

Lower Silesia

Inhabitants: 2,884,248
Area: 19,946 km²

Energy & CO₂ figures

- Primary energy consumption: TWh
 - Resulting in 402,000 kt CO₂/y
 - or 10.3 CO₂ per capita
- (National Figures for Poland 2007/8)



Regional characteristics:

Average primary energy: 115-215 kWh/m² (new buildings, in Wroclaw)

Average heating demand:

Average age of buildings in Wroclaw: 54 years (46 years for Poland)

Percentage of old buildings: 30 % built before 1944

Cost for new building with dwellings under current building code: 720 €/m²

Cost for new building with dwellings and passive house standard: 900 €/m²

Degree days in the region:

EE buildings in your region:

[Passive house/apartment](#)

[Energy efficient house/apartment](#) (house: primary energy demand of 40 kWh/m²/a)

Implementation of EPBD:

Name of national directive: [Building Law](#) (effective 2009)

Other directives supporting EPBD: - national: Ministerial Ordinance: „On the form and scope of Energy certificates“

Funds and incentives to support EE in buildings:

National:

- next year:

nat. fund for environmental protection
(subsidies to builders of EE residential houses, buyers of EE apartments)

- already running for two years:

nat. fund for environmental protection
(subsidies given to house owners, housing associations and communities, cofinancing 45% of solar panel investment)

- Thermomodernisation Fund (up to 25%)

Main challenges in implementing EPBD:

EPBD requirements are seen as an obstacle to overcome – lack of reliable information campaigns aimed at citizens

EE solutions too expensive – no subsidies

No genuine sanctions for failure to provide certificates, also no filing system or verification

Unintelligible contents of a certificate

Innovations in EE buildings

Thermal insulation of older buildings + replacing windows and fitting modern heating installations