

PARMA DISTRICT HEATING NETWORK

CATEGORY

Renewable energy (Energy network development)

LOCATION



DESCRIPTION

The project consisted of the connection of new users in the city of Parma following the connection of the city network with the waste-to-energy plant (PAI) in operation since December 2013, as envisaged in the authorization documents of the PAI.

The connection with the PAI plant has allowed the increase of production efficiency thanks to the use of cogenerated heat in place of that of the boilers.

The project continues from the year 2017 with the laying of the pipes of the heat distribution network and the construction of heat exchange stations at the utilities to increase the volume connected to the service of district heating.

AMOUNT

Full project amount (€ millions)	Financed amount (€ millions)
28.5	2,5 (GB4) 26.0 (GB1)



ENVIRONMENTAL PERFORMANCE INDICATORS

KPI	Unit of measure	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Primary energy saving per operating year	MWh	12,813	5,733	81,696	114,868	144,524	143,372	141,785	149,810	137,588	148,252	148,252
Avoided CO ₂ emissions from fossil sources per operating year	t	4,326	1,551	16,856	23,614	29,523	29,165	28,934	30,099	28,680	30,673	30,673
Distributed thermal energy per operating year	MWh	176,797	176,815	159,146	188,688	196,691	194,389	190,364	187,274	183,355	204,355	204,355