

Austin Energy Transportation Electrification Executive Overview

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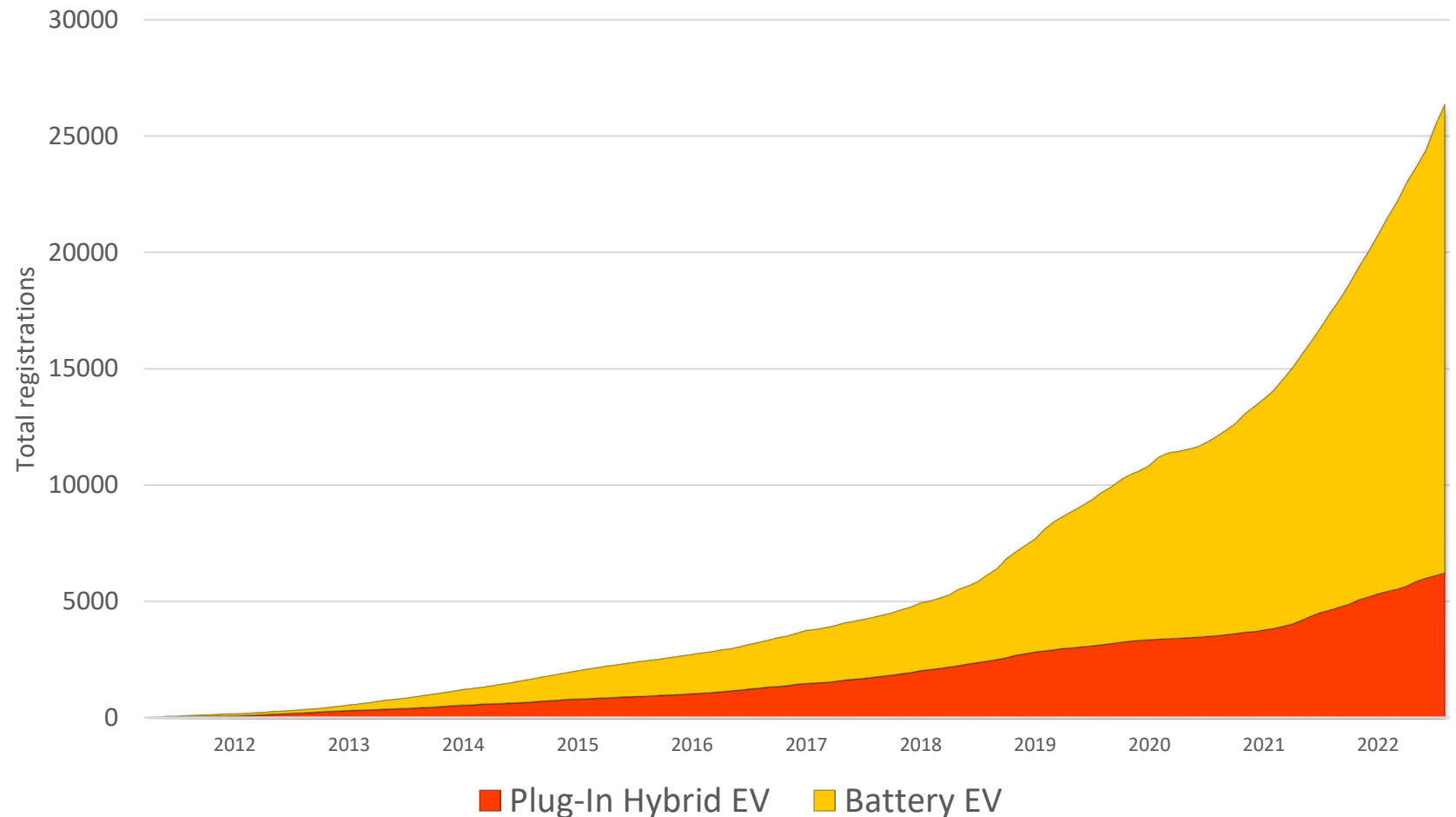
Strong Electric Vehicle Growth in Austin

