ATTACHMENT 2

EV INSTALLATIONS

2020 REACH CODES VERSUS 2025 PROPOSED ORDINANCE

		Current 2020 Reach Code	2025 Code Proposed Ordinance	2025 California Building Code
Single Family, Duplex, Townhomes	Level 1 Level 2	1 RS per unit 1 RS per unit	1 RS per unit 1 RS per unit	- 1 C per unit
Unassigned Spaces		Level 2 - 30% RS Level 1 – 70% RS	Level 2 – 30% RS Level 1 – 70% RS	- -
Multifamily Dwellings	Level 1 Level 2 Low Power Level 2 Level 2 EV Chargers	50% RS of dwelling units 40% RS of dwelling units - 10% Total spaces	 40% RS assigned/ unassigned 50% RS assigned/ unassigned 10% Total Spaces	- - 1 RS per dwelling unit assigned space 25% of unassigned spaces -
Hotel and Motels	EV Capable Level 2 Low Power Level 2 Level 2 EV Chargers	50% 40% RS - 10%	35% 40% RS - 25%	- 40% RS - 25%
Office Buildings	EV Capable Conduit Level 1 Level 2 Level 3	35% C - 35% EVCS -	35% C - 35% EVCS -	<u>Sliding Scale</u> 0%-23% C - 0%-17% EVCS -
Other Non-residential	EV Capable Conduit Level 1 Level 2 Level 3	35% C - 35% EVCS 1 EVCS per 100 or fraction thereof	35% C - 35% EVCS 1 EVCS per 100 or fraction thereof	<u>Sliding Scale</u> 0%-23% C - 0%-12% EVCS -

C: EV Capable – Conduit provided
RS: EV Ready Space – Outlet provided
EVCS/EVSE: EV Charging Station – Charger installed

Electric Vehicle (EV) Capable Space: A vehicle space with electrical panel space and load capacity to support a branch circuit and necessary raceways, both underground and/or surface mounted, to support EV charging.

Raceways linking the electrical panel and parking space only need to be installed in spaces that will be inaccessible in the future, either trenched underground or where penetrations to walls, floors, or other partitions would otherwise be required for future installation of branch circuits. The panel circuit directory shall identify the overcurrent protective device space(s) reserved for EV charging as "EV CAPABLE." Construction documents shall indicate future completion of raceway from the panel to the parking space, via the installed inaccessible raceways.

Level 1 Electric Vehicle (EV) Ready Space: A parking space served by a complete electric branch circuit, overprotection device, a raceway (both underground and/or surface mounted) that may include multiple circuits as allowed by the California Electrical Code, wiring, and either a) a receptacle labeled "Electric Vehicle Outlet" with at least a ½" font adjacent to the parking space, or b) electric vehicle supply equipment (EVSE).

Level 2 Electric Vehicle (EV) Charging Receptacle is a 208/240-volt 40-ampere minimum branch circuit and a receptacle.

Low Power Level 2 Electric Vehicle (EV) Charging Receptacle is a 208/240-volt 20-ampere minimum branch circuit and a receptacle.

Electric Vehicle Charging Station (EVCS): A parking space that includes installation of electric vehicle supply equipment (EVSE). EVCS installation may be used to satisfy a Level 2 EV Ready Space requirement.

Level 3 Electric Vehicle Charging Station (EVCS): A parking space that includes installation of electric vehicle supply equipment (EVSE) connected to a circuit serving a Level 3 EV Ready Space. EVCS installation may be used to satisfy a Level 3 EV Ready Space requirement.