

# CHARGING AHEAD

## A Roadmap to the Benefits of Electrifying Transportation

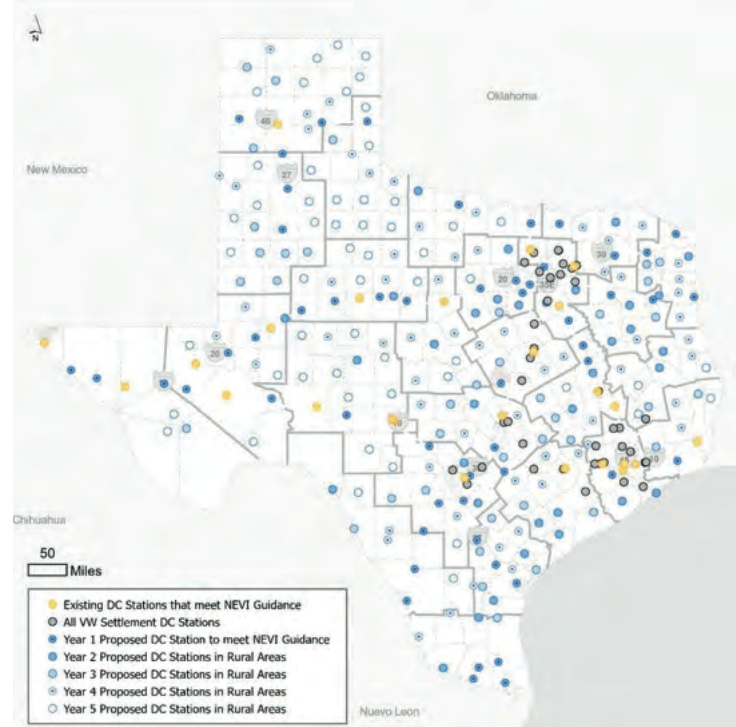


**Funding opportunities  
available for YOUR  
community!**

The number of electric vehicles in the U.S. is projected to reach 18.7 million by 2030. To keep pace with this phenomenal rate of growth, the U.S. needs to construct over 1.25 million EV charging stations — which amounts to building hundreds of chargers each day until 2030, according to an analysis by Charge Ahead Partnership, a coalition that advances market-based policies that will accelerate the development of the nation's electric vehicle charging network.

# Charging Up Savings: How EVs Cut Costs

- Electric vehicles (EVs) offer significant cost savings, particularly in rural areas where longer driving distances are common.
- 80% of people charge their electric vehicles at home during off-peak hours when electricity costs about  $\frac{1}{3}$  of gasoline.
- According to *Consumer Reports*, owning an electric vehicle results in hundreds of dollars in annual savings on charging costs compared to gas powered vehicles and can deliver overall savings of \$6,000 to \$10,000 over a 200,000-mile lifetime.



TxDOT wants your input on where the charging will go in each town and community

"I direct TxDOT and stakeholders to include in the plan a way for Texans to easily get from Beaumont to El Paso and Texline to Brownsville in an EV—with a focus on rural placement and connectivity." **Gov. Greg Abbott**

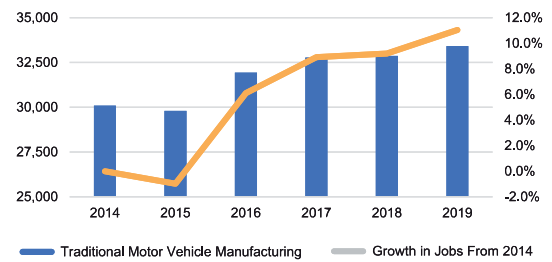


- Through bidirectional charging, EVs can supply power back to your home, barn, or construction site for daily use or during power outages.
- During winter storms or summer heat waves, they can be a valuable backup source to keep the power on.

# Driving Local Prosperity: Creating Jobs All Over Texas



- Transitioning to EVs can stimulate local economies by creating good paying jobs related to infrastructure installation, maintenance, and charging station operation.
- There are over 18 major EV-related manufacturers throughout Texas, and many types of jobs are available.
- Installing charging stations can draw in customers who need to charge their EVs while they shop, dine, or run errands, boosting the host's revenue in the process, as EV charging typically takes 20 minutes or more.



## ELECTRIC SCHOOL BUSES SAVE MONEY

With  
**49,608**  
school buses,  
Texas has the  
largest fleet in  
the nation.

**1.3 million,**  
or 25% of Texas  
students are  
transported by  
school bus  
every day.

Electric  
school buses  
have lower  
fuel and  
maintenance  
costs.

They can also  
serve as  
battery  
storage in  
case of an  
emergency.

Additionally, their power can be sold back to the grid as a potential revenue stream for school districts.

Source: Washington Post

## EVs Clear the Way for Healthier Lives

- EVs produce zero tailpipe emissions and contribute to cleaner air and a healthier ecosystem.
- Kids who have to be on buses for long periods of time won't have to breathe in noxious diesel fumes on an electric school bus.<sup>1</sup>

“ The benefits electric vehicles have on air quality cannot be overstated. Respiratory illnesses will decrease as electric transportation flourishes across Texas ”



**Dr. Joel Reyes,**  
Pediatric ICU Doctor

<sup>1</sup> <https://www.lung.org/clean-air/electric-vehicle-report>

# What can we do to bring more EVs to Texas?

- Build a border-to-border charging network.
- Provide grid reliability by allowing EVs to plug in and power the grid.
- Encourage school districts and large fleet managers to electrify their fleets and save money.
- Modify building codes to ensure homes and buildings are wired for EV charging.



For more information, check out our roadmap at [gettingthere.info](https://www.gettingthere.info)

## Apply For Funding Today:

- **EV Funding Finder**, [electrificationcoalition.org](https://www.electrificationcoalition.org)
  - A user-friendly tool to identify federal funding opportunities.
- **Charging Forward: A Toolkit for Planning and Funding Rural Electric Mobility Infrastructure**, [transportation.gov](https://www.transportation.gov)
  - A toolkit for planning and funding rural electric mobility infrastructure.
- **Rural EV Infrastructure Federal Funding Table**, [transportation.gov](https://www.transportation.gov)
  - A list of federal programs that can fund rural electric vehicle infrastructure.
- **Texas EV Infrastructure Grants**, [txdot.gov](https://www.txdot.gov)
  - TxDOT's application for its grant program to implement the National Electric Vehicle Infrastructure program.
- **Texas Emissions Reduction Plan: Find Your Grant**, [tceq.texas.gov](https://www.tceq.texas.gov)
  - Grants for a variety of vehicles and equipment types in construction, agriculture, cargo handling, transportation, and more.



If you need help with identifying grants or understanding what is available for your community, please contact: [TXETRAEV@gmail.com](mailto:TXETRAEV@gmail.com)  
[www.electrifytexasroadshow.com](https://www.electrifytexasroadshow.com)