

Water Managers Meeting



Overview

- Integrated Water Resources Plan (IRP) Phase 2
 - Projects List
 - Regional Infrastructure Schematic
 - Master Services Contract
- SARCCUP
- CIMIS Station Installation
- California Data Collaborative
- Proposition 84



IRP Phase 2

IRP Phase 2

Issues & Challenges

- Reassess issues and challenges from Phase 1 to establish performance benchmarks
- Update project attribute tags

Project List

- Collect projects from local retail agencies
- Develop a “living” regional project list
- List will be used by Grants Dept

Project Benefit Analysis

- Develop Financial Plan for IRP project(s) implementation
- Establish performance benchmarks in 5-year increments

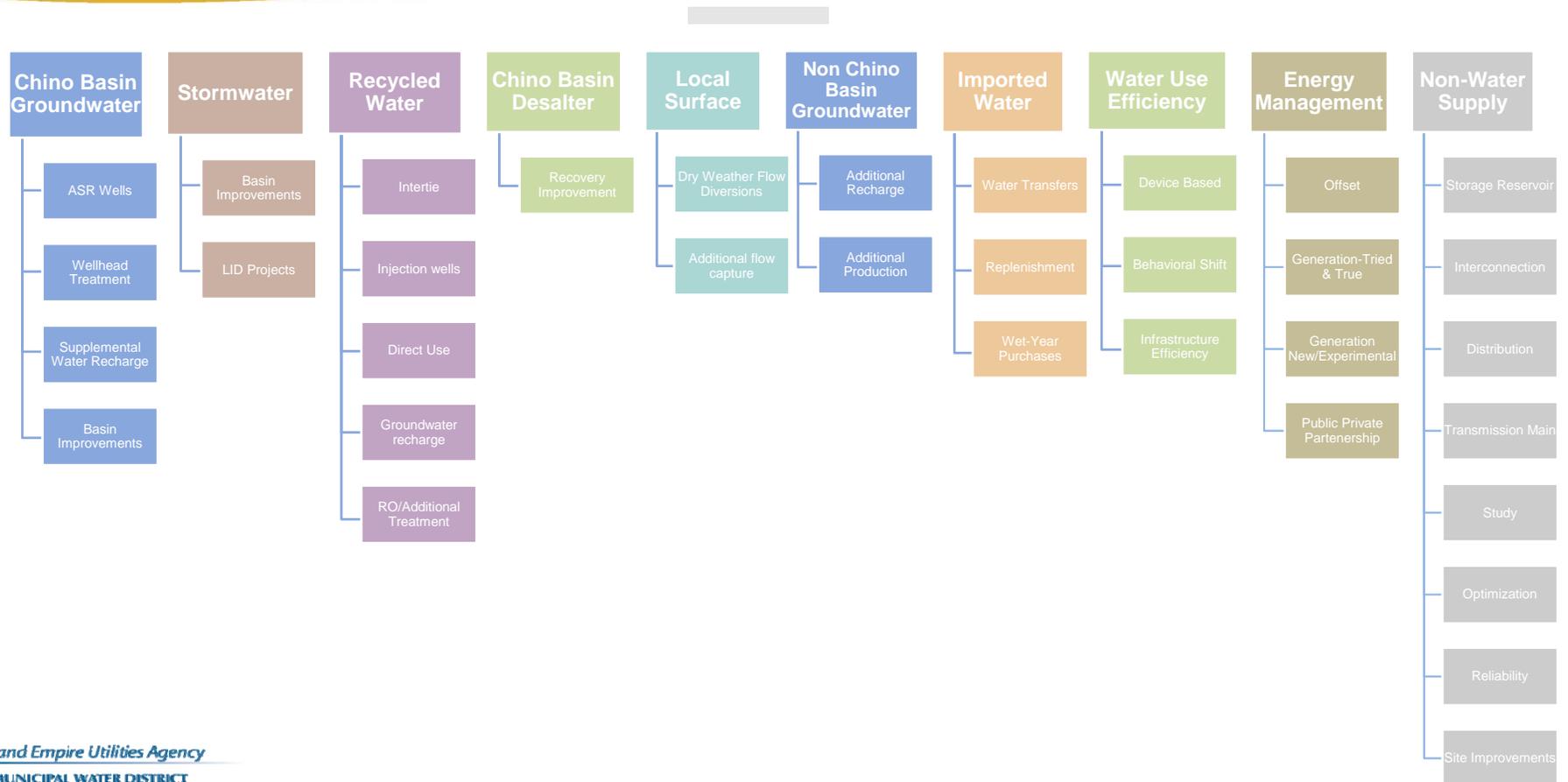
Funding Opportunities

- Submit Proposition 1 Application in April 2017
- Identify additional funding sources such as SRF Loans and other Grants

