

(Municipal enterprise Pivdenno-zahidni teplomerezhi)

- Location: **Khmelnytskyi, Ukraine**
- Ownership: **municipal**
- Grid: **138 km** (owned by the municipality)
- Customers: **about 20,000**
- Connected load: **96.75 MW**
- Boiler output: **293.8 MW** (43 boilers)
- Type of DHS: **hot water**
- Current fuel: **natural gas**
- Potential renewables nearby: **biomass**



Source: DHS Khmelnytskyi web-site, pivzahteplo.com

**Investment plans (2020-2025):**  
**Construction of 5 MW biomass boiler,**  
**modernization of boiler houses with**  
**new burners installation,**  
replacement of pipelines and  
installation of individual heating units.

For more information:

<http://www.keepwarmeurope.eu/country-pages/ukraine/>

# Increasing biomass share and efficiency



## Primary investment drivers:

- network and equipment conditions
- available financing sources

## Strategic background documents:

- Sustainable Energy Action Plan of Khmelnytskyi city for 2016-2025
- National energy efficiency, renewable energy and climate policy



## Stakeholder involvement:

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

## Required resources:

Financial investment:

**4.6 million EUR**

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



## Results:

- RES heat increase: **44,823 GJ per year**
- Primary energy savings: **24,188 GJ per year**
- Emissions: **↓4,557 tonnes CO<sub>2e</sub> per year or 10%**
- Internal rate of return: **3-43%** depending on intervention and assumed natural gas prices

**Want to support our modernization projects?**

**Contact us using the information below!**

- Mr. Pavlo Vozborskyi, Director
- p.z.teplomerega@gmail.com