 | 0.0 | **1.1** | 16.0 | 0.1 | 0.2 | **16.3** |
| Canada | 0.0 | 0.6 | 1.6 | **2.2** | 9.2 | 12.8 | 4.4 | **26.6** | 9.2 | 13.3 | 6.1 | **28.8** |
| China | 4.2 | 84.2 | 0.8 | **89.2** | 0.0 | 6.3 | 0.0 | **6.3** | 4.2 | 90.4 | 0.8 | **95.5** |
| South America[d] | 37.0 | 0.0 | 28.5 | **65.9** | 0.0 | 0.0 | 0.0 | **0.0** | 37.0 | 0.0 | 28.5 | **65.9** |
| Vietnam | 0.3 | 9.9 | 0.0 | **10.3** | 0.0 | 0.0 | 0.0 | **0.0** | 0.3 | 9.9 | 0.0 | **10.3** |
| Indonesia/Other[e] | 17.6 | 81.7 | 3.4 | **103.5** | 0.2 | 17.3 | 0.1 | **17.6** | 17.8 | 99.0 | 3.5 | **121.2** |
| **Total** | **188.8** | **302.5** | **54.8** | **549.2** | **57.3** | **135.7** | **21.5** | **214.8** | **246.0** | **438.3** | **76.3** | **764.0** |
| | | | | | | 2015 | | | | | | |
| Australia | 5.0 | 112.0 | 0.0 | **116.9** | 30.3 | 124.1 | 10.9 | **165.4** | 35.3 | 236.1 | 10.9 | **282.3** |
| United States | 4.9 | 1.4 | 5.4 | **11.7** | 0.2 | 0.0 | 14.2 | **14.4** | 5.1 | 1.4 | 19.6 | **26.1** |
| South Africa | 62.8 | 19.8 | 6.3 | **88.9** | 0.9 | 0.0 | 0.7 | **1.7** | 63.8 | 19.8 | 7.0 | **90.5** |
| Former Soviet Union | 44.0 | 23.7 | 0.0 | **67.7** | 3.2 | 9.4 | 0.0 | **12.5** | 47.2 | 33.0 | 0.0 | **80.2** |
| Poland | 6.6 | 0.0 | 0.1 | **6.7** | 1.1 | 0.0 | 0.0 | **1.1** | 7.7 | 0.0 | 0.1 | **7.8** |
| Canada | 0.0 | 0.0 | 3.3 | **3.3** | 18.9 | 15.6 | 1.3 | **35.8** | 18.9 | 15.6 | 4.6 | **39.1** |
| China | 0.0 | 89.4 | 1.0 | **90.4** | 0.0 | 6.9 | 0.0 | **6.9** | 0.0 | 96.3 | 1.0 | **97.3** |
| South America[d] | 59.6 | 0.0 | 43.4 | **103.0** | 0.0 | 0.0 | 0.0 | **0.0** | 59.6 | 0.0 | 43.4 | **103.0** |
| Vietnam | 0.0 | 30.9 | 0.0 | **30.9** | 0.0 | 0.0 | 0.0 | **0.0** | 0.0 | 30.9 | 0.0 | **30.9** |
| Indonesia/Other[e] | 3.6 | 123.1 | 2.1 | **128.7** | 0.5 | 15.0 | 0.0 | **15.4** | 4.1 | 138.0 | 2.1 | **144.2** |
| **Total** | **186.5** | **400.2** | **61.5** | **648.2** | **55.1** | **171.0** | **27.2** | **253.2** | **241.6** | **571.2** | **88.7** | **901.4** |
| | | | | | | 2030 | | | | | | |
| Australia | 7.3 | 170.2 | 0.0 | **177.5** | 36.1 | 155.5 | 15.3 | **206.9** | 43.4 | 325.7 | 15.3 | **384.4** |
| United States | 2.8 | 1.4 | 6.1 | **10.3** | 0.6 | 0.0 | 17.9 | **18.6** | 3.4 | 1.4 | 24.1 | **28.9** |
| South Africa | 64.3 | 23.8 | 11.0 | **99.0** | 0.0 | 0.0 | 0.8 | **0.8** | 64.3 | 23.8 | 11.8 | **99.8** |
| Former Soviet Union | 44.0 | 28.8 | 0.0 | **72.8** | 6.5 | 11.0 | 0.0 | **17.5** | 50.5 | 39.8 | 0.0 | **90.3** |
| Poland | 4.0 | 0.0 | 0.4 | **4.4** | 0.6 | 0.0 | 0.0 | **0.6** | 4.5 | 0.0 | 0.4 | **5.0** |
| Canada | 0.0 | 0.0 | 3.3 | **3.3** | 18.3 | 21.5 | 1.7 | **41.6** | 18.3 | 21.5 | 5.0 | **44.9** |
| China | 0.0 | 94.9 | 3.2 | **98.1** | 0.0 | 7.7 | 0.0 | **7.7** | 0.0 | 102.6 | 3.2 | **105.8** |
| South America[d] | 51.0 | 0.0 | 92.7 | **143.7** | 0.0 | 0.0 | 0.0 | **0.0** | 51.0 | 0.0 | 92.7 | **143.7** |
| Vietnam | 0.0 | 59.5 | 0.0 | **59.5** | 0.0 | 0.0 | 0.0 | **0.0** | 0.0 | 59.5 | 0.0 | **59.5** |
| Indonesia/Other[e] | 0.0 | 137.5 | 7.0 | **144.5** | 0.4 | 15.0 | 0.0 | **15.4** | 0.4 | 152.5 | 7.0 | **159.9** |
| **Total** | **173.3** | **516.1** | **123.8** | **813.2** | **62.5** | **210.7** | **35.7** | **309.0** | **235.8** | **726.9** | **159.6** | **1,122.2** |

[a]Europe/Mediterranean, including coal shipments to the Middle East and Africa.
[b]In 2004, total world coal flows include a balancing item used to reconcile discrepancies between reported exports and imports. The 2004 balancing items by coal type were 3.2 million tons (steam coal), 0.3 million tons (coking coal), and 3.4 million tons (total).
[c]Includes 15.4 million tons of coal for pulverized coal injection at blast furnaces shipped to Japanese steelmakers in 2004.
[d]Coal exports from South America are projected to originate from mines in Colombia and Venezuela.
[e]Includes shipments from other countries not modeled for the projection period. The 2004 exports from other countries by coal type were 3.1 million tons (steam coal), 2.2 million tons (coking coal), and 5.3 million tons (total).
Notes: Data exclude non-seaborne shipments of coal to Europe and Asia. Totals may not equal sum of components due to independent rounding.
Sources: **2004:** SSY Consultancy and Research, Ltd., *SSY's Coal Trade Forecast*, Vol. 14, No. 3 (London, UK, September 2005); and Energy Information Administration, *Quarterly Coal Report*, October-December 2004, DOE/EIA-0121(2004/4Q) (Washington, DC, March 2005). **2015 and 2030:** Energy Information Administration, National Energy Modeling System, run IEO2006.D041306A.