



July 3, 2025

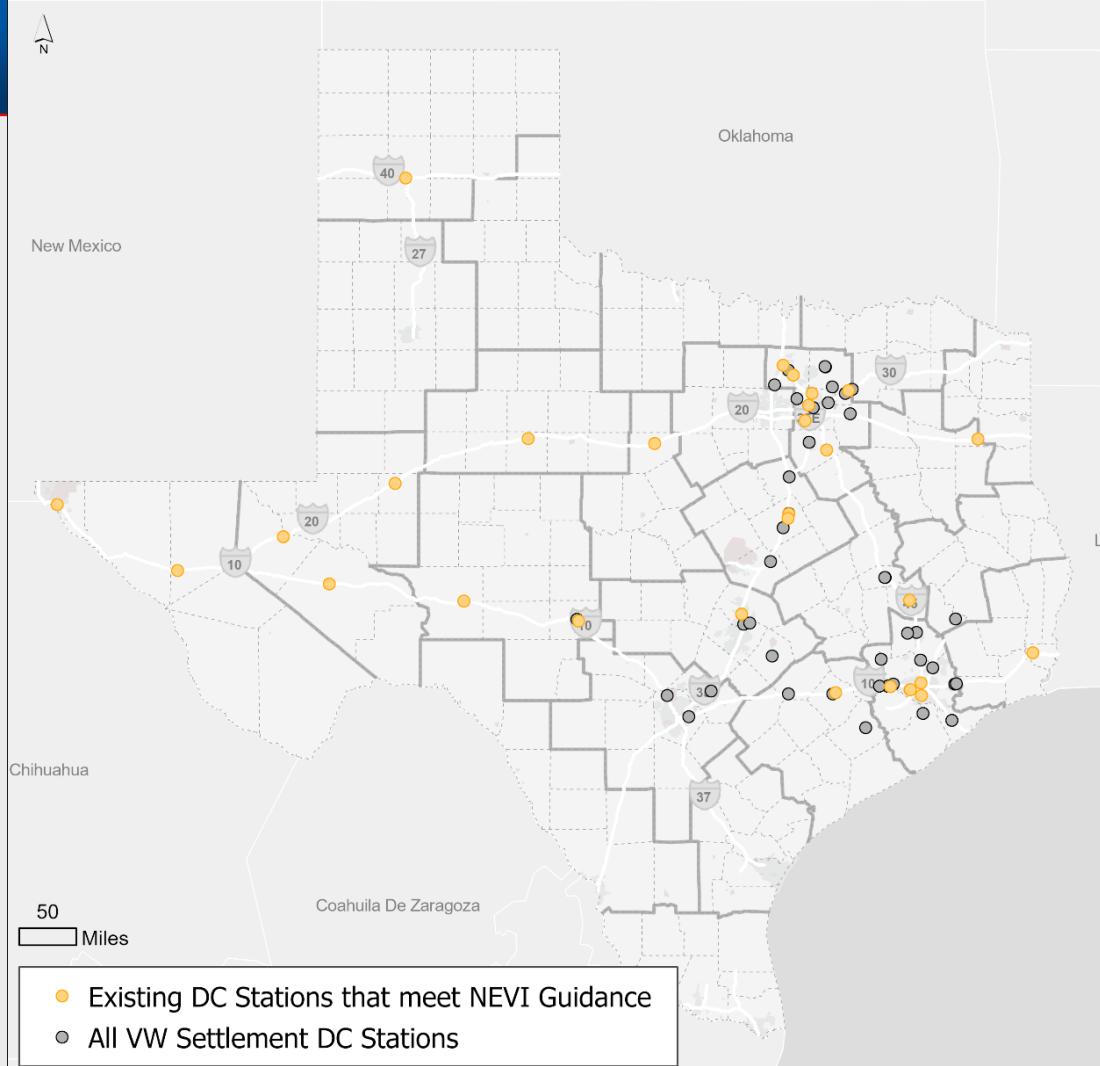
Texas Electric Vehicle Infrastructure Plan

Transportation Planning & Programming – Data Management

NEVI Background

In 2021, the Infrastructure Investment and Jobs Act (IIJA) established the National Electric Vehicle Infrastructure Program (“NEVI”). NEVI is a formula program for States to strategically deploy electric vehicle (EV) charging infrastructure.

