

2022 CMC & CPC CHANGES



ARC NEWSLETTER 2022

Starting January 1, 2023, California will adopt the 2022 CMC & CPC

CHANGES TO 2022 - CMC - California Mechanical Code

- Ventilation Air Supply & Exhaust Systems
- Commercial Kitchen Exhaust Systems & NFPA 96
- Hydronic Systems Safety Requirements
- Geothermal System Standards

CMC Chapter 4 - Ventilation Air Supply & Exhaust Systems

- Chapter 4 has been revised to conform with the latest ASHRAE 62.1 to reduce confusion between the CMC & ASHRAE Standard.



CMC Chapter 5 - Commercial Kitchen Exhaust Systems

- Chapter 5 has been revised to be consistent with NFPA 96

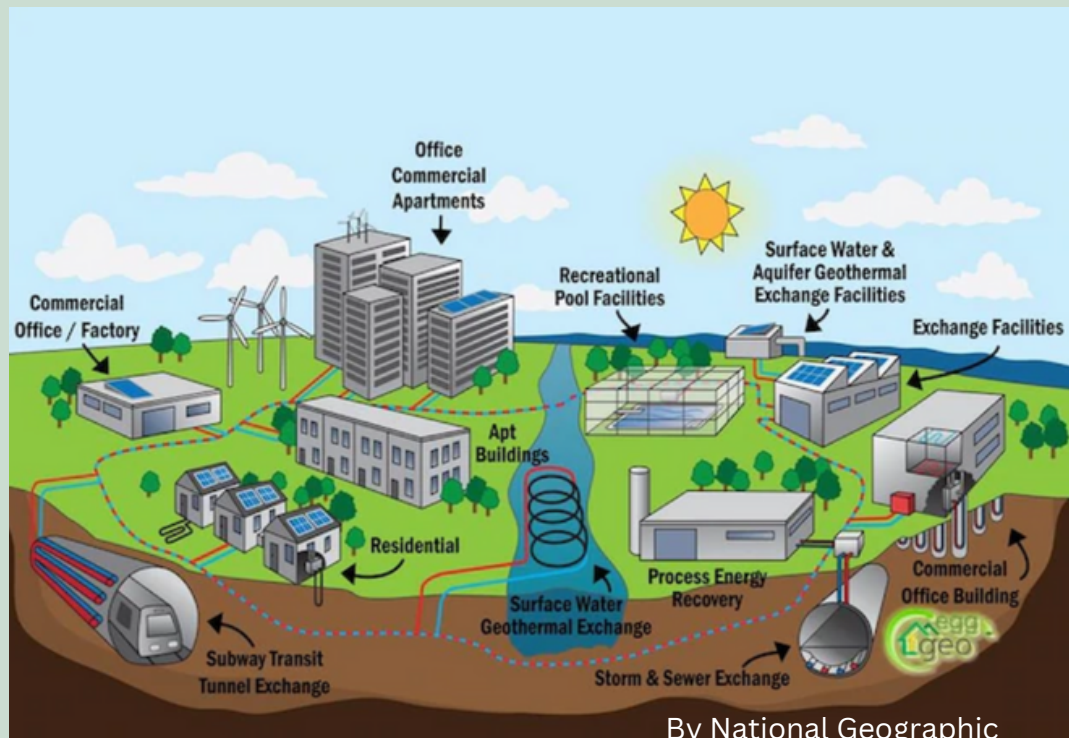


CMC Chapter 12 - Hydronic Systems

- Chapter was also revised with inclusions of safety provisions for hydronic systems, such as simultaneous operation, temperature reading, and tube fasteners.

CMC New Appendix F for Geothermal Systems

A new non-mandatory appendix was added to the CMC to help jurisdictions address safe installation requirements for geothermal systems. The appendix is separated into three parts for ease of use — Part I (general), Part II (closed-loop systems), Part III (open-loop systems) and Part IV (direct exchange DX systems).



