

2. WASTE TO ENERGY PLANT FOR HEAT PRODUCTION IN PIACENZA

CATEGORY

Energy efficiency (Cogeneration Facilities)

LOCATION



DESCRIPTION

The project involves the construction of a cogeneration section at the existing solid waste-to-energy plant located in Piacenza.

The current state consists of two combustion lines (input 22.7 MW each) that feed a steam cycle with a 11.6 MW condensing type turbine.

In order to strengthen the urban district heating in the city of Piacenza, the city network is expected to be extended and connected to the existing waste-to-energy plant with its consequent modification in order to recover the thermal energy necessary for heat distribution.

AMOUNT

Full project amount at 31-12-2017 (€ millions)	Financeable amount (€ millions)	Financed amount (€ millions)
1.2	1.2	-



ENVIRONMENTAL PERFORMANCE INDICATORS

KPI	Unit of measure	2015	2016	2017	2018	2019	2020	2021	2022
PES Primary Energy Saving per operating year	%								
Renewable energy share in percent on total	%					25	25	25	25
Thermal energy recovered from waste to Piacenza DH network per operating year	GWh			22.9	29.6	35	15	15	15