



**COMMUNITY DEVELOPMENT DEPARTMENT  
BUILDING DIVISION**

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## 2019 California Electrical Code (CEC) Changes

### SUMMARY

Below are the significant changes to the 2019 California Electrical Code. A few requirements have been added. The biggest changes in this cycle are in the Photovoltaic systems. Article 690 has changed and 691 has been added.

### SIGNIFICANT CHANGES

<i>NEW- CHANGE</i>	<i>CEC SECTION/TABLE NUMBER</i>	<i>COMMENTARY</i>
<input type="checkbox"/> <input checked="" type="checkbox"/>	100	Building exception added.
<input type="checkbox"/> <input checked="" type="checkbox"/>	110.3(c)	Listing. Product testing, evaluation, and listing requirements.
<input type="checkbox"/> <input checked="" type="checkbox"/>	110.21(A)(2)	Reconditioned equipment marking
<input type="checkbox"/> <input checked="" type="checkbox"/>	110.26(A)(6)	Limited access above suspended ceilings.
<input type="checkbox"/> <input checked="" type="checkbox"/>	110.26(A)(5)	Separation from high-voltage equipment. Where switches, cutouts, or other equipment operating at 1000 volts or less.
<input checked="" type="checkbox"/> <input type="checkbox"/>	110.41	Pre-energization and operating tests & test reports.
<input type="checkbox"/> <input checked="" type="checkbox"/>	210.8(E)	GFCI lighting outlet in crawl space.
<input type="checkbox"/> <input checked="" type="checkbox"/>	210.11(C)(4)	At least one 120volt, 20-amp garage branch circuits.
<input type="checkbox"/> <input checked="" type="checkbox"/>	210.71	Meeting rooms in hotels less than 1000 square feet, shall have outlets, 15- or 20-amp in accordance with 210.71(B)
<input type="checkbox"/> <input checked="" type="checkbox"/>	250.30(A)(4)	Building or structure grounding electrode system
<input type="checkbox"/> <input checked="" type="checkbox"/>	250.52(A)(2)	Metal in-ground support structure(s)
<input type="checkbox"/> <input checked="" type="checkbox"/>	250.122(F)(1)	Conductor installations in raceways, auxiliary gutters, or cable trays
<input type="checkbox"/> <input checked="" type="checkbox"/>	250.94	Other means for intersystem bonding termination device.
<input type="checkbox"/> <input checked="" type="checkbox"/>	314.27(2)(E)	Separable attachment fittings.

<input type="checkbox"/>	<input checked="" type="checkbox"/>	358.10(B) & (C)	Galvanized steel and stainless steel EMT, elbows, and fittings. Supplementary protection of aluminum EMT, and cinder fill requirements.
<input type="checkbox"/>	<input checked="" type="checkbox"/>	406.12	Tamper resistant receptacles location list expanded.
<input type="checkbox"/>	<input checked="" type="checkbox"/>	422.5	GFCI protection for appliances list expanded.
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Article 425	Fixed resistance and electrode industrial process heating equipment. Applies to food processing facilities and factories.
<input type="checkbox"/>	<input checked="" type="checkbox"/>	445.13(B)	Overcurrent protection provided.
<input type="checkbox"/>	<input checked="" type="checkbox"/>	445.18(A),(B)& (C)	Disconnecting means, shutdown of prime mover, and generators installed in parallel.
<input type="checkbox"/>	<input checked="" type="checkbox"/>	445.20(A) & (B)	Unbonded & bonded neutral generators.
<input type="checkbox"/>	<input checked="" type="checkbox"/>	511.3(C)& (D)	Commercial garages, major and minor repairs. Table 511.3(C) & (D) added.
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Article 690	Solar photovoltaic (PV) systems has new sections and extensive changes throughout the whole article.
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Article 691	Large-scale photovoltaic electric power production facility. PV electric power production facilities with a generating capacity of no less than 5000 kW.
<input type="checkbox"/>	<input checked="" type="checkbox"/>	700.25	Branch circuit emergency lighting transfer switch.
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Article 706	Energy storage systems operating over 50 volts ac or 60 volts dc.
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Article 710	Electric power production sources operating in standalone mode.
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Article 712	Direct current microgrids.
<input checked="" type="checkbox"/>	<input type="checkbox"/>	725.144	Transmission of power and data for class 2 and 3 circuits that transmit power and data.