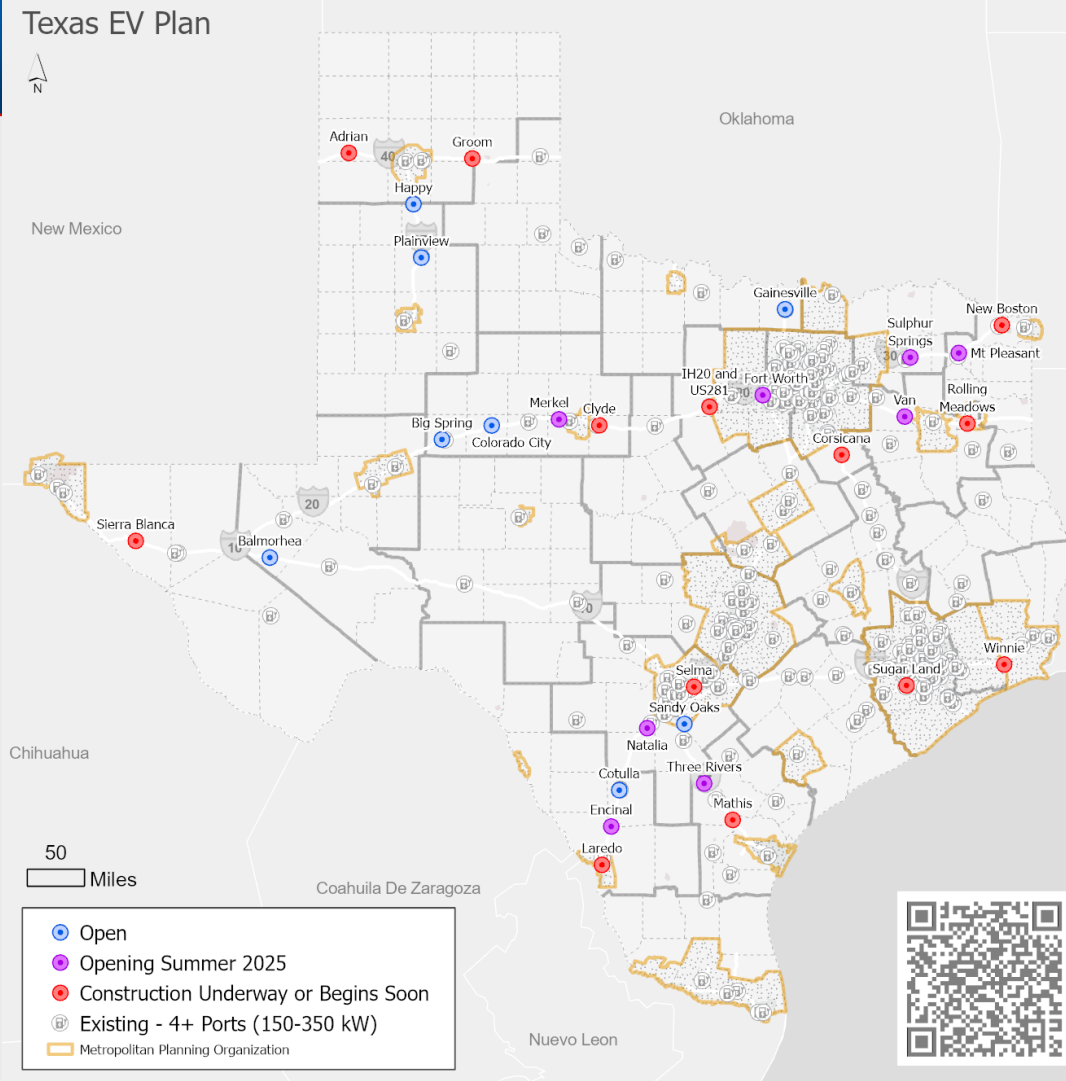
- \$2.5B Competitive Grants managed by FHWA (all alternative fuels)
- \$5B Formula Program for states to develop EV charging along the Electric Alternative Fuel Corridors



Phase 1 – Alternative Fuel Corridors

- Texas NEVI allocation **\$408M**
 - New program rules expected mid 2025

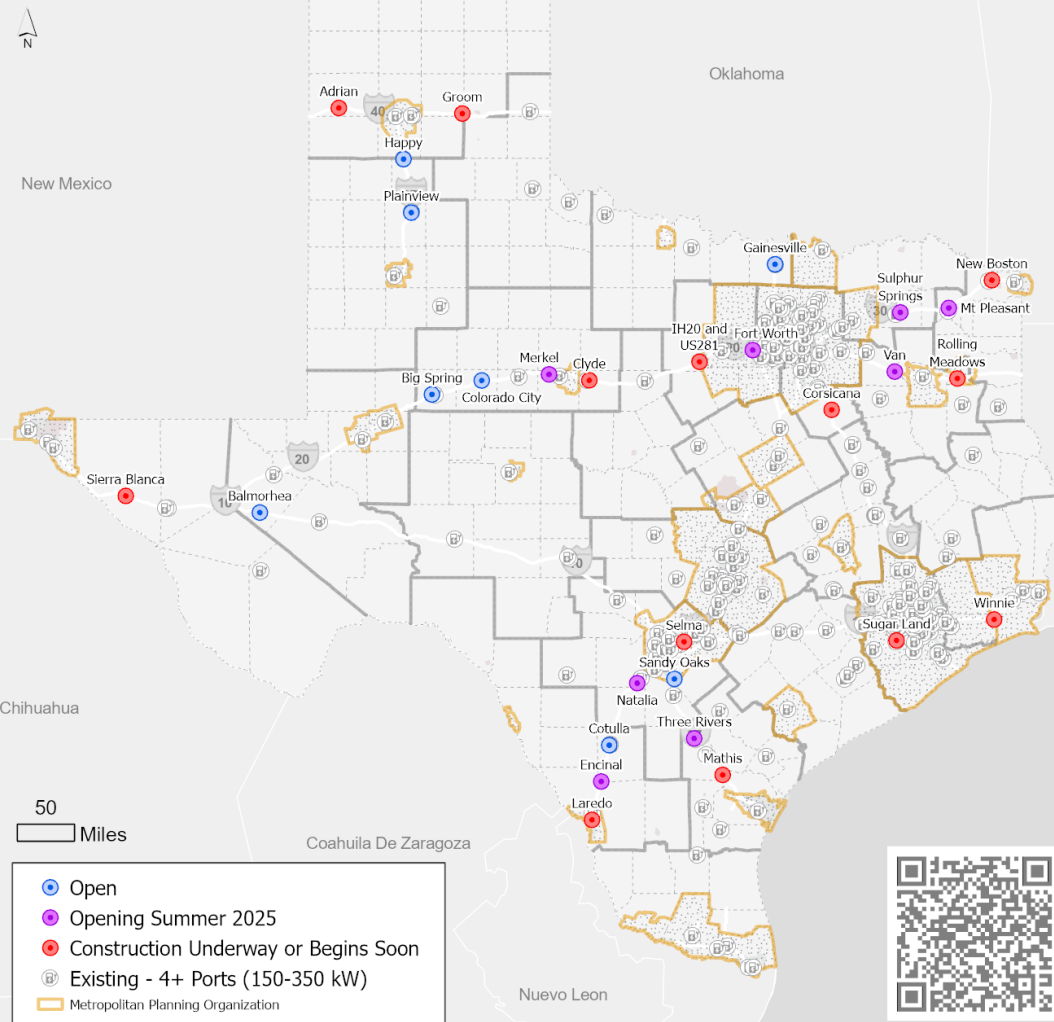
- **82** locations
 - **29** Under Construction
 - **53** TIP/STIP Phase (paused)



