

Poland - Energy System Overview



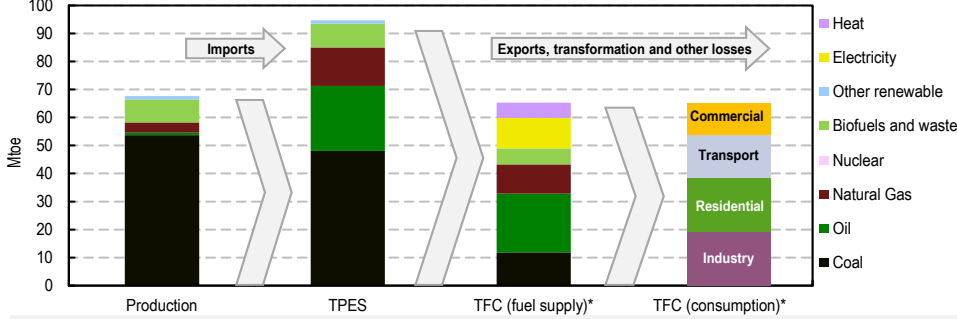
General information

Poland		
Country size	313 000 km ²	10th compared to IEA countries
Population (2015)	38.484 million	3.4% of IEA population
GDP (2015)	886.148 billion USD (PPP)	

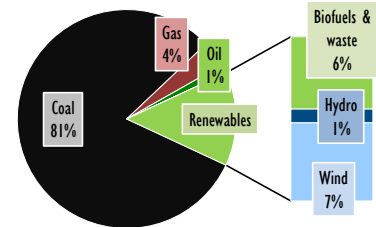
Energy system transformation

SUPPLY AND DEMAND 2015

TPES: 94.6 Mtoe, 10% renewables (IEA average 10%)



Electricity generation: 164.2 TWh
14% renewables (IEA average :24%)



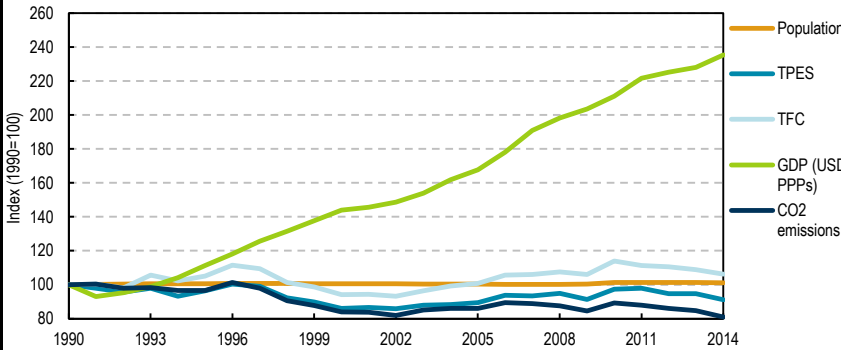
Fuel shares compared to IEA average

Fuel	TPES	IEA average	Ranking in IEA
Coal	51%	18%	2
Oil	24%	36%	25
Gas	15%	26%	22
Hydro	0%	2%	23
Nuclear	0%	10%	17
Biofuels	9%	6%	10
Wind	1%	1%	12
Geothermal	0%	1%	16
Solar	0%	0%	26

Electricity	IEA average	Ranking in IEA
Coal	30%	2
Oil	2%	9
Gas	25%	23
Hydro	13%	22
Nuclear	19%	17
Biofuels	3%	14
Wind	5%	14
Geothermal	0%	9
Solar	2%	25

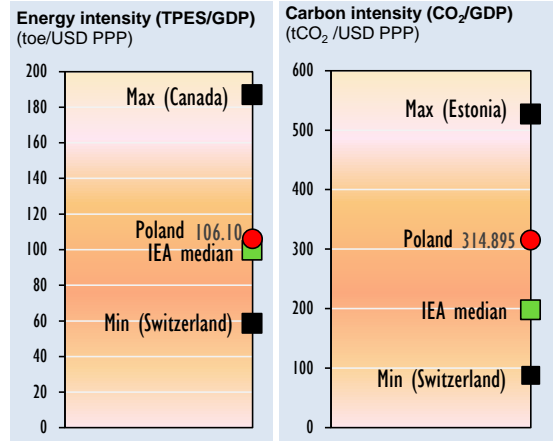
*consumption data are from 2014

KEY ENERGY INDICATOR DEVELOPMENT, 1990-2014



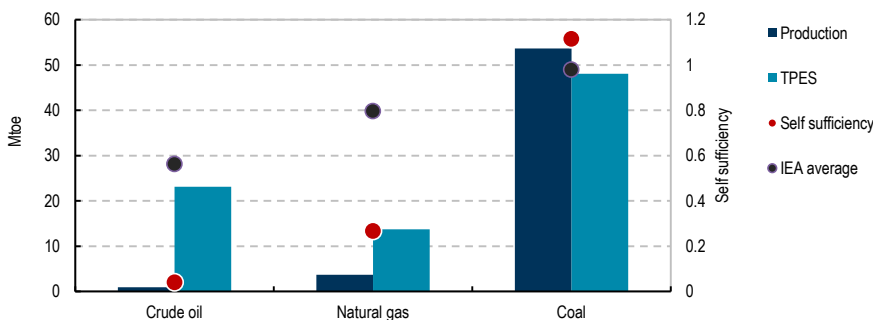
	Poland	IEA average
TPES/Capita (Mtoe/Million)	2.44	4.48
Electricity consumption/Capita (MWh/capita)	3.92	8.72
CO2 emission/Capita (MtCO2/Million)	7.25	10.07

INTENSITY



Energy security

PRODUCTION AND SELF SUFFICIENCY 2015



FUEL	IMPORT COUNTRY
Crude Oil	Russian Federation (88.28%)
	Iraq (6.82%)
Oil Products	Russian Federation (28.82%) Germany (26.3%)
Natural gas	Russian Federation (72.49%) Germany (26.3%)
Coal	Russia (60.27%)
	Australia (19.37%)
ELECTRICITY	
Imports	Germany (68.14%)
Exports	Czech Republic (67.74%)

(Source: IEA energy balances 2016)