



# INVESTMENTS OF IMPACT

## Photovoltaic Generation

A total of nine projects have been completed within the scope of Light's Energy Efficiency Program (PEE), reaching various spheres and types of customers within our area of concession, whether in the government or in society. These projects were all provided with power generated from incentivized photovoltaic power, to a total installed power of 321.5 kWp, and generating 390 MWh/year.

A highlight within this scope would be the project developed at schools in the city of Queimados, in the Rio de Janeiro metro area. Completed in 2020, it reached a total of 15 schools and the Municipal Education HQ, serviced by a 29.7 kWp solar power plant, and also included the replacement of more than 3,200 conventional light bulbs with LED technology.

These projects will generate an estimated 220.7 MWh/year in power savings and a reduction in demand of approx. 28.6 kW at the last mile, reaching over 10,000 people including students and teachers at municipal schools.

An additional 15 projects are currently underway or at the contracting stage, all of which funded by the PEE and therefore to be equipped with their own solar energy plants, to reach a total installed power of 2,865 kWp and a total power generated per year equivalent to 3,283 MWh.

Among the 15 projects, we highlight:

**São Sebastião Administrative Center (CASS)** – Stage III, implemented at the Rio de Janeiro City Hall, to be completed by March of 2021. Included in the project is the modernization of the air conditioning system by another of better efficiency and lower energy consumption;

**Exchange of more than 22,000 light bulbs** by LED technology, which is more power-efficient;

**Implementation of a new, distributed photovoltaic power plant** with 75 kWp capacity, yielding projected energy savings of more than 3,900 MWh/year and demand reduction at the peak of more than 1,000 kW.

**R\$ 3.4  
million  
invested**

**R\$ 36  
million  
in projects in  
the pipeline**