Member Agency Meetings

Agency	Projects List	Infrastructure Schematic
CBWM	✓	N/A
Chino	✓	✓
Chino Hills	✓	✓
CVWD	✓	✓
Fontana Water Co.	✓	✓
MVWD	✓	✓
Ontario	✓	✓
SAWCo.	✓	✓
Upland	✓	✓
WFA	✓	✓

Project Categories



Member Agency Key Information

Key Information	% Info Received
Attributes	100%
Categories (Project Types)	100%
Description	94%
Estimated Cost	95%
<i>Environmental Document Status</i>	46%
<i>Yield (AF)</i>	17%
<i>Anticipated Project Start Date</i>	5%
<i>Anticipated Project In Operation</i>	1%



Regional Schematic Effort

Information

- Existing interconnections
- Potential interconnections
- Flow directions
- Dimensions
- Additional information?

Moving Forward

- Modeling
 - MWD (WSAP, DYY)
 - State call
 - Catastrophe/interruptions
- SARCCUP
- Water Bank
- Other potential uses

Draft Regional Schematic

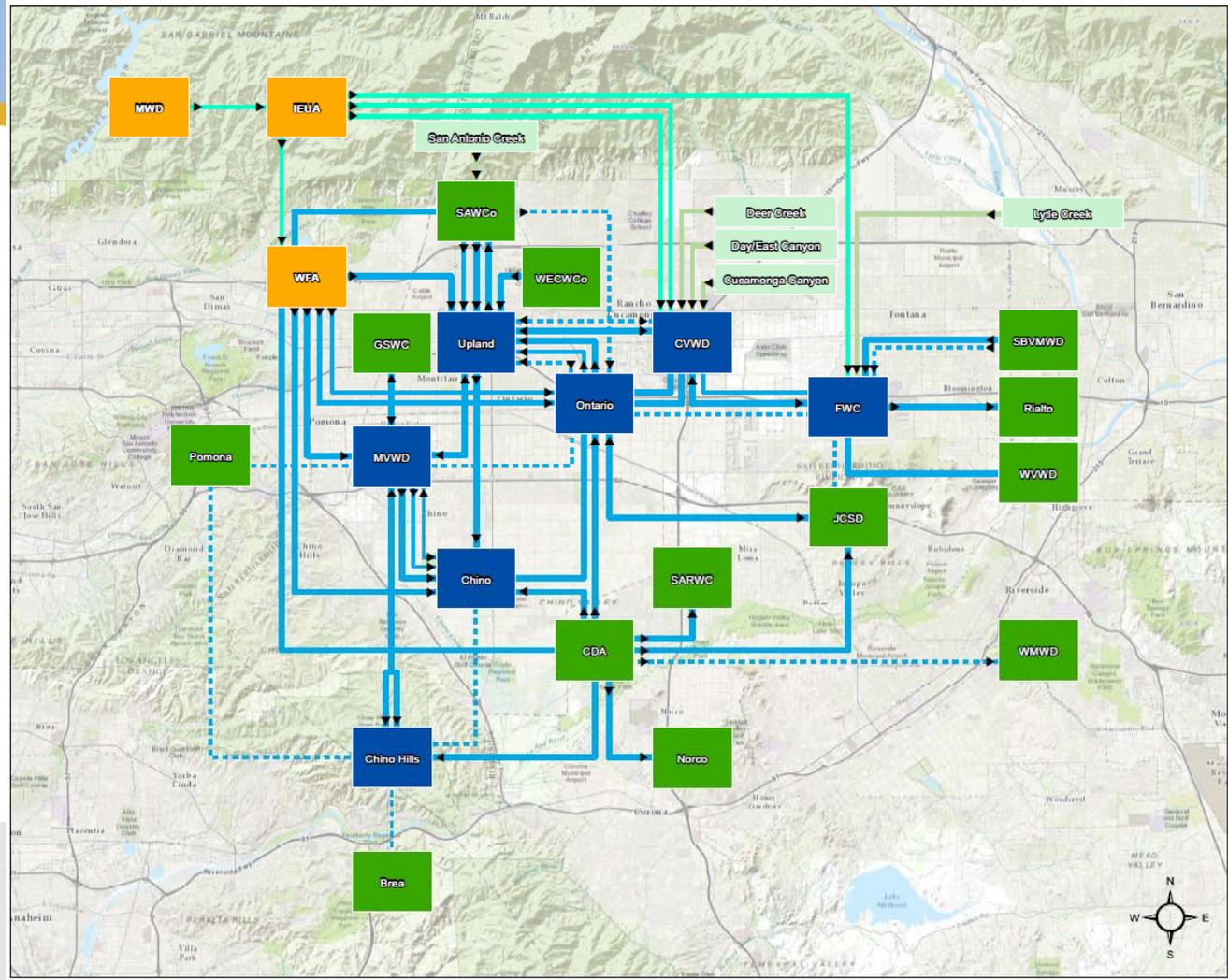
IEUA Service Area Potable Water Interconnections Map

