

## CAPITAL GROUP KOGENERACJA S.A.

KOGENERACJA S.A. is the leader of a group comprising the following companies:

As at 31 December 2016

### KOGENERACJA S.A

Subsidiaries

**EC Zielona Góra S.A. 98,40%**

Other related entities

**EDF Paliwa Sp. z o.o**

**EDF Polska S.A.**

EDF Polska S.A. and EDF Paliwa Sp. z o.o. are listed as related entities as they are parties to significant transactions with KOGENERACJA S.A.

## KOGENERACJA S.A.

Zespół Elektrociepłowni Wrocławskich KOGENERACJA S.A., a complex of Wrocław-based heat and power plants, is an energy company engaged in the generation of heat and electrical power and the transmission and distribution of heat. Combined heat and power generation is a process that ensures high-efficiency power generation on an annual average basis, which translates into the most efficient use of chemical energy of primary fuels in the CHP sector.

The energy efficiency of combined heat and power generation allows savings of the primary energy contained in the fuel.

Cogeneration production provides primary energy savings of at least 10% when compared with the separate production of electricity in a thermal power station and of heat in a heat-only boiler station. Such an energy efficiency requirement is laid down in the Cogeneration Directive of the European Union, which provides preferential treatment for energy-generating installations that are particularly environmentally friendly.

Company locations:

- Wrocław Heat and Power Plant in Wrocław at 24 Łowiecka Street,
- Czechnica Heat and Power Plant in Siechnice near Wrocław,
- Zawidawie Heat and Power Plant in the Psie Pole district of Wrocław (eastern part of the city).

The Company's heat and power plants have a total power generation capacity of 365.7 MW and a total heat generation capacity of 1,080.4 MWt.

The heat and power plants serve as the central source of heat for Wrocław, meeting the city's needs for heating, hot water and process heat, and constitute electricity sources for the national power system.

## **EC ZIELONA GÓRA S.A.**

EC Zielona Góra S.A. is an energy company engaged in power generation as well as heat generation and distribution.

Until the end of July 2004, heat and power were produced by cogeneration using coal as an input fuel. Following the commissioning of a combined cycle gas turbine (CCGT) in August 2004, the proportion of electricity and heat produced has been reversed and electricity is now mainly produced by partial cogeneration in the CCGT using fuel gas (gas from local sources). The installed power generation capacity is 198 MW (combined cycle gas turbine). The installed heat generation capacity is 303.594 MWt, including: 135.00 MWt (CCGT), 167.00 MW (gas and oil boiler plant), 1,594 MWt (local gas boiler houses).

The Company is the main source of heat and heated water for the city of Zielona Góra. Since 1 April 2009, it has also been a distributor of heat.