



Team Name: Watts on Water (WoW)
Project City and State: El Centro, CA
Submission Title: Community Aquavoltaics: Energy and Water Security!

Organization Overview

Mission

WoW's community mission is to:

- Provide renewable solar energy
- Protect valuable community land
- Preserve critical water resources

Background

WoW was founded in 2023 with a vision of increasing the use of aquavoltaics for our energy needs, because of the amazing benefits the technology has over traditional solar.

Project Overview

El Centro Community center is a mere 1/2 mile from a large natural gas steam power plant, covering its reservoirs with solar could generate 4 MW of power. Multiple other water bodies are nearby as well, working with the local community and municipalities could explore the feasibility of these systems and plan for projects to make the biggest impacts for the community.

Funding would support a pilot project of a 50 kW aquavoltaics array and a 100 kWh battery storage system which would match the demands of the El Centro Community Center.

Key Benefits

- 1. Provide Education and Training:** This will help maintain employment security as we transition away from fossil fuels.
- 2. Community and local offices collaboration:** Working together on water saving and energy generating initiatives.
- 3. Renewable energy without land loss:** Land has value to the community, such as agriculture or housing, aquavoltaics doesn't require any land!
- 4. Water Security:** Ensures that water evaporation is stopped, and water resources are maintained and seen as valuable.

