



Covenant of Mayors for Climate & Energy – Eastern Partnership

SOLAR EU4 YEREVAN. **COMMUNITY**

November 30, 2022





- On September 9, 2014 by the decision N 204-A of the Council of Elders of Yerevan, the city of Yerevan joined the EU Covenant of Mayors.
- Within the framework of the "Covenant of Mayors" initiative, with the support of the European Union, the Municipality of Yerevan implemented "EU for Yerevan. Solar Community" Project.
- The total project's budget was **1,250,000** euros, of which **1,000,000** euros was EU co-financing and Yerevan Municipality's co-financing is **250,000** euros.





THE MAIN OBJECTIVES OF THE PROJECT

- Reduce electricity consumption and associated greenhouse gas emissions in multi apartment buildings by using renewable energy sources and implementing energy saving measures,
- Increase security in buildings and courtyards by improving internal and external lighting systems,
- Promote "green economic growth".





BUILDINGS SELECTION

More than 546 applicant buildings from which shortlisted 50 potential buildings as first wave of buildings, and similarly 55 for the second wave.

SELECTION CRITERIA

- Buildings which have flat roofs and respective available areas for fitting PV arrays,
- Buildings with 9 to 14 storeys,
- Buildings which have more than two entrances and two working elevators,
- Buildings with sound technical condition (at least second damage category, according to the national legislation)
- Presence of low-income families registered as vulnerable groups in the buildings,
- Buildings which have established and well-managed home owner associations (HoA).





PROCUREMENT PROCESS

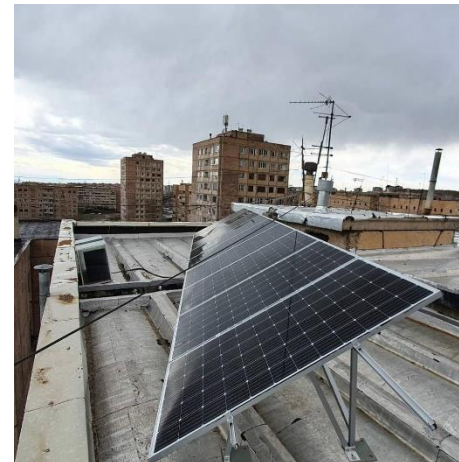
- The 105 buildings have undergone “load bearing analysis” for the roofs,
- Preparation of technical design documentation and bill of quantities for solar PV, indoor and outdoor lighting systems,
- Installation of solar PV, indoor and outdoor lighting systems.



INSTALLATION WORKS

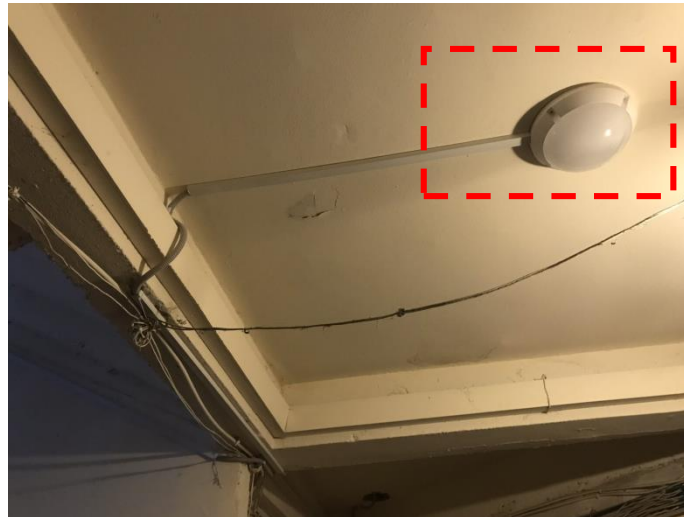
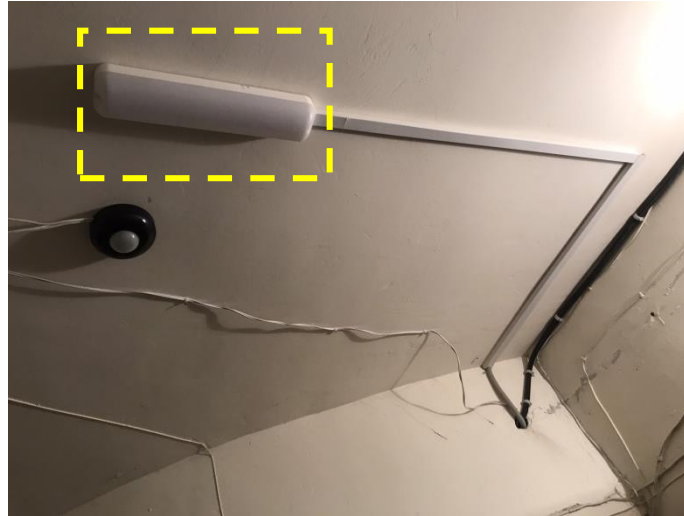
SOLAR PV SYSTEMS ►

Photos

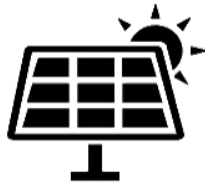


INSTALLATION WORKS

LIGHTING SYSTEMS ► *Photos*



THE SYSTEMS DONATED TO THE RESIDENTS BY THE PROGRAM ARE



690 kW
planned
capacity



96.262 kW
LED lamps
in indoor
and outdoor
lighting
system



1455 LED
lamps for
socially
vulnerable
families



AS A RESULT OF THE PROJECT IMPLEMENTATION



Reduction of
elevator
electricity bills
more than **50%**



Quality and
uninterrupted
lighting in indoor,
staircase areas
and in yard areas



Reduction of
electricity
consumption in
common areas
by **77%**



Reduction of CO2
emissions to **453**
ton per year





CASH COLLECTION

- Bank accounts created for each of the buildings, where will accumulate the money collected from the residents and revenue from electricity sold to Electric Networks of Armenia CJSC.
- The accumulated money will be directed to the maintenance of donated systems and for the implementation of energy saving measures in buildings by the decision of the residents.



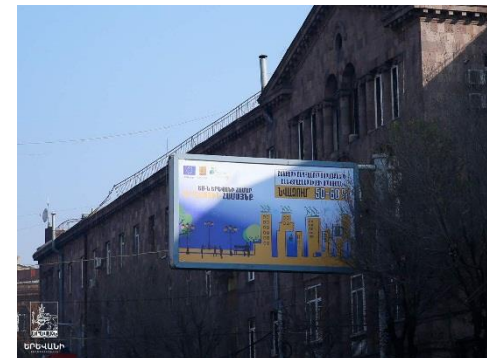
VISIBILITY ACTIONS

- Dozens of interviews with local and regional TV channels and radio stations and hundreds of publications,
- Introductory and interim video clips presenting the Project and expected outcomes,
- Animated movies and video clips introducing the project,
- A photo, painting and intellectual contests,
- Yerevan Municipality initiated and organized hackathon and event called “Students for climate” within the framework of the EU sustainable Energy Week.



VISIBILITY ACTIONS

- Large banners are installed on billboards at 11 administrative districts,
- Informative plaques are installed on 97 buildings,
- Branded T-shirts, caps, bags, eco-pens, folders, booklets, notebooks were printed/published.





THANK YOU FOR YOUR KIND ATTENTION

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