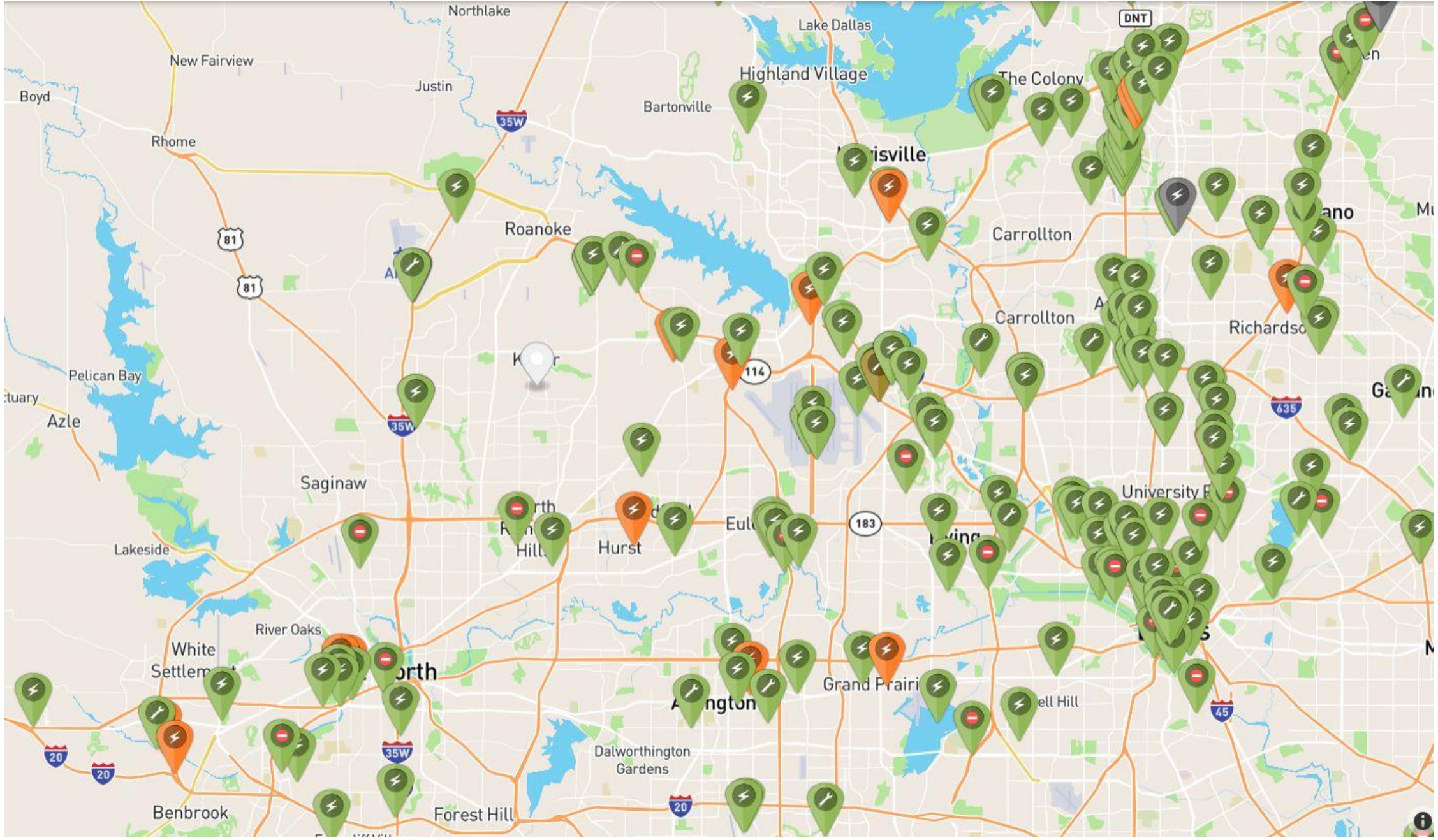


Electric Vehicle Charging Stations

Research & Community Survey

Background

- There is currently one electric vehicle charging station within the Keller city limits, in the Kohl's parking lot
- Electric Vehicle Charging Stations, even on private property, are not currently addressed in our Unified Development Code
- Early City Council discussions about Old Town Keller West had included an interest in seeing electric vehicle charging options within the project footprint
- Community Development was recently contacted by a Keller Town Center business regarding a request for an EVCS in Town Center
- Vehicle charging has become more commonplace in our neighboring communities, prompting inquiries from residents



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Background

- The city partnered with KCAL to offer an internship to conduct a community survey and perform research regarding electric vehicle charging stations.
- In January 2018, Keller High School senior and law-track KCAL student Fernando Avalos-Oviedo joined the city as an intern. The EVCS Research Project and Community Survey served to support his educational goals by exposing him to municipal research and law, while simultaneously providing the city with valuable insight.

