

Electric Vehicle Charging



Electric Vehicles

- There are about 170,000 vehicles on the road in the United States.
- About 100,000 were sold in 2013.



Electric Vehicles Need Infrastructure

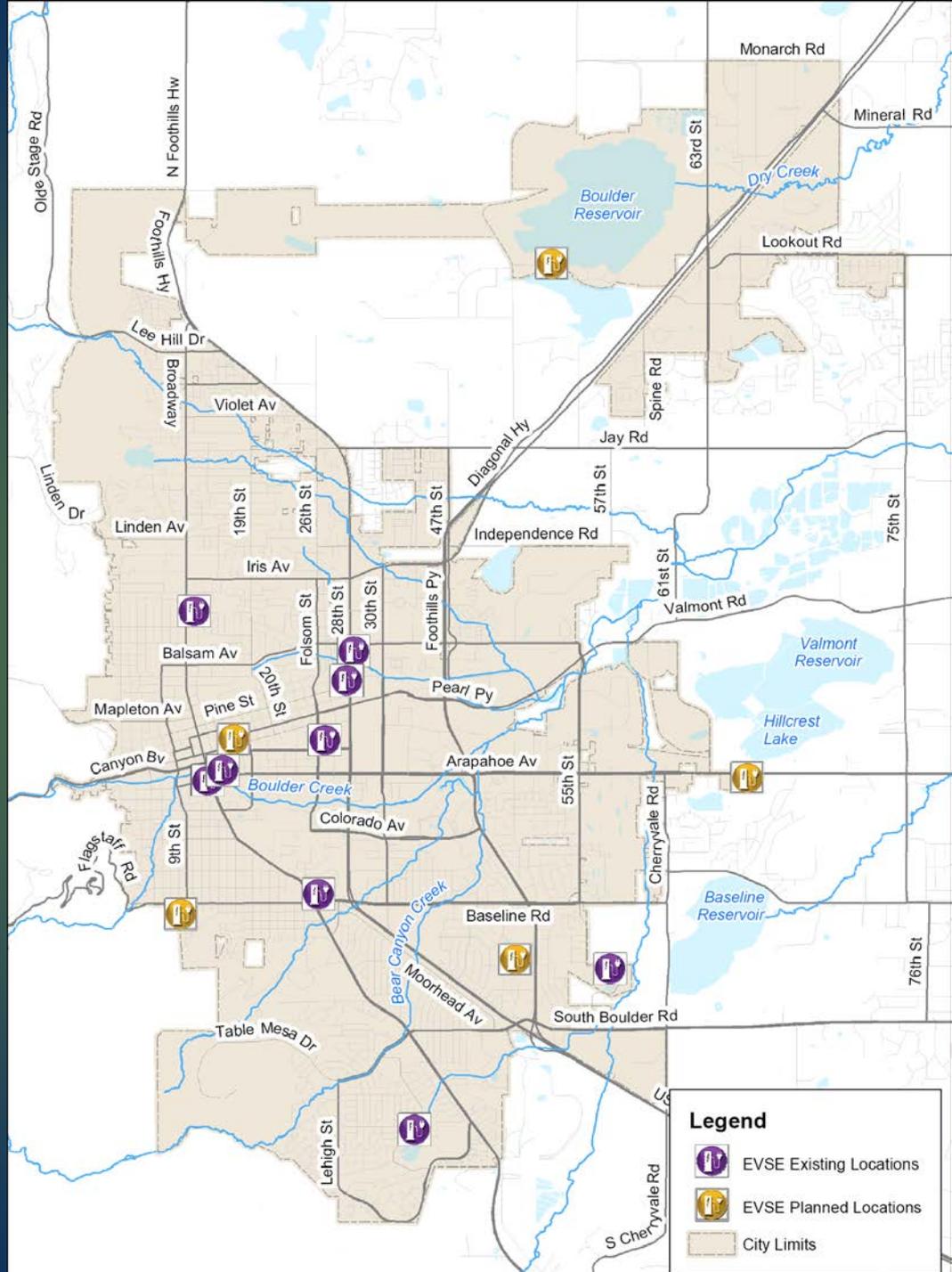
- There has always been a chicken and egg problem.
 - No one will buy them if there is no infrastructure to support them.
 - No one will build infrastructure if there are no electric cars.



The Infrastructure is coming

- The City installed its first public charging station in August 2011 at the South Recreation Center.
- The city is installing charging stations in public garages and parking lots.





Legend

-  EVSE Existing Locations
-  EVSE Planned Locations
-  City Limits

Partial List of Charging Stations

- South Boulder Recreation Center
- East Boulder Community Center
- North Boulder Recreation Center .
- University of Colorado at Kittredge Loop
- Alfalfa's
- Rocky Mountain Institute
- Boulder Nissan
- Walgreens on 28th St.
- Parking Garage at 15th and Pearl
- Parking Garage at 1000 Walnut (coming)
- Surface Lot at 15th and Spruce (coming)



The Problem

- Electric Vehicles can be ICE'd
 - Blocked from using a charger by an car with an internal combustion engine.
- This is a common problem at the city's recreation centers.



The Ordinance

- Restricts Electric Vehicle Charging Stations to Electric Vehicles
- Allows for the City to set time limits.



Proposed Amendment

Motion to amend Ordinance 7959, section 1, adding a new section 7-6-30 to the Boulder Revised Code by amending section 7-9-30(a) to read

(a) No vehicle shall be parked in a space designated for charging any electric vehicle by any sign or pavement marking using terms "electric vehicle charging," or otherwise reasonably indicating designation for electric vehicle charging unless the vehicle is a plug-in electric vehicle.

Proposed Amendment

Motion to amend Ordinance 7959, section by adding a new subsection 7-6-30(f) as follows:

(f) As used in this section “plug-in electric vehicle” shall mean any motor vehicle that draws electricity from a battery that is capable of being charged from an external source. It shall be presumptive evidence that a vehicle is a plug-in electric vehicle if the vehicle displays a plug-in electric vehicle decal issued by the State of Colorado.

Does Council Have Any Questions?