By National Geographic

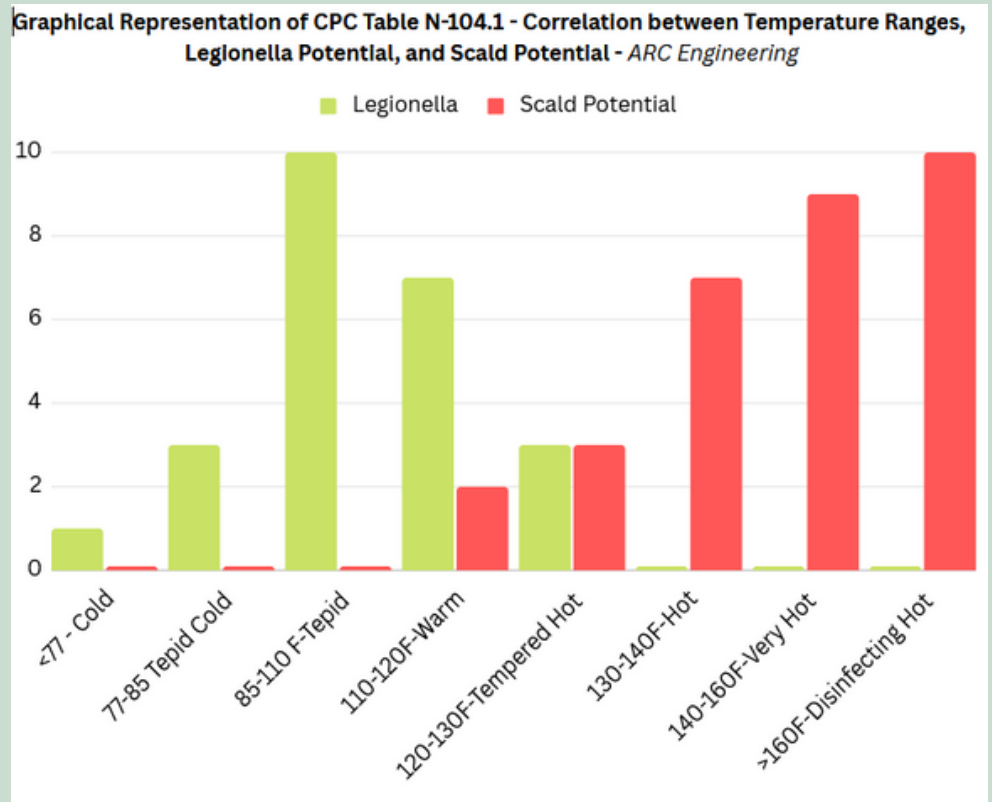
- Leak Detection Devices
- Legionella Provisions
- Water Dispenser Requirements
- Alkaline Water Treatment & Scale Reduction Devices

CPC Chapter 606.9 - Leak Detection Systems

- Where leak detection systems for water supply and distribution has been installed, they shall comply to conform with the IAPMO IGC 115 & IGC 349 Standards.

CPC New Appendix N for New Legionella Provisions

Table N-104.1 was added that gives jurisdictions the flexibility to implement a program depending on the risk. Along with the legionella risk exposure and scald potential table, the appendix contains specific provisions for disinfection, and it is written so that it can be implemented with legionella risk management systems such as ASHRAE 188 and ASHRAE Guideline 12, in accordance with the adopting jurisdiction.



CPC Chapter 417.6 - Water Dispenser Requirements

- CPC 417.6 Low-Pressure Water Dispenser. Beverage faucets shall comply with ASME A112.18.1/CSA B125.1. Low-pressure water dispensers that dispense electrically heated water and have a reservoir vented to the atmosphere shall comply with ASSE 1023. Electric devices that heat water shall comply with UL 499.
- Section 417.6 adds provisions for low-pressure water dispensers, which the codes did not address. These dispensers are currently within the scope of ASME A112.18.1. However, dispensers that dispense electrical heated water and have an integral reservoir of hot water vented to atmosphere generally are already in compliance with ASSE 1023. Products covered by ASSE 1023 include, but are not limited to, under-counter-mounted water dispensing systems, freestanding plumbed systems, freestanding bottled systems, and countertop systems.

CPC Chapter 611.0 - Drinking Water Treatment Systems

- The goal is to make sure these products dispense alkaline water for safe consumption resulting in nondetrimental effects to health. IAPMO IGC 322 gives the output performance requirements for flow rate and oxidation reduction potential at given pH levels..