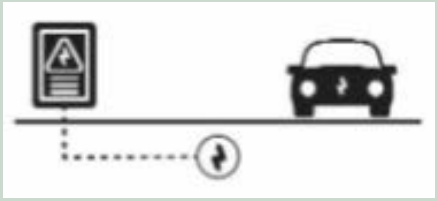
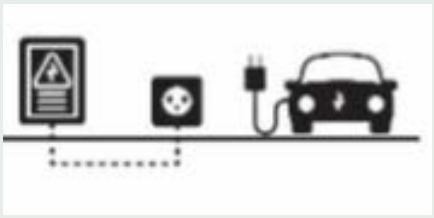
Electric Vehicle Charger Types

Level 1		15-20 Amp, 120 Volt (standard household outlet) Driving Distance provided: 3-4 miles/hour
Low Power Level 2		20 Amp, 208/240 Volt Driving Distance provided: 10-15 miles/hour
High Power Level 2		40+ Amp, 208/240 Volt Driving Distance provided: 25-30 miles/hour
DC Fast Charge		80-400 Amp, 200-600 Volt DC (direct current) Driving Distance provided: 125-1000 miles/hour

EV Charging Infrastructure

EV Capable		Raceway (conduit), electrical capacity (breaker space)
EV Ready		EV Capable + overcurrent protection devices, wiring and outlet (i.e. full circuit)
EVCI (electric vehicle charger installed)		All equipment to deliver electricity to EV (aka EVSE = electric vehicle supply equipment)

Existing & Potential EV Charging Requirements

	2019 CalGreen	**Hayward's Current Reach Code (% of dwelling units)**	**2022 CalGreen (% of parking spaces)**	***Model Reach Code (potential requirements)***
Multi-Family ≤20 dwelling units	10% of units must have one Level 2 EV Capable space	100% Level 2 EV Ready space	10% Level 2 EV Capable 25% low power Level 2 EV Ready (35% total)	40% high power Level 2 EVSE 60% Level 1 EV Ready (100% total)
Multi-Family >20 dwelling units	10% of units must have one Level 2 EV Capable space	75% Level 2 EV Ready space; and 25% Level 2 EV Capable space	10% Level 2 EV Capable 25% low power Level 2 EV Ready 5% high power Level 2 EVSE (40% total)	40% high power Level 2 EVSE; and 60% Level 1 EV Ready (100% total)
Multi-Family Affordable Housing	NA	NA	NA	15% high power Level 2 EVSE; 25% low power Level 2 EV Ready 60% Level 1 EV Ready (100% total)
Hotel/ Motel	NA	NA	NA	5% Level 2 EVSE; and 25% low power Level 2 EV Ready

Existing and Potential EV Charging Requirements

	2019 CalGreen	Hayward's Current Reach Code	2022 CalGreen	*Model Reach Code (potential requirements)*
Single Family & Townhome	One Level 2 EV Capable for one parking space per dwelling unit	Two Level 2 EV Ready spaces per dwelling unit	No changes	One Level 2 EV Ready space One Level 1 EV Ready space
Non-Res Office	6% Level 2 EV Capable (for buildings with at least 10 parking spaces)	20% Level 2 EV Charger Installed (for buildings with at least 10 parking spaces); and 30% of spaces must be EV Capable	5% Level 2 EVCS; and 10% Level 2 EV Capable (for buildings with at least 10 parking spaces)????	20% Level 2 EV Charger Installed; and 30% of spaces must be Level 2 EV Capable
Non-Res Non-Office		15% Level 2 EV Charger Installed (for buildings with at least 10 parking spaces)		10% Level 2 EV Charger Installed; and 10% of spaces must be Level 2 EV Capable