Phase 1 – Continued

- Travel between urban centers
 - **29** locations
 - **140** ports
 - Min **4** ports per location
 - Min power **150** kW
 - Theoretical peak **21 MW**
- For comparison: Bitcoin Mining est. at **2,600MW** peak in 2024

Texas EV Plan



Implementation

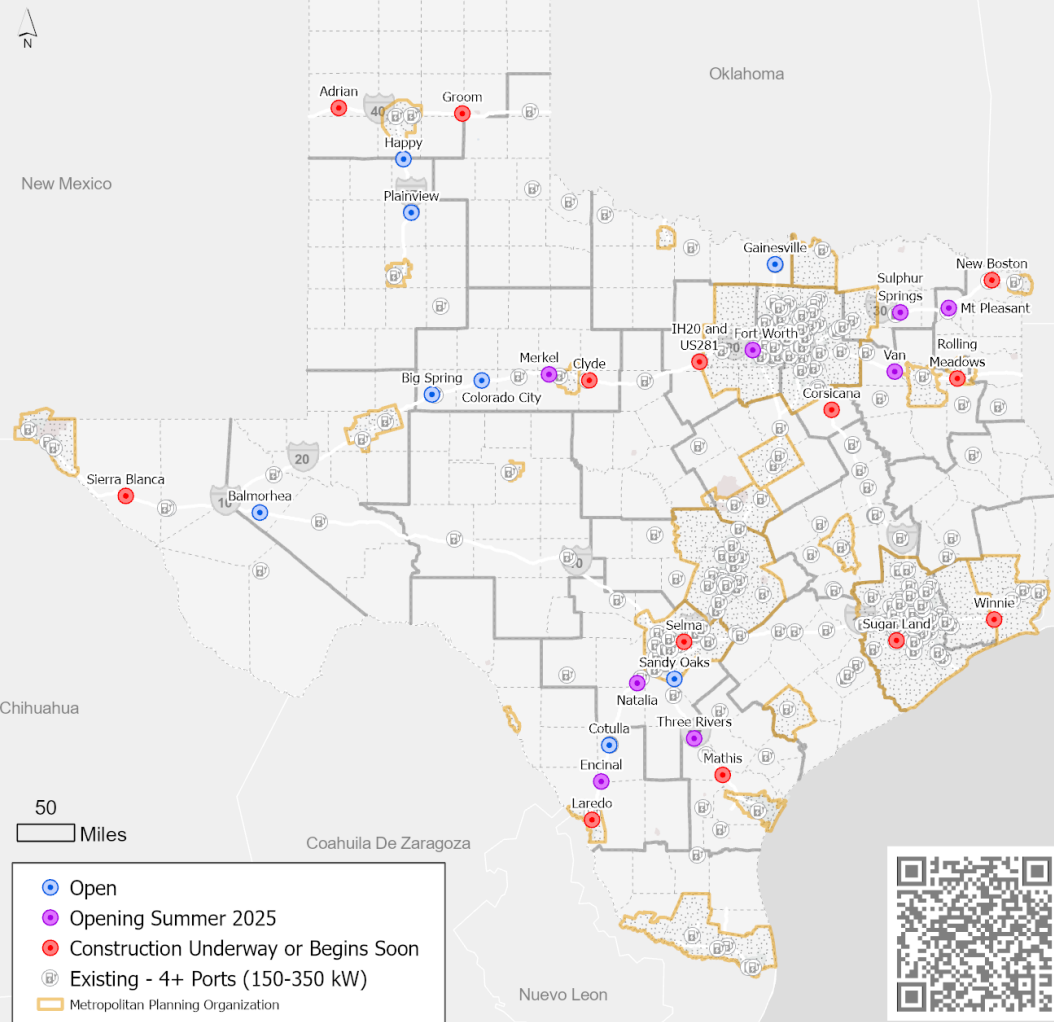
- Competitive Grant Program
- Request for Grant Application (RFGA)
- Program Manual
- Application
- Scoring Worksheet
- Site Hosting Form
- Environmental Clearance Form

Phase 1 Selection Complete

[Application Summary](#)

