

California Department of Food and Agriculture (CDFA) - Division of Measurement Standards (DMS)

ZEV Role: CDFA-DMS develops and promotes accuracy and transparency in metering and measuring technology for both electricity and hydrogen. We work with the National Conference on Weights and Measures (NCWM) and the Western Weights and Measures Association (WWMA) to establish model regulations for dispensing equipment used in the fueling of ZEVs.

Equity Focus: Ensuring fair and accurate transactions in all locations and business models providing commercial ZEV fueling.

ZEV Market Development Objectives

1. Consumer and Business (vendor) Protection: Establish and enforce fuel quality standards, uniform method of sale requirements, and weights and measures specifications and regulations for commercial ZEV fueling equipment that meet market needs and ensure accuracy and marketplace transparency.

Key Collaborators:

NCWM; WWMA; California Agricultural Commissioners and Sealers Association (CACASA); CARB; CEC; U.S. National Working Group on Electric Vehicle Fueling Systems (EVFS).

Key Results & Actions:

California leads the nation in having adopted and enforced regulatory requirements for both hydrogen and electricity fueling systems for ZEVs. The requirements became effective January 1, 2021, for AC EVFS and January 1, 2023, for DC EVFS. California has evaluated and approved 28 different EVFS designs from 21 different manufacturers and issued the first ever type approval for a DC EVFS.

2. Establish the necessary resources and systems to ensure training of county weights and measures officials is on pace with the infrastructure roll-out so as to not impede the growth in commercial ZEV fueling systems deployed in the state.

Key Collaborators:

CEC; CACASA; WWMA; and NCWM

Key Results & Actions:

CDFA-DMS has procured additional field standards for testing and verifying the performance of commercial ZEV fueling equipment in the state. CDFA-DMS has provided training to over 15 county weights and measure jurisdictions on the procedure for field testing and verifying conformance of commercial EVFS placed in service. CDFA-DMS has Registered and instructed Registered Service Agency on the regulatory and statutory requirements for installing and placing into service commercial EVFS. CDFA-DMS has provided hands-on demonstrations of EVFS field testing to the WWMA and various regional county deputy sealer meetings.