

21. COGENERATION TURBOEXPANSION PLANT “CELSIUS”

CATEGORY

Energy efficiency (Cogeneration Facilities)

LOCATION



DESCRIPTION

Cogeneration turboexpansion plant for the exploitation of the pressure drop between the national and city gas distribution networks in the methane arrival cabin of Genoa Gavette. Combined electricity production (1 MW installed power) and heat. The plant, already tested, will be in continuous operation starting from autumn 2017.



AMOUNT

Full project amount at 31.12.2017 (€ millions)	Financeable amount (€ millions)	Financed amount (€ millions)
2.9	2.9	1.4

ENVIRONMENTAL PERFORMANCE INDICATORS

KPI	Unit of measure	2017	2018	2019	2020	2021	2022
Net produced electricity from renewable non-fossil sources per operating year	kWh	45,000.00	75,000.00	5,100,000	5,100,000	5,100,000	5,100,000
Avoided CO ₂ emissions from fossil sources per operating year	t	12.36	21.80	1,200	1,200	1,200	1,200