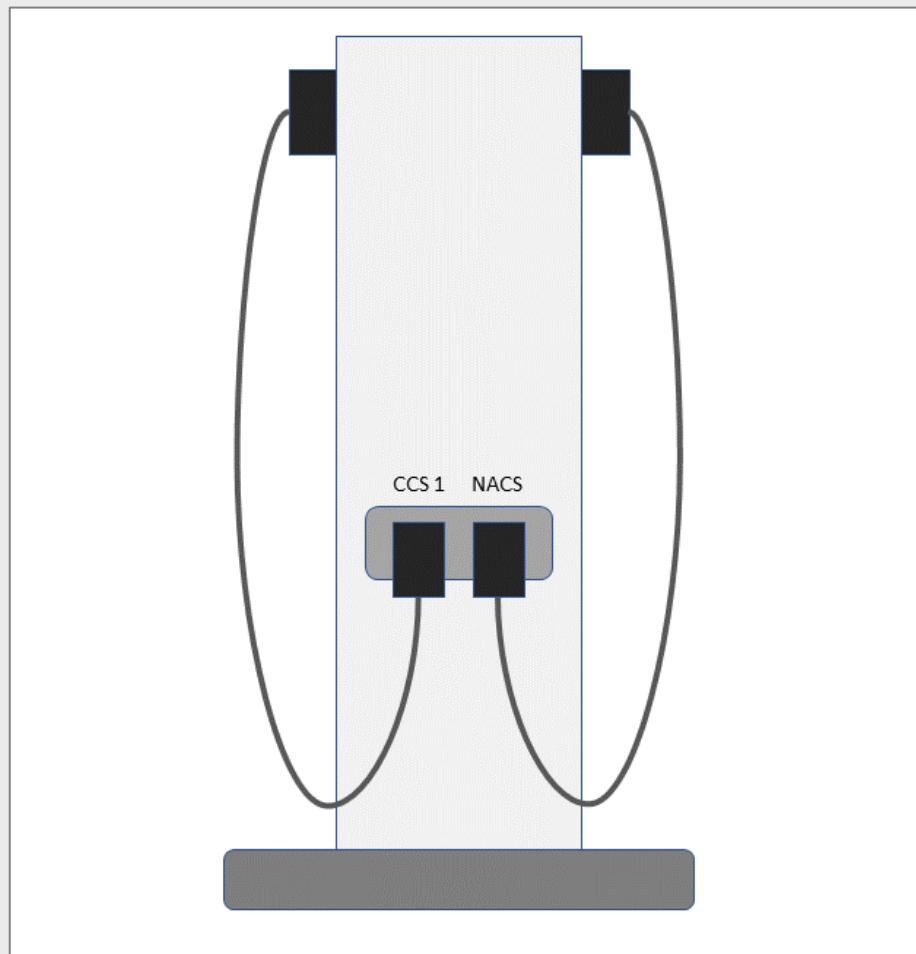
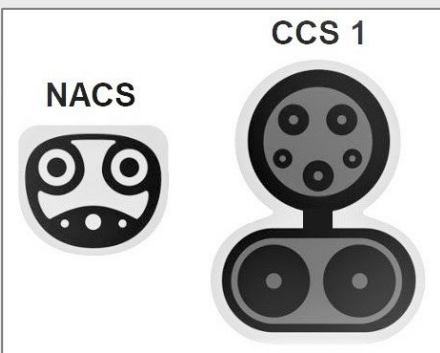
[Program Results](#)

Texas EV Plan



Connectors

- Each dispenser includes a NACS and CCS 1 connector that will support 98% of electric vehicles with fast charge ports in the Texas.



First and Second Stations

- Happy



- Gainesville (494 charges the first 19 days)



Third and Fourth Stations

- Cotulla



- Plainview



Fifth and Sixth Stations

- Balmorhea



- Colorado City



- Big Spring, & Sandy Oaks opened in the last two weeks

Q1 – 2025 Texas NEVI Usage Report

- 3 Stations open the entire quarter
 - 3,170 charging sessions
 - 106 MWh of energy dispensed
 - 170 kW average peak power per session
 - 23 minute average charging session length
- That's 408,000 zero emission Vehicle Miles Traveled (VMT)
- And a reduction of 363,000 pounds of CO2 (165 metric tons)

[EV Landing Page](#)

Texas electric vehicle planning

The Texas Department of Transportation (TxDOT) will continue to be open to questions and comments as it continues with the NEVI program, and those can be [submitted online](#). We encourage the public to visit this site for updates as the program progresses periodically. TxDOT thanks the public for its extensive input during the process and looks forward to working with you as it develops over time. We also encourage you to explore the links below for further details and interactive information about the progress of electric vehicle charging capabilities across the state.

Grant program results

TxDOT has completed the scoring and selection process for Phase 1 of the Texas Electric Vehicle (EV) Infrastructure Program and construction has begun for 29 charging sites across Texas.

- [Texas EV Charging Grant Program Results](#)
- [Texas Application Summary](#)
- [Map of 29 Stations Under Construction](#)

Questions about the program can be emailed to TxDOT_NEVI@txdot.gov.

EV infrastructure grants

These documents are published as a resource for projects underway.

