

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 (€ millions)	Financed amount (€ millions)
14.5	8.9 (GB3) - (GB1)



ENVIRONMENTAL PERFORMANCE INDICATORS

KPI	Unit of measure	2006/ 2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
PES Primary Energy Saving per operating year	%															25	25
Renewable energy share in percent on total	%															15	15
Thermal energy recovered from waste to Piacenza DH network per operating year	GWh											23	30	27	31	55	55