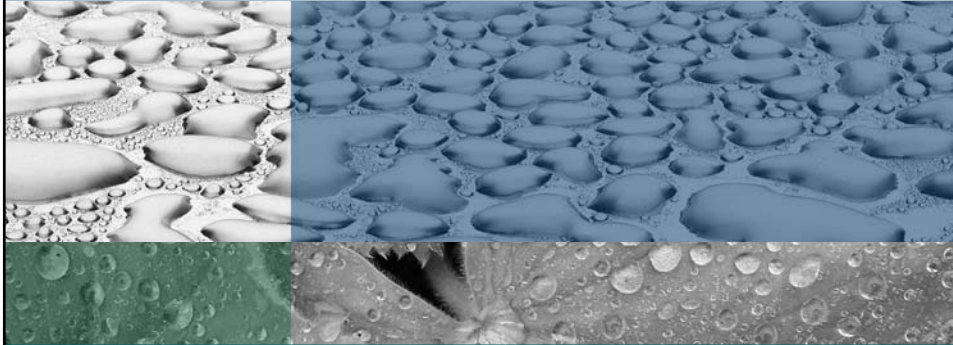


*Joint IRWM Plan Update
Workshop #4 &
San Diego IRWM Program
RAC Meeting #73*



April 4, 2017

Agenda

- Welcome and Introductions
- San Diego RWQCB Update
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San Diego Regional Water Quality Control Board Update

Laurie Walsh, San Diego Regional Water Quality Control Board

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San Diego Basin Study

Sarah Brower, City of San Diego

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Statewide IRWM Updates

- Prop 1 IRWM Implementation Grants
- Round 1 (*tentative!*):
 - Draft PSP in May 2018;
 - Final PSP in Summer 2018;
 - Funding Area Workshops Summer – December 2018;
 - Applications due December 2018;
 - Round 1 Grant Awards in 2019
- Round 2 begins in 2020 (*tentative!*)

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Work Plan & Schedule

Aug 2018	Public Draft – Phase 1
Nov 2018	Final IRWM Plan – Phase 1
Dec 2018	IRWM Plan – Phase 1 Adoption
Dec 2018	Final SWCFS & DAC Needs Assessment
Jan 2019	Public Draft – Phase 2
May 2019	Final IRWM Plan – Phase 2
July 2019	IRWM Plan – Phase 2 Adoption
Feb 2020	DAC Water Stories

RAC Input (tentative)

✓ Oct 2017	Technical Dev. Areas, Example Projects, Data Needs
✓ Dec 2017	DAC Definitions, Regional Water Supply Security
✓ Feb 2018	Plan Objectives, Scoring Criteria
✓ Apr 2018	Region Description, Data & Technical Analysis
Jun 2018	Climate Change, Implementation Actions
Aug 2018	Draft IRWM Plan – Phase 1
Oct 2018	Comments/Responses on Draft IRWM Plan – Phase 1
Dec 2018	Final SWCFS, Final Regional DAC Needs Assessment, Imp. Actions
Feb 2019	Draft IRWM Plan – Phase 2
Apr 2019	Comments/Responses on Draft IRWM Plan – Phase 2

Chapter 9: Revised Scoring Criteria

- Scoring Criteria used for objective evaluation and separating projects into Tier 1 and Tier 2 for further consideration
- Revisions considered inclusion of Technical Development Areas, climate change, and RAC input from February meeting



See Handout for Revised IRWM Plan Scoring Criteria

New Climate Change Scoring Criteria

Resiliency to Climate Change

Reduces very high or high priority vulnerability to climate change AND improves knowledge and capacity AND implements climate change mitigation (4 pts)

Reduces medium, low, or very low priority vulnerability to climate change AND either 1) improves knowledge and capacity OR 2) implements climate change mitigation (3 pts)

Improves knowledge and capacity AND implements climate change mitigation (2 pts)

Improves knowledge and capacity OR implements climate change mitigation (1 pt)

Resiliency to Climate Change

- 2013 San Diego IRWM Plan includes a Climate Change Study (Appendix 7-D)
 - Prioritized climate change vulnerability issues
 - Identified Tier 1 climate change management strategies
 - Determined performance measures/metrics for climate change management strategies



See Handouts for Climate Change Vulnerabilities

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Chapter 3: Region Description

- Characterization of water resources throughout the region
- Discussion of regional economy, population demographics, and climate



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Major Conceptual Changes

- Major conceptual revisions:
 - More robust and integrated discussion of climate change
 - Emphasis on certainty of recycled water and potable reuse
 - Updating chapter with most recent data from on-going projects, and regional and state-wide planning documents



Major Water Infrastructure Updates

- Three major potable reuse efforts:
 - City of San Diego's Pure Water Program
 - City of Oceanside's Pure Water Program
 - Padre Dam Municipal Water District's Advanced Water Purification Program
- Two major desalination efforts:
 - Sweetwater Authority's Richard A. Reynolds Groundwater Desalination Facility
 - Claude "Bud" Lewis Carlsbad Desalination Plant online

Others we should highlight?

Major Water Infrastructure Updates (cont.)

- Storage
 - San Vicente Dam raise completed
- Regional Stormwater Green Streets
 - Mapleview Street
 - Woodside Avenue
 - Sweetwater River Park Bioretention
 - Low Impact Development Urban Runoff Control Projects for the Tijuana Estuary
 - South Santa Fe Green Street Project

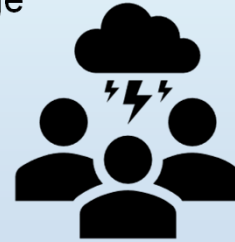
Others we should highlight?

SGMA – Basin Prioritization

Groundwater Basin	CASGEM Priority	Designated Monitoring Entity	GSA Name	GSA Members
Santa Margarita Valley	Medium	USMCB Camp Pendleton	-	-
San Luis Rey Valley	Medium	County of San Diego	Pauma Valley GSA	County of San Diego, Pauma Valley Community Services District, Yuima Municipal Water District, and Upper San Luis Rey Resource Conservation District
San Pasqual Valley	Medium	City of San Diego	San Pasqual Valley GSA	County of San Diego and City of San Diego
San Diego River Valley	Medium	Padre Dam Municipal Water District	San Diego River Valley GSA	County of San Diego, City of San Diego, Lakeside Water District, and Padre Dam Municipal Water District

Water Management Issues and Conflicts

- Added water management issue:
DAC Water Systems
- Additional potential conflicts,
particularly around stormwater,
recycled water, and climate change



IRWM Plan Phase 2 