Communities advance sustainable energy solutions (CASES): project success stories

Transition to sustainable and secure energy will not take place without the participation of municipalities and their adaptation to climate change. This project aims to increase the capacity of local governments to implement energy projects with the involvement of business and the public, as well as to create examples for Ukrainian communities.

Project goal: Foster local sustainable energy projects that are implemented in cooperation by citizens, business and local authorities.

Budget:
- Voznesensk amalgamated community — 1,180,000 UAH (430,000 UAH — Ecoclub funds, 750,000 UAH — local budget).
- Baranivka amalgamated community — 1,040,000 UAH (350,000 UAH — Ecoclub funds, 690,000 UAH — local budget).

Duration: 14 months.

Timeline of the project:
1. competition announcement
2. collection of applications
3. evaluation of ideas by the independent
4. development of the online course
5. finalization of applications, their re-evaluation
6. selection of winners
7. implementation of the projects
8. training for 12 selected communities
9. implementation of the projects
10. opening of the solar power plant (SPP) in Voznesensk
11. opening of the SPP and energy efficiency center in Baranivka
12. awarding communities and online course students

Results:
- Covering from a renewable source at least 15% of the actual power consumption of the water supply facility.
- Experience in installing SPP on communal property.
- Attraction of small SPP service specialists to the community.
- Reduction of fossil and nuclear-based electricity consumption by 60,000 – 70,000 kWh per year.
- Reduction of CO2 emissions by: 0.42 kg/(kWh) × 60,000 kWh = 25,200 kg per year.

Results:
- At least 500 community residents per year will become aware of the implementation of energy efficiency measures and the benefits of using renewable energy sources (RES).
- Share of RES in the private sector increased by 50%, comparing to 2020, due to the installed 100 kW capacity.
- At least 11 MWh of renewable electricity supplied to the municipal sector replacing the traditional electricity and providing for reduction of 10 CO2 tons per year.
- Increase in the number of condominiums implementing energy efficiency measures.

Online course "Local energy projects: how and where small businesses and communities find money for energy projects and more”

Goal: to teach fundraising, strategic planning and cooperation of authorities, business and the CSOs for the implementation of local energy projects.

Website (in Ukrainian): https://money.ecoclubrivne.org/