

**CAWCD ENGINEERING SERVICES
APPLICABLE CODES & STANDARDS**



This document lists the current edition of the International Codes and various standards that are applicable when performing design and construction activities on CAP property. **This list does not include all applicable standards.** Any standard referenced in one of the codes listed below shall be considered to be part of the requirements of the code and shall apply. Any standard referenced in the project contract documents or specifications shall also apply on a project basis. In addition to common industry standards, CAWCD recognizes all USBR FIST Manuals that are applicable to CAP facilities and follows them as closely as possible for projects involving new construction or modifications to an existing CAP property.

ICC International Code Council
3060 Saturn Suite 100
Brea, CA 92821

Code	Edition
International Building Code (IBC)	2024
International Fire Code (IFC)	2024
International Mechanical Code (IMC)	2024
International Plumbing Code (IPC)	2024

NFPA National Fire Protection Association
1 Batterymarch Park
Quincy, MA 02169

Standard	Edition	
13	Standard for the Installation of Sprinkler Systems	2022
15	Standard for Water Spray Fixed Systems for Fire Protection	2022
20	Standard for Installation of Stationary Pumps for Fire Protection	2022
	Standard for the Inspection, Testing, and Maintenance of Water-Based Fire	
25	Protection Systems	2023
72	National Fire Alarm and Signaling Code	2022
70	National Electrical Code (NEC)	2020
70B	Standard for Electrical Equipment Maintenance	2023
70E ¹	Standard for Electrical Safety in the Workplace	2024
101	Life Safety Code	2024

ANSI

American National Standards Institute
1899 I Street, NW 11th Floor
Washington, DC 20036

Standard		Edition
ANSI/ NB-23	National Board Inspection Code	2023

ASME

American Society of Mechanical Engineers
Two Parks Avenue
New York, NY 10016

Standard		Edition
BPVC	Boiler and Pressure Vessel Code (Sections I, II, IV, V, VI and VIII)	2023
A17.1	Safety Code for Elevators and Escalators	2019
B31.1	Power Piping	2022
B31.3	Process Piping	2022
B31.9	Building Services Piping	2020

AWWA

American National Standards Institute
1899 I Street, NW 11th Floor
Washington, DC 20036

Standard		Edition
C110	Ductile Iron and Gray-Iron Fittings	Latest
C115	Flanged Ductile-Iron Pipe with Ductile-Iron or Gray-Iron Threaded Flanges	Latest
C200	Steel Water Pipe 6 In. and Larger	Latest
C206	Field Welding of Steel Water Pipe	Latest
C207	Steel Pipe Flanges for Waterworks Service--Sizes 4 In. Through 144 In.	Latest
C210	Liquid-Epoxy Coatings and Linings for Steel Water Pipe and Fittings	Latest
C504	Rubber-Seated Butterfly Valves	Latest
C516	Large-Diameter Rubber-Seated Butterfly Valves, Sizes 78 In. and Larger	Latest
C519	High Performance Waterworks Butterfly Valves - 3 In. Through 60 In.	Latest
C541	Hydraulic and Pneumatic Cylinder and Vane-Type Actuators for Valves and	Latest
C550	Protective Interior Coatings for Valves and Hydrants	Latest
C651	Disinfecting Water Mains	Latest

State of Arizona

Standard		Edition
Title 20	Chapter 5 Industrial Commission of Arizona Article 4 - Arizona Boilers and Lined Hot Water Heaters	2023

IEEE

Institute of Electrical and Electronics Engineers
3 Park Avenue, 17th Floor
New York, NY 10016

Standard		Edition
IEEE C2 ¹	National Electrical Safety Code (NESC)	2017

NETA

InterNational Electrical Testing Association
3050 Old Centre Road, Suite 101
Portage, MI 49024

Standard		Edition
MTS	Standard for Maintenance Testing Specifications for Electrical Power Equipment and Systems	2023

¹ CAWCD utilizes an internal Electrical Safety Program which encompasses OHSA, NFPA, NESC, and USBR FIST manual requirements. CAWCD will communicate and coordinate specific contractor safety requirements under this Safety Program while working under contract.