



Woodboiler in the city of Mollau - Municipality of Mollau (68 - Haut-Rhin) - France

Implementation and operation of a communal heating system powered by an automatic energy wood boiler in the municipality of Mollau, Haut-Rhin

Target Groups	Sector	Field
- Local authority	- Energy supply - Buildings (including municipal properties)	- RES - CHP - Equipment / appliances

ANALYSIS

The municipality of Mollau is faced with the problem of unexploited pastureland and difficulties in maintaining its 450 hectares of woodland, which produce around 700 steres of wood per year. Applications for the wood (brushwood, crowns, firewood/kindling with no commercial value) are difficult to find.

To improve the upkeep of its forest and rehabilitate its rural resources, the municipality has decided to use its considerable wood resources to satisfy its energy needs. Automatic burning of chipped wood provides Mollau with a communal solution to the upkeep of its rural territories, and allows it to harness its forestry resources for energy-producing purposes and promote local development.

The communal wood-burning plant operates according to four parameters:

- Compliance with the local landscaping plan;
- Upkeep of the forest with a profitable outlet for the resources it provides;
- Creating local activity;
- Provide heat distribution for community buildings and residences.

The automatic boiler is powered by wood chippings providing an output of 200 kW, and is coupled to a 100 kW fuel-oil boiler to provide a total power rating of 500 kW. Fumes from the boiler pass through a cyclone filter dust extraction process before their evacuation.

The fuel storage facility provides autonomy ranging from seven days to several weeks, depending on power on demand and external temperature.

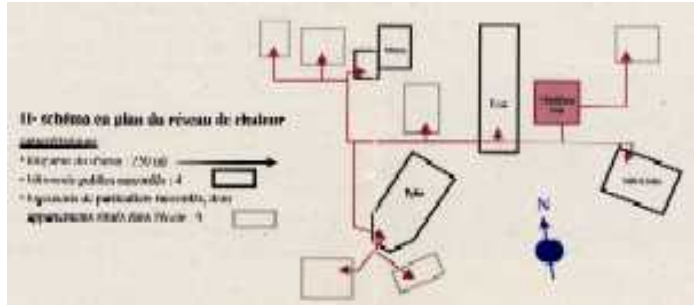
The plant is managed by an administration committee that is also responsible for:

- Managing the facility;
- Ensuring wood supplies;
- Selling heat to private consumers and the municipality.

The length of the heat system is 250 ml. It provides heating to the local town hall, church, community centre, school, activity centre and nine residential dwellings.



TRACTOR, MOBILE MOTORIZED CHIPPER AND TWO TIPPER-TRAILERS



CENTRAL HEATING POWER - NETWORK

COST AND BENEFITS

- Price inclusive of all taxes per kWh: 0.5 €
- Creation of one new municipal position on the administration committee.

PARTNERSHIP

The municipality of Mollau has formalized a local development agreement with the Ballons des Vosges Regional Natural Park to receive assistance from the park for the implementation of the project.

FUNDING

The project has received funding from the following partners:

- The European Union;
- Alsace region;
- Ballons des Vosges Regional Natural Park (Parc Naturel des Ballons des Vosges);
- Haut-Rhin department;
- ADEME Alsace.

RECOMMENDATIONS

TO KNOW MORE

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Published : 9/8/2002

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