

Climate Action Plan Workshops

Transportation Sector - Electric Vehicles and Charging Infrastructure

May 13, 2025



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Office of Sustainability



We need your input

What cleaner, lower emission transportation options would be more accessible and/or affordable for you?

EV Carshare Programs



EV Rideshare Programs



Electric Transit



We need your input

Are you interested in seeing more EV chargers installed at public owned properties, such as parks, libraries, airports, community and senior centers, and city owned parking garages?

Install Additional L2's and DCFC's on City Property



Status of Air Quality

American Lung Association gives Maricopa County an **F** in the 2024 - AZ State of the Air Report

If you live in Maricopa County, the air you breathe may put your health at risk.

Ozone



Particle Pollution 24-hour

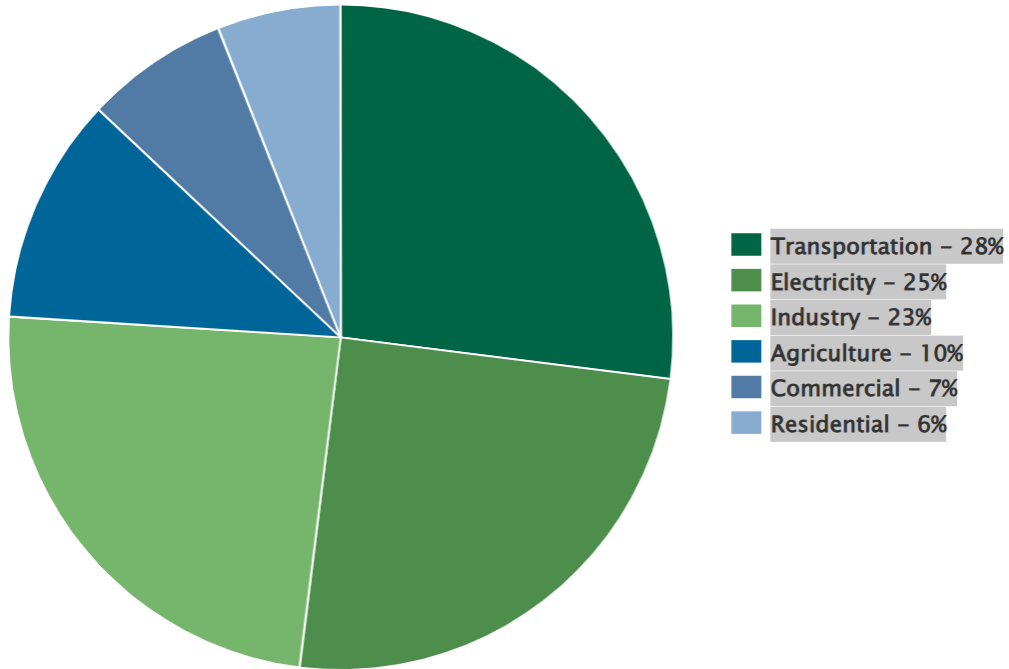


Particle Pollution Annual

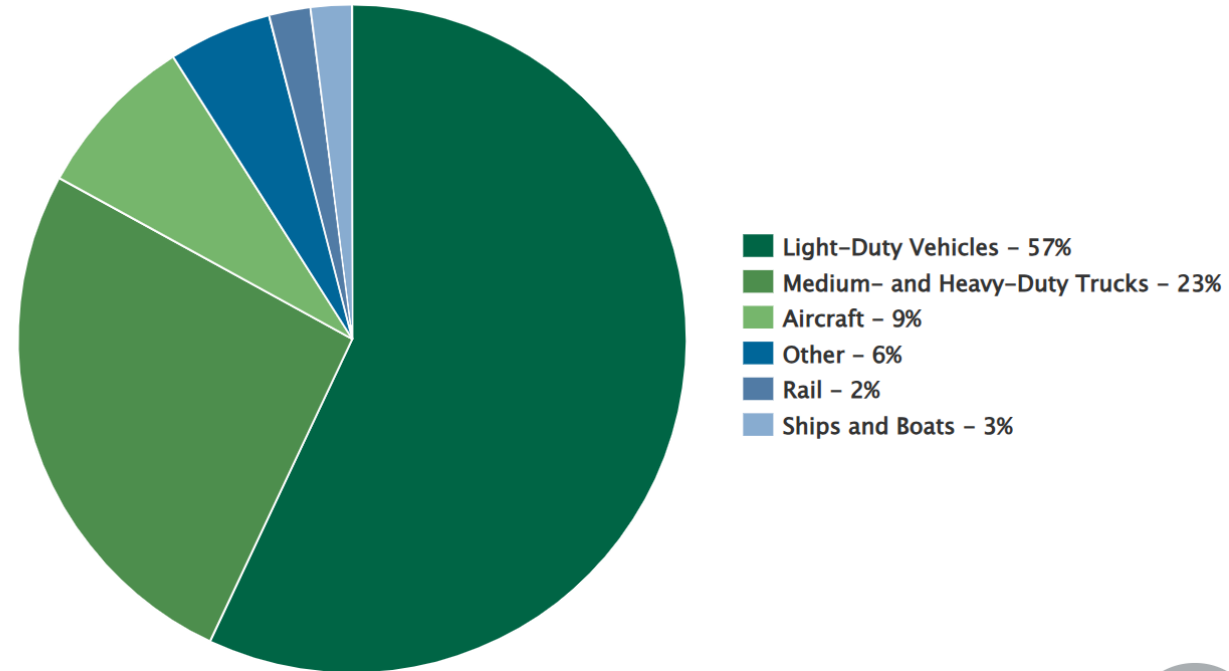


Status of Green House Gas (GHG) Emissions

2022 US GHG Emissions by Sector

