



Fleet Electrification: Update

City of Glendale Fleet Management

October 6, 2022



Glendale
ARIZONA

By Craig Croner

Discussion Topics

Revisiting | Information-sharing

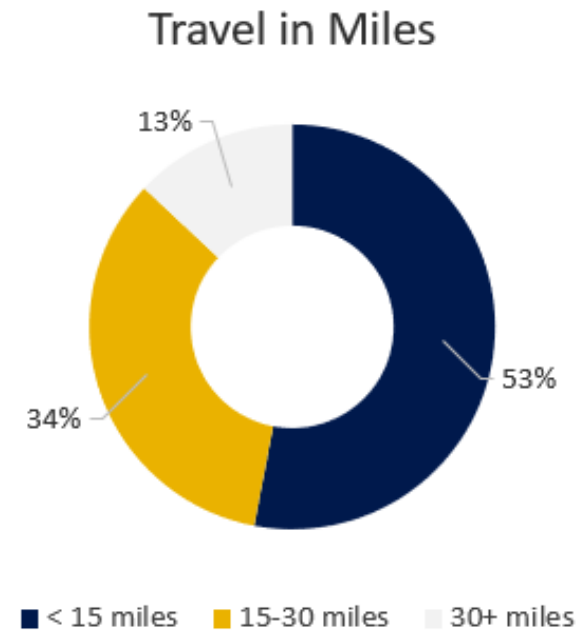
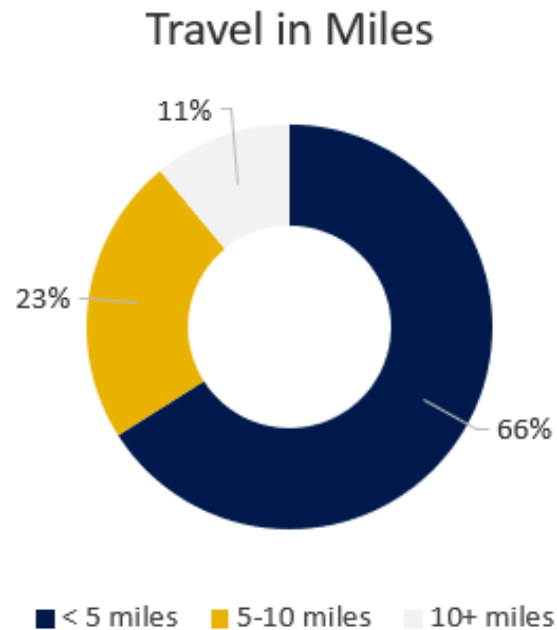
- Right-Size Pilot History
- Fleet Electrification
- Current Status of EV Program
- New Leader, New Vision



Fleet Right-Sizing Efforts

What data was gathered in our pilots?

Our first pilot group was Field Operations, and our second, Development Services.



Fleet Right-Sizing Efforts

What were the results of the pilots?

Phase I

- After tracking 3,300 miles of travel, collectively, 89% of all trips were within a 10-mile range

* Figures are from the Department travel type

Phase II

- Tracked almost 1,400 miles of travel, collectively, 53% of all trips were within a 15-mile range and 34% within 30 miles

What was the impact on our city staff and service delivery?

- Utilization increased with other Department vehicles, with the pilot vehicles being removed from use
- Staff adapted to the change, utilizing other vehicles, being flexible with schedules, and consolidating travel

Fleet Electrification

Where do EV's come into the picture?

- Travel documented in the pilots was almost exclusively for the movement of people, making EV's the ideal choice of vehicle
- EV's have lower O&M costs
- EV's are more environmentally friendly over time



Fleet Electrification

Where is our EV program currently?



We have a total of 20 EV's in our Fleet



Our EV Fleet has grown on average 27% year over year



We have a total of 13 charging stations

* This includes twenty charging heads and one mobile solar array



We have 31 city parking spaces dedicated to our charging stations, to encourage EV utilization

New Leader, New Vision

What is the future of our program & evolving strategy?

- New Fleet leadership, reevaluating our program, and redefining our strategy and goals
- Working more closely with Engineering and Facilities Management on infrastructure
- Fleet right-sizing & good stewardship in vehicle purchasing
- City-wide motor pool planning
- Developing a City Staff Engagement Strategy on EV adoption across the city





Thank You.



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