

# Poland

General data	Unit	2010
Population	million	38.2
GDP	bn €	353.7

Coal resources and reserves *	Unit	2010
Resources hard coal	Gt	44.2
Resources lignite	Gt	60.0
Reserves hard coal	Gt	16.9
Reserves lignite	Gt	14.9

Primary energy production		
Total primary energy production	Mtce	96.8
Hard coal (saleable output)	Mt	76.6
Lignite (saleable output)	Mt or Mtce	56.3 or 15.2

Saleable coal quality		
Hard coal calorific value	kJ/kg NCV	21,000 - 28,000
Lignite calorific value	kJ/kg NCV	7,400 - 10,300
Hard coal ash content	% a.r.	8.0 - 30.0
Lignite ash content	% a.r.	6.0 - 12.0
Hard coal moisture content	% a.r.	6.5 - 11.0
Lignite moisture content	% a.r.	50.0 - 60.0
Hard coal sulphur content	% a.r.	0.4 - 1.2
Lignite sulphur content	% a.r.	0.2 - 1.1

Coal imports/exports		
Hard coal imports	Mt	13.4
Hard coal exports	Mt	10.2

Primary energy consumption		
Total primary energy consumption	Mtce	142.2
Hard coal consumption	Mtce	68.7
Lignite consumption	Mtce	16.5

Power supply		
Total net power generation	TWh	157.4
Net power exports	TWh	-1.4
Total power consumption	TWh	156.0
Power generation from hard coal	TWh	88.0
Power generation from lignite	TWh	48.7
Capacity of coal-fired generation	GW	26.5
Capacity of lignite-fired generation	GW	9.3

Employment **		
Direct in hard coal mining	thousand	114.100
Direct in lignite mining	thousand	16.300

\* Source: Państwowy Instytut Geologiczny as at 31-12-2009

\*\* e.g. in power generation, equipment supply, services and R&D