CALIFORNIA DATA COLLABORATIVE

An Introduction for Wholesale Water Suppliers

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CaDC at a Glance

A nonprofit staffed by data experts and governed by water managers. CaDC was founded to enable data-informed policies and decisions for a resilient water future.

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How the CaDC Works

The CaDC acts like a cooperative

1. Members identify and prioritize common problems
2. CaDC data experts research potential solutions
3. Members and staff collaborate to create a solution (software, research, analysis, etc.)
4. Solutions and tools are available to all members and customized to their data
5. CaDC members (and the water community) benefit

Steering Committee Chairs

Elizabeth Lovsted, SDCWA

Drew Atwater, MNWD

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CaDC Members

Orange County Water District
SINCE 1933

The Metropolitan Water District of Southern California

moulton niguel water district

Santa Margarita Water District

San Diego County Water Authority

City of Sacramento Department of Utilities

Desert Water

ACWD Alameda County Water District

Long Beach Water
Exceptional Water · Exceptional Service

emwd

Town of Hillsborough Incorporated May V ADMCMXX

Calleguas Municipal Water District

Western Water
Powered by water
Driven by service.

Montecito Water District

Crescenta Valley Water District CVWD

Inland Empire Utilities Agency
A Municipal Water District

City of Thousand Oaks

San Bernardino Valley
A Regional Water Agency
Since 1954

Coastside County Water District

Jurupa Community Services District
Proudly serving Jurupa Valley and Eastvale

Water District

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CaDC Collaborators

HARVARD | BUSINESS | SCHOOL
Association of Northern California Community Partners

CONSULATE GENERAL OF DENMARK
Silicon Valley

INNOVATION CENTRE DENMARK

CALIFORNIA INSTITUTE FOR WATER RESOURCES

DataKind®

UCLA Luskin Center for Innovation

NETFLIX

SWAN
SMART WATER NETWORKS FORUM

Water UCI

amazon web services™

California Water Data Consortium

Stanford WOODS INSTITUTE *for the* ENVIRONMENT

Georgia Tech

Berkeley
UNIVERSITY OF CALIFORNIA

ARCADIS

CALIFORNIA WATER EFFICIENCY PARTNERSHIP
A Chapter of the Alliance *for* Water Efficiency

UCDAVIS
Center for Water-Energy Efficiency

ATLASSIAN Foundation

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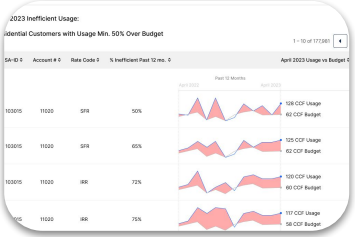
Membership Includes…

Collaboration

- Steering Committee
- Executive Committee
- Action Teams
- Workshops
- Webinars
- Data Summit
- Collab Cafe

Software



- Access to software and resources developed with members

Projects

- Customized tools, data analysis, support for each member

Research

- Analysis of data to find solutions that benefit the entire water industry

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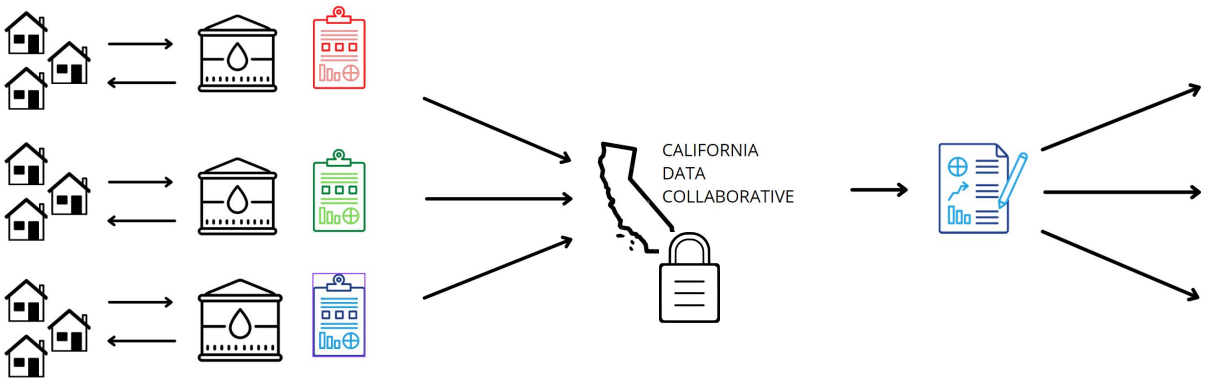
CaDC Members Pool Resources and Benefit

