

# **CII Best Management Practices (BMP) Database**

- **Data Collection & Water Savings Analysis**
- Request for Proposals – Due **February 24, 2025**

# The Why

# Making Conservation a CA Way of Life

- SB 606 and AB 1668, signed in 2018
- Includes water use efficiency Standards and Performance Measures for urban retail water suppliers.
- Performance Measures rely on usage distributions and percentile-based thresholds to identify high water users.
- Performance Measures are more qualitative in nature and will require demonstration and implementation of various conservation measures and programs.



# Performance Measures

- Classify CII Customers
    - By June 30, 2027 – CII water users must be classified into 22 categories
  - Identify High Water Users
    - Option 1: By June 30, 2025 – Identify high water users regardless of classification category
    - Option 2: By June 30, 2027 – Identify high water users for each classification category
    - Option 3: By June 30, 2029 – Identify high water users through Key Business Activity Indicators (KBAs)
  - Best Management Practices
    - By June 30, 2039 - Urban suppliers must implement BMPs for their high-water users
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# BMPs

- Number of BMPs implemented depends on the high water use reporting option selected
  - 97.5<sup>th</sup> percentile need 2 BMP programs per high water user from **EACH** of the 5 BMP categories
  - 80<sup>th</sup> percentile and KBAs need 1 BMP program per high water user from EACH of the 5 BMP categories
- Water suppliers are also asked to describe how much their programs are saving water.

## Categories for Best Management Practices

*This list is not exhaustive, and some programs may address multiple Best Management Practices (BMPs) simultaneously.*

### Outreach, Technical Assistance, and Education

- Direct contacts
- Bill inserts
- Workshops or developing training videos
- Webpage portals
- Cost-effectiveness analysis tools
- Commercials or advertisements
- Grass roots marketing
- Community based social marketing

### Collaboration and Coordination

- “Green” building certification programs
- Land use authorities for landscape designs
- NGOs on outreach and education
- With municipal arborists and tree planting orgs
- Stormwater orgs to install green infrastructure

### Landscape Practices

- Landscape and irrigation management practices
- Irrigation system inspections, audits, or surveys
- Irrigation scheduling and maintenance
- New development landscape support
- Turf replacement with climate-ready vegetation and trees
- Install green infrastructure to offset irrigation

### Operational Practices

- Infrastructure changes (AMI)
- Billing or data collection procedures

### Incentives

- Rebates and cost-sharing programs
- Water efficient customer recognition
- Indoor/Outdoor water use technologies

# The larger solution

## BMP CII Database Mockups

Mockups created using AI, please excuse spelling

# CII BMP Planner - Free Conservation Strategy Builder

CII CUSTOMER TYPES

BMP CATEGORIES

CREATE PLAN

LOGIN / REGISTER

Restaurants

Hotels

Office Buildings

Schools

Car Washes

Grocery Stores

Healthcare Facilities

Manufacturing

## BUILD YOUR CUSTOM CII WATER CONSERVATION PLAN

- ✓ Comply with UWUO
- ✓ Save water & operational costs
- ✓ Get BMPs tailored to your sector

[SELECT BMPs & CREATE PLAN](#)

### Filter By:

Resource Cost

\$

\$ \$ \$

\$

Feasibility

Low

Moderate

High

Estimated Water Savings



Incentive Eligible

Yes

No

### Pre-Rinse Spray Valve Program

Upgrade to high efficiency  
pre-rinse spray valves to  
reduce water use in  
dishwashing operations

**25% Water Savings**

### Irrigation Schedule Audits

Evaluate and adjust irrigation  
schedules to optimize water  
use based on plant requirements  
and weather conditions

**~ 20% Water Savings**

### Selected BMPs

[EXPORT BMP PLAN](#)



## Rebate Program

Offer financial incentives for installing water-efficient equipment.

