

Poland - Energy System Overview

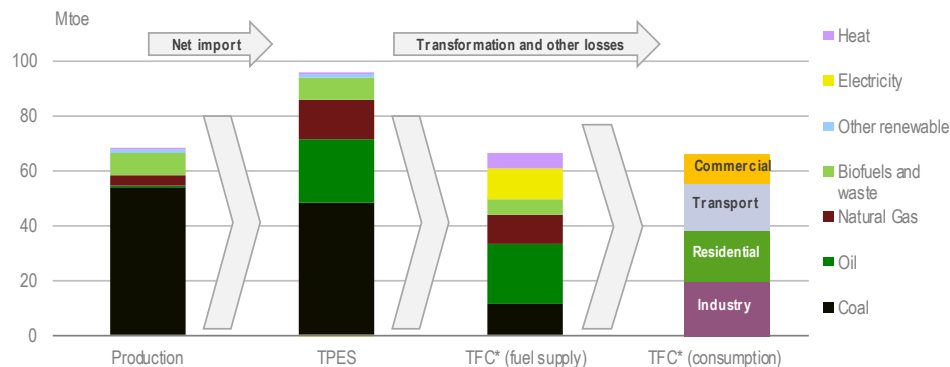
General information

Poland		
Country size	313 000 km ²	10th compared to IEA countries
Population (2015)	38.455 million	3.4% of IEA population
GDP (2015)	931.796 billion USD 2010 prices and PPPs	

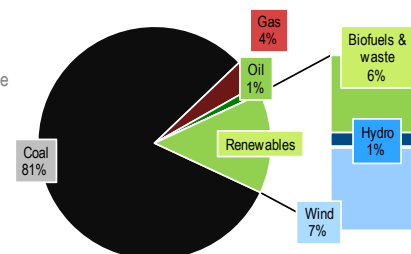
Energy system transformation

SUPPLY AND DEMAND 2015

TPES: 94.9 Mtoe, 10% renewables (IEA average 10%)



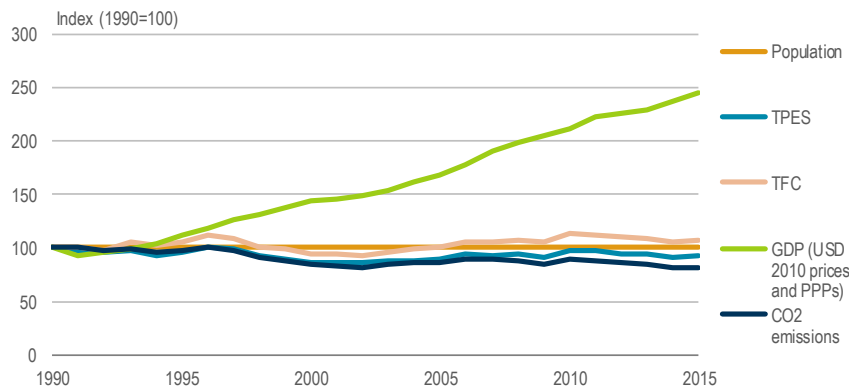
Electricity generation: 164.3 TWh
14% renewables (IEA average: 24%)



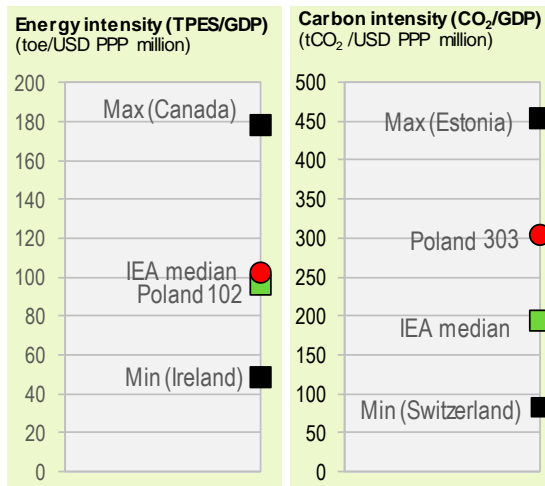
Fuel shares compared to IEA average

Fuel	TPES	IEA average	Ranking in IEA	Electricity	IEA average	Ranking in IEA
Coal	51%	18%	2	81%	30%	2
Oil	25%	36%	24	1%	2%	12
Gas	15%	26%	22	4%	25%	23
Hydro	0%	2%	23	1%	13%	23
Nuclear	0%	10%	17	0%	19%	17
Biofuels	9%	6%	12	6%	3%	14
Wind	1%	1%	12	7%	5%	14
Geothermal	0%	1%	16	0%	0%	9
Solar	0%	0%	25	0%	2%	25

KEY ENERGY INDICATOR DEVELOPMENT, 1990-2015



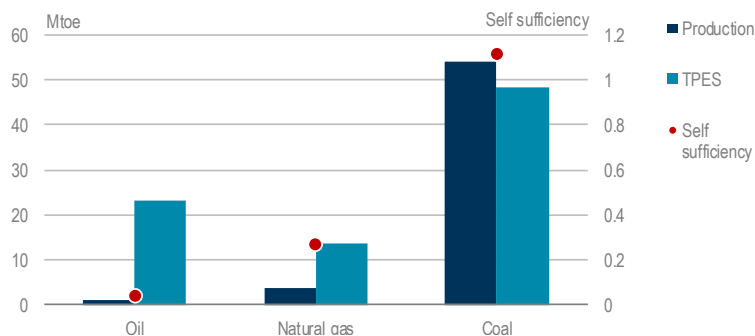
INTENSITY



	Poland	IEA average
TPES/Capita (Mtoe/Million)	2.47	4.44
Electricity consumption/Capita (MWh/capita)	4.01	8.71
CO2 emission/Capita (tCO2)	7.34	9.88

Energy security

PRODUCTION AND SELF SUFFICIENCY 2015



FUEL	NET IMPORTS*	IMPORT/EXPORT COUNTRY
Crude Oil	26.4 Mt	Russian Federation (87.8%)
(import dependency: 94.4%)		Iraq (6.8%)
Oil Products	-2.9 Mt	Netherlands (32%)
		Czech Republic (13.2%)
Natural gas	12.1 bcm	Russian Federation (72.5%)
(import dependency: 66.8%)		Germany (26.3%)
Coal	-0.8 Mt	Czech Republic (29.7%)
(import dependency: -0.2%)		Germany (28.5%)
ELECTRICITY		
Imports	14.5 TWh	Germany (73.7%)
Exports	14.8 TWh	Czech Republic (66%)

*negative numbers mean net exports

Source: IEA energy balances 2017