

DHS Bene



(Heat supply grid in Bene parish, «Auces komunalie pakalpojumi», Ltd.)

- Location: **Bene parish, Auce county, Latvia**
- Operating since: **1994**
- Ownership: **municipality**
- Grid: **900 m (owned by the DHS)**
- Customers: **299**
- Connected load: **2310 kW (12 connections)**
- Type of DHS: **Heat energy is purchased according to meter from biological gas station and delivered to customers**
- Current fuel: **biogas**
- Potential renewables nearby: **woodchips / solar thermal energy**



Source: «Auces komunalie pakalpojumi», Ltd.

Investment plans: to build own **new boiler house** (wood-chip), possible by the end of 2021.

For more information:

- <http://www.keepwarmeurope.eu/country-pages/latvia/english/>
- www.auceskp.lv/komunalie-pakalpojumi/siltumapgades-saimnieciba

Construction of new and automated boiler



Primary work-steps and investment drivers:

- Installation of new pellet boiler with an automated pellets delivery system (0,8-1MW);
- Availability of EU Funds and low cost loans.

Strategic background documents:

- National energy and climate plan of Latvia for period 2021-2030;
- Energy Law;
- Energy Action plan of Auce county, 2018-2025;
- Medium-term operational strategy plan of «Auces komunalie pakalpojumi», Ltd. 2019-2021.



Stakeholder involvement:

- Leading: **DHS owner (municipality), state financial authorities, banks, technologies` suppliers;**
- Other: **customers, government, fuel suppliers, state regulatory office.**



Required resources:

Financial investment: **165 000 EUR**

New equipment: **new pellet boiler with an automated pellets delivery system;**

Additional staff: **external professionals for installation of new equipment.**



Results:

- RES-share : **before 100% ⇒ after 100%**
- RES/fossil heat production ratio: **100% RES**
- Reduction of losses: **remain the same 9%**
- Planned energy input: **1760 MWh per year**
- CO2 emissions: **0 t/year**
- Internal Rate of Return(IRR): **44%**
- Discounted repayment period: **2,5 years**

Want to adapt our work to your DHS?

Want to invest in our progressive DHS?

Contact us using the information below!

- zrea@zrea.lv /www.zrea.lv
- <https://www.auceskp.lv/>