

Switzerland - Energy System Overview

General information

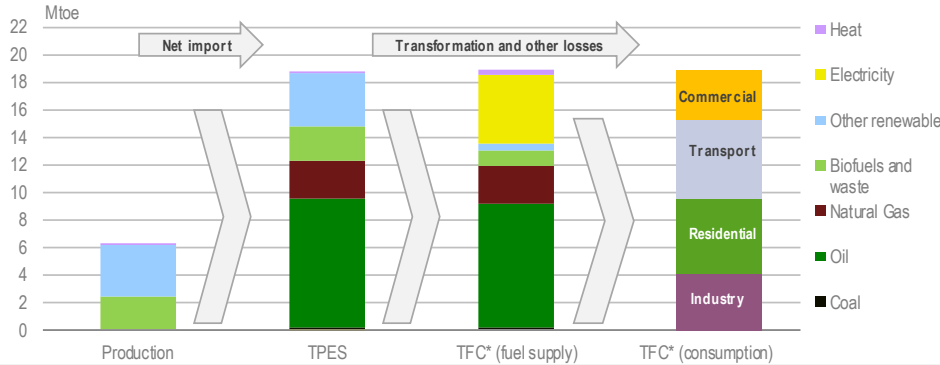
Switzerland

Country size	40 000 km ²	26th compared to IEA countries
Population (2015)	8.282 million	0.7% of IEA population
GDP (2015)	446.086 billion USD 2010 prices and PPPs	

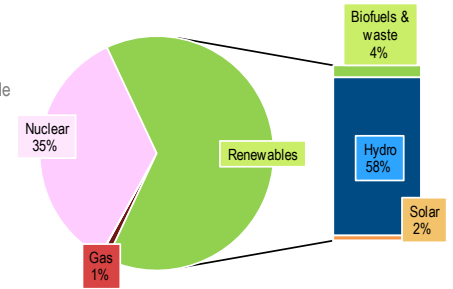
Energy system transformation

SUPPLY AND DEMAND 2015

TPES: 24.5 Mtoe, 26% renewables (IEA average 10%)



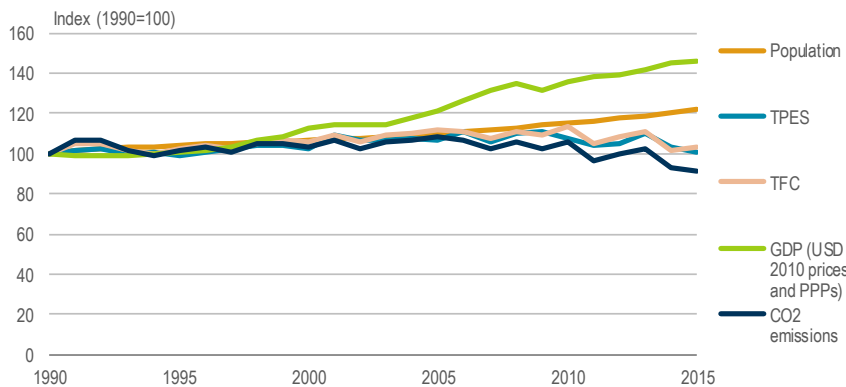
Electricity generation: 66.1 TWh
64% renewables (IEA average: 24%)



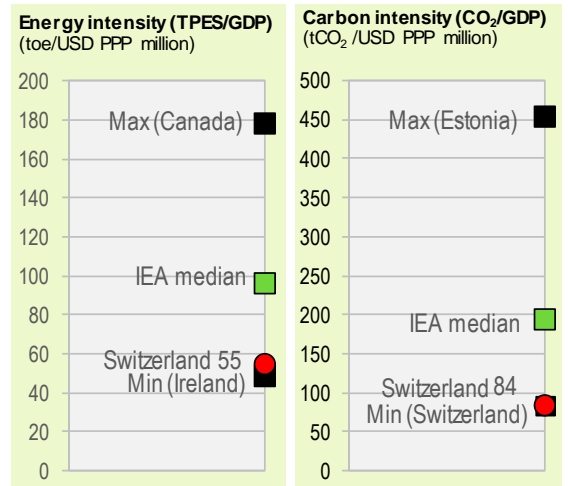
Fuel shares compared to IEA average

Fuel	TPES	IEA average	Ranking in IEA	Electricity	IEA average	Ranking in IEA
Coal	1%	18%	29	0%	30%	28
Oil	38%	36%	8	0%	2%	26
Gas	12%	26%	25	1%	25%	27
Hydro	13%	2%	3	58%	13%	3
Nuclear	25%	10%	3	35%	19%	5
Biofuels	10%	6%	8	4%	3%	17
Wind	0%	1%	27	0%	5%	28
Geothermal	1%	1%	4	0%	0%	9
Solar	1%	0%	10	2%	2%	13

KEY ENERGY INDICATOR DEVELOPMENT, 1990-2015



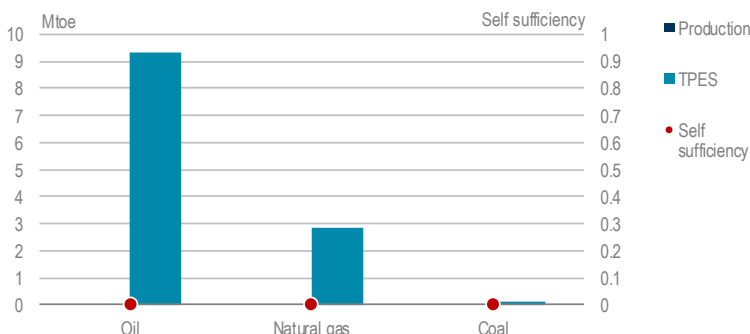
INTENSITY



	Switzerland	IEA average
TPES/Capita (Mtoe/Million)	2.96	4.44
Electricity consumption/Capita (MWh/capita)	7.50	8.71
CO2 emission/Capita (tCO ₂)	4.51	9.88

Energy security

PRODUCTION AND SELF SUFFICIENCY 2015



FUEL	NET IMPORTS*	IMPORT/EXPORT COUNTRY
Crude Oil	2.9 Mt (import dependency: 100%)	Nigeria (34.1%) Mexico (20.7%)
Oil Products	7.5 Mt	Germany (51.4%) France (12.3%)
Natural gas	3.5 bcm (import dependency: 100%)	Germany (68.4%) Netherlands (16.2%)
Coal	0.2 Mt (import dependency: 100%)	Germany (65.4%) South Africa (30.8%)
ELECTRICITY		
Imports	34 TWh	Germany (48.2%)
Exports	35.1 TWh	Italy (75.5%)

*negative numbers mean net exports

Source: IEA energy balances 2017