EST: WATER SAVINGS: HIGH

STAFF RESOURCES: LOW

[+ Add to portfolio](#)

Institutional



## Cooling Tower Optimization

Assistance to customers improve cooling tower use efficiency,

EST: WATER SAVINGS:

Medium

STAFF RESOURCES: Medium

[+ Add to portfolio](#)

Industrial



## Water Use Audit

On-site evaluation of water usage and efficiency within a facility

EST. WATER SAVINGS: VARIABLE

STAFF RESOURCES: HIGH

[+ Add to portfolio](#)

Commercial



## Flume Submeter Rebates

Rebates for installing Flume submeters devices to monitor water use,

EST: WATER SAVINGS: LOW

STAFF RESOURCES: LOW

[+ Add to portfolio](#)

Commercial

# CII Turf Replacement Program

## Description

This program provides incentives to CII customers to replace turf with water-efficient landscaping, such as low-water-use plants, drip irrigation, and mulch.

## Water Use



### Water Savings

Average estimated  
30,000 gall /yea

### Incentive BMPs

Outreach, Technical  
Assistance, and  
Education

### Example Program

ABC Utility

### Program Type

Incentives BMPs

## Program Details

- List out details on what and how
- 
- 
- 
- 
- 

Add to Portfolio

# BMP Finder

BMP Category

Any ▾

Program Type

Any ▾

CII Customer Type

Any ▾

[View Portfolio](#)

 Outreach/Technical Assistance  Incentive  Collaboration  Operational

## Water Efficiency Training

Training workshops on water-saving practices tailored for CII businesses

Water Savings High Impact

Staff Resources 3

Example Agency ABC Water Authority

[Add to Portfolio](#)

## Reservoir Fund Program

Provides rebates to CII customers for installing water-efficient equipment

Water Savings 600 gal/customer/year

Staff Resources 4

Example Agency XYZ Water District

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## CII Turf Replacement

Offers rebates for replacing turf with low water-use landscaping

Water Savings High Impact

Staff Resources 2

Example Agency ABC Water Authority

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## Regional Partnership

Joint conservation programs with neighboring water suppliers for CII users

Water Savings 300 gal/customer/year

Staff Resources 2

Example Agency DEF Water District

[Add to Portfolio](#)

# BMP Portfolio

PRINT

- Restaurants
- Outreach, Technical Assistanse, and Education
- Incentive BMPs

## 7 Programs

<b>Water Audits</b> Outreach, Technical Assistanse, and Education Incentive BMPs	75.000 gal/yr
<b>Pre-Rinse Spray Valve Rebate</b> Outreach, Technical Assistanse, a Education	150.000 gal/yr
<b>Commercial Dishwasher Program</b> Outreach, Technical Assistanse	90.000 gal/yr
<b>Efficient Faucet Outreach</b> Outreach, Technical Assistanse	40.000 gal/yr
<b>Rebate for Efficient Ice Machines</b> Incentive BMPs	80.000 gal/yr
<b>Toilet Direct Instailation</b> Outreach, Technical Assistanse, and Educatio	150.000 gal/yr
<b>Signage and Water Use Displays</b> Outreach, Technical Assistanse, and Educatio	25.000 gal/yr

