



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

NEW - CHANGE	CEC SECTION/TABLE NUMBER	COMMENTARY	MASTER PLAN IMPACT YES - NO	
<input type="checkbox"/> <input checked="" type="checkbox"/>	100	Building exception added.	<input type="checkbox"/> <input checked="" type="checkbox"/>	
<input type="checkbox"/> <input checked="" type="checkbox"/>	110.3(c)	Listing. Product testing, evaluation, and listing requirements.	<input type="checkbox"/> <input checked="" type="checkbox"/>	
<input type="checkbox"/> <input checked="" type="checkbox"/>	110.21(A)(2)	Reconditioned equipment marking.	<input type="checkbox"/> <input checked="" type="checkbox"/>	
<input type="checkbox"/> <input checked="" type="checkbox"/>	110.26(A)(6)	Limited access above suspended ceilings.	<input type="checkbox"/> <input checked="" type="checkbox"/>	
<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 type="checkbox"/> <input checked="" type="checkbox"/>	
<input checked="" type="checkbox"/> <input type="checkbox"/>	110.41	Pre-energization and operating tests & test reports.	<input type="checkbox"/> <input checked="" type="checkbox"/>	
<input type="checkbox"/> <input checked="" type="checkbox"/>	210.8(E)	GFCI lighting outlet in crawl space.	<input checked="" type="checkbox"/> <input type="checkbox"/>	
<input type="checkbox"/> <input checked="" type="checkbox"/>	210.11(C)(4)	At least one 120volt, 20-amp garage branch circuits.	<input checked="" type="checkbox"/> <input type="checkbox"/>	
<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"/>	
<input type="checkbox"/> <input checked="" type="checkbox"/>	250.30(A)(4)	Building or structure grounding electrode system.	<input checked="" type="checkbox"/> <input type="checkbox"/>	
<input type="checkbox"/> <input checked="" type="checkbox"/>	250.52(A)(2)	Metal in-ground support structure(s).	<input checked="" type="checkbox"/> <input type="checkbox"/>	
<input type="checkbox"/> <input checked="" type="checkbox"/>	250.122(F)(1)	Conductor installations in raceways, auxiliary gutters, or cable trays.	<input checked="" type="checkbox"/> <input type="checkbox"/>	
<input type="checkbox"/> <input checked="" type="checkbox"/>	250.94	Other means for intersystem bonding termination device.	<input checked="" type="checkbox"/> <input type="checkbox"/>	
<input type="checkbox"/> <input checked="" type="checkbox"/>	314.27(2)(E)	Separable attachment fittings.	<input checked="" type="checkbox"/> <input type="checkbox"/>	
<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 checked="" type="checkbox"/> <input type="checkbox"/>	
<input type="checkbox"/> <input checked="" type="checkbox"/>	406.12	Tamper resistant receptacles location list expanded.	<input checked="" type="checkbox"/> <input type="checkbox"/>	
<input type="checkbox"/> <input checked="" type="checkbox"/>	422.5	GFCI protection for appliances list expanded.	<input type="checkbox"/> <input checked="" type="checkbox"/>	
<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"/>	

NEW - CHANGE	CEC SECTION/TABLE NUMBER	COMMENTARY	MASTER PLAN IMPACT YES - NO
<input type="checkbox"/> <input checked="" type="checkbox"/>	445.13(B)	Overcurrent protection provided.	<input type="checkbox"/> <input checked="" type="checkbox"/>
<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"/>
<input type="checkbox"/> <input checked="" type="checkbox"/>	445.20(A) & (B)	Unbonded & bonded neutral generators.	<input type="checkbox"/> <input checked="" type="checkbox"/>
<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"/>
<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"/>
<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"/>
<input type="checkbox"/> <input checked="" type="checkbox"/>	700.25	Branch circuit emergency lighting transfer switch.	<input type="checkbox"/> <input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> <input type="checkbox"/>	Article 706	Energy storage systems operating over 50 volts ac or 60 volts dc.	<input type="checkbox"/> <input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> <input type="checkbox"/>	Article 710	Electric power production sources operating in stand-alone mode.	<input type="checkbox"/> <input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> <input type="checkbox"/>	Article 712	Direct current microgrids.	<input type="checkbox"/> <input checked="" type="checkbox"/>
<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.	<input type="checkbox"/> <input checked="" type="checkbox"/>