

Miejska Energetyka Ciepła Piła Sp. z o.o.

Miejska Energetyka Ciepła Spółka Piła Sp. z o.o. focuses its licensed activity on the production, transmission and distribution of thermal energy and on the production of electricity. The company provides heat for the needs of central heating, ventilation and hot utility water. It also provides laboratory services for coal fines, slags and tap water as well as for the design of heating networks and nodes and also for their operation and maintenance. The company's activities are focused on meeting the needs and requirements of clients.

Veolia Energia Poznań (System Heating for Poznań)

Veolia Energia Poznań SA and Veolia Energia Poznań ZEC SA function as one heating system, reaching over 60 percent of residents of the capital of Wielkopolska region, as well as a number of other towns in the region. Apart from producing heat in hot water and electricity, which supplies the national energy system, the company also produces heat in the technological steam. The production process used by Veolia Energy Poznań ZEC SA is the production of heat and electricity in cogeneration. The Poznań heat and power plants have production facilities with a thermal power of 1212.5 MW and 283.5 MW of electric power.

The system offers energy services to its clients on the basis of long-term contracts. It is not only about managing, maintaining and operating the entrusted installations, but also about taking full responsibility for comfort, energy security and cost optimization. Veolia conducts business with full respect for standards, offering its customers environmentally friendly solutions preceded by in-depth analyses.

Veolia Energia Poznań S.A.:

- length of the network - **631.5 km**
- total installed thermal power - **1269 MW**
- sales: heat - **6955,5 TJ**

Veolia Energia Poznań ZEC S.A.:

- total installed thermal power - **1 095,4 MWt**
- total installed electric power - **283,5 MWe**

Sales of heat/steam/electricity

- heat - **7357,18 TJ**
- steam - **723,71 TJ**
- electricity - **570,15 GWh**

PGE Torun

PGE Torun is a part of PGE Group.

PGE Torun is dealing with production, distribution and trade of heat and electricity.

Generation:

At PGE Toruń S.A. heat and electricity have been generated since March 2017 in a gas-fired power plant. **The gas-fired power plant is equipped with a high-efficiency cogeneration installation with a total thermal power of 357.6 MWt and a power output of 106 MWe.** The gas-fired combined heat and power plant consists of:

- **2 gas turbines** for the production of heat at the basic load: 237,6 MWt thermal power and 106 MWe of electrical power
- **4 two-fuel top (gas / oil) boilers** - 30 MWth each for peak load (in winter) and additional reserve for cogeneration units (120 MWth).
- **Heat accumulator** - 12,000 m³ (maximum 600 MWh).
- **Gas pipeline** - of approx. 10 km, which connects the combined heat and power plant with the gas transmission network.

PGE Toruń S.A. is also the owner of 11 local-scale boiler rooms located in various districts. Three of them are oil-fired boilers, while the remaining 8 are gas-fired boilers. The total installed capacity in boiler rooms is 4.9 MWt.

Distribution:

PGE Toruń S.A. is the owner of heating networks. The total length of thermal networks forming the city heating system is 241.4 km. Of this 212.2 km are high parameter networks, including: 122.9 km of pre-insulated networks; 11.3 km overhead networks. The maximum diameter of the mains is Ø 900 mm.

1 943 heat distribution units are used in the heating system, including:

heat exchangers - 1 899 pcs.
direct - 43 items
hydroelevators - 1 item

Moreover, the heating system includes 473 heat chambers and a network water pumping station.

The share of heat generated from renewable energy sources in the total amount of heat delivered to the municipal heating network in 2015 amounted to 1.17%

KPEC Komunalne Przedsiębiorstwo Energetyki Ciepłej Sp. z o.o. in Bydgoszcz

KPEC Sp z o.o. is dealing with heat generation, transfer and distribution.

KPEC Spółka z o.o. has seven heat plants (Błonie, Białe Błota, Osowa Góra, Solec Kujawski, Szubin, Nakło nad Notecią, Koronowo) which in the agencies of the Company produce heat supplied to the Customers, and in Bydgoszcz they support the heating system and heating networks with a total length of 437.9 km.

The recipients of heat are both users of single- and multi-family housing, as well as industrial plants, business entities and public utilities.

The company has been the laureate of the FAIR PLAY Enterprise competition for eleven years and the winner of the Platinum Statuette. Every year the Chapter of the Program evaluates the activity of the Company in many areas, what is easier thanks to the fact that KPEC Spółka z o.o. is a modernly managed company that meets all the standards and requirements of EN ISO 9001-2008. In April 2014 at the City Council Ceremony, KPEC Spółka z o.o. was honoured with the Medal of Casimir the Great for special merits for the City of Bydgoszcz.

KPEC is a limited liability company established in 1991. The shareholders of the Company are the following municipalities: City of Bydgoszcz, Solec Kujawski, Szubin, Nakło nad Notecią, Koronowo, and the share capital of the Company is PLN 45 900 000.