DISTRICT HEATING NETWORKS DEVELOPMENT IN TURIN

CATEGORY

Renewable energy (Energy network development)

LOCATION

DESCRIPTION

The project consists in laying the pipes of the heat distribution network and creating heat exchange stations for users to increase the volume connected to the district heating service. The development of the project, in the period 2014 - 2021 concerns the following areas:

- saturation network in Turin by connecting new users to the areas already served (South, Center, North-West of the city), to reach a total of 64 Mm^3 served;
- construction of a network branch of approximately 3 km that will allow the extension of district heating
- network development in San Salvario area with the construction of about 20 km of network, an accumulation system of 2,500 m^3 and the installation of 325 exchange stations thermal, in order to serve about 2.3 Mm^3 of new.

AMOUNT

Full project amount *(€ millions)*	Financed amount *(€ millions)*
135.0	91.0

ENVIRONMENTAL PERFORMANCE INDICATORS

KPI	Unit of measure	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Primary energy saving per operating year	GWh	2,794,000	2,889,000	2,270,000	2,733,000	2,997,000	3,400,000	2,998,000	2,546,000	1,900,427	3,479,000
Avoided CO_2 emissions from fossil sources per operating year	t	1,007,686	1,092,546	795,595	933,086	1,026,775	1,046,376	876,667	873,083	670,711	1,191,843
Distributed thermal energy per operating year	GWh	2,192,000	2,312,000	1,990,000	2,109,000	2,205,000	2,307,366	2,168,838	2,132,541	2,238,464	2,559,000