



# CALIFORNIA DATA COLLABORATIVE

*An Introduction for Wholesale Water Suppliers*

# 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.



# 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

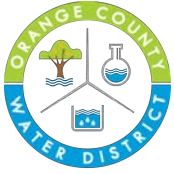


Elizabeth Lovsted,  
SDCWA



Drew Atwater, MNWD

# CaDC Members



SINCE 1933

City of  
**SACRAMENTO**  
Department of Utilities



THE METROPOLITAN WATER DISTRICT  
OF SOUTHERN CALIFORNIA



Santa Margarita  
Water District



San Diego County  
Water Authority



Long Beach Water  
Exceptional Water • Exceptional Service



A REGIONAL WATER AGENCY  
SINCE 1954



# CaDC Collaborators



HARVARD | BUSINESS | SCHOOL

Association of Northern California  
Community Partners



Luskin Center  
for Innovation



CONSULATE GENERAL INNOVATION  
OF DENMARK CENTRE  
*Silicon Valley* DENMARK

NETFLIX



DataKind®





# 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

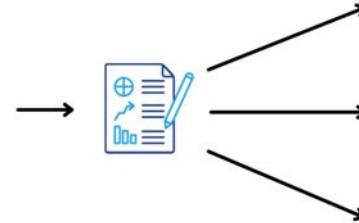
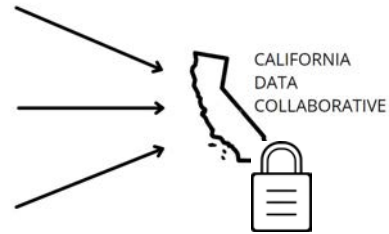
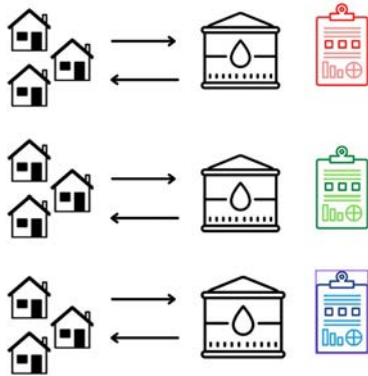
# CaDC Members Pool Resources and Benefit

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

# Members' Analytics Projects

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



## Electronic Annual Reporting

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



## Billing Adjustments

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



## 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



# Members' Analytics Projects

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



## 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

# Members' Analytics Projects

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



## 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

# 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**



**PennState**



**UC DAVIS**

CENTER FOR WATER-ENERGY EFFICIENCY

**STANFORD** GRADUATE  
**BUSINESS** SCHOOL OF

**Georgia  
Tech**



# 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



# Learn More

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[CaliforniaDataCollaborative.org](https://CaliforniaDataCollaborative.org)

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