

District Heating in Poland



Chamber of Commerce
Polish District Heating

The potential of District Heating in Poland

Number of licensed
Heating companies

399

Installed heating power MW

55 210

Heating power ordered
by receivers MW

34 580

Length of heating networks km

21 370

Annual heat production TJ

376 000

Including CHP TJ

238 600

*Energy Regulatory Office –
Heat energy in numbers - 2018*



DHC – the interdisciplinary sphere

DHC is the tool to achieve many goals of the EU energy-climate policy

consumers/customers

raising awareness

necessity to start long-term educational programs and many incentives for rational behavior

energy safety

It is important from the point of view of heat and electricity

energy safety means:

new Building Permissions (CHP)

reduce sudden closure effects

flexibility of the energy system (CHP plus heat accumulators)

policy of energy carriers

a broader approach to the structure of fuel for energy security

proper use of national energy carriers means greater EU-wide fuel independence

energy efficiency

refers to the areas of production and distribution

improvement of efficiency refers not only to buildings but also enterprises

buildings

strive to reduce energy consumption in the construction industry

decarbonisation of buildings

environmental protection

analyzed from two points of view:

emission from industrial sources (we can refer to IED and MCP directives)

low emission (from individual furnaces)

Goals for DHC in Poland

❑ Directional goals

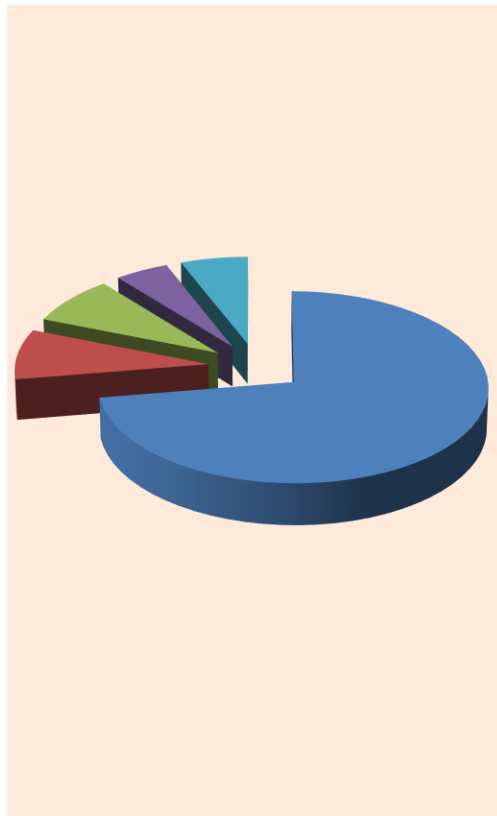
1. Ensuring thermal comfort for citizens
2. Improving air quality (eliminating low emissions) and reducing the impact on climate change
3. Improving energy security

❑ Strategic goals

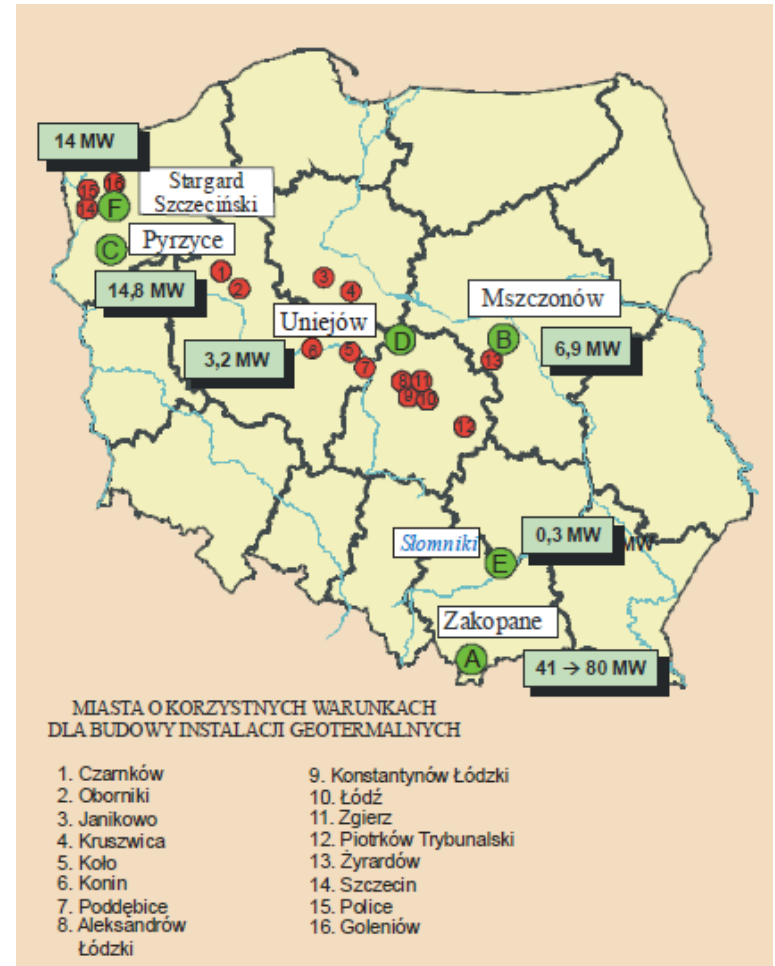
1. An increase in the share of heat from RES in heating by 1.1-1.3 pp y / y to 2030 (base year - 2020)
2. Increase in electricity production from high-efficiency cogeneration by 2030 by at least 50% compared to the level of production in 2017
3. Meeting the criterion of an energy-efficient heating system by 100% of heating or cooling systems in which the power ordered by customers exceeds 5 MW by 2030
4. Reaching the level of at least 70% of households connected to the heating network in municipalities, on a national scale, by 2030
5. Achieving the level of 100% of households whose heat needs are covered by district heat or by low-emission individual heat sources by 2040

