

Commercial Energy Conservation Code Change Highlights 8th Ed (2023)
Effective Date: December 31, 2023.
Summary

- Several new definitions added
- Revised opaque thermal envelope air barrier compliance includes buildings' thermal envelope performance testing requirements for buildings other than Group R and I occupancies
- Interlocking operable openings heating and cooling system operation is a mandatory requirement
- Increased minimum efficiencies in seven HVAC equipment tables, added six new HVAC equipment efficiency tables and added a new "SEER2" rating for ACs and "HSPF2" for HPs
- A hydronic heat pump on a hydronic system having a total pump system power exceeding 10 hp (7.5 kW) must have a two-position automatic valve that interlocks with the compressor to shut off water flow when the compressor is off
- Extensively revised and reorganized lighting devices and lighting control sections for interior lighting. Maximum interior Lighting Power Density (LPD) allowance for many building types is reduced. Luminaires with specific application controls are exempted from time-switch control requirements. Spaces not provided with occupant sensor controls must have manual light reduction controls for general lighting. Added new occupant sensor controls function requirement for corridor areas
- Parking garage lighting control requires an occupant sensor or a time-switch control
- Functional performance testing must be witnessed and documented by a licensed design professional or approved agency
- Revised provisions and clarifications for construction documents reporting requirement
- A new fenestration product replacing an existing fenestration unit must meet the U-factor and SHGC requirements

More to come ...