

# Preparing our Nation's Workforce to Install, Maintain, and Service Electric Vehicle Charging Equipment



## Develop

Develop curriculum with local community colleges to train a workforce to install, maintain, and service electric vehicle charging infrastructure



## Train

Train individuals through for-credit and workforce programs to create job opportunities for a skilled incumbent workforce



## Deploy

Deploy Clean Cities and Communities staff to replicate the program in community and technical colleges across the country

## Training our local workforce

**GUMBO** is a workforce development initiative sponsored by **Louisiana Clean Fuels** in partnership with **Baton Rouge Community College**. This innovative project is funded by the **U.S. Department of Energy's** Office of Energy Efficiency and Renewable Energy under the Vehicle Technologies Program Office.

Louisiana Clean Fuels is proud to be at the forefront of clean transportation education and training programs in our region. The “GUMBO” team will directly engage technicians in skill building, education, and training; and provide educational resources that will prepare them to enter the workforce and earn a competitive wage. Our Electric Vehicle Supply Equipment (EVSE) training programs will allow individuals to earn high-demand credentials in EV charging equipment installation, maintenance, and operations while supporting the rollout of the National Electric Vehicle Infrastructure (NEVI) programs.

1



Develop a curriculum with experts in the field

2



Pilot the training program at Baton Rouge Community College

3



Create a replication playbook for multistate rollout

4



Support community colleges across the country as they develop training courses

5



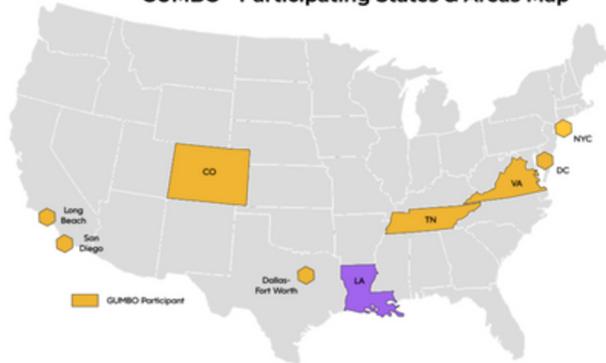
Deploy a trained, local electric vehicle charger workforce

There is an urgent need for a local, skilled EVSE installation and operations workforce that is ready to begin installing our nation's electric vehicle charging infrastructure. This network, funded largely by the Infrastructure Investment and Jobs Act, will put us on a path to a nationwide network of over 500,000 EV chargers by 2030. This growth of charging infrastructure could create more than 160,000 jobs by 2032 nationwide. "Notably more than 78,000 or close to 50% of total jobs needed, will be electrical installation, maintenance and repair jobs." (<https://theicct.org>) For communities across the U.S. to address this transition to new, clean transportation jobs, pathways that bring workers into electrician occupational training careers must be implemented quickly.

The curriculum developed at BRCC in collaboration with our project partners will include in-depth training in a variety of subject areas, including: Electric Vehicles and Batteries, Electrical Energy, Fundamentals of Electrical Codes and Safety, Charging Stations and EVSE, Preventative Maintenance, Corrective Maintenance, EVSE Commissioning, and Industry Standards.

## PROJECT PARTNERS

GUMBO - Participating States & Areas Map



- Dallas Fort-Worth Clean Cities
- Drive Clean Colorado
- East Tennessee Clean Fuels
- Empire Clean Cities
- Greater Washington Region Clean Cities
- Long Beach Clean Cities
- San Diego Clean Cities
- Virginia Clean Cities



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