



AXIS	CATEGORY	EU TAXONOMY ALIGNMENT FOR THE YEAR 2024
Circular Economy	Anaerobic Digestion of Bio-waste and/or Sewage Sludge	The project is linked to the taxonomic activity 5.7 (CCM), totally aligned in 2024
Short Description		
Facilities and services related to composting of bio-waste		

10. Production of renewable energy through composting plants



Acea Ambiente and Orvieto Ambiente own an integrated system of waste management and, respectively two plants, in Lazio and in Tuscany, and one in Umbria, aimed at creating compost, where it is also possible to gather electric and thermal energy in the anaerobic digestion sections, thanks to specific realised and undergoing investments. The organic matrix coming into the anaerobic digestion section in fact gets biologically degraded and thus produces biogas, caught to produce 100% renewable energy for the market.

PROJECT STATUS: ongoing

LOCATION: Latium, Umbria and Tuscany, Italy

Green Bond Allocation

ALLOCATION			
TOTAL FINANCED AMOUNT (€ MILLION)	2022	2023	2024
12.51	5.34	3.27	3.90

Environmental performance indicators

KPI	UoM	2020	2021	2022	2023	2024
Biogas based electric energy produced and served in the network	MWh	18,715	15,962	17,587	21,024	21,880
Installed power	MW	6.96	6.96	6.96	6.96	6.96
Gross electric energy produced/waste sent to treatment to the Aprilia, Monterotondo Marittimo, Orvieto plants	MWh/t	0.1216	0.1256	0.1363	0.1482	0.1425
Avoided emissions to produce electric energy*	tCO ₂	6,737	5,746	6,331	7,569	7,877

* Calculations refer to the Terna 2019 national mix conversion factor, when the project started.