Electric Vehicle Charging



Level 2 Charging

Level 3 Charging

Public EV Charging Stations are either “Level 2” or “Level 3” chargers. Level 3 stations charge faster than Level 2. In both cases, the user pays for their own charging. (Level 1 charging is considered the most basic of residential setups.)

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DFW Community Sampling

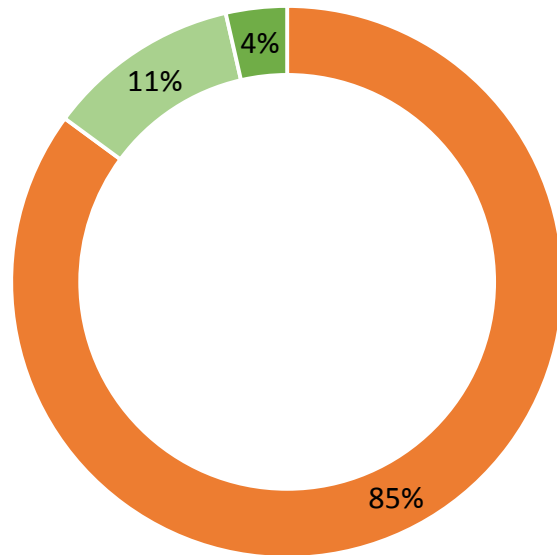
CITY	Private Investment on Private Property	Private Investment on Public Property	Public Investment on Public Public
SOUTHLAKE	YES	YES	NO
MCKINNEY	YES	YES	NO
GRAPEVINE	YES	YES	NO
DENTON	YES	NO	YES
PLANO	YES	NO	NO
FRISCO	YES	NO	NO
FORT WORTH	YES	YES	NO
FLOWER MOUND	NO	NO	NO
ARLINGTON	YES	YES	NO
RICHARDSON	YES	NO	YES
NORTH RICHLAND HILLS	YES	NO	NO

Most cities allow EV charging stations through a standard building or electrical permit process. Southlake requires an SUP.

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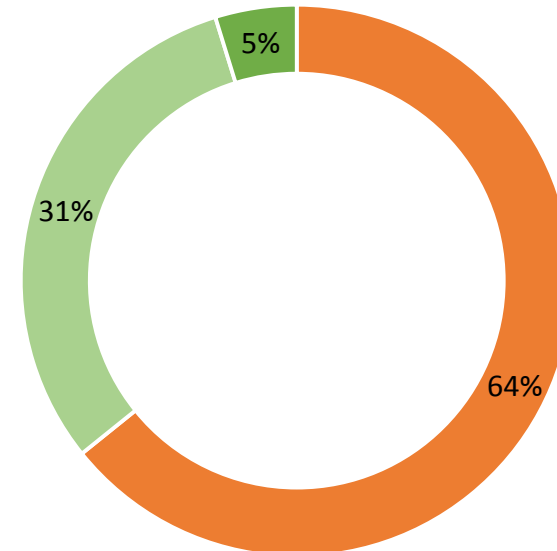
Community Survey Results

Does your household **own** an electric vehicle or plug-in hybrid?



■ No ■ Yes, 1 Vehicle ■ Yes, More Than 1 Vehicle

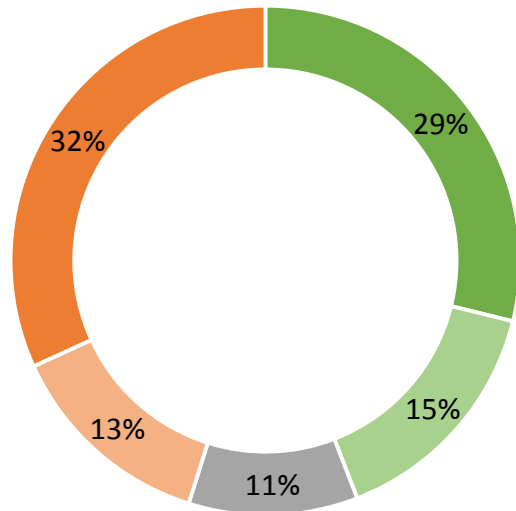
Do you **plan to purchase** an electric vehicle or plug-in hybrid in the next five years?