Member agencies collect their own data

CaDC establishes relationships with agencies and helps them clean and pool data

CaDC deploys analytics and resources

Multiple water management benefits



- **Measure program performance**
- **Comply with state regulations**
- **Improve water resource planning**
- **Common data picture enables coordination**

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Members' Analytics Projects

Members get access to data scientists to develop customized projects to address specific data needs.

San Diego County Water Authority

Electronic Annual Reporting

Converted the State reported retailer production data into a useable format for wholesalers

moulton niguel water district

Billing Adjustments

Developed a custom software tool that reduced staff time 80% for billing adjustments

MONTECITO WATER DISTRICT

Water Use Objective Compliance

Developed new tools to estimate irrigated area for CII-DIMs, classify CII customers, identify CII-MUMs and calculate Water Use Objective

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AMI Drought Management

Developed a tool to automate drought irrigation violations to help meet the 50% water reduction target

Failing Meter Revenue Recoup

Demand data was used to identify failing registers and helped recoup $1.5mi in lost revenue

Dead End Alerts

Developing automated tool to identify dead ends that need to be turned over

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Imported Water Shortage Plan

Developed a tool to allocate limited stored supplies during an import shortage to meet health and safety requirements

Regulatory Data Analysis

Developed a tool to quickly analyze the accuracy of individual water supplier's Landscape Area Measurement for compliance with the Water Use Objective

CII DIM Guidebook

Developing a guidebook for identifying dedicated irrigation meters to meet Water Use Objective

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Research

CaDC partners with a global network of leading data science and water management experts to undertake studies that empower water managers to make data-driven decisions and influence policy.

- *Economic Feasibility of Installing Dedicated Irrigation Meters for CII customers*
- *Equity and Efficiency Impacts of Budget Based Rates*
- *How Much Water Does Turf Removal Save?*
- *Water Rate Survey and Analysis*

UNIVERSITY OF CALIFORNIA SANTA CRUZ

STANFORD BUSINESS GRADUATE SCHOOL OF

PennState

UC DAVIS CENTER FOR WATER-ENERGY EFFICIENCY

Georgia Tech

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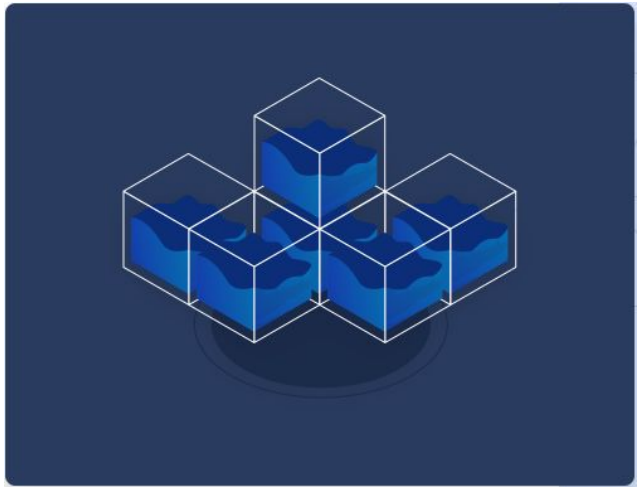
Wholesale Dues for FY 24-25

Service Area Population	Dues
Less than 1 million	$11,000
1 - 3 million	$16,500
More than 3 million	$22,000



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Learn More

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CaliforniaDataCollaborative.org

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