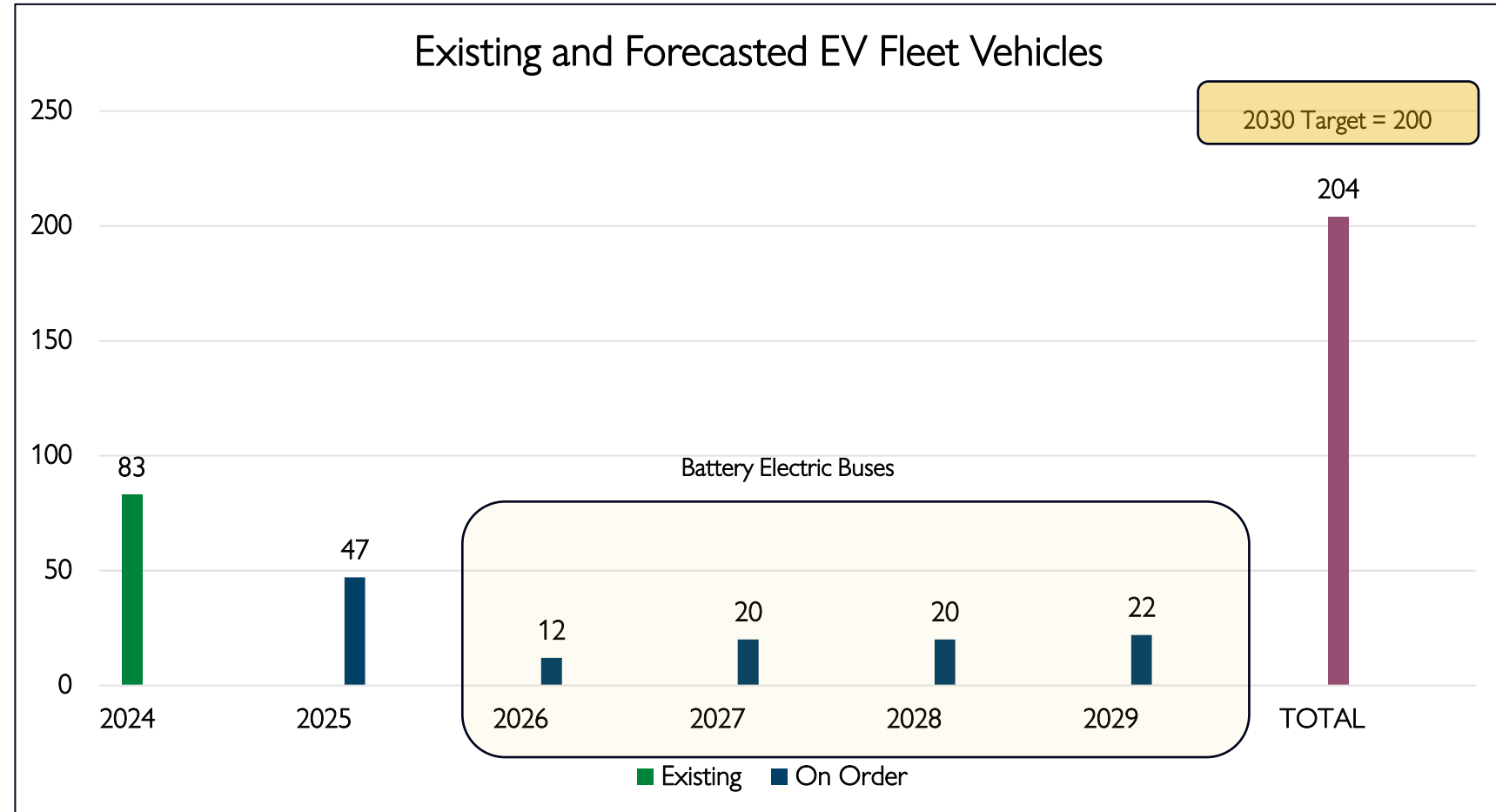


2022 US Transportation Sector GHG Emissions by Source



CAP Goal - Transportation

Goal TS2.1: Increase the community-wide use of low carbon fuels



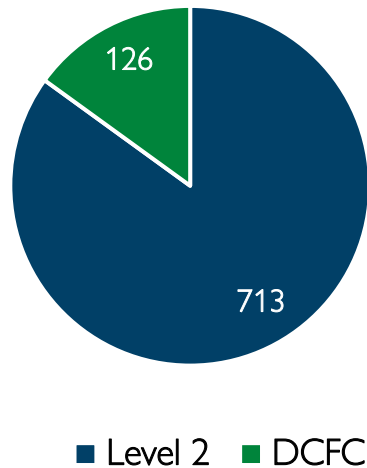
Source: City of Phoenix



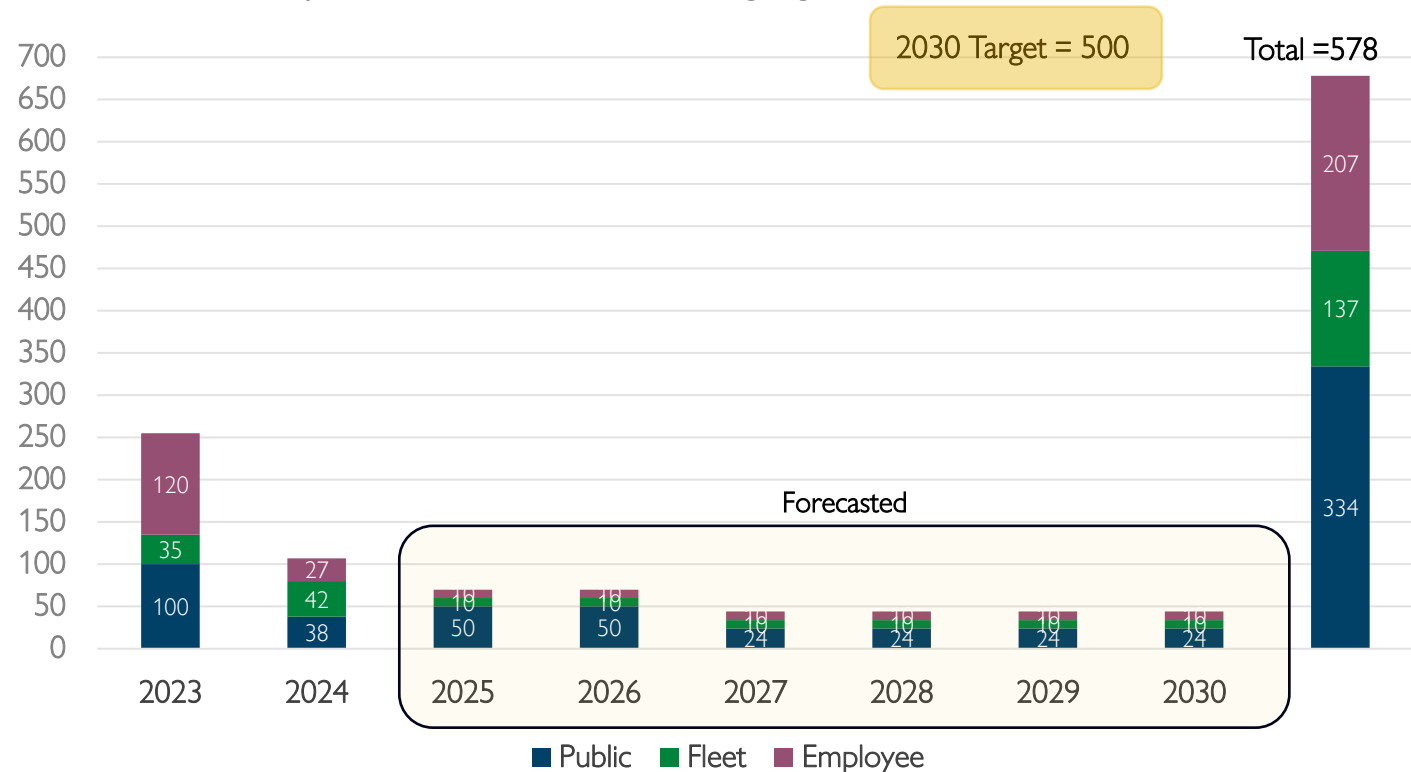
CAP Goal -Transportation

Goal TS3: Rapidly accelerate EV adoption in the community and expand publicly accessible EV charging infrastructure throughout the city to result in 50% of all vehicle sales being EVs by 2030