Moving the needle on transportation emissions

26,389 EVs

in the Austin metro

EVs are now over **11%** of all new vehicle registrations in Austin



Austin Energy's 5-Pillar Transportation Electrification Strategy



Charging Infrastructure



Equity & Affordability



Fleets & New Mobility



Outreach & Education



Grid Integration

Charging Infrastructure



Plug-In Austin Infrastructure Rebate Program

For home and public stations



Plug-In EVerywhere™ Driver Program

Access to over 1500 Level 2 ports



DC Fast Charging

30 stations in network





Where EVs Are Charging

80% at home

Mix of Level 1 and Level 2 charging

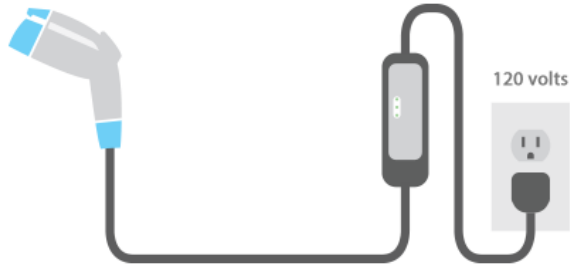


20% at public stations

mix of Level 1, Level 2, and DC Fast charging

"Right-Sizing" Charging Infrastructure

Level 1 Charging



120 volts

1 kW

3-4 miles of
range per
hour

Level 2 Charging



240 volts

6.6
kW

20-26 miles
of range
per hour

DC Fast Charging



480 volts

50-
300+
kW

15 - 45
minutes

DEPLOYMENT COST

LEVEL 1:

\$100 per plug/port
and in many cases already
available

LEVEL 2:

\$1,800 per port (home)
\$4,500 per port (public)

DC Fast:

\$100-200k per port

APPLICATIONS

Residential, overnight
charging

Multifamily, Workplace,
Retail, Fleets

High Mileage
Applications, Connecting
Corridors, Multifamily,
Medium/Heavy Duty EVs

