

- Location: **Bajina Bašta, Serbia**
- Operating since: **1973**
- Ownership: **Municipality of B. Bašta**
- Grid: **2900 m** (owned by municipality)
- Customers: **1200**
- Connected load: **10800 kW**
- Boiler output: **12300 kW** (6 boilers)
- Type of DHS: **warm-water, hot-water**
- Current fuel: **Oil, coal**
- Potential renewables nearby:
wood chips



Source: http://www.bioenergy-serbia.rs/images/documents/studies/BSCstudy_final.pdf

Investment plans:

Build - up a new biomass plant (wood chips) of 2 x 3 MW, replacing the substations and replacing the part of the main hot water pipes net., planned in the next 2 years.

For more information:

- www.keepwarmeurope.eu/country-pages/serbia
- <http://www.bbterm.rs/#>

Total replacement of fossil fuels (mazut&coal) by 2x3.0 MW boilers on wood chips , integration of presently segmented grid into one unified system, enabling increase in heat consumption



Results:

- RES-share increase: **0%** ⇒ **100%**
- RES/fossil heat production ratio: **1/0**
- Reduction of losses: **overall efficiency remains the same**
- Primary energy factors: **remains the same**
- Emission reductions: **↓4835 tCO₂**
- Return on investment (ROI): **81%** (for period of 25 years)
- Annualized ROI: **2,40%**

Want to adapt our work to your DHS?

Want to invest in our progressive DHS?

Contact us using the information below!

- Velimir Radovanović, executive director of the heating plant
- jp.bbterm@gmail.com

Primary work-steps and investment drivers:

- planning and selection of location finished 03/2020
- contract with investors 2020
- public procurement and selection of bidder in progress
- tech.documentation elaboration & permits obtaining 09/2020
- boiler&boiler house construction, grid segments connection
- operation of plant 05/2022

Strategic background documents:

- Energy Sector Development Strategy of the Republic of Serbia for the period by 2025 with projections by 2030
- The National Sustainable Development Strategy

Stakeholder involvement:

- Leading: **Municipality of Bajina Bašta, PIMO**
- Other: **Planning and construction companies**

Required resources:

Financial investment: **2130000 €**

Additional staff: **operators, maintenance wood chips manipulation personnel,...**

Other: **fuel, maintenance, electricity...**



447.200€