Can Coal Be Part Of The Answer?

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Energy Consumption and Development

Energy Intensity per Capita

Source: World Bank, OECD (GDP at Purchasing Power Parity), BP Statistical Review

GDP/Capita (PPP, Jan. 2006 US$'000)

Energy Use per Capita (Barrels Oil Equivalent)

USA (1960-2004)

Germany (1965-2004)

S. Korea (1965-2004)

Taiwan (1965-2004)

Japan (1960-2004)

China (1965-2004)

India (2005)

Source: World Bank, OECD (GDP at Purchasing Power Parity), BP Statistical Review
Global Thermal Coal Atlas
- Coal is relatively abundant

Source: IEA Statistics – Coal Information 2003, Proven Recoverable Reserves, excludes Brown Coal/Lignite

Total World: 897 bt
North America: 223 bt
Europe: 52 bt
Latin America: 22 bt
Africa: 55 bt
Russia: 147 bt
India: 96 bt
China: 82 bt
Australia: 45 bt
Indonesia: 3 bt
Cost and CO₂ Emissions of Electric Power Generation Technologies

Source: IEA World Energy Outlook 2006; CSIRO; IPCC 2005 Special Report
Cost and CO₂ Emissions of Electric Power Generation Technologies

- Biomass
- Nuclear
- Wind
- Coal, IGCC w/ CCS
- Gas, CCGT
- Coal, IGCC
- Coal, PCC

Source: IEA World Energy Outlook 2006; CSIRO; IPCC 2005 Special Report