

DHS Priboj

(JP "Toplana Priboj")



- Location: **Priboj, Serbia**
- Operating since: **2012**
- Ownership: **Municipality of Priboj**
- Grid: **4750 m** (not owned by DHS)
- Customers: **1390** households, **100** office buildings & school
- Connected load: **16338 kW**
- Boiler output: **51000 kW** (2 boilers)
- Type of DHS: **hot-water**
- Current fuel: **Oil**
- Potential renewables nearby:
wood chips



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

Investment plans:

Construction of a brand new biomass heating plant of 8MW on wood chips, planned in the next 2 years/test work of the plant is scheduled for April 2022

For more information:

- www.keepwarmeurope.eu/country-pages/serbia
- toplana.priboj@gmail.com

Total replacement of fossil fuels (mazut) by introducing 8.0 MW boiler on wood chips , extended operation including night shift, integration of presently segmented grid into one unified system, enabling increase in heat consumption



Primary work-steps and investment drivers:

- planning and selection of lacion finished 02/2020
- contract with investors 03/2020
- 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
- Priboj has signed the "Covenant of Mayors"



Stakeholder involvement:

- Leading: Priboj municipality and DHS operators, KfW, PIMO, Regulatory and energy agencies
- Other: Wood chips producers (Srbijašume, Jela Star)



Required resources:

Financial investment:
3830000 EUR

Additional staff: **operaters, maintenance & wood chips manipulation personnel,...**

Other: **fuel, maintenance, eletricity... 968.570€**



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: **↓7305 tCO₂ (-100%)**
- Return on investment (ROI): **50%** (for period of 25 years)
- Annualized ROI: **1,64%**

Want to adapt our work to your DHS?
Want to invest in our progressive DHS?
Contact us using the information below!

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