



Fiscal Year 2021-2022 Grant Solicitation

Adult Education & Vocational School Zero-Emission Vehicle Technology Training Project

Project Executive Summaries

November 17, 2023

Project Summary: On November 19, 2021, the California Air Resources Board (CARB) approved a \$1.5 million allocation toward Workforce Training and Development projects in the Fiscal Year (FY) 2021-22 Funding Plan for Clean Transportation Incentives. On August 25, 2023, CARB released a solicitation for Grantee(s) to implement the Adult Education & Vocational School Zero-Emission Vehicle (ZEV) Technology Training Project for FY2021-22 to develop new or strengthen existing workforce training and development programs and training curriculum for ZEV technologies.

The solicitation was open for applications August 25, 2023, through October 27, 2023. CARB received three applications that are listed below in alphabetical order.

Eden Area Regional Occupational Program (EAROP)

The Eden Area Regional Occupational Program (EAROP) proposes developing a new, innovative, and comprehensive workforce development training program applicable to light, medium, and heavy-duty zero-emission vehicles (ZEV). Funding will be utilized to cover costs of developing a zero-emission vehicle-focused curriculum, necessary hands-on equipment, instructional materials, outreach efforts, and staffing. The program will provide underrepresented students with an innovative green workforce career pathway for technical skillsets on zero-emission vehicles, inclusive of hydrogen fuel-cell and battery electric vehicles, and its supporting infrastructure. The curriculum would encompass a broad range of material focused on vehicle technologies, maintenance and lifecycle implications, high voltage safety, and infrastructure.

This program will be developed in partnership with AC Transit, the transit agency providing service to Alameda County and parts of Contra Costa County, to prepare EAROP high school students for adult apprenticeship programs at major transportation agencies and companies. Additionally, this program will help build an interest in zero-emission

technology at a high school age with a plan for long-term career development for students. Due to EAROP's student population, this program automatically serves and benefits low-income and disadvantaged communities, increases awareness of, and access to, ZEV-specific training, and enhances the current curriculums offered at EAROP.

Sacramento Academic & Vocational Academy (SAVA)

Sacramento Academic & Vocational Academy (SAVA) is an accredited vocational charter school in the Sacramento region serving a diverse student population of over 1,400 students. SAVAs has been in operation since 2007, and currently, over 75% of SAVAs student population is Hispanic or African American, with over 70% of the student population coming from low-income families. SAVAs is requesting \$500,000 for this grant which will help provide ZEV training through electric vehicle conversions. These funds will be used to directly support CARB's goal of expanding existing zero-emission vehicle technology training programs that empower priority populations and provide knowledge and skills needed for job placement and career advancement. SAVAs will utilize the funding from this grant to increase and enhance their existing course offerings in zero-emissions vehicle technology. The goal is to boost the number of students prepared to enter the workforce within the clean energy field. SAVAs holds a unique position in bolstering the clean energy workforce in the Sacramento region and addressing diversity gaps in current clean energy jobs, ensuring that the next generation of the clean energy workforce mirrors the diversity of the communities we serve.

In 2023, SAVAs implemented an electric vehicle conversion project as part of their Advanced Automotive Technologies pathway. This pathway serves over 100 students annually. Students, in collaboration with many community partners, began the task of converting a 1964 Chevy Impala into the first-ever, student-led EV lowrider conversion project. This project has received significant local, regional and national attention, and SAVAs students are excited to implement similar future projects in the coming years. SAVAs will utilize funds from this grant to build upon the success of the EV lowrider conversion project and increase the number of students participating in The Advanced Automotive Technologies pathway courses annually from 100 to 150. In January 2024, SAVAs is expanding into a 40,000-square-foot facility to develop comprehensive clean energy pathways in the areas of energy and power technology. As part of this expansion, SAVAs plans to create a standing classic vehicle EV conversion program where students will select vehicles with cultural and historical significance to their community for conversion into electric vehicles. Funding from this grant will support instructor salaries, provide classroom training aids, tools and equipment, and professional development to support the conversion process. The benefits and outcomes of this project will include:

- Establishing a collaborative network of local community partners to develop clean energy training programs. Major participants in this project will include SAVAs, SMUD, SMAQMD, and Power Inn Alliance.
- Increasing qualified applicants within our region to fill high-demand clean energy jobs.

- Ensuring the green revolution is accessible to all demographic groups by providing training and access to high-wage, high-skill clean energy jobs for underrepresented populations.
- Utilizing the converted EVs as rolling classrooms in the community. This project will raise awareness of job opportunities in the clean energy field.

San Diego College of Continuing Education

San Diego College of Continuing Education is committed to providing high-quality adult education and vocational training programs that empower individuals to acquire the skills and knowledge needed for gainful employment and career advancement. Our institution has a longstanding tradition of serving diverse communities in the San Diego area, and we are eager to expand our offerings to include training in ZEV technology.

In summary, we believe that with Adult Education and Vocational School ZEV Technology Training Project, we can achieve the following goals:

1. **Development of Comprehensive Curriculum:** We will develop a state-of-the-art curriculum that covers essential topics in ZEV technology, ensuring that our students receive the most up-to-date and relevant training.
2. **Hands-on Training Facilities:** We plan to establish well-equipped training facilities that replicate real-world scenarios, allowing our students to gain practical experience with ZEV technology.
3. **Community Outreach and Engagement:** Our project will actively engage with local employers, industry partners, and community organizations to foster collaboration and ensure that our training programs align with industry needs and workforce demands.
4. **Supportive Services:** We are dedicated to providing wraparound services, including career counseling, job placement assistance, and ongoing support to help our students succeed in the workforce.