2024 Phoenix EV Charging Ports - Public & Private Investment

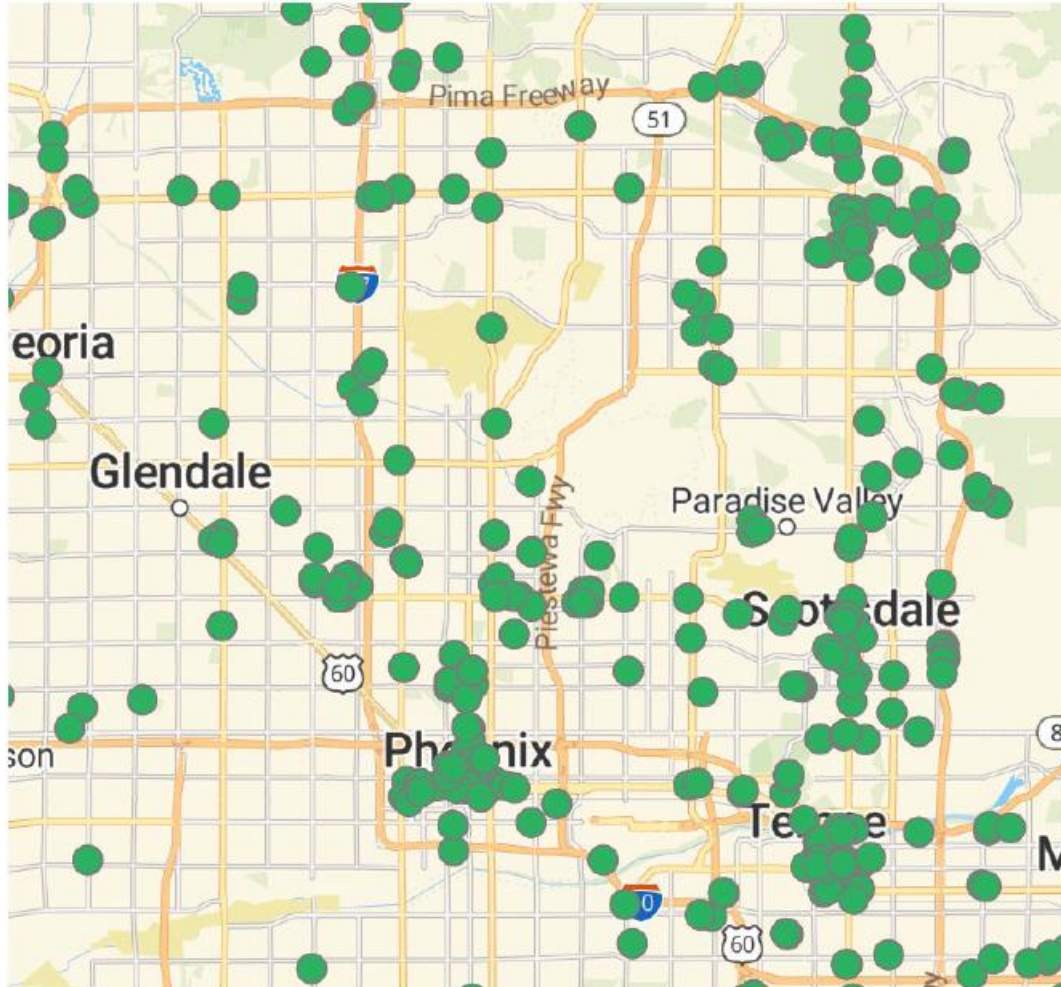


City of Phoenix - EV Charging Actuals & Forecast



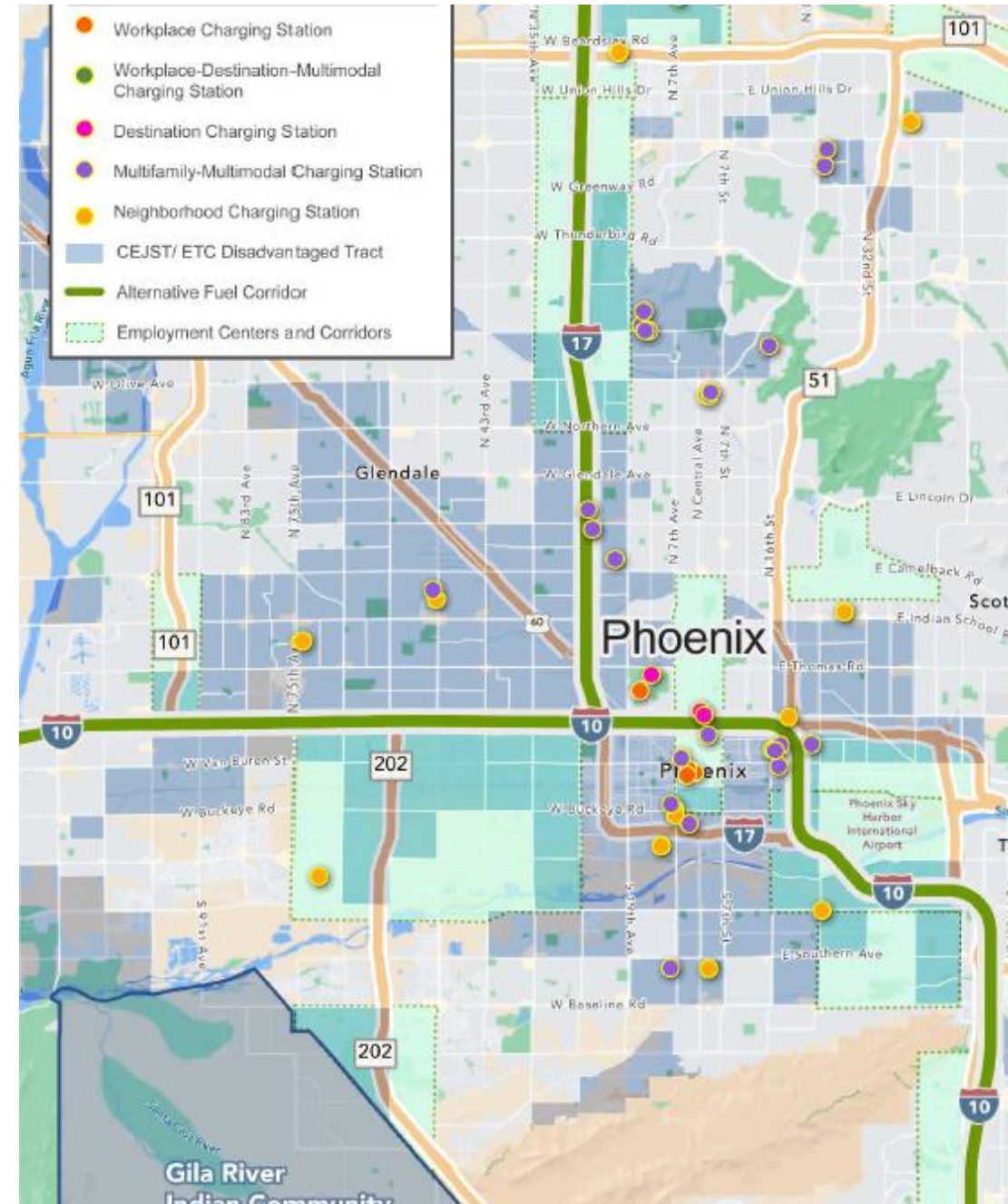
Electric Vehicle Charging – Existing & Proposed

