



AXIS	CATEGORY
Energy Efficiency	Resilience of electricity distribution Infrastructure
<b>Short Description</b>	
Investments to reduce networks energy losses	

### 3. Energy efficiency in the electricity distribution networks' management



Acea is deeply focused and committed to the improvement of Rome and Formello electricity distribution networks, both managed by Areti, which, among others, qualify the whole Group as the second ranked national operator in terms of points of delivery. The company has planned voltage change interventions as well as interventions to substitute medium voltage/low voltage transformers with components aimed at reducing losses which will eventually contribute to the diminishing of the technical energy losses on the electric network. Energy efficiency interventions will reduce electricity consumption required to manage processes, resulting in savings which can be converted in both TOE and avoided CO<sub>2</sub> emissions.

**PROJECT STATUS:** ongoing

**LOCATION:** Latium, Italy

#### Green Bond Allocation

ALLOCATION				
TOTAL FINANCED AMOUNT (€ MILLION)	2019	2020	2021	2022
35.60	13.50	6.30	10.80	5.00

#### Environmental performance indicators

KPI	UoM	2020	2021	2022
Saved electricity/Distributed electricity	MWh/MWh	1,770/9,070,469	1,127/9,206,108	744/9,408,392
Avoided emissions (*)	tCO <sub>2</sub>	637	406	268
TOE saved	TOE	331	211	139

(\*) Avoided emissions calculation is carried out with the 2019 location-based conversion factor (base year of intervention planning). The figures are obtained by multiplying yearly saved MWh with the Terna 2019 national mix conversion factor. For the sake of transparency, the 2020, 2021 and 2022 avoided emissions datapoint, calculated based on the Terna 2020, 2021 and 2022 location-based conversion factor, and reported in the company Energy Review, is equal to 595 tCO<sub>2</sub>, 355 tCO<sub>2</sub> and 230 tCO<sub>2</sub>.