Structure of energy carriers

sale in %



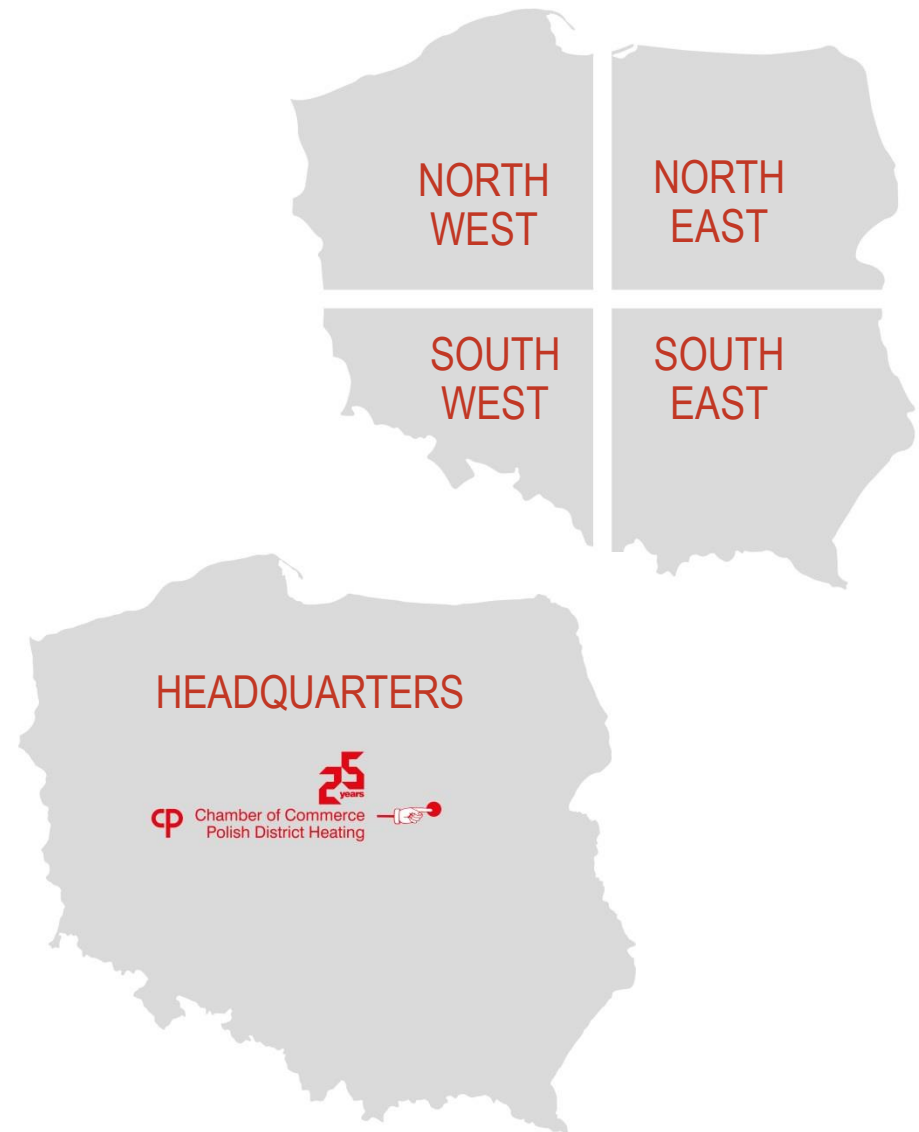
- coal 72,5
- gaseus fuels 8,6
- renewable 8,2
- 4. oil 4,8
- 5. other 6



IGCP as a representative of the sector

Chamber of Commerce Polish District Heating

- ❑ Is an organization founded in 1994 that brings together enterprises, whose activities are related to the production, processing, storage, transmission and distribution and marketing of heat. The Chamber operates in the country as well as abroad and is a member of Euroheat & Power. It unites 250 members of different ownership structure and diversified sales volume of heat from below than 100 thousand GJ to 40 million GJ per year.
- ❑ Basic activities of the Chamber are focused on the evaluations of projects and substantive amendments to existing legislations, enabling cooperation between the Chamber in determining the development programs and the modernization of district heating and caring for creating conditions conducive to the development of district heating. The Chamber insists on integrating the environment associated with heat, representing the economic interests of members to state authorities, local governments, social, scientific and economic institutions.
- ❑ As part of the activities, the Chamber initiates and participates in the restructuring processes of the entire sector. One of the objectives of the restructuring is to meet current and future emission standards, which allows effective reduction of high emissions as well as effective reduction of the so-called low emission.
- ❑ IGCP conducts a very wide educational and training activity (including the pioneering nationwide system heat promotion program)



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Thank you for your attention

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