# Exportable Program Compliance

BMP Category	BMP	Water Conservation Programs for CII Proj						
		Turf Replacement Rebate Program	Spray-to-Drip Irrigation Rebate Program	Outdoor Landscape Surveys	Landscape Device Rebates: Timers, Nozzles, Rain Barrels	Indoor Device Rebates: Toilets, Washers	Flow Monitoring Device Rebates	Industrial Water Savings Rebate (Customized, Based on Savings)
<b>BMP (1) Outreach, Technical Assistance, and Education best management practices</b>	(D) Webpage portals to access information, tools, and rebates							
	(E) Cost-effectiveness analysis tools							
	(F) Commercials or advertisements							
	(G) Grass roots marketing							
	(H) Community based social marketing	X	X		X			
	(I) Other CII-best management practices derived from additional innovation and technology advancement that can be taken by suppliers, subject to Board approval							
<b>BMP (2) Incentive best management practices</b>	(A) Rebates and cost-sharing for replacing inefficient fixtures, equipment, irrigation systems or landscapes with water efficient ones	X	X		X	X		X
	(B) Certification or branding programs that recognize customers as water efficient							
	(C) Incentives for technologies that enable customers to identify, measure, and analyze indoor and outdoor water use						X	
	(D) Other CII-best management practices derived from additional innovation and technology advancement that can be taken by suppliers, subject to Board approval							
<b>BMP (3) Landscape best management practices</b>	(A) Landscape and irrigation management practices to promote improved water use efficiency	X	X	X	X			
	(B) Irrigation system inspections, audits, or surveys							
	(C) Training or guidance on irrigation scheduling and maintenance							
	(D) New development landscape inspection, workshops, and training							
	(E) Programs to remove turf and replace it with climate-ready vegetation	X						
	(F) Programs to decrease urban heat and reduce turf water use by planting trees	X						
	(G) Programs to install green infrastructure such as swales or rain gardens that offset irrigation needs	X						
	(H) Other CII-best management practices derived from additional innovation and technology advancement that can be used by suppliers, subject to Board approval							
<b>BMP (4) Collaboration and coordination best management practices</b>	(A) Coordination with "green" building certification or recognition programs to promote water use efficiency							
	(B) Coordination with land use authorities to check new landscapes design and implementation							
	(C) Collaboration with non-governmental organizations on outreach and education							
	(D) Collaboration with municipal arborists and tree planting organizations to expand and maintain urban forests.							
	(E) Collaboration with stormwater agencies to install green infrastructure such as swales or rain gardens to also offset irrigation needs	X						
	(F) Other CII-best management practices derived from additional innovation and technology advancement that can be taken by suppliers, subject to Board approval							

# The RFP Scope of Work

Filling in the database with programs and water savings numbers

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# Scope of Work

- Task 1: Project Management & Coordination
- Task 2: Existing Conservation Program and BMP Screening and Research
- Task 3: Data Collection and Water Calculations of additional CII BMP Programs

Note: Developing the actual database and the tool is not part of the scope of work.

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# Task 2

## Existing Conservation Program and BMP Screening and Research

- Concept – There are already research and analysis completed on programs
- Goal: Survey existing research and develop program details and water savings for these established and valid numbers/programs
- Objectives:
  - Populate a structured set of BMPs for the database using existing, relevant materials, and publications
  - Extract water savings estimates for BMPs from credible, validated sources (e.g., EBMUD guidebook, past CUWCC reports, device savings studies)
  - Document key conservation program and BMP characteristics and relevant context (e.g., how/when savings were calculated, and any factors that affect savings longevity)
  - Identify and document rationale for confidence levels and time sensitivity of published savings estimates
  - Identify potential conservation program or BMP synergies
  - Ensure Task 2 programs are distinct from those in Task 3, which will focus on deeper calculations or expert-reviewed estimates

# Task 3

## Data Collection and Water Calculations of additional CII BMP Programs

- Concept – Deeper dive is required to provide relevant CII programs and water savings to fully populate out the CII database
- Goal – approx. 40 new BMPs
- Objectives:
  - Active engagement with agencies to gather program examples, which may include surveys, interviews, and case study research.
  - Work with CalWEP's working group for this project (made up of Program Committee and Research & Evaluation Committee members)
  - Review and calculate new programs and water saving assumptions, validate methodologies, and flag saving ranges and caveats.



# Larger Picture

- We want at least **2 programs for each BMP category** that are applicable to many CII customers, or targeting specific industry-known high water users
  - Subcategories required that align with Urban Water Use Objective Report (UWUO)
  - One program addressing multiple BMPs is preferred
  - Understanding provided for how implementation of these programs will work
  - Selected programs should show a breath of resource needs and implementation support
    - I.e. programs selected cannot solely be extremely expensive and staff resource intensive programs
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## Milestone

RFP Release Date

Optional Pre-Proposal Meeting ([via Zoom](#))

Deadline to Submit Questions

Responses to Questions Posted

[Procurement Opportunities » California Water Efficiency Partnership](#)

Proposals Due

Anticipated Consultant Selection

Project Kickoff

## Date

February 3, 2026

February 9, 2026 at 9:30 am

February 13, 2026 at 5:00 pm

February 17, 2026 by 5:00 pm

February 24, 2026 by 5:00 pm

February 27, 2026

March 4, 2026

## Schedule

- Project Schedule
  - March 4, 2026 – estimated start date
  - August 15, 2026 – final approved deliverables
- RFP Schedule

# Questions

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