



Electric Vehicle Charging

ZONING CODE TEXT
AMENDMENT

CITY COMMISSION
DECEMBER 5, 2017

ELECTRIC VEHICLE CHARGING

Proposed Zoning Code Text Amendments:

- Require a percentage of off-street parking to be equipped with charging stations
- Require all large, new multi-family, mixed-use, and hotels to be equipped with 240 volt capability throughout garage
- Provide general standards and definitions

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ARTICLE 5 – DEVELOPMENT STANDARDS:

Division 14. Parking, Loading, and Driveway Requirements

Section 5-1409. Amount of required parking.

E. Electric Vehicle Charging. Electric vehicle charging stations are required for all new construction except single-family residences, duplexes, and townhouses.

1. Residential and non-residential parking. When twenty (20) or more off-street parking spaces are required, a minimum of two percent (2%) of the required off-street parking, with a minimum of one (1) space, shall be reserved for electric vehicle parking and provide an electric vehicle charging station, subject to the following:

- a. The electric vehicle charging station shall have a minimum charging level of AC Level 2.
- b. All components of the electric vehicle charging station shall be located entirely within the confines of the building and not visible from outside any portion of the structure.
- c. All components shall be located above the minimum flood elevation.
- d. The charging station shall contain a retraction device, coiled cord, or a place to hang cords and connectors above the ground surface.
- e. Signage shall be posted at the charging station stating "Charging Station." Signs shall have no greater length than eighteen (18) inches.
- f. All new multi-family, mixed-use, or hotel development with twenty (20) or more units shall also provide access to 240 volt capability throughout the garage to offer charging opportunities to residents and guests.
- g. If a calculation of required parking spaces results in a fractional space, the number of required parking spaces shall be rounded up to the next whole number.

ARTICLE 8 – DEFINITIONS:

Electric Vehicle Charging Level is the standardized indicators of electrical force, or voltage, at which an electric vehicles' battery is recharged which include the following specifications:

- (1) Level 1 requires a 15 or 20 amp breaker on a 120-volt AC circuit and standard outlet;
- (2) Level 2 requires 40 to 100-amp break on a 240-volt AC circuit; or
- (3) Level 3 requires a 60-amp or higher dedicated breaker on a 480-volt and higher three-phase circuit with special grounding equipment. A Level 3 charging shall use an off-board charger to provide the AC to DC conversion, delivering DC directly to the car battery.

Electric Vehicle Charging Station is a parking space that is served by electric vehicle charging station equipment that has as its primary purpose the transfer of electric energy (by conductive or inductive means) to a battery or other energy source device in an electric vehicle.

STAFF RECOMMENDATION:

BASED UPON THE COMPLETE FINDINGS OF FACT, STAFF RECOMMENDS APPROVAL OF THE ZONING CODE TEXT AMENDMENT.



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