

BIOWASTE RECOVERY TO PRODUCE COMPOST AND BIOMETHANE – SANTIÀ (TO)

CATEGORY

Waste management efficiency and recycling (Waste collection and sorting upgrades)

LOCATION



DESCRIPTION

In the month of July 2019, Iren Ambiente acquired the whole property of the company TERRITORIO E RISORSE, owner of an existing plant. The total cost of the acquisition is around 6.5 million Euros.

The plant actually is authorized to treat 36,000 t/y of bio-waste municipal waste (26,000 t/y Bio-waste and 10,000 t/y Green waste) which are turned into compost.

In 2019, the local authority approved to increase the total amount of waste treated to 60,000 t/y of which 50,000 t / a (consisting of: 40,000 t / a of organic waste and 10,00 t / a of vegetable waste and ashes) and 10,000 t / a of organic waste storage.

In meantime the production of Biomethane.

The aim of the project is the construction of a bio-waste treatment plant exploiting the biowaste and green waste collected in the Piemonte region, in particular in the provinces of Vercelli, Novara, Verbano Cusio Ossola and Alessandria, and for remaining part the bio-waste available on the market.

The proposed plant falls into the category of projects identified in Annex IV, Part Two of Legislative Decree 152/2006.

The Biomethane is produced in accord to the incentivisation law of the biofuel and biomethane, D.M. 2.3.2018.

AMOUNT

Full project amount (€ millions)	Financed amount (€ millions)
16.5	6.9



ENVIRONMENTAL PERFORMANCE INDICATORS

KPI	Unit of measure	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Production of compost (% on organic fraction in input)	%									13%	15%	15%
Production of biomethane	SMm3										3	3
Avoided CO2 emissions from fossil sources per operating year	t										5,127	5,127
Primary energy saving per operating year	Tep										2,173	2,173