



## Coal in Electricity Generation

Coal is the major fuel used for generating electricity worldwide – countries heavily dependent on coal for electricity include (2005e):

|           |            |            |            |           |     |
|-----------|------------|------------|------------|-----------|-----|
| Poland    | 92%        | Israel     | 75% (2004) | Czech Rep | 61% |
| S Africa  | 92% (2004) | Kazakhstan | 70% (2004) | Greece    | 59% |
| Australia | 79%        | India      | 69% (2004) | USA       | 50% |
| China     | 78% (2004) | Morocco    | 67% (2004) | Germany   | 49% |

## Coal and Steel

Approximately 13% (around 664 Mt) of total hard coal production is currently used by the steel industry – over 66% of total global steel production is dependent on coal.

## International Hard Coal Trade (Source: IEA – [www.iea.org](http://www.iea.org))

|       | Steam  | Coking | Total Trade |
|-------|--------|--------|-------------|
| 1995  | 297 Mt | 196 Mt | 494 Mt      |
| 2000  | 421 Mt | 188 Mt | 609 Mt      |
| 2005e | 548 Mt | 227 Mt | 775 Mt      |

## Development of Seaborne Trade (Source: SSY – [www.ssyonline.com](http://www.ssyonline.com))

|      | Steam Coal |         | Coking Coal |         |
|------|------------|---------|-------------|---------|
|      | Atlantic   | Pacific | Atlantic    | Pacific |
| 1985 | 76 Mt      | 55 Mt   | 61 Mt       | 83 Mt   |
| 1995 | 120 Mt     | 129 Mt  | 68 Mt       | 103 Mt  |
| 2000 | 157 Mt     | 187 Mt  | 70 Mt       | 109 Mt  |
| 2005 | 219 Mt     | 289 Mt  | 72 Mt       | 129 Mt  |

Since 1985, seaborne steam coal trade has increased on average by about 7% pa and seaborne coking coal trade by 1.6% pa.

## Top Coal Exporters (2005e)

|              | Total* of which | Steam  | Coking |  |
|--------------|-----------------|--------|--------|--|
| Australia    | 231 Mt          | 106 Mt | 125 Mt |  |
| Indonesia    | 108 Mt          | 89 Mt  | 19 Mt  |  |
| Russia       | 76 Mt           | 67 Mt  | 12 Mt  |  |
| South Africa | 73 Mt           | 72 Mt  | 1 Mt   |  |
| PR China     | 72 Mt           | 66 Mt  | 6 Mt   |  |
| Colombia     | 56 Mt           | 55 Mt  | 0.1 Mt |  |
| USA          | 45 Mt           | 19 Mt  | 26 Mt  |  |
| Canada       | 28 Mt           | 1 Mt   | 26 Mt  |  |
| Poland       | 21 Mt           | 18 Mt  | 3 Mt   |  |

*\*Discrepancies due to rounding & adjustments for differences in coal classification.*

## Top Coal Importers (2005e)

|                | Total* of which | Steam  | Coking |  |
|----------------|-----------------|--------|--------|--|
| Japan          | 178 Mt          | 114 Mt | 63 Mt  |  |
| Rep of Korea   | 77 Mt           | 56 Mt  | 21 Mt  |  |
| Chinese Taipei | 61 Mt           | 57 Mt  | 5 Mt   |  |
| UK             | 44 Mt           | 37 Mt  | 7 Mt   |  |
| Germany        | 38 Mt           | 31 Mt  | 7 Mt   |  |

*Other major importers of coking coal: India (20 Mt), Brazil (15 Mt), PR China (7 Mt)*

Sources: BP, IEA, IISI, SSY, WEC (e = estimated)

For more information about coal, visit the World Coal Institute website  
[www.worldcoal.org](http://www.worldcoal.org)

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