



## COAL FACTS

2008 Edition with 2007 data

Coal provides 26% of global primary energy needs and generates 41% of the world's electricity

### Total Global Hard Coal Production

2007e	5543Mt
2006	5205Mt
1990	3489Mt

### Total Global Brown Coal/Lignite Production

2007e 945Mt      2006 937Mt

Brown coal production increased by 0.85% in 2007. Germany remains the world's largest brown coal producer, with production increasing by around 2% in 2007. Brown coal production also increased in Turkey, Australia, India and Indonesia.

### Reserves

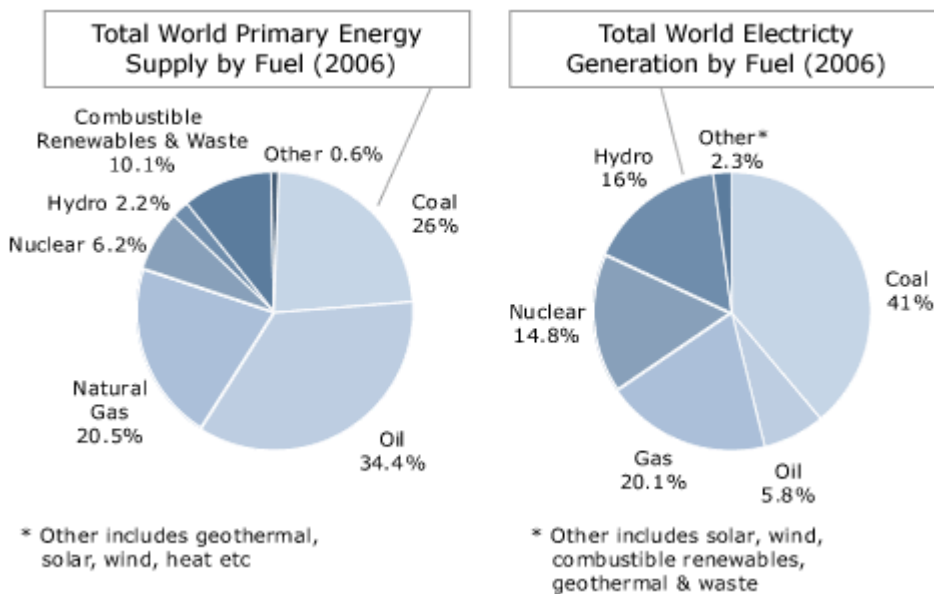
Coal reserves are available in almost every country worldwide, with recoverable reserves in around 70 countries. At current production levels, proven coal reserves are estimated to last 133 years. In contrast, proven oil and gas reserves are equivalent to around 42 and 60. Over 67% of oil and 66% of gas reserves are concentrated in the Middle East and Russia.

### Top Ten Hard Coal Producers (2007e)

PR China	2549Mt	Russia	241Mt
USA	981Mt	Indonesia	231Mt
India	452Mt	Poland	90Mt
Australia	323Mt	Kazakhstan	83Mt
South Africa	244Mt	Colombia	72Mt

## Global Hard Coal Consumption

	1990	2006	2007e
World	3461Mt	5164Mt	5522Mt
<b>Selected Regional Aggregate Estimates</b>			
OECD Europe	14%	7%	7%
OECD North America	22%	19%	18%
OECD Pacific	6%	7%	6%
PR China	30%	45%	46%



## Coal in Electricity Generation

Coal is the major fuel used for generating electricity worldwide - countries heavily dependent on coal for electricity include (2006e):

<b>Poland</b>	<b>93%</b>	<b>Israel</b>	<b>71%*</b>	<b>Czech Republic</b>	<b>59%</b>
South Africa	93%*	Kazakhstan	70%*	Greece	58%
Australia	80%	India	69%*	USA	50%
PR China	78%	Morocco	69%*	Germany	47%

\* only 2005 figures available for these countries

## Coal & Steel

Approximately 13% (around 717Mt) of total hard coal production is currently used by the steel industry and almost 70% of total global steel production is dependent on coal.

### International Hard Coal Trade

	Steam	Coking	Total Trade
1990	299 Mt	199 Mt	498 Mt
2000	421 Mt	187 Mt	608 Mt
2007	670 Mt	247 Mt	917 Mt

Source: IEA - [www.iea.org](http://www.iea.org)

### Development of Seaborne Trade

	Steam Coal		Coking Coal	
	Atlantic	Pacific	Atlantic	Pacific
1986	74Mt	59Mt	61Mt	81Mt
1996	125Mt	139Mt	70Mt	103Mt
2006	240Mt	330Mt	72Mt	129Mt

Source: SSY - [www.ssyonline.com](http://www.ssyonline.com)

Since 1986, seaborne steam coal trade has increased on average by about 7.5% p.a and seaborne coking coal trade by 1.8% p.a.

### Top Coal Exporters (2007e)

	Total of which	Steam	Coking
Australia	244 Mt	112 Mt	132 Mt
Indonesia	202 Mt	171 Mt	31 Mt
Russia	100 Mt	85 Mt	15 Mt
Colombia	67 Mt	67 Mt	-
South Africa	67 Mt	66 Mt	1 Mt
PR China	54 Mt	51 Mt	3 Mt
USA	53 Mt	24 Mt	29 Mt

### Top Coal Importers (2007e)

	<b>Total of which</b>	<b>Steam</b>	<b>Coking</b>
Japan	182Mt	128Mt	54Mt
Korea	88Mt	65Mt	23Mt
Chinese Taipei	69Mt	61Mt	8Mt
India	54Mt	31Mt	23Mt
UK	50Mt	43Mt	7Mt
PR China	48Mt	42Mt	6Mt
Germany	46Mt	36Mt	10Mt

**Sources:** BP, IEA, World Steel Association, SSY

(e = estimated)

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

**WORLD COAL INSTITUTE**

[info@worldcoal.org](mailto:info@worldcoal.org) [www.worldcoal.org](http://www.worldcoal.org)

**December 2008**