



CALIFORNIA
WATER EFFICIENCY
PARTNERSHIP

Committee Task Forces: Highlights

Lisa Cuellar, Director of Programs

Select Principles of Committee Ops.

MEMBERSHIP

- Any organizational member of CalWEP in good standing may be allowed to join one or more committees.

MEETINGS

- Most of a committee's work will be conducted by conference call and email, with occasional in-person meeting or webinar for special topics.

TASK FORCES

- Task Forces are made up of committee members who gather to work on time-sensitive or single-issue projects for the committee, and then disband. Task Forces always function under the auspices of a committee.

DECISIONS

- Decisions on recommendations or other business will be by majority vote.

INDEPENDENCE

- The committees will operate independently of the CalWEP Board of Directors and will advise the Board on program and policy as appropriate.
- Policy decisions will be made by the Board, following recommendations that may be made by individual committees. For purposes of liaison with the Board, each committee shall have at least one Board director assigned to participate in committee activities.

(Adopted 11/7/2018)

MEMBER COMMITTEES

PROGRAM COMMITTEE

Whitney Ray, Chair*
Krista Guerrero, Vice Chair*
Lisa Cuellar, Staff
Sarah Musiker, Board Liaison

TASK FORCE: CII CLASSIFICATION

Michelle Maddaus, Chair
Lisa Cuellar, Staff
Justin Finch, Board Liaison

TASK FORCE: LANDSCAPE

Kristin Bowman, Chair
Lisa Cuellar, Staff
Rick Foster, Board Liaison

RESEARCH COMMITTEE

Matt Dickens, Chair*
Michelle Maddaus, Vice Chair*
Linda Vo, Staff
Charles Bohlig, Board Liaison

TASK FORCE: EM&V

Matt Dickens, Chair
Linda Vo, Staff

TASK FORCE: PBMP v2

TBD, Chair
TBD, Vice Chair
Linda Vo, Staff
Expected in 2023

BOARD COMMITTEES

ADVOCACY COMMITTEE

Terrence McCarthy, Chair
Greg Bundesen, Vice Chair

EQUITY COMMITTEE

Patrick Pilz, Chair
Jenna Shimmin, Vice Chair

DUES COMMITTEE

Amy Talbot, Chair
Justin Finch, Vice Chair

CII Performance Measures in the Regs . . .

State Regulations SB606 and AB1668

“Making Water Conservation a California Way of Life”

Performance Measures for CII water use:

- **CII water use classification system with 19 categories**
- Minimum size thresholds for converting mixed CII meters to dedicated irrigation meters (DIMs) or equivalent technologies.
- Technologies that could be used in lieu of requiring DIMs.
- CII water use best management practices (BMPs)