March 2017



- Legend**
- ▶ Flow Direction
 - Orange Box Wholesale Agency
 - Blue Box Member Agencies
 - Green Box External Agency
 - Light Green Box Surface Water
- Pipelines**
- Thick Blue Line Primary Interconnection
 - Thin Blue Line Secondary Interconnection
 - Dashed Blue Line Potential Connection
 - Thick Cyan Line Imported Water
 - Thin Green Line Surface Water

Abbreviations for Agencies:
 CVWD: Cucamonga Valley Water District
 FWC: Fontana Water Company
 GSWC: Golden State Water Company
 IEUA: Inland Empire Utilities Agency
 JCSD: Jurupa Community Service Water District
 MVWD: Monte Vista Water District
 MWD: Metropolitan Water District of Southern California
 SARWC: Santa Ana River Water Company
 SAWCo: San Antonio Water Company
 SBVMWD: San Bernardino Valley Water District
 WECWCo: West End Consolidated Water Company
 WFA: Water Facilities Authority



Master Contracts

- November 10, 2016, issued RFP
 - Category 1: Integrated Water Resources Management
 - Category 2: Groundwater Planning
 - Category 3: Water Bank Program Management
 - Category 4: Project Cost Valuation
- December 8, 2016, IEUA received 15 proposals
 - Evaluation Committee: Member Agencies and IEUA
- February 15, 2017 Board approved contracts to:
 - Arcadis, CH2M HILL, Carollo, Kennedy/Jenks, Thomas Harder & Co., Daniel B. Stephens & Associates, INTERA, and Michael Baker International

Proposed Work Requests

- IRP Phase 2 (Cat. 1)
 - infrastructure modeling, project benefit analysis and costing
- SARCCUP (Cat. 1)
 - Well siting and design
- Third party QA/QC for various modeling efforts (Cat. 2)
 - SAR, water bank, SARCCUP, ect.
- Water bank development (Cat. 3)
- IRP Phase 2 (Cat. 4)
 - Project funding evaluations

Proposition 1

- To support the Chino Basin Water Bank Proposal:
 - local infrastructure schematic
 - “simplified model” scenarios
 - capital project lists
 - schedule and costs

Next Steps

Oct-Dec

- ✓Issues & Challenges Review
- ✓Project List Compilation
- ✓Infrastructure schematics

Jan- Mar

- Infrastructure single-line schematic (*In Progress*)
- Projects updated in database (*In Progress*)
- Initiate Financial Evaluation (*Master Contracts Awarded*)

Apr-May

- Refine and finalize single-line schematic
- Initiate Project benefit analysis
- Establish performance benchmarks in 5-year increments

Spring
2018

- Completion of IRP Phase 2
- Completion of as needed analysis for Chino Basin Water Bank

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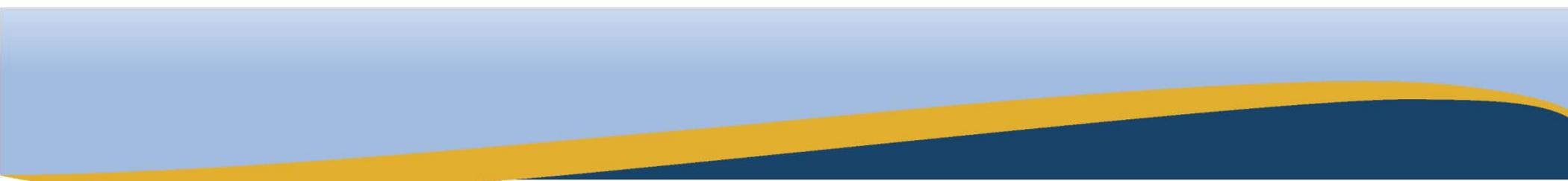
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Apr-Mar
2018