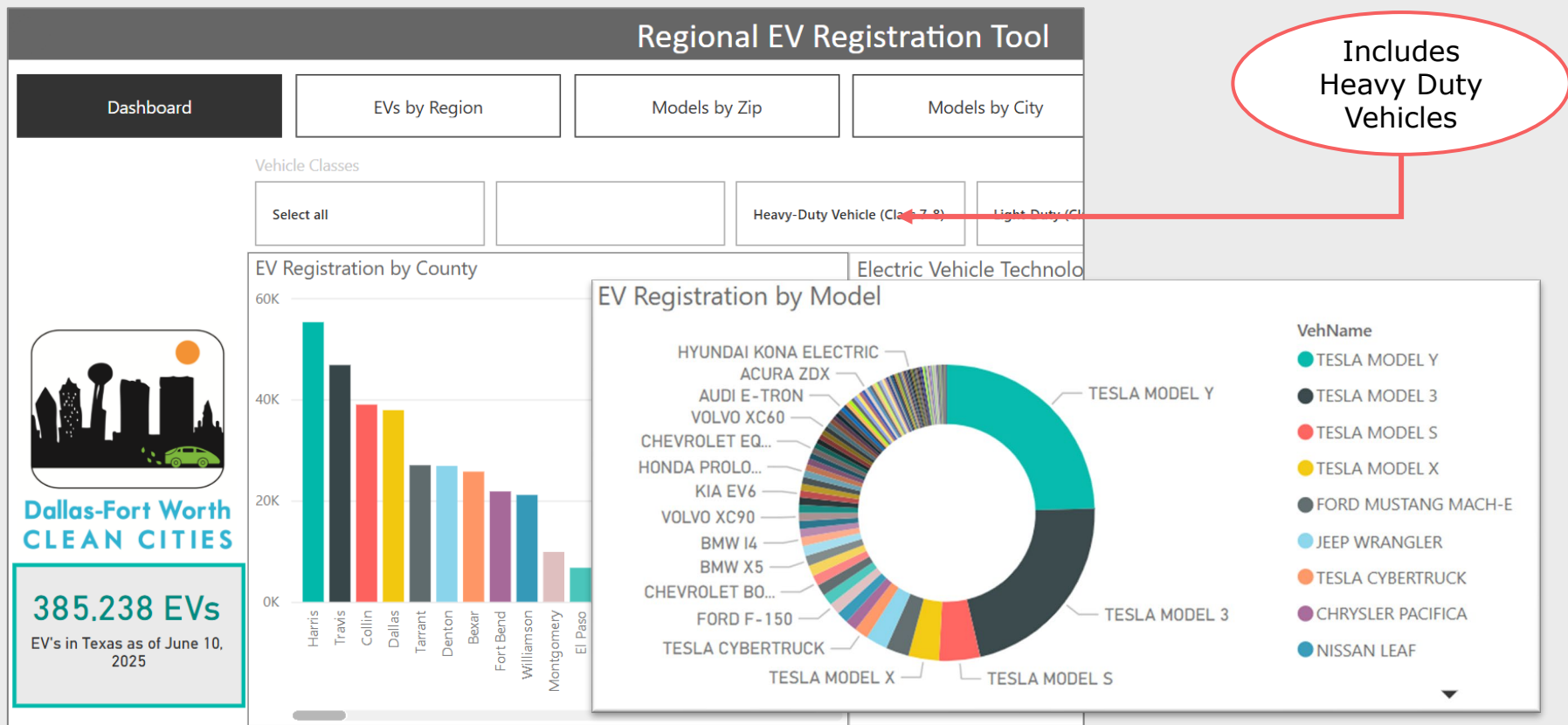
- [Texas EV Implementation Plan FAQ](#)
- [Texas EV Plan](#)
- [Grant Application](#) [↗](#)



