

# ROC Community Clean Energy Coalition

- Coalition
  - Revitalize Our Communities (ROC) Inc. is a nonprofit organization that seeks to make our communities more beautiful and beneficial through Science Technology Engineering Arts and Mathematics (STEAM) partnered with Westlake High School in south Fulton County and supported by Georgia State University
- Goals in relation to Justice40 Priorities
  - Increase South Fulton, GA community awareness about solar energy and sustainable agriculture
  - Provide fresh vegetables and fruit in the South Fulton county food desert through the integration of solar energy and hydroponics
  - Build the training pipeline of certified photovoltaic (PV) solar installers in the South Fulton community
- Activities
  - Implement Saturday, summer, and after school programs where STEM underrepresented high school youth apply design thinking and STEAM to design, build and implement an 8 ft x 24 ft solar powered hydroponic greenhouse on wheels
  - Transport the greenhouse to elementary and middle schools, and community events to execute a set of sustainability workshops related to solar energy, energy conservation, and clean energy job awareness
  - Develop website and youtube channel with online videos with computational music to further expand awareness both within and outside the South Fulton community promoted through social media
  - Prepare and support high school youth underrepresented in STEM to pass the NABCEP associate level PV solar installer certification exam
- Metrics
  - Complete the solar powered greenhouse in February 2023 and provide at least 50 lbs. of vegetables to the south Fulton Atlanta Community food bank in April 2023 expanding to 500 lbs. the 2023-2024 school year
  - Prototype middle and elementary school clean energy workshops with 100 students in May 2023, implement a clean energy summer camp for middle school students in June 2023 and expand the workshops to over 1000 students per year in the 2023-2024 school year
  - Expand the program to another school in September 2023 and have at least ten high school youth, who are underrepresented in STEM, pass NABCEP associate level PV solar installer exam by September 2024

