

22. HYDROELECTRIC INVESTMENTS

CATEGORY

Renewable energy (Mini Hydro Power)

LOCATION



DESCRIPTION

The project includes interventions on different plants:

1. Mignanego: replacement of turbine and generator with new production group and increase of installed power of about 450 kW;
2. Busalla: new production group for the exploitation of the flows coming from the Busallegto lake;
3. Isoverde: replacement of turbogenerators and power boards in MV and automation of MV / MV and MV / LV transformers;
4. Lavezze: replacement of turbogenerators and power boards, installation of new MV / LV transformation;
5. Campomorone: new 400 kW hydroelectric production unit for the exploitation of waterworks leaps;
6. Lavagnina: replacement of hydroelectric production groups and installation of a third group with an increase in installed power from 3 MVA to 3.2 MVA;
7. Central Campi: installation of a 80 kW hydroelectric production unit on waterworks between distribution networks;
8. Baking tray: replacement of the two turbine groups and generators and panel replacement of automation and remote control.



AMOUNT

Full project amount at 31.12.2017 (€ millions)	Financeable amount (€ millions)	Financed amount (€ millions)
9.2	9.2	9.2

ENVIRONMENTAL PERFORMANCE INDICATORS

KPI	Unit of measure	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Net produced electricity from renewable non-fossil sources per operating year	MWh	23,238	23,238	23,238	24,699	25,916	32,653	40,118	44,541	30,996	30,504	24,898	32,164
Avoided CO ₂ emissions from fossil sources per operating year	t	11,930	11,930	11,930	12,680	13,305	16,763	20,596	22,866	15,912	15,660	12,245	15,381