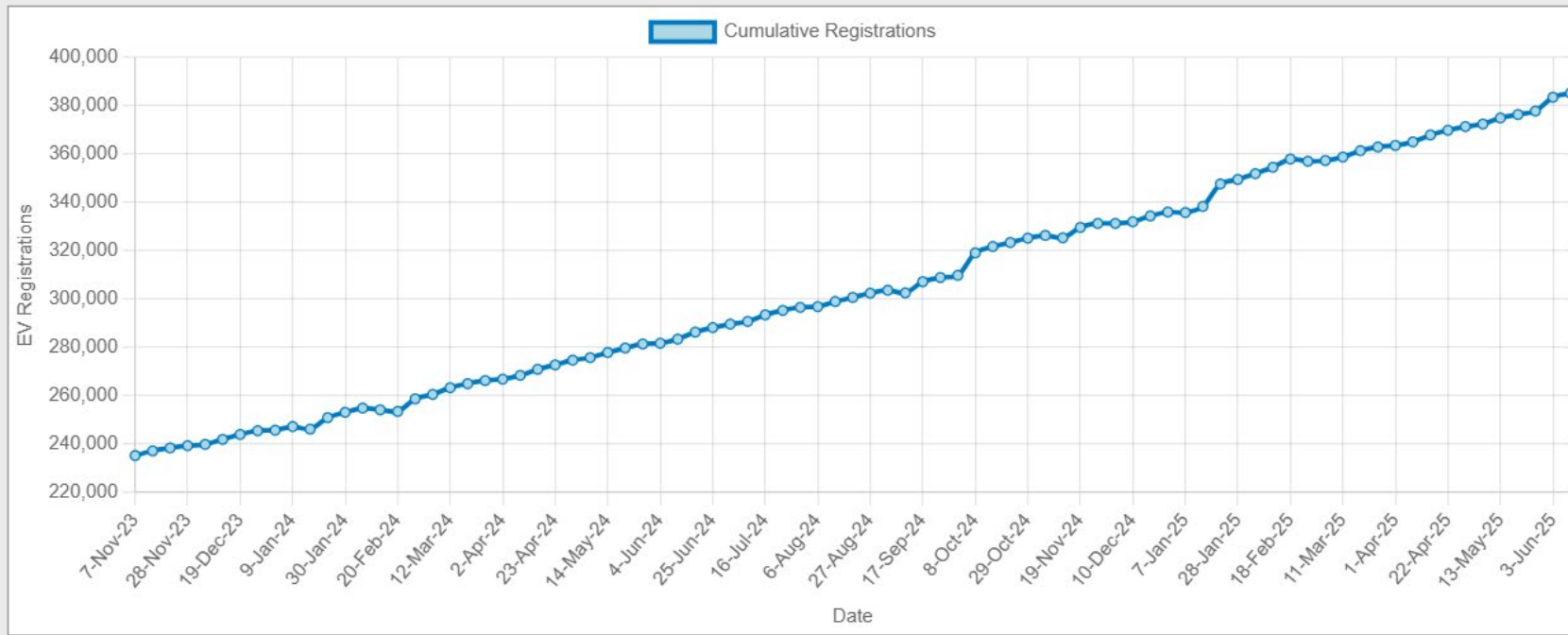
Subscribe to updates

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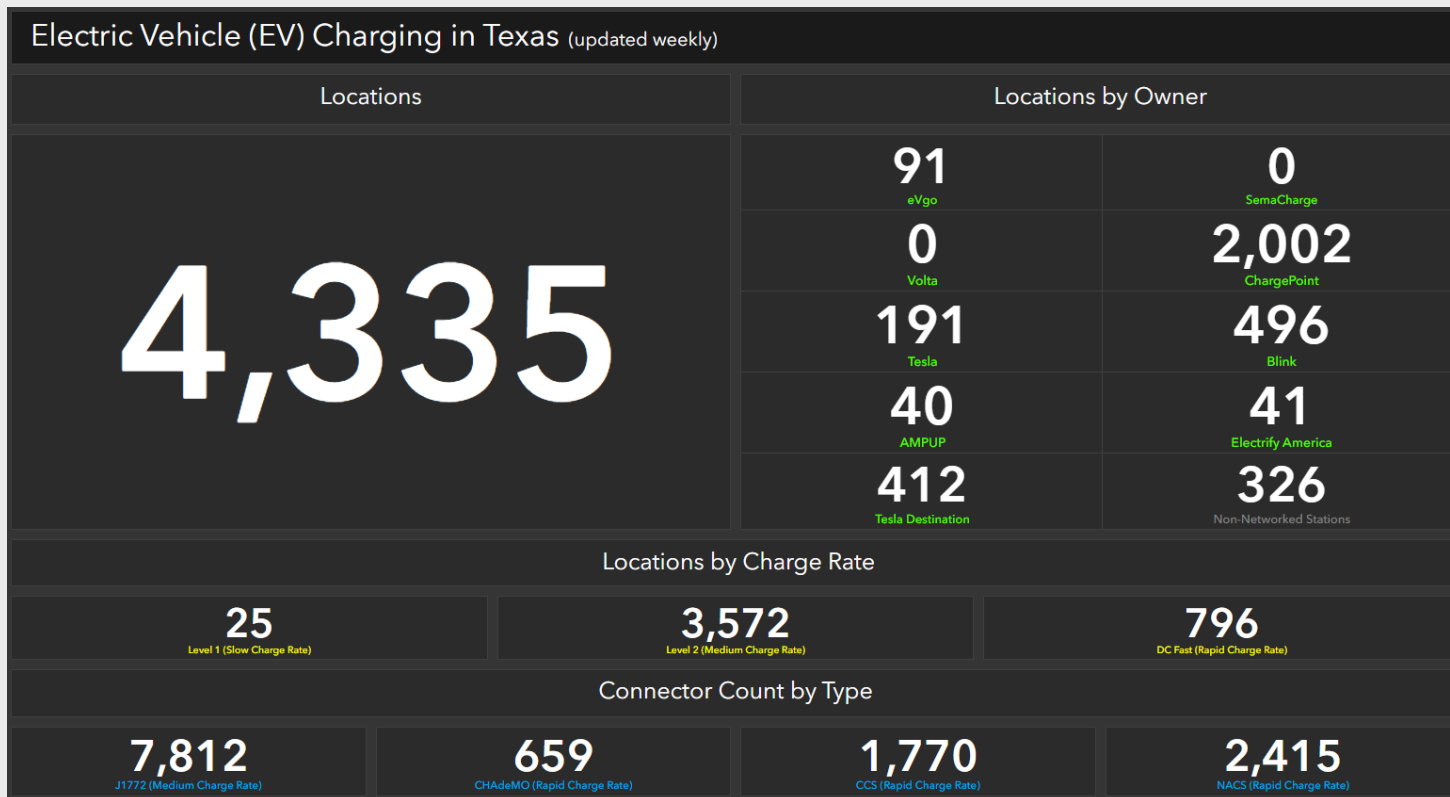
EV Registration Dashboard – Battery and Plug-In Hybrid



EV Registration Summary - Nov 2023 to June 2025



Charging Station Summary – Over 12,000 plugs in Texas



[EV Tips Page](#)

EV charging stations

Charging guide

How to charge



Level 1:

- Standardized connector.
- At home using a normal wall outlet; cable included with car.
- Slow charge rate; 3-5 miles per hour.
- Useful for drivers traveling 40 miles or less daily; level 2 preferred available.



Level 2:

- Standardized connector.
- At home using a dedicated charging station.
- Medium charge rate; 15-30 miles per hour.
- Useful for drivers traveling 100+ miles daily.



DC fast charging:

- Three connector types; CCS, CHAdeMO, Tesla.
- Just off the highway using dedicated high power stations.
- Fast charge rate; 150-400 miles per hour.
- Useful for long distance driving 300+ miles daily.

Efficiency

- Driving an electric vehicle in Texas is like driving a gasoline car that gets [76 mpg](#); depending on EV efficiency.
- Electric vehicles produce [60 percent fewer CO2 emissions](#) compared to internal combustion vehicles.
- Electric vehicles get cleaner over time as the electrical grid gets cleaner.

How full to charge

- For improved battery longevity maintain charge between 20% and 80% when possible.
- Normal daily driving charge to 80%.
- Before long trips charge to 100%.
- While on long trips don't charge to 100% at DC fast charging stations; only charge what you need to get to your destination, usually 80% or less.
- Don't let your battery sit at 0% or 100% for long periods of time.