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Spring
2018

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SARCCUP

SARCCUP Update

Project Overview:

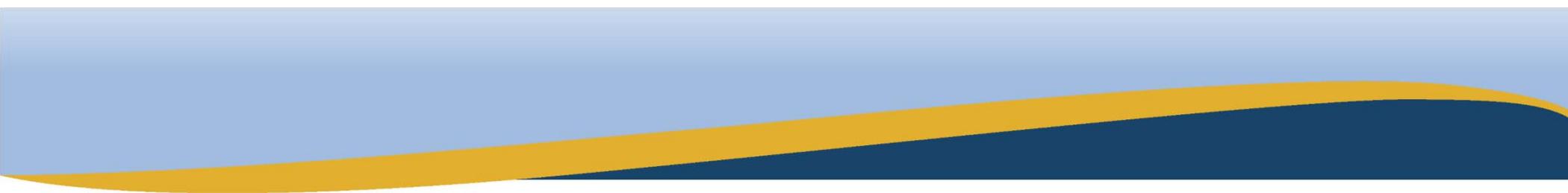
- Optimization modeling complete
 - Recommended to remove Baseline feeder and Elsinore wells
- Contract amendment will be issued to perform alternative project evaluation

CEQA Update:

- NOP close on January 12, 2017
 - 20 comment letters received
- The draft EIR will be developed that adequately addresses the NOP comments received
- Draft EIR scheduled for Summer 2017

SARCCUP Update – Next Steps

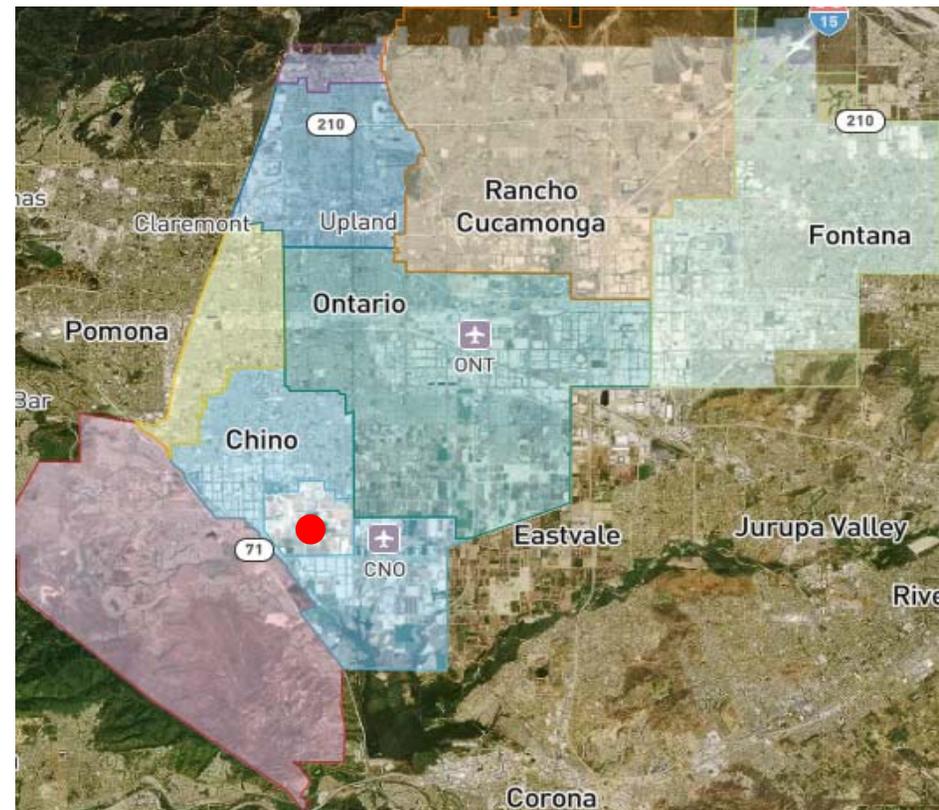
- Finalize SAWPA agreements
 - Grant and reimbursement (postponed to 2018)
- Final SBVMWD-MWD agreement
 - SBVMWD to sell surplus SWP to MWD for SARCCUP purchase
- Complete alternative project evaluation and SARCCUP Master Plan
- Commence discussion with Member Agencies
 - Local project use and constraints



