



Memo

To: Environmental Justice Subcommittee

Via: Cynthia Curry, City Manager

From: Malisa McCreedy, Transportation Director

Date: May 31, 2022

Re: Electric Vehicles

The following is to respond to the motion from the Environmental Justice Subcommittee regarding Electric Vehicles.

MOTION: Direct staff to inform the subcommittee at the June 7 meeting of:

1) Current goals or policies of the city as it relates to Electronic Vehicles (EVs) and innovations.

- Existing Fleet policy attached
- Adopted Perform GNV Plan 2021-2022
 - GOAL 2: MORE SUSTAINABLE COMMUNITY
 - Increase the use of electric vehicles in the City fleet based upon data and return on investment.

2) Submit a map on existing on EV stations to the subcommittee.

- Battery-powered vehicles make up 2.5% of the overall car market and total Florida Electric Vehicle registration is 58,160 vehicles.
- In Alachua County there are 72 EV sharing stations including 10 Superchargers in Butler Plaza (PlugShare.com). The main EV charging networks are ChargePoint, Tesla and SemaConnect.
- There are several websites with maps for locating existing EV charging stations i.e.:
 - <https://chargehub.com/en/Charging-Stations-Map.html>
 - <https://experience.arcgis.com/experience/984572ed531a4c3d981367b344c78bb5/page/Page/?rsource=https%3A%2F%2Flinks.esri.com%2FEVChargingStations>
 - [Gainesville, Florida EV Charging Stations | PlugShare](#)

3) Budgetary concerns; 4) Government incentives for moving to EVs; 5) What is the future plan for EVs in the City.

- Points 3, 4 and 5 of the motion are all pieces of a bigger conversation currently led by GRU as the controller of the utility. GRU is gathering data that has involved Fleet as part of the conversation.
- GRU/Fleet coordination and City Fleet EV Information below was shared with the City Clerk's Office in November 2021.
 - General Government vehicles
 - 11 Fully electric Nissan Leafs
 - 48 Hybrid sedans/SUV's
 - 4 Hybrid Utility Bucket/platform trucks
 - GRU vehicles
 - 5 Hybrid sedans
 - Across both GG and GRU are ~420 alternative fuel capable vehicles that include the ability to operate on alternative fuel sources such as B2-100 and E-85
- To create a City-wide GG/GRU vehicle electrification plan, funding needs to be identified to engage a consultant to assist the process.
- RTS is bound by Federal regulations to create an electrification plan prior to pursuing any funding for electric buses.
 - RTS is able to use transit formula funding beginning September 2022 to create the plan and anticipate a RFP to be issued Winter 2022/2023
 - Most recent data from the RTS electric bus pilot indicates a **higher cost per fuel mile** for electric buses than the low emission diesel buses

cc: Tony Cunningham, Interim GRU General Manager
Tony Jones, Interim Chief Operating Officer
Bobbie Griffith, Chief of Staff
Jesus Gomez, Transit Director
Jason Foster, Fleet Director
Jason Garrett, RTS Fleet Maintenance Manager