Existing EV Charging



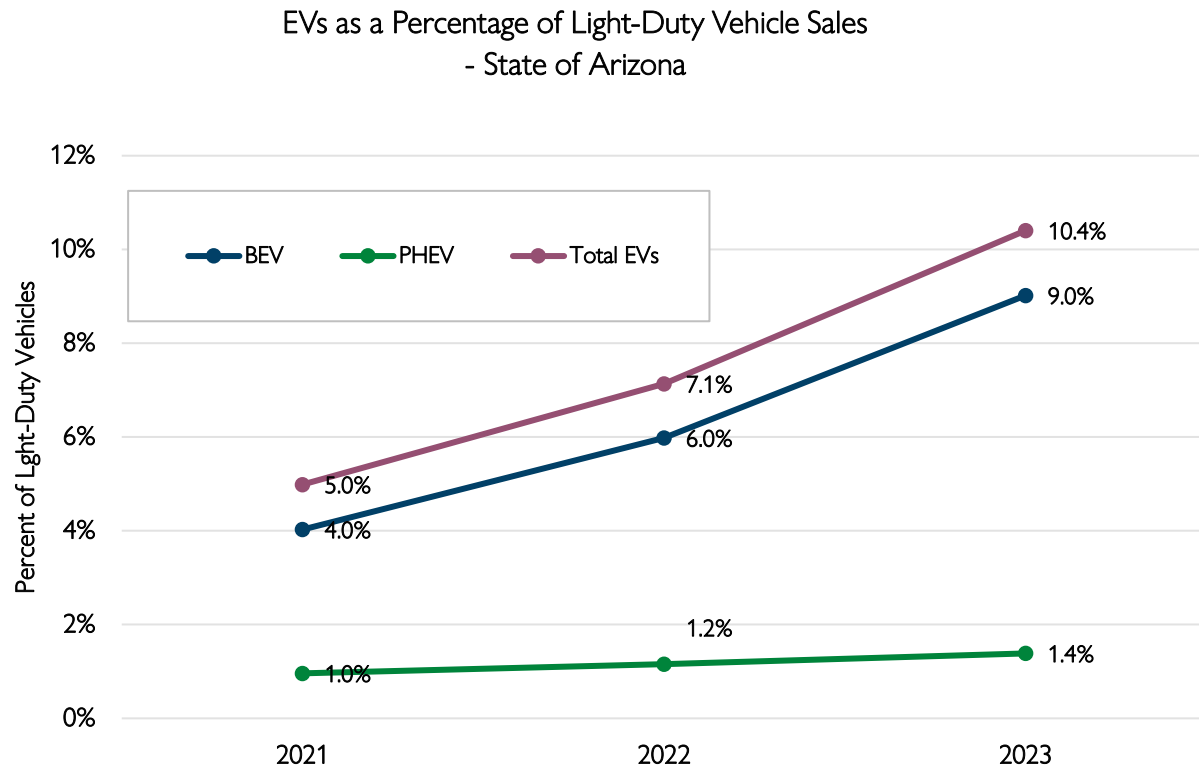
Source: U.S. Department of Energy Alternative Fuels Data Center, Alternative Fueling Station Locator
Note: Green circles indicate EV charging stations.

