

Electric Vehicle Evolution Initiative

TVA's EV Evolution initiative is helping prepare the region's grid for widespread adoption of electric vehicles through research, testing, demonstrations and technical assistance.



Helping Drive the Value of EVs for:



The Grid

- ✓ Managed charging reduces strain on our grid
- ✓ Vehicle-to-X technologies can increase local grid capacity
- ✓ EVs put downward pressure on rates, helping keep electricity affordable
- ✓ EVs can power homes and buildings during emergencies



Vehicle and Fleet Owners

- ✓ Lower fuel costs
- ✓ Reduced maintenance
- ✓ Proven performance and reliability
- ✓ Easy charging from electricity already at homes and business



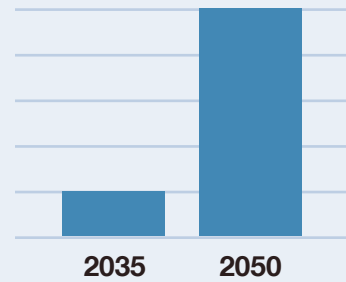
Communities

- ✓ Better air quality due to zero tailpipe emissions
- ✓ Locally produced electricity
- ✓ Supports local EV manufacturing jobs
- ✓ Decreased noise pollution

Planning for Growth in the TVA Region

Working with our partners, we are helping prepare our grid for electrification of the transportation sector through:

- ✓ Conducting research on EV market trends and technologies, rates, grid impacts, and potential offerings (e.g., managed charging)
- ✓ Providing guidance and technical assistance to local power company partners, vehicle owners, businesses, and government agencies
- ✓ Supporting partners with relevant funding opportunities



TVA IS PREPARING FOR

1M

EVs

on the road by 2035

and a potential to increase to 4 to 6M by 2050.



Find Out More

Scan the QR code to connect with us directly.