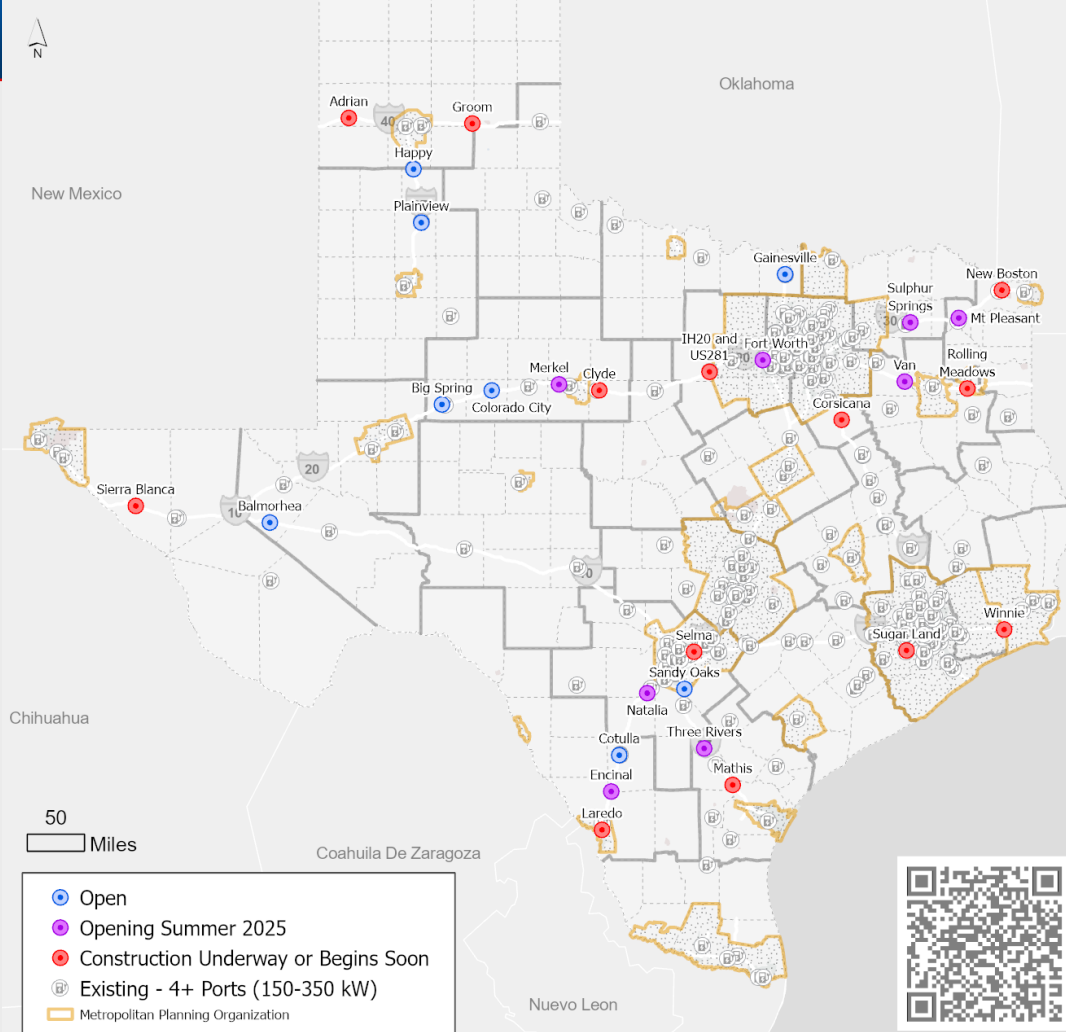
Financial

- The State of Texas offers a \$2,500 rebate for buying an electric car. [Texas EV Rebate Program](#); 2,000 applications accepted per year.
- The [US Federal tax credit](#) is now a point-of-sale reduction at the time of purchase for buying an electric car that is made in the US and meets battery components/critical minerals requirements.
- Federal tax credit requirements on income and battery components/minerals do not apply to leased vehicles.
- Electric vehicle drivers save \$500-\$1,500 per year in refueling costs compared to gasoline.
- The annual registration fee for electric vehicles in Texas is \$200.
- Auto manufacturers are estimating 40 percent reduction in maintenance costs over the life of electric vehicles.
- Many electric utility providers offer reduced rate plans for night time hours; this is when you should charge your car.
- Rebates exist for the installation of charging stations at homes and businesses; check with your local utility provider.