Proposed EV Charging



CAP Goal - Transportation

Goal TS3: Rapidly accelerate EV adoption in the community and expand publicly accessible EV charging infrastructure throughout the city to result in 50% of all vehicle sales being EVs by 2030



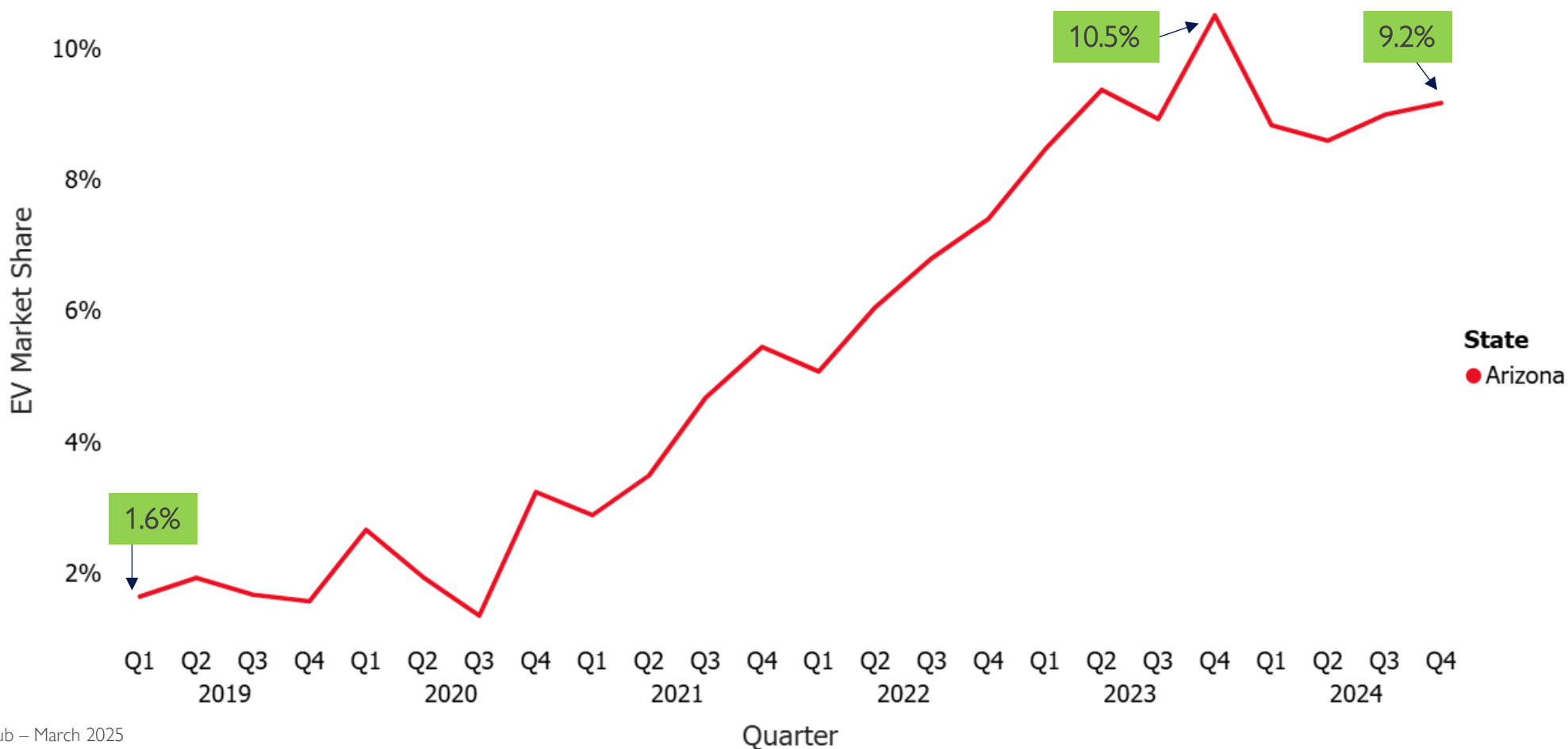
Light-Duty Vehicle Sales State of Arizona	2021	2022	2023
BEV	11,569	17,669	28,397
PHEV	2,759	3,408	4,361
All Other Vehicles	273,003	274,382	282,136
Total Vehicles	287,331	295,459	314,894
Total EVs	14,328	21,077	32,758

