

## Energy INFOcard

### United States (1999)

#### PETROLEUM

Production (crude oil, NGPL)(MMbd)	7.8
Net imports (crude oil & refined products)(MMbd)	9.6
Other sources(refinery gain, alcohols, other)(MMbd)	1.6
Consumption (26% of world total in 1998) (MMbd)	19.4
Share of US oil consumption for transportation	66%
Dependence on foreign oil (net imports/consump.)	50%
Share of US imports from: Persian Gulf 23%, OPEC 46%	
Recoverable resources (yrs of current production)	70
Real world oil price (1999\$/bbl) 1980(peak):\$62 1999:\$17	

#### NATURAL GAS

Production(dry gas) (2nd in world to Russia) (tcf)	18.7
Consumption (26% of world total in 1998) (tcf)	21.4
Consumers: industrial ( <i>incl. nonutility electric generation</i> ) 46%, residential 22%, commercial 14%, electric utilities 15%	
Share of consumption from Canadian imports	15%
Recoverable resources (yrs of current production)	71
Real wellhead price (1999\$/Mcf) 1983: \$3.93 1999: \$2.07	

#### COAL

Production (2nd in world after China) (billion tons)	1.10
Share produced West of the Mississippi	49%
Share produced from surface mining	63%
Exports as percent of production	5%
Electricity generation share of consumption	90%
Productivity: 6.2 tons/miner-hour(1998) vs 1.8 t/m-hr(1978)	
Recoverable reserves (yrs of current production)	240+

#### ELECTRICITY

Net generation (trillion kilowatthours)	3.68
<i>Coal 51%, Nuclear 20%, Gas 15%, Hydro 8%, Oil 3%, Non-hydro Renewable 2%</i>	
<i>(Electric power industry; includes utilities and non-utilities)</i>	
Sales: residential 35%, commercial 30%, industrial 32%	
Emissions (million tons) CO <sub>2</sub> --2455, SO <sub>2</sub> --13, NO <sub>x</sub> --8 (1998)	
<i>Coal fired 81% 92% 88%</i>	
<i>Oil &amp; gas fired 18% 7% 11%</i>	
<i>Other 1% 1% 1%</i>	

#### Units:

MMbd = million barrels per day; Mcf = thousand cubic feet  
tcf = trillion cubic feet; kWh = kilowatthour; MM = million

Most recent annual data available as of 5/15/2000

Source: Energy Information Administration,  
U.S. Department of Energy.

## NUCLEAR

Number of operable generating units	104
Capacity (million kilowatts)	97
Capacity Factor	86% in 1999 vs. 62% in 1989

#### RENEWABLE ENERGY

Consumption (quadrillion Btu)	7.4
<i>Hydropower 46%, Wood 38%, Waste 8%, Other(ethanol, geothermal, solar, wind) 8%</i>	
Renewable share of total energy consumption	8%

#### TOTAL ENERGY and EFFICIENCY OF USE

Total Primary Energy Production (quadrillion Btu)	73
<i>Coal 32%, Gas 27, Oil 21, Nuclear 11, Renewable 10%</i>	
Total Consumption (quadrillion Btu)	97
<i>Coal 22%, Gas 23%, Oil 39, Nuclear 8, Renewable 8%</i>	
Energy-related CO <sub>2</sub> emissions (MM tonnes C)(1998)	1485
<i>industrial 32%, transportation 33%, resid.&amp;comm. 35%</i>	
<i>(Emissions from electric generation (37%) are distributed to end-use)</i>	
Decline in Energy/GDP ratio since 1973	2.0%/yr
Number of households (million)(1997)	101
Heated by: Gas 52%, Elect.30, Oil 9,Propane 4,Wood 2%	

### World (1998)

Primary energy production (quadrillion Btu)	382
<i>Coal 23%, Gas 22%, Oil 40%, Hydro 7%, Nuclear 6%</i>	
<i>(Non-US dispersed renewables, primarily firewood, are not included)</i>	
World energy consumption (quadrillion Btu)	378
<i>US 25%, China 9%, Russia 7, Japan 6, Germany 4%</i>	
Per capita consumption (selected countries)(million Btu):	
US 351, Russia 177, Germany 169, Japan 168, China 27	
Energy-related CO <sub>2</sub> emissions (MM tonnes carbon)	6124
<i>US 24%, W.Europe 16%, China 13, Russia 7, Japan 5%</i>	
Crude oil production (million bbls/day)	67
<i>US 9%, OPEC 43%, Persian Gulf 29%</i>	
Electricity generation (trillion kilowatthours)	13.6
<i>US 27%, W.Europe 20%, China 8, Japan 7, Russia 6%</i>	
Nuclear share of electricity (selected countries):	
France 76%, Japan 32%, Germany 29%, UK 28, US 19%	
Share of world nuclear electricity generation (5 largest):	
US 29%, France 16%, Japan 14, Germany 7, Russia 4%	
Retail gasoline price (regular,\$/gal) (selected countries):	
Germany 3.34, Japan 2.82, Australia 1.63, US 1.06	

**Btu Equivalents:** 1 bbl crude oil: 5.8 million; 1 Mcf gas: 1.03 million;  
1 kWh electric: 3.4 thousand; 1 ton coal: ~22 million;

For further information, please contact the National Energy Information Center (202-586-8800 or infoctr@eia.doe.gov) or visit our Web site: [www.eia.doe.gov](http://www.eia.doe.gov)