

8. VALLE ORCO HYDROELECTRIC PLANTS

CATEGORY

Renewable energy (Mini Hydro Power)

LOCATION



DESCRIPTION

The Valle Orco hydroelectric system is made up of seven plants for producing electrical energy, subdivided into the following hydraulic shafts. Between 2006 and 2011, repowering activities were carried out on the Villa Plant, the Bardonetto Plant, the Rosone Plant and the Telessio Plant.

The main technical features of these plants are specified below:

- Agnel-Serrù-Villa Plant
- Ceresole-Rosone Plant
- Telessio-Eugio-Rosone Plant
- Valsoera-Telessio Plant
- S.Lorenzo-Rosone Plant
- Rosone-Bardonetto Plant
- Bardonetto-Pont Plant

AMOUNT

Full project amount (2008-2019) (€ millions)	Financeable amount (€ millions)	Financed amount (€ millions)
104.0	104.0	2008-2018: 102.0 mln 2019: - mln
		Totale 102.0 mln



ENVIRONMENTAL PERFORMANCE INDICATORS

KPI	UM	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Electrical energy produced from renewable non-fossil sources per operating year	MWhe	659,800	835,100	657,100	744,894	607,942	647,139	785,192	633,055	633,055	633,055	633,055
Avoided CO ₂ emissions from fossil sources per operating year	t	212,358	318,999	196,644	506,814	457,165	397,432	375,498	376,466	376,466	376,466	376,466