■ No ■ Yes, 1 Vehicle ■ Yes, More Than 1 Vehicle

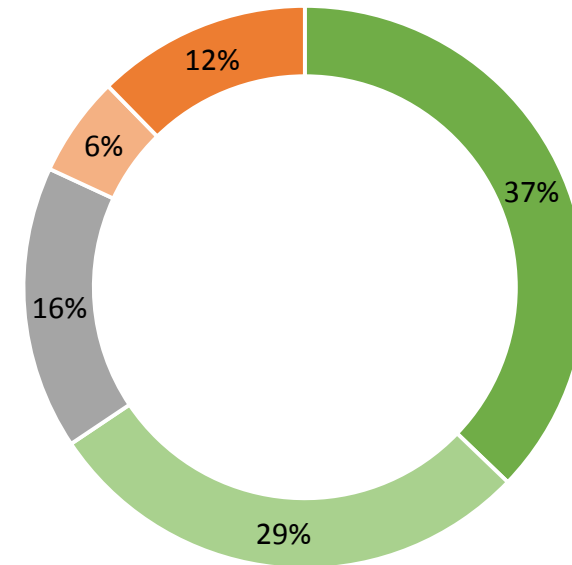
Community Survey Results

How supportive would you be of the city ***investing public funds*** into electric vehicle charging stations?



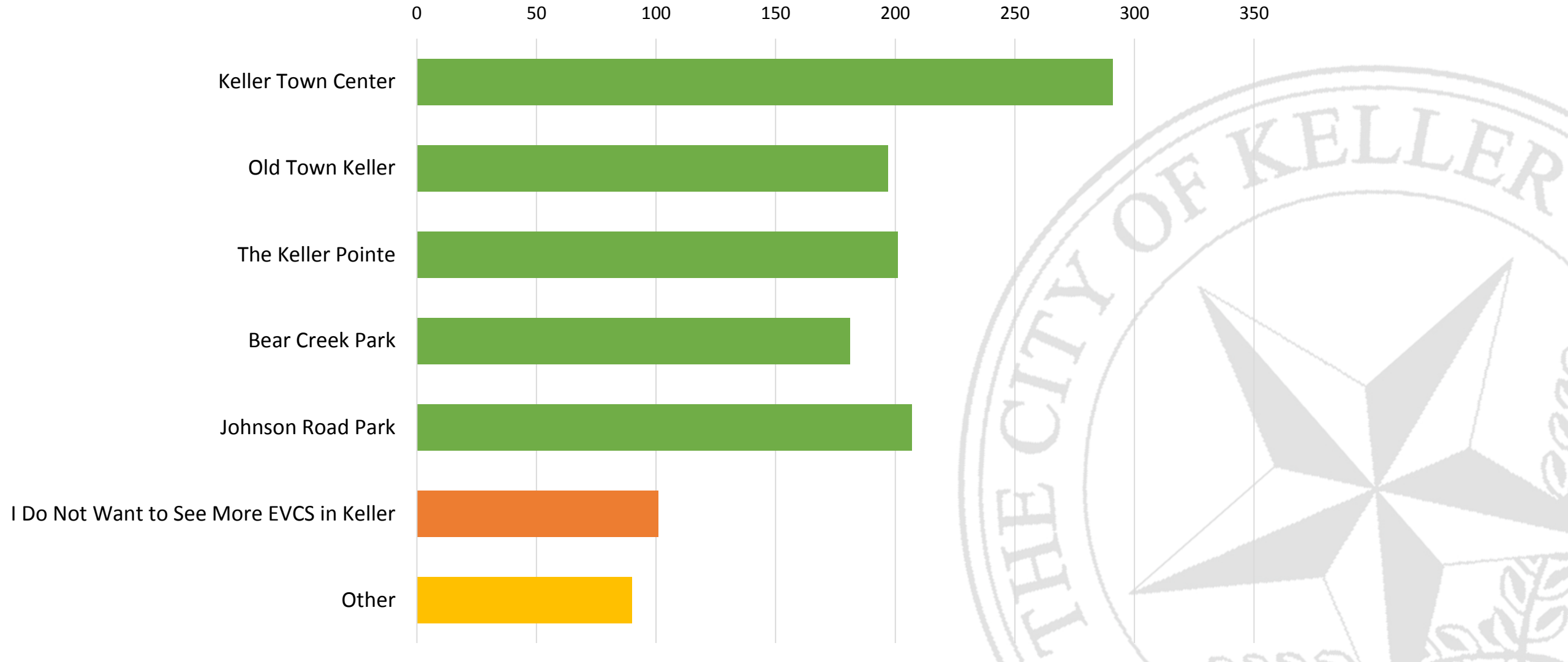
■ Very Supportive ■ Supportive ■ Neutral ■ Unsupportive ■ Very Unsupportive

How supportive would you be of the city ***allowing private investors*** to fund EVCS on public property?



■ Very Supportive ■ Supportive ■ Neutral ■ Unsupportive ■ Very Unsupportive

Where in Keller would you like to see electric vehicle charging stations?
(check all that apply.)



Requested Council Direction

Staff is seeking City Council direction on the following two items:

- Whether to add electric vehicle charging station standards to the Unified Development Code
- Whether to explore private funding opportunities/partnerships aimed at allowing electric vehicle charging on public property in select locations



Questions?

Fernando Avalos-Oviedo - KCAL Intern

Trina Zais - Public Services Director

817-743-4009