All Vehicles in Operation		2021	2022	2023
State of AZ	BEV	43,267	63,006	90,350
	PHEV	16,499	20,267	23,823
	All Other Vehicles	6,746,875	6,823,559	6,758,277
	Total Vehicles	6,806,641	6,906,832	6,872,450
	Total EVs	59,766	83,273	114,173



CAP Goal - Transportation

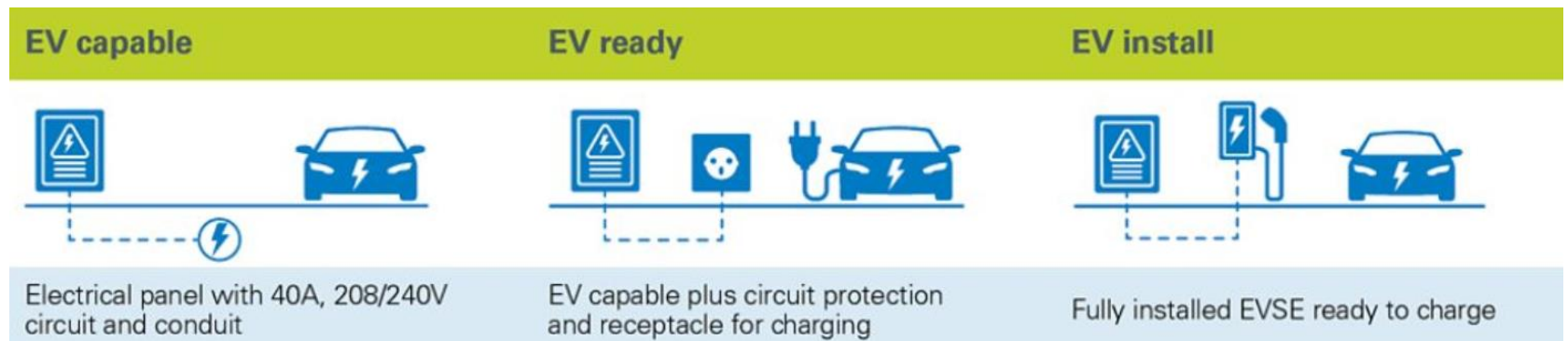
Goal TS3: Rapidly accelerate EV adoption in the community and expand publicly accessible EV charging infrastructure throughout the city to result in 50% of all vehicle sales being EVs by 2030



CAP Goal - Transportation

Goal TS3.2: Increase EV infrastructure development in single-family (SF), multi-family (MF) and commercial properties through incentives and building codes.

- **SF Building Codes** approved by Development Advisory Board – Building Code Subcommittee – March 27, 2025
- **Next Steps: Consideration for Approval:**
 - Development Advisory Board – date TBD
 - Transportation, Infrastructure and Planning Subcommittee – date TBD
 - City Council – tentative date – June 18, 2025

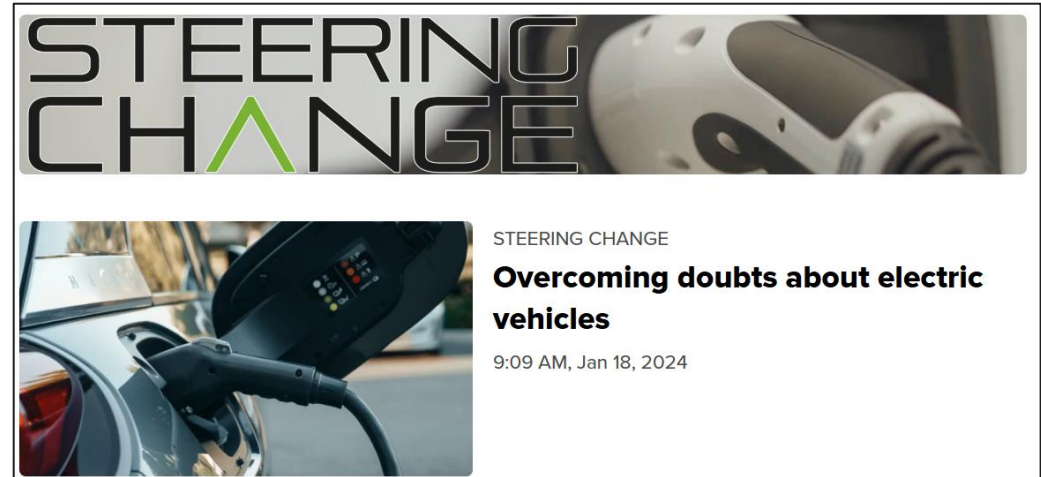




CAP Goal -Transportation

Goal TS3.3: Develop community outreach and EV engagement campaign and EV Roadmap Action Plan.

