

COA Commercial Energy Code – CURRENT AMENDMENTS

June, 2024

The following is a brief summary of current amendments to the commercial energy code, recommendation for moving forward, and rationale for that recommendation. Amendments applicable to 90.1 would be adjusted to align.

C201.3 Terms defined in other codes. Refers to local codes rather than model codes.	Retain as worded
C402.2.8 Insulation encapsulation requirement. Provides for more thorough insulation installation.	Retain as worded
C402.4 Roof solar reflectance and thermal emittance. Local amendment addresses repairs and high sloped, commercial roofs. Slight modifications to match model code language and renumbered to accommodate model code.	Modify slightly
C402.5.3 Maximum U-factor and SHGC. Local amendment considers COA design and compatibility standards. Renumbered to accommodate model code.	Modify slightly
C402.8 Commercial Solar Ready (Mandatory). Provides for space and infrastructure to install solar PV systems in the future. Renumbered to accommodate model code.	Modify slightly
C403.7.10 Ventilation filtration and filtration of return air. Provides for better air filtration as well as plenum sealing. Renumbered to accommodate model code.	Modify slightly
C403.15 Demand response. Now included in locally adopted appendix to model code.	Delete
C404.10 Electric water heater timers. Now included in locally adopted appendix to model code.	Delete
C405.2 Lighting controls Now included in locally adopted appendix to model code.	Delete
Table 405.13.2 Local amendment adds EV charging loads to list of required monitored loads.	New
C405.15.1 On-site renewable energy systems. Local amendment adds exceptions to projects not required to install renewable energy systems.	New
Appendix CG – Electric Vehicle Charging Infrastructure Local adoption of model code appendix.	New

Table CG101.2.1	New
Local amendment modifies the EV space percentages per occupancy type listed in the table to support local market conditions.	
CG101.2.1 Quantity.	New
Local amendment modifies the EV space percentages to accommodate long term parking garages. The percentage was adjusted to accommodate the mismatch in duration of parking in long term parking with the need and duration of EV charging in these facilities.	
CG101.2.5 System and circuit capacity.	New
Local amendment adds separate requirements for long term parking garages.	
CG101.2.5.4 Long term parking garages system and circuit capacity.	New
Local amendment allows Lvl 1 charging infrastructure for long term parking garages.	
Appendix CH – Electric-Ready Commercial Building Provisions	New
Local adoption of model code appendix.	
Appendix CI – Demand Responsive Controls	New
Local adoption of model code appendix.	
CI101.1 Demand responsive controls.	New
Local amendment adds an exception for special occupancies and special applications.	
CI102.1 Demand responsive water heating.	New
Local amendment adds exceptions for water heater timers, and special occupancy or special applications.	
Appendix CJ – Electrical Energy Storage System	New
Local adoption of model code appendix.	