CIMIS Station Installation

Installation of a CIMIS (ET) Weather Station (California Irrigation Management Information System)

- Approved license agreement for DWR CIMIS station at the Chino Men's Prison agricultural fields (operated by Cal Poly Pomona)
- DWR classifies the site as "ideal"
- Installation May, 2017



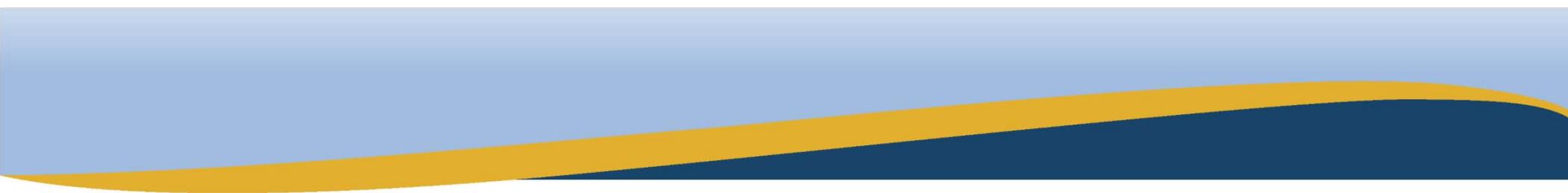
● Location of CIMIS station

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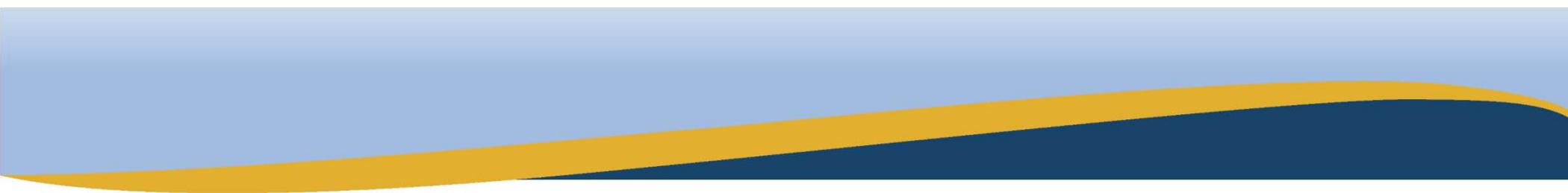
- Closest CIMIS stations in Pomona, Riverside and Irvine
- Daily/monthly ET data available for free at: <http://www.cimis.water.ca.gov/>
- The data will be useful to:
 - Farmers and landscapers for irrigation scheduling
 - Owners of “smart” irrigation controllers
 - Water providers for calculating & reporting efficiency targets
 - Watermaster for monitoring basin water loss



Example CIMIS station in Alfalfa



California Data Collaborative Update

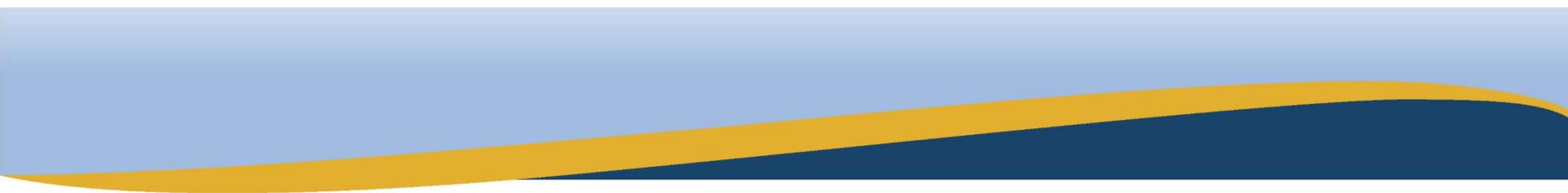


Proposition 84 Drought Round Update

Proposition 84 Drought Round

Project Status Update

- Grant: \$12.9M – Total Project Cost: \$23.5M
- High Visibility Turf Removal & Retrofit
 - IEUA = 100% (\$807,564) / Project: 59%
- Aerial Mapping
 - Project: 100% / Chino, Chino Hills, CVWD, Fontana, MVWD
- Web-based Water Consumption Reporting
 - MVWD and Ontario / Upland and Chino Hills
- Conservation Based Rate Structure
 - Chino, Chino Hills, and CVWD
- Grant Completion Deadline: June 2018



Future Meeting Topics

Next Meeting
April 26th, 2017
12:00-1:30 PM