Trends

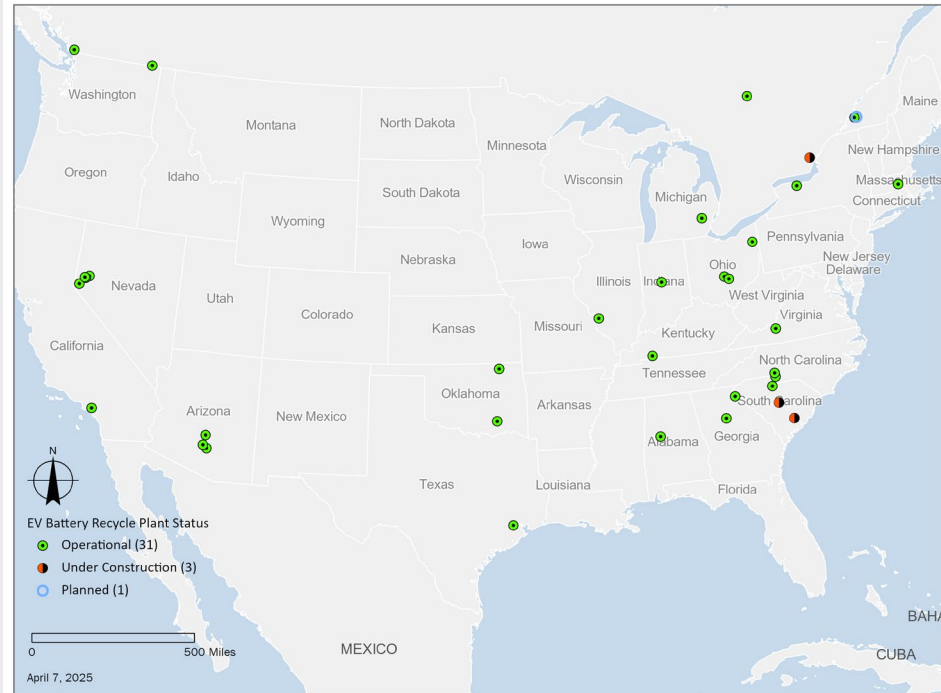
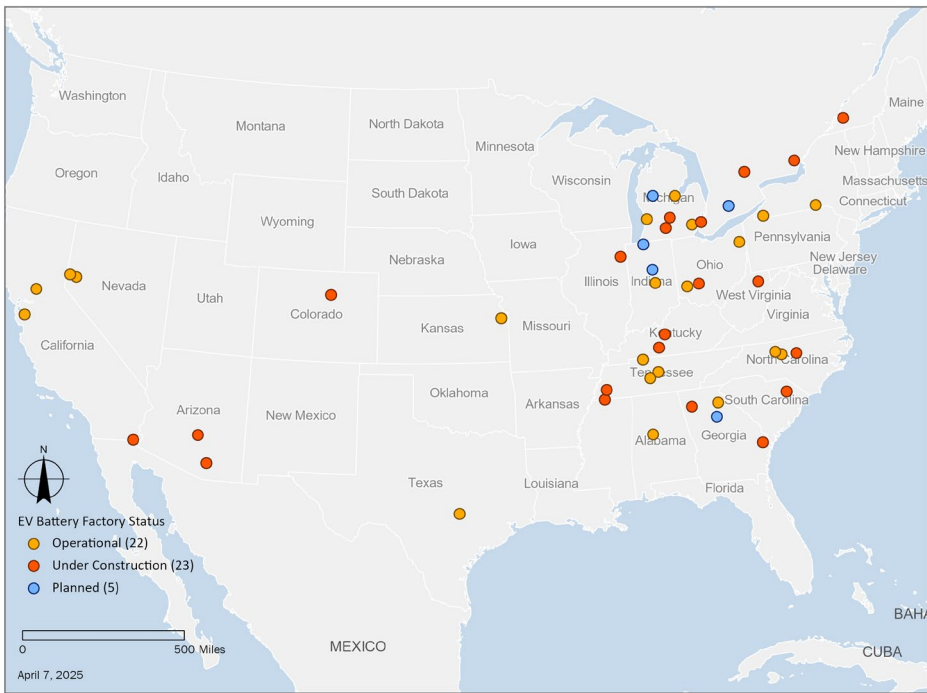
- Texas adding **2,000 +/-** EVs week
- US battery manufacturing capacity est. at **1,128 GWH** year by 2027
 - Capacity for **14.7M** EVs/year
- US 2024 sales **15.9M**
 - **1.27M** EVs
 - **324K** Plug-In Hybrid
 - **1.5M** Mild Hybrid (no plug)
- Peak ICE **17M** in 2017
- The Home Depot example
- Best selling car in the world

Texas EV Plan



Battery Factories

Battery Recycling Factories

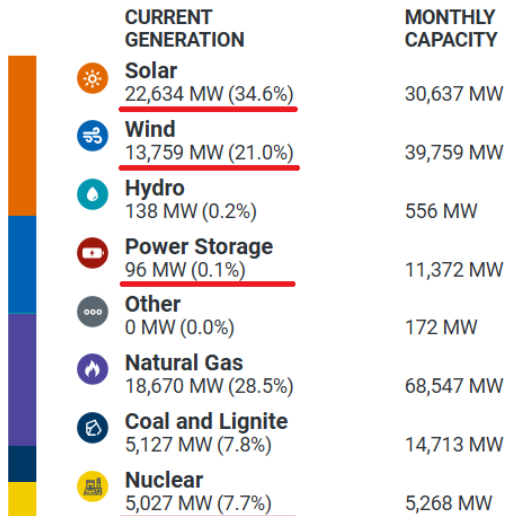


Electrical Grid Fuel Mix

Supply/Demand

Fuel Mix 63.4% Zero Carbon

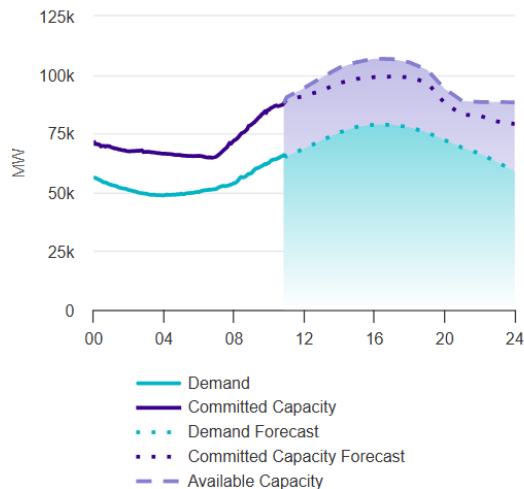
Last Updated: Jun 2, 2025 10:46 CT



[Previous Day](#) | [Real-Time](#) | [Current Day](#)

Supply and Demand

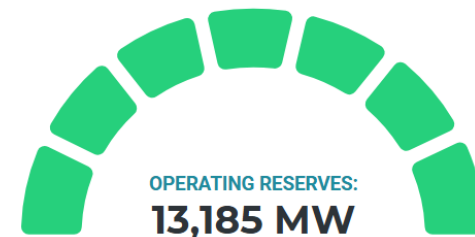
Last Updated: Jun 2, 2025 10:50 CT



[Current Day](#) | [6-Day Forecast](#)

Grid Conditions

Last Updated: Jun 2, 2025 10:51 CT



NORMAL CONDITIONS

There is enough power for current demand.

[Operating Reserves](#) | [Daily PRC](#)

Thank You!

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Much more found here:

[EV Program Landing Page](#)

