

**Specifications for PEV outlet capability requirements by CALGreen and LA**

<b>Municipality</b>	<b>Building Type</b>	<b>Level Required</b>	<b>Conduit Required</b>	<b>Wiring/outlet Required</b>	<b>Panel Capacity Required</b>	<b># Spaces</b>
<b>CALGreen</b>	One & two family dwellings	Level 1 (Trade size 1 conduit)	Yes	No	No	none
	Multifamily dwellings (3 stories or less)	Level 2 (240 V)	Yes	No	Yes	3% of total parking
	Non-Residential	Level 2 (240 V)	Yes	Yes	Yes	5% of total parking
<b>Los Angeles</b>	One & two family dwellings & townhouses	Level 2 (208/240 V 40 amp, grounded AC outlet)	Yes	No	Yes	1 vehicle outlet per unit
	High rise residential & non-residential buildings	Level 2 (208/240 V)	Yes	Yes	Yes	5% of total parking
	All other residential (not high rise or single family/townhouse)	Level 2 (208/240 V)	Yes	No	Yes	5% of total parking

The City of Los Angeles and CALGreen PEV charging requirements are very similar. However, Los Angeles includes more requirements for all residential buildings, whereas CALGreen only focuses on dwelling units less than 3 stories.

In one and two family residential dwellings, CALGreen requires only a raceway at least trade size 1 to be securely fastened at the service panel and terminate at close proximity to the proposed location of the charging system into a listed cabinet, box or enclosure. Multifamily dwellings are required to be capable to supporting future PEV chargers in at least 3% of their spaces.<sup>1</sup>

<sup>1</sup> CALGreen Code. A4.106.1 - A4106.6.2.2. CALGreen building code 2012.

The city of Los Angeles requires that all new high rises, new residential building, buildings alterations with building permit alterations of over \$200,000, and building additions contain panel capacity and conduits for Level 2 PEV outlets. High rises are required to possess the wiring and outlets as well<sup>2</sup>

The City of Los Angeles adopted their code in Ordinance No 181480. The ordinance amending Chapter IX of the Los Angeles Municipal Code by adding a new Article 9 to incorporate various provisions of the 2010 California Green Building Standards Code.

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<sup>2</sup> Ordinance No. 181480. City of Los Angeles. 99.04.106.6.  
[http://ladbs.org/LADBSWeb/LADBS\\_Forms/PlanCheck/2011LAAmendmentforGreenBuildingCode.pdf](http://ladbs.org/LADBSWeb/LADBS_Forms/PlanCheck/2011LAAmendmentforGreenBuildingCode.pdf)