## ENERGY FROM RENEWABLE SOURCES – OUTPUT AND SHARE IN TOTAL CONSUMPTION

The Westpomeranian Region (WR) is the leader in renewable energy in Poland. In 2017 WR generated 4,459.6 GWh of energy from RES, which accounted for 18.6% of the national RES output. The energy generated from RES accounts for 78.8% of electrical energy used in the Region, while the national average is 14.8%.

The share of energy generated from RES in total consumption in the WR as compared to other regions in 2017. Source: RBGPWZ, based on GUS data.

55.1 %

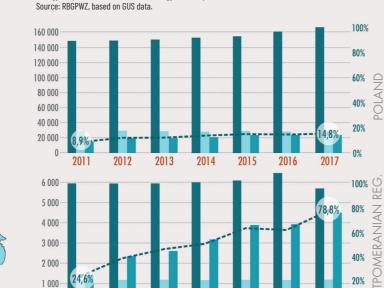
78.8 %

Share of energy 0 - 10%

consumption > 60 %

from RES 10-30 %

in energy 30 - 60 %



Energy output from RES and total energy consumption in 2011-2017.

2012

total energy consumption [GWh]

-- Share of energy output from RES

2011

2013

energy consumption

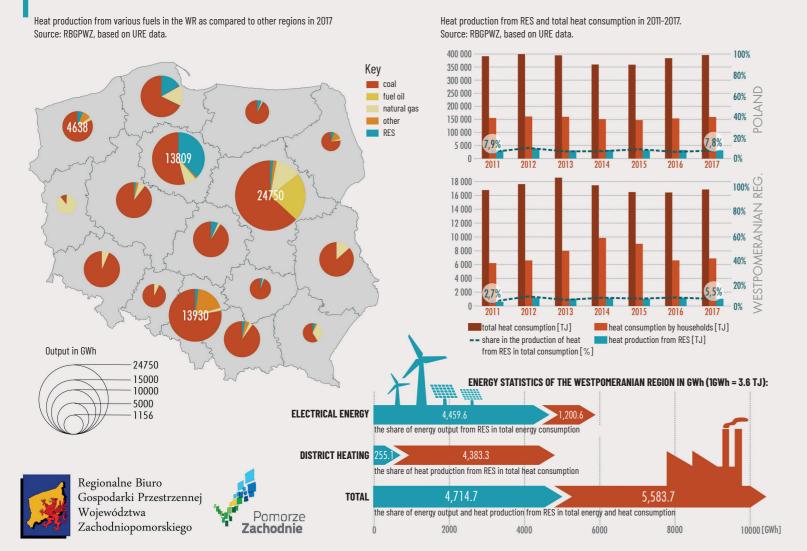
by households [GWh]

energy output from RES [GWh]

## DISTRICT HEATING FROM RES - OUTPUT AND SHARE IN TOTAL CONSUMPTION

37.0 %

In 2017, in the WR, licensed heating companies generated 918.3 TJ (255.1 GWh) of heat energy from RES, which accounted for 3.0% of national output from RES, giving the region 6th place in Poland. The major fuel used in the Region for generating district heating is hard coal (about 82%), while RES account for 5.5% (93% of which comes from biomass). Clearly, such a low share of RES in district heating results from the relatively high costs of heat generated from these sources. The above statistics do not take into account heat generated for own purposes by industrial power plants and households.



## THE ENERGY MIX OF THE WESTPOMERANIAN REGION FOR RENEWABLE ENERGY USE IN ELECTRICAL POWER AND HEAT SOURCES

2018

These charts contain data on the spatial distribution within the Westpomeranian Region (WR) of plants using renewable energy sources, their capacities and energy and heat outputs, as well as present the development of renewable energy in the Region as compared to other regions and the whole of Poland and the status of renewable energy in each of the Region's counties.

\* The data presented below illustrate the installed capacity and output of energy from RES in the WR, excluding the pumped storage power plant in Żydowo, which was erroneously included as a power plant using RES in the data published by URE in March 2018.

## **ENERGY FROM RES - INSTALLED CAPACITY:**

There are 208 power plants producing energy from RES in the WR, with the total installed capacity of 1,623.7 MW, which is about 20% of Poland's installed capacity. This makes the Region the leader in Poland, before the Kujawsko-Pomorskie, Wielkopolskie and Pomorskie regions. The field is dominated by wind energy, which has an installed capacity of 1,489.6 MW.