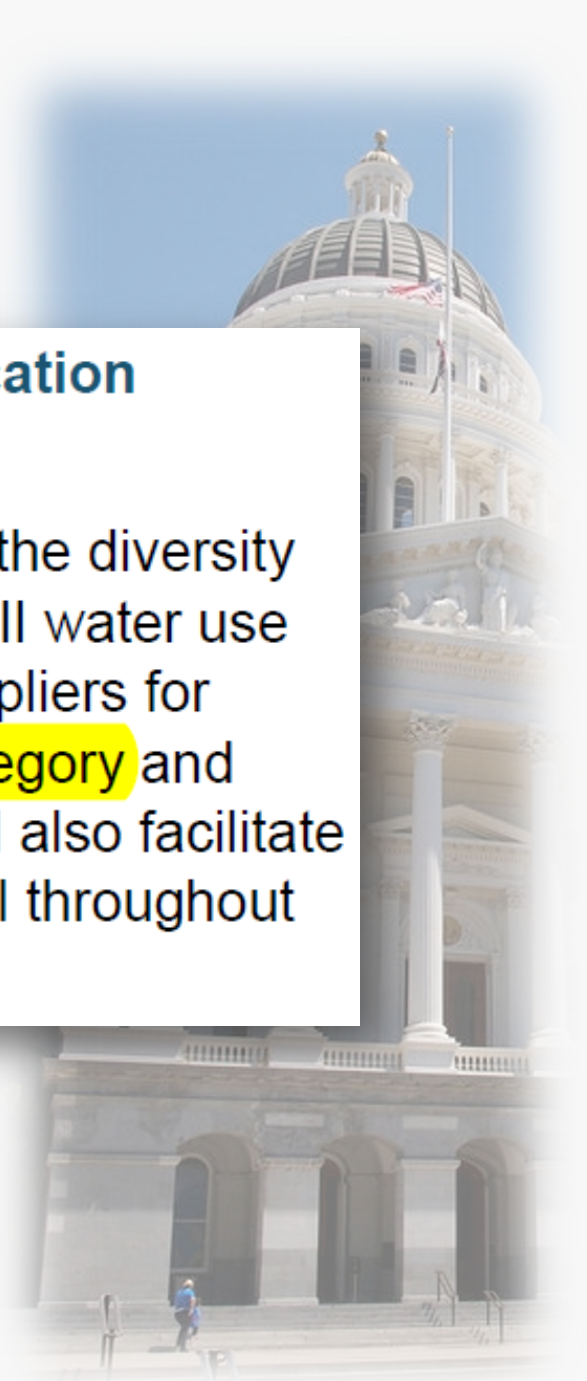


What is the goal? . . . Benchmarking

Use of a Commercial, Industrial, and Institutional Water Use Classification System

As previously described, insufficient information exists to fully understand the diversity and complexities of CII water use. When adopted and implemented, the CII water use classification system will facilitate data gathering by urban retail water suppliers for further understanding of service area-wide water use by CII water use category and corresponding effectiveness of various water conservation practices. It will also facilitate consistent reporting of CII water use on an urban retail water supplier level throughout the State.

Excerpt: WUES-DWR-2021-17



What resources can we expect?

➤ **CaIWEF CII Classification Guidance Document**

Objective

Develop a How -To Guide for reclassifying CII accounts that standardizes the approach and outlines methodologies to improve benchmarking per sector and limit subjectivity between suppliers.

- Draft (mostly) done! Thanks to our dozen contributors.
- Publication anticipated end of March 2023.



CaIWEP CII Guidance Document - Contents

1. Introduction
2. Benefits
3. What to know before you begin
4. Data
5. Approaches
6. Methodology
7. Case Studies
 - 5 case study volunteers using different methods



Snapshot of CII Classification Case Study Summaries:

Supplier	Service Area Connections	CII Accounts	% Classified	Approach	Notes
City of Santa Barbara	27,500	2,750	95%	Manual	6 months to classify 2,600
Placer County Water Agency	41,000	2,760	65%	Manual	Approx. 5 minutes per account
City of Santa Rosa	54,321	4,970	*100% in 2023	Manual	All in-house: 1 FTE; 1 intern; 1 IT, 1 Billing Dept.
Moulton Niguel Water District	54,900	1,836	*Testing 75	GIS	Spatially classifying CII meters carry over to other District departments such as Customer Accounts, Field Customer Service, Cross Connection, Development Services, and Recycled Water.

Submit your Program Committee Agenda Suggestions



CALIFORNIA
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A Chapter of the *Alliance for Water Efficiency*

CalWEP Program Committee - Agenda Suggestions

Let us know which topics you would like highlighted at our PC meetings? Feel free to nominate your program and/or a fellow agency or organization's program to be featured at one of CalWEP's standing 2023 Program Committee meetings. **Please fill out this brief form to submit your idea.** You can submit multiple ideas, but please make sure to submit individually. Typically we can allocate anywhere from 30 minutes to 1 hour for a specific program topic (includes up to 3 speakers and open committee discussion). To help you brainstorm, consider any of the following topics:

Fill out the Google Form – Link posted to Basecamp

- ✓ Public/ Private partnerships (successes, lessons learned)
- ✓ New and innovative pilot programs
- ✓ CII Landscape Area Measurement
- ✓ CII Programs / BMPs
- ✓ Direct-install programs
- ✓ New outreach post rains
- ✓ Non-functional Turf programs/ enforcement
- ✓ Leak programs / AMI communication
- ✓ Long Term Framework (SB 606 & AB 1668) consulting services
- ✓ New tools or calculators (internally or externally developed)



Leadership Opportunities: Get Involved!

Program Committee:

- Chair – **OPEN**
- Vice Chair – **OPEN**
- CII Task Force Lead – **OPEN**

Email: Lisa@CalWEP.org

Water Savings Measurement and Verification Guidance Document Project



Purpose: Develop a guidance document outlining the different methods that can be used to verify the water savings of various water conservation and efficiency programs.

Water Savings Measurement and Verification Guidance Document Project

Problem: Different assumptions that are required to construct a hypothetical amount of water, which then result in different levels of **accuracy** in measured savings.

Inconsistent evaluation methods across California water suppliers prevent the sharing and translation of knowledge in a sector that would greatly benefit from leveraging the funding of their peers to advance water efficiency in California.

Water Savings Measurement and Verification Guidance Document Project

Opportunity: With upfront planning and a focus on M&V included in the roll out of new programs, it will be possible to consistently produce accurate estimates of realized savings.

With more precise savings estimates from each conservation program, and more consistency in M&V approaches across conservation programs, it will increasingly become possible to better select the most impactful programs and target them where they will have the largest savings.

Measurement and Verification Guidance Document – What’s Included?

1. Guidance surrounding the **data requirements** to conduct effective M&V analyses.
2. Succinct overview of the main methodologies for conducting **retrospective M&V analyses** for non-experimental programs that have already been rolled out.
3. Guidance for the **design and implementation** of water efficiency programs in advance of roll-out to ensure that M&V analyses will result in accurate (i.e. unbiased) and precise estimates of the resulting water savings.

Measurement and Verification Guidance Document – What’s Included?

1. Data requirements examples:

- How to determine the minimum number of participants in order to detect an effect of a certain size.
- What data will need to be obtained, for example: Will water consumption need to be observed within non-participating homes, and if so, how many?
- How long before and after the treatments occur will water consumption need to be observed?
- How do these requirements vary with the frequency of the data observed (e.g., monthly billing data vs. AMI data)?
- Will additional information about households be required (e.g., square footage, number of bedrooms/bathrooms)?
- What weather data will be needed (e.g., temperature, precipitation, evapotranspiration) and at what data resolution?

Water Savings Measurement and Verification Guidance Document Project

CalWEP Actions Taken So Far

- ✓ Reviewed by M&V Task Force (within the CalWEP R&E Committee)
- ✓ Approved by full CalWEP Research and Evaluation Committee
- ✓ Reviewed by Board of Directors Task Force
- ✓ Approved by full CalWEP Board of Directors to start fundraising
- ✓ Began fundraising – **Still in NEED (\$\$)**

Help Us Fund the Project



Equity Committee – 2023 Draft Action Items

1. Form a Diversity, Equity and Inclusion statement (similar to AWE)
2. Map membership service areas to identify gaps in underserved communities coverage.
3. Survey our Board
4. Generate a clearinghouse of training resources
5. Evaluate CalWEP programming and prepare materials for speaker prep (Ex. *What are microaggressions and how to avoid them with language?*)

Diversity Equity Inclusion and Justice

What we mean when we say...

- Diversity

Representation across multiple aspects of identity (age, gender, ability, race, sexual orientation, religion, etc.). Diversity as a framework requires creating access for underrepresented individuals in traditionally homogenous spaces.

+ Equity

+ Inclusion

+ Justice

+ Water Equity

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