- Education and Outreach Activities
 - EV webinars
 - EV Ride n Drives
 - ABC15 – Steering Change campaign
 - Webpages (phoenix.gov/electricvehicles, and Electrifyarizona.org)
 - EV social media (Nextdoor, Facebook, Instagram, X)





CAP Goal -Transportation

Goal TS3.4: Implement equity principles into EV policies and programs.

- August 2022 - March 2023
- Outreach to 8 low-income, underserved community areas in Phoenix
- Spanish and English
- Gift cards, food, on-site child-care as needed
- 2 Phases
 - Listening sessions (8)
 - Transportation needs
 - Access
 - Affordability
 - Follow up (8)
 - Results
 - Pilot program

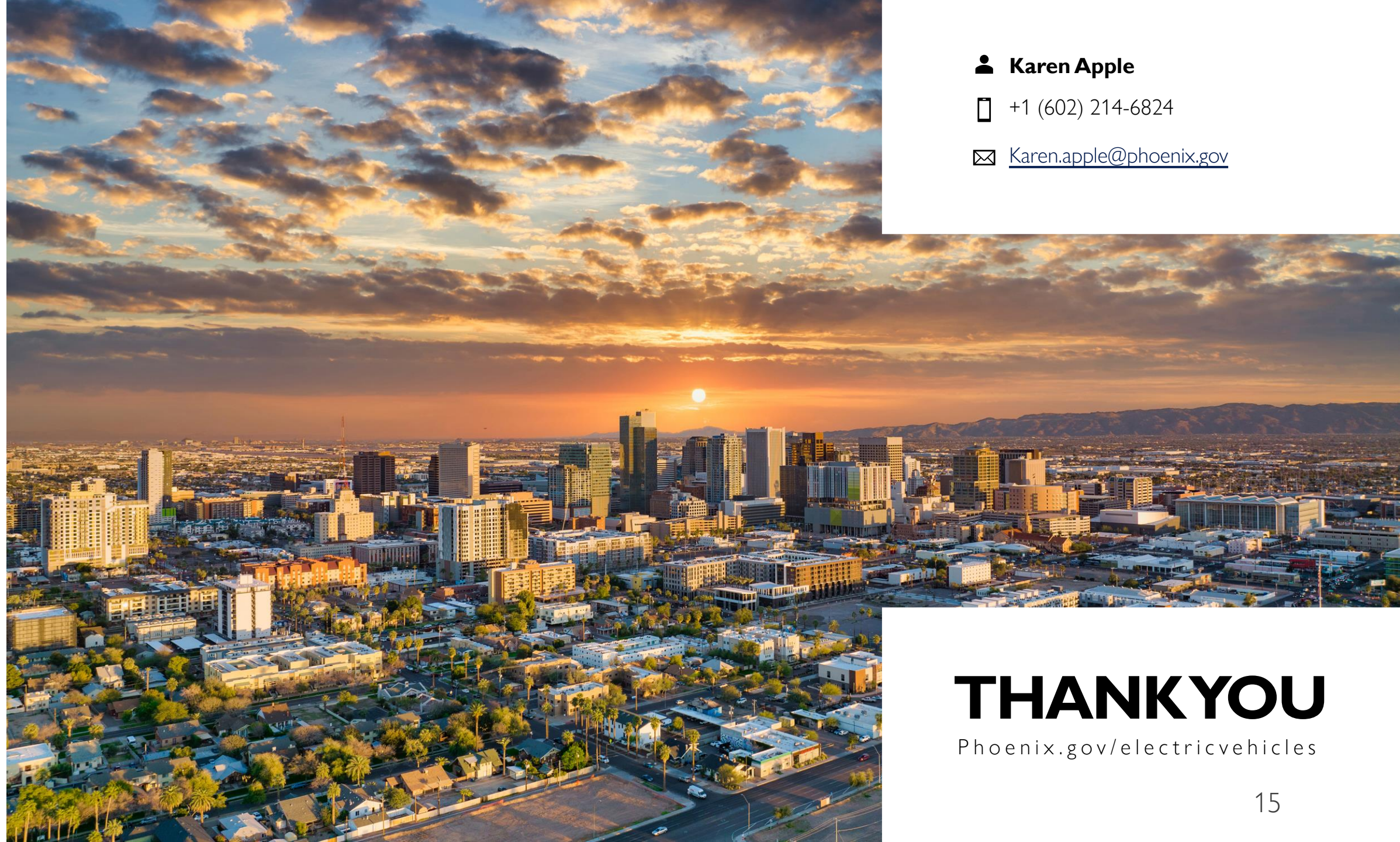


Advancing Electric Vehicle Solutions for a Sustainable Future


LOWER EMISSIONS, IMPROVE RESILIENCE

- Expanding EV charging network for the public.
- Developing cleaner, affordable and accessible transportation options for the underserved, low-income populations.
- Reduce greenhouse gas emissions in half by 2030.





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THANKYOU

[Phoenix.gov/electricvehicles](https://phoenix.gov/electricvehicles)