

Driving Tennessee Forward - EV Technologies

Southwest Tennessee Community College (STCC) is supporting equitable access to charging infrastructure in west Tennessee by installing charging stations and offering a program that provides opportunities for local apprentice and journeyman electricians to learn how to install, service and maintain electric vehicle (EV) chargers.

BUDGET

\$950K

\$664K
TVA Connected
Communities

\$286K
Proposed
Match

Background



Unlimited Career Opportunities

With the rise in EV adoption, there is a growing need for EV chargers nationwide, which also means there's an increased need for professionals skilled in installation, maintenance and servicing chargers. STCC addresses both needs by installing their own EV chargers and providing a training program for working with these chargers. Program participants gain training on the installation and maintenance of EV charging stations, and visitors benefit from having EV charging stations readily available.

THE OPPORTUNITY

Equitable Access

This program provides equitable access to EV charging stations and timely job training to enable transformative career paths in the EV charging industry to underserved communities.

STCC

7K+

students enrolled

Minority and Underserved Students

are predominant

Scope



Training and Trade

opportunities through this program are offered to students interested in the installation and maintenance of EV charging stations.



Project Expansion

is anticipated, with scaling opportunities existing throughout Tennessee and beyond.



Additional Opportunities

for program growth as STCC considers the addition of faster, level 3 charging stations.

QUANTITY

6

level 2 EV chargers installed

1

training program covering installation and maintenance

THE GOAL

Clean Energy Workforce

Boost accessibility to clean energy, EV charging and workforce opportunities for the entire Memphis community.

Performance

Key Performance Indicators

- **Two-Day Training Class KPIs:** Participant numbers, attendance and a pass or fail grade
- **Charging Station KPIs:** Energy consumed, CO₂ saved and greenhouse gas (GHG) emissions avoided

The Value

Workforce Development

Underserved students gain experience and education in a rapidly growing industry

Certification

A certificate of completion and other potential class credits provide students with opportunities for career advancement

Economic Growth

The program's framework can be replicated by other communities, positioning Memphis as a pioneer in the EV industry

Key Partners

PROJECT LEAD

Southwest Tennessee Community College

ADDITIONAL PARTNERS

American Electric

Atom Power, Inc.

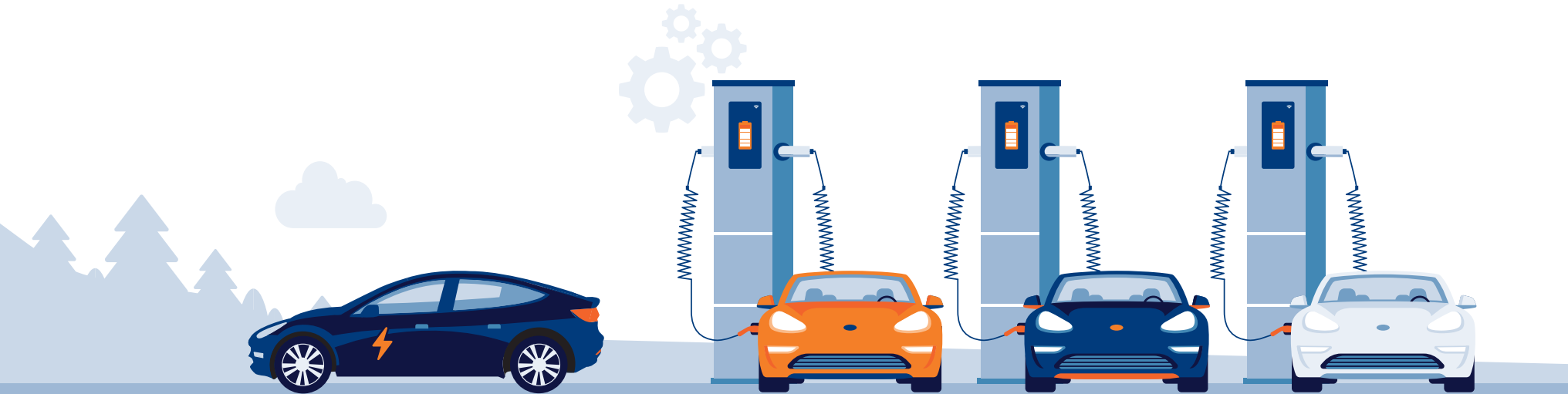
Bartlett Area Chamber of Commerce

Curtis Stout

LionLux Facility Solutions

Memphis Light, Gas and Water

Tennessee Valley Authority



Timeline

Phase 1

EV charging station course training

Phase 2

Installation of EV charging stations:

Primary activities/milestones, preliminary site inspection, project kick-off meeting, site plan and drawings, request and obtain permit, site construction, EVSE installation, commissioning, inspection and personnel training



Learn more about pilot projects

