



15/17 route de la bonde
91300 Massy

www.rezomee.fr/reseau-chaueur-massy-antony/enoris

Enoris, one of the largest virtuous networks in France

Enoris, a subsidiary of Engie Solutions, supports the Massy-Antony region in its energy transition by deploying a district heating network to provide hot water and heating to over 26,000 residential units.



THE NETWORK



+ 35 KM

of network in Massy and Anthony



220 GWh

Annual delivery



+ de 250

Delivery stations (substations)



4 SOURCES OF PRODUCTION

Energy recovery unit (ERU)
End-of-life wood
Coal
Gas

ENVIRONNEMENT IN 2022



46 500

avoided tons of CO₂ emissions

Equivalent to the reject issued by

24 300

cars per years

Provides heat to

26 000

Equivalent residential unit

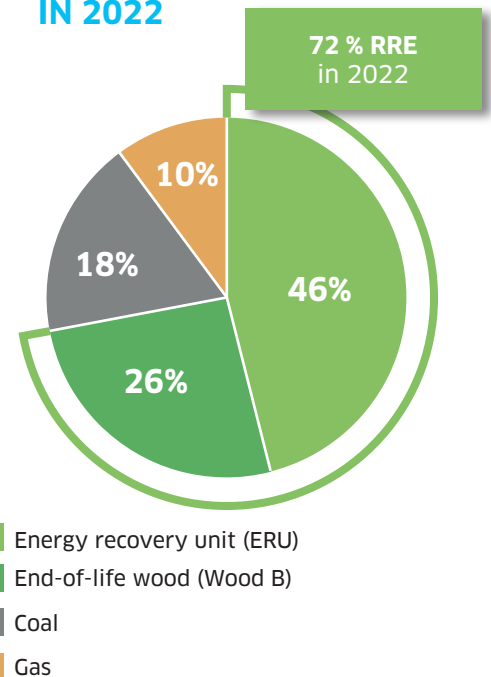


ENORIS

At the heat production site of «La Bonde», the waste valorization is the primary source of heat supplying the Massy-Antony network.

It's in a 2000 m³ pit into which waste from the city as well as from 8 surrounding municipalities (Antony, Wissous, Châtenay-Malabry, Bourg-la-Reine, Chilly-Mazarin, Verrières-le-Buisson, Le Plessis-Robinson, and Sceaux) is unloaded and incinerated.

ENERGY MIX IN 2022



IN NUMBERS

+ The share of renewable and recovery energy (RRE) is 72% in 2022. 46% comes from the Energy Recovery Unit (ERU) and 26% from end-of-life Wood (Wood B).

+ In 2014, SIMACUR (Mixed Union for District Heating and Household Waste Treatment) entrusted Énoris the responsibility for the production and distribution of heat up to the bottom of buildings under a 20 years public service concession.

+ About 40 people, a 7-day/24-hour service to ensure the operation of Enoris's district heating network.

+ Thanks to the ERU, 87 tons of household waste were incinerated per year and 130 000 MWh are valued in the district heating network.

+ The main subscribers to the network are collective housing (private and social), municipal buildings, schools, the opera, and the Jacques Cartier hospital.

+ The Enoris site has two sites for the production and distribution of heat.

«La Bonde» site consists of a household waste recovery unit with 2 boilers, each with a unit power of 11 MW. It also includes a wood-coal boiler room consisting of 2 boilers, each with a capacity of 32 MW, and 2 domestic fuel oil boilers, each with a capacity of 22 MW (for backup purposes only).

The Victor Basch boiler room operates as a backup for the boilers at «La Bonde» site. This site made up of 2 gas boilers, each with a capacity of 22 MW.

+ The main waste sources of 'Wood B' are generated from construction sites and other scraps such as recyclable wooden used objects, pallets, panels, boards, etc.