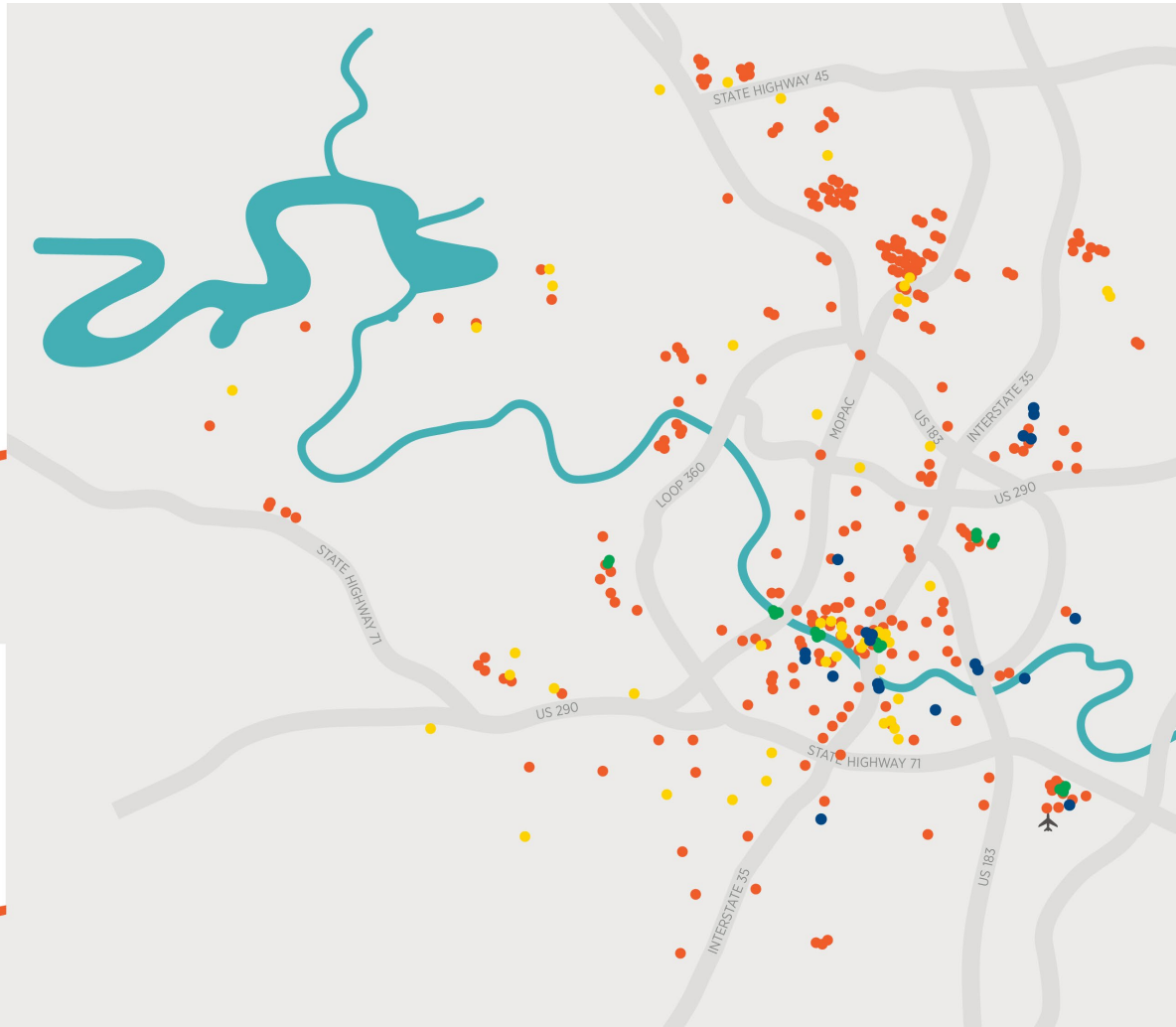


Charging Network

**Plug-In
EverywhereSM
and Plug-In
FastSM
Charging
Stations**
pluginaustin.com

- PUBLIC PARKING
- MULTIFAMILY
- PLUG-IN FAST CHARGER
- CITY OF AUSTIN FLEET

Powered by 100% renewable
energy through Austin Energy
GreenChoice[®]



By the Numbers

- 1,542 Level 2 Charging Ports
- 30 DC Fast Charging Stations

Ownership and Operations

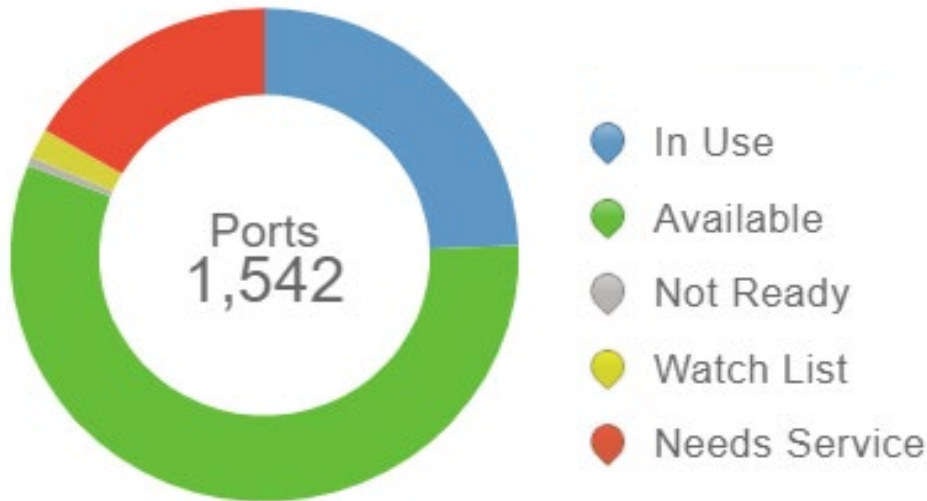
- 19% Austin Energy
- 81% Private – participate in the Austin Energy network



Charging Network Health

Station Maintenance

- Industry wide – known and well-documented issue with multiple root causes.
- Within the local network
 - 28% outage rate – January 2023
 - 17% outage rate – Current



*Data supplied by ChargePoint Network Portal

Next Steps

- Preventative maintenance and diagnostics
- Communications with private station owners
- Austin Energy stations
- Extended warranty/service plans
- Exploring alternate inventories of available replacement part suppliers



Equity & Affordability

E-Bike Rebate & MetroBike Expansion

- Rebate doubled on January 1
- Increased rebate (\$1,300) for CAP customers

EVs for Schools Program

Educational Living Lab including charging infrastructure and curriculum at local schools



Get green for going green: Austin Energy to double its rebate for customers buying e-bikes

Heather Osbourne Austin American-Statesman

Published 7:00 a.m. CT Nov. 19, 2022

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Is your New Year's resolution to be more climate-conscious? If so, you might want to consider buying an e-bike during Black Friday after Austin Energy announced this week it would double its rebate program for electric bikes, scooters, mopeds and motorcycles.



Michael Natenberg and his children Parker, 4, and Sybil, 6, ride an e-bike home from Zavala Elementary School this month. Austin Energy is doubling its rebate program for customers who buy electric bikes, scooters, mopeds and motorcycles. Jay Janner / American-Statesman

Fleets & New Mobility



Powering the City's Fleet

- Now 275 EVs (and growing)
- Savings tracking 50% ahead of projection
- New “Quick-Turnaround” EV charging station permitting process

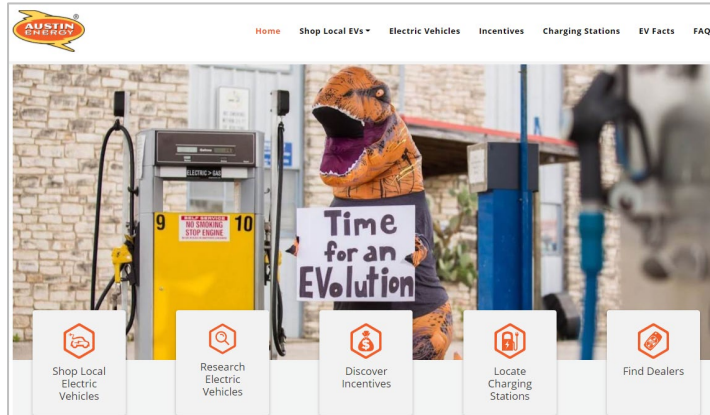


Bus Electrification

- Capital Metro
- Fleet and Infrastructure Rate Developed

Outreach & Education

EV Buyers Guide



EV.AustinEnergy.com

- Real-time local inventory
- New and used EVs
- English and Spanish



Electrify Expo



Experiencing Electric Mobility

- 13,411 Attendees
- 4,232 In-vehicle EV demos
- 10,695 Micro-mobility demos total:
 - 7,338 E-bike demo rides
 - 1,265 E-scooter and E-skate
 - 2,092 Kids Zone demo rides

EVs for Schools



Mentoring Future Leaders

"I received excellent feedback from the students, and they were excited about possible career opportunities associated with renewables!"

— Akins STEM Engineering Teacher

EV Grid Integration

Managed Charging

- EV360 – Residential off-peak pilot
- Power Partner demand response program – active charge management
- Vehicle to Grid pilot – part of larger energy storage project



Collaboration = Success

Community

- TX Electric Transportation Alliance
- Austin Forum on Technology & Society
- Foundation Communities
- Austin Pathways/Smart Mobility Ambassadors
- American Public Power Association
- TX Public Power Association
- TX Energy Poverty Research Institute
- Austin Auto Dealership Association
- Local E-Bike retailers

Education

- Austin Independent School District
- Pflugerville Independent School District
- Del Valle ISD
- EcoRise
- Huston-Tillotson University
- University of Texas LBJ School of Public Affairs
- Bike Texas
- Austin Community College

Government

- City of Austin
- Housing Authority of the City of Austin
- Travis County
- Congressman Lloyd Doggett's Office
- CapMetro
- Texas Commission on Environmental Quality
- US Department of Energy



Electric Vehicles & Emerging Technologies Team





**Customer Driven.
Community Focused.SM**

