

6. SAN MAURO/DIGA DEL PASCOLO MINI HYDRO PLANT

CATEGORY

Renewable energy (Mini Hydro Power)

LOCATION



DESCRIPTION

The project entails building a run-of-the-river mini hydro plant at the barrier across the Po river in the municipality of Turin, which would use the discharge of the minimum vital flow (MVF) on the existing drop between the upstream reservoir and the level of the Po river downstream of the Pascolo barrier.

Plant features:

- Maximum derived capacity: 21 m³/s
- Gross drop: approx. 5 m
- Maximum power: approx. 1 MW
- Machinery: to be defined

Planned days in operation: to be defined

Expected annual productivity: to be defined

AMOUNT

Full project amount (2008-2019) (€ millions)	Financeable amount (€ millions)	Financed amount (€ millions)
3.0	3.0	2008-2018: - mln 2019: - mln
		Total - mln



ENVIRONMENTAL PERFORMANCE INDICATORS

KPI	Unit of measure	2019	2020	2021	2022
Primary energy saving per operating year	MWh			6,700	6,700
Avoided CO ₂ emissions from fossil sources per operating year	t			3,430	3,430