Electric Vehicles and Emerging Technologies

2021 Fiscal Year Annual Report (Oct 1, 2020 - Sep 30, 2021)

Another benchmark year in Austin's EVolution toward electrified transportation.

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FY 2021 Overview
Another benchmark year for Austin EVs

Word has gotten out. Austin Energy’s aim has been to make electric vehicles accessible to EVeryone, and in 2021 Austinites responded, participating in EV programs and registering new EVs in record numbers.

Industry continues taking note by recognizing Austin as a top 5 city in the nation to own an EV - based on stations per capita, incentives, and low-priced electric-fuel.

The EVolution to go electric is in full swing in Austin, Texas!
EVs by the Numbers

16,800
EVs Registered in Austin

30
DC Fast Charging Stations

1230
Plug-In Everywhere Charging Ports

5.2%
2021 Registered Cars are EVs

100%
StEVie Factor

124,000
EV Buyers Guide Views
EV Market Share of Vehicles Registered in Austin

Annual EV adoption keeps ramping up

According to the Electric Power Research Institute (EPRI), in 2021 Austinites continued making the transition to electric vehicles by registering 3,418 of them.

This new annual record represents the largest percentage of EV registrations in a single year since tracking began in 2010.
16,800 Austin EVs is a new peak

Record EV registrations in 2021 also means that there are currently more EVs being driven in Austin than ever before.
Austin Energy Industry Leadership

EV Buyer’s Guide racks up accolades

Smart Energy Consumer Collaborative (SECC)’s 4th annual Best Practices Award!
Chartwell Communications 2021 Best Practices Award – Gold Communications
Smart Cities Smart 50 2021 Awards Winner!
Rockstar Women Leaders

EV/ET Team members recognized as ‘Top Women in EV’ as part of the global EV Summit 2021

Amy Atchley | EV Equity Program, Senior Lead Austin Energy

"My work in the EV industry has provided a pathway to influence an inclusive environment so communities are not left behind as emerging technologies become pervasive. Technology, historically a male-dominated sector is evolving with endless opportunities for women in leadership roles. I’m honored to be a part of this movement."

Shems Duval | EV Infrastructure Project Manager Austin Energy

Shems Duval has worked for Austin Energy since 1999, and is now the primary architect of their Electric Vehicles Program. She has seen numerous successes throughout this period, such as having designed and rolled out Austin Energy’s award-winning Plug-in EVeverywhere Program for public charging of electric vehicles in 2010. Shems began her EV journey in 2010 as one of the original leaders tasked with expanding EV deployment in Austin. Her proudest achievements at Austin Energy include designing one of the most advanced electric vehicle programs in the country, launching 30 DC Fast stations, over 1000+ Level 2 charging stations, and a public electric mobility hub in the heart of downtown Austin.
Electric Vehicles & Emerging Technologies Team

TEAM MANAGEMENT
- Head Coach
- Facilitator for Innovation

STRATEGY & PILOTS
- Electrification
- Policy Support
- DER Roadmap

PROJECT MANAGEMENT
- DC Fast Deployment
- Fleet Consultation

ENGAGEMENT
- Outreach Events & Campaigns
- Equity & Inclusion

OPERATIONS
- Network Management
- Rebates & Enrollments
- Customer Support

Cameron Freberg
Jeremy Adelman
Shems Duval
Clay Wilson
Amy Atchley
Bobby Godsey
StEVie
Lindsey McDougall
Nathan Richardson
Lilly Justman
EV Programs
Austin Energy’s “5 EV Pillars Strategy”

Charging Infrastructure

Equity & Affordability

Fleets & New Mobility

Outreach & Education

Grid Integration
Plug-In Austin!

Plug-In EVerywhere is Austin Energy’s public Level 2 EV charging network.

Austin’s EV drivers can charge at 1,230 Plug-In EVerywhere Level 2 stations for only $4.17 a month, and at 30 Plug-In Fast, DC fast chargers for $0.21 per minute.

