

DHS Zhytomyr

(Municipal enterprise «Zhytomyrteplokomunenergo» of Zhytomyr city council)

Location: Zhytomyr, Ukraine

Ownership: municipal

Grid: 207 km (owned by the municipality)

Customers: 1,952 buildings

Production: 563,299 MWh (2017)

Boiler output: 789 MW (204 boilers)

Type of DHS: hot water

Current fuel: natural gas

Potential renewables nearby: biomass



Source: DHS Zhytomyr web-site, tke.org.ua

Investment plans (2020-2025):
Biomass CHP unit with ORC
technology, complex modernization
of network subsection, installation of
new natural gas boilers, replacement
of pipelines, and installation of
individual heating units.

Complex modernization and switching to biomass



Primary investment drivers:

- Internal development plans
- network and equipment conditions
- available financing sources



- Sustainable Energy Action Plan of Zhytomyr city for 2015-2024
- National energy efficiency, renewable energy and climate policy





Stakeholder involvement:

- Leading: Zhytomyr city council
- Other: international financial organizations, customers, contractors

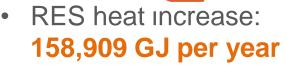
Required resources:

Financial investment:

9.8 million EUR

Other: equipment and materials, energy resources, incl. biomass





- Primary energy savings:
 101,322 GJ per year
- Emissions:
 ↓17,472 tonnes CO_{2e}
 per year or 13%
- Internal rate of return:
 7-32% depending on intervention and assumed natural gas prices

Want to <u>support our</u> <u>modernization projects</u>?

Contact us using the information below!

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