

16. ELECTRICITY DISTRIBUTION INVESTMENTS

CATEGORY

Energy efficiency (Energy Distribution and Management)

LOCATION



DESCRIPTION

MV Underground Cables: project to renew the electricity distribution network's MV lines to improve the qualitative and technical levels of the network structure. In particular, through the renewal of the MV backbone cables and the laying of 22 kV MV cabling (approximately 400 km), the project will make it possible to:

- Renew network assets that finish their useful operating life or are inadequate compared with the required level of operation;
- Rationalise the layout and structure of existing networks;
- Reduce the energy losses in the network;
- Improve the quality of the service, as instructed by ARERA [the Italian Regulatory Authority for Electricity Gas and Water], in terms of both number (therefore reducing the failure rate) and duration.

During the course of 2016, approximately 31 km of 22 kV MV cables were laid, as well as approximately 3 km of MV network relating to the laying of the backbone cables for the new HV/MV stations called SPIP and BOTTEGHINO.

LV Network: project to renew the electricity distribution network's LV lines to improve the qualitative and technical levels of the network structure. In particular, the project will make it possible to:

- Resolve the critical issues present in the LV distribution network;
- Adapt the lines that are no longer suitable for the load that they have to support;
- Electrify new areas in order to adapt the network at the request of new users.
- During 2016, 28 km of LV network cabling were laid.

AMOUNT

Full project amount (2008-2019) (€ millions)	Financeable amount (€ millions)	Financed amount (€ millions)
93.2	93.2	2008-2018: 39.9 mln 2019: - mln
		Total 39.9 mln



ENVIRONMENTAL PERFORMANCE INDICATORS

KPI	UM	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Network leaks	%	5.43%	7.08%	6.08%	5.87%	4.65%	3.91%	3.93%	3.91%	3.91%	3.91%	3.91%
Network leaks	GWh	243.51	315	249	246	204.1	172.82	157.33	172.82	172.82	172.82	172.82
Electricity fed into the network	GWh	4,485	4,451	4,097	4,191	4,387	4,420	4,002	4,420	4,420	4,420	4,420