Austin Energy is keeping electric vehicle drivers energized with the deployment of 8 new DC fast chargers at 811 Electric Drive.
Customers choose to “Plug-in”

EV drivers from Austin and the surrounding communities continue signing up for monthly access to Austin Energy’s robust charging network at a price that’s accessible to EVeryone.
Cumulative Charging Station Port Installations by Year

Station host partners make it possible

Austin Energy’s Plug-In charging network is made possible through partnerships with community station hosts throughout the city. These hosts increase access to charging for EV drivers while shopping, at work, or at home in participating apartments and condos, adding to the stations Austin Energy has deployed as well.
Plug-In Everywhere™ and Plug-In Fast™
Charging Stations
pluginaustin.com

$4.17/month
Unlimited access to over 1,200+ Level 2 charging ports
Plug-In Fast costs $0.25/minute

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

Powered by 100% renewable energy through Austin Energy
GreenChoice®
Plug-In EVerywhere Energy Usage
Level 2 Charging Stations
Plug-In Fast Energy Usage

DC Fast Charging Stations
Home Rebates

Austin residents get a rebate for a faster charger!

Austin Energy offers EV owners a rebate of up to 50% of the cost of installing a Level 2 charger at home.

Level 2 charging is about 6 times faster than charging with a regular wall outlet.
Cumulative Home Charging Station Rebates

Fueling up a car has never been more convenient

In 2021, Austin Energy supported 388 customers installing level 2 charging at home.
Austin Energy is working with local auto dealerships to help Austinites interested in EVs learn more about locally available vehicles.
Award winning program supporting EV buyers

Austin Energy launched Phase 2 of the EV Buyer’s Guide in December 2020. The first utility program of its kind in the country, Austin Energy worked with 9 community auto dealerships to provide real time inventory of new and used EVs. This has resulted in more than 150,000 people learning about EVs, almost 6,000 new EVs in Austin, and industry recognition of the success of the program.
Available EV models continue to grow

More EVs are being registered in the Austin metro area as more choices in EV models are introduced into the market.

According to Consumer Report auto manufacturers are set to introduce almost 100 new EV models by 2024.
City of Austin’s EV Fleets have already saved 2,826 metric tons of CO2, all while reducing fuel and maintenance costs by more than 50%.
Supporting City of Austin Fleets

Powering up EV fleet charging stations

Austin Energy has installed over 125 electric vehicle charging stations dedicated to City of Austin fleet vehicles.

This is in support of 250 (and growing) EVs already in service by the City of Austin.
Electrifying Austin’s Bus Fleet

In partnership with Capital Metro, Austin Energy has developed a robust charging depot to support a portion of the 400 electric buses planned for service in Austin (the most of any city in North America).

The Capital Metro North Ops Depot is the location electric buses charge overnight.

Additional on route charging options are also being developed.
Equity has taken center stage last year with a focus on E-Mobility.

Austin Energy is innovating access to eBikes with Housing Authority of the City of Austin (HACA), and inspiring students at AISD with opportunities to learn about electrified transportation.
EBikes are for EVeryone!

Austin Energy offers eligible individuals up to $300 to purchase a qualifying eBike, scooter, moped, motorcycle, or other two or three wheeled electric vehicle.

In 2021, 373 E-Ride rebates were issued to Austin residents!
Innovating eBike Infrastructure for Apartments & Condos

eBike Charging Stations!

Austin Energy with citizens and local business to develop a 1st of its kind infrastructure for eBikes. This proto-type was designed by industry experts - local business and fabricator using feedback from eBike participants. The goal is to provide more access to E-Mobility for apartments and condominiums.
EVs for Schools

Virtual Access to Electric Drive

As part of Austin Energy's EVs for Schools program, anyone can now access an animated video version of a virtual reality educational tool.

The video features a tour of Electric Drive — a real-life mobility showcase in Downtown Austin.
Reference


Pg. 5-6, Data from Electric Power Research Institute as of the end of July 2021 for Travis and Williamson Counties

Pg. 20, https://www.consumerreports.org/hybrids-evs/why-electric-cars-may-soon-flood-the-us-market-a9006292675/