

## Sikat Impact Challenge: Project ReCharge

### *Shelter development assistance*

**Location** : Angat, Bulacan  
**Date** : July 1, 2018 – March 30, 2019  
**Client** : Masagana of Angat Home Owners Association

#### Project partners

- Masagana HOA

#### Funding support

- Sikat Solar Challenge Foundation

#### Contract / agreement value

- PHP 500,000



*Community members install solar street lights in Masagana*

#### Project brief

Supplemental funding and contributions from other organizations (outside of Misereor) supported the implementation of various projects toward the self-help development of the Masagana of Angat Homeowners Association resettlement site in Angat, Bulacan. Masagana is one of the community partners that TAO-Pilipinas has been assisting since 2009. (See related Projects 0902 and 1001.) In July 2018, the Sikat Solar Challenge Foundation sponsored teams of young innovators to carry out the Sikat Impact Challenge, an initiative to develop renewable energy projects in communities through a seed grant. One of the sponsored teams is composed of four TAO staff members who proposed to implement “Project ReCharge”, aimed at providing solar-powered clean water and lighting systems for the Masagana community.

The project team conducted orientation sessions to introduce renewable energy and solar photovoltaic technologies to the Masagana community, including a hands-on demonstration of solar-powered filtration systems for water supply. They also facilitated planning workshops where the community identified the critical locations for street lighting. In the succeeding months the team worked with the community in establishing solar-powered streetlights (SSL) and a water purification system (WPS) in the site. The Ateneo Innovation Center also assisted the project team in carrying out training on the assembly and maintenance of the SSL and WPS.

By June 2019, the project team formally turned over the ten SSLs that were erected in agreed locations and the solar WPS that was installed adjacent to the community resource center. A sustainability plan was developed for the maintenance and incremental expansion of the SSL and a business model was proposed for the operation and maintenance of the WPS.

The Sikat-funded project was able to address the identified needs of Masagana community in areas of electricity and lighting, water, and livelihood. The community gained awareness on renewable energy systems and its practical application in community facilities. Illumination from the SSLs offered them assurance of safety and security while the WPS not only gave them access to more affordable, clean drinking water but also provided a viable livelihood option for the community.

#### Project outputs

- Installation of solar street lights
- Establishment of water purification system with solar-powered filtration
- Community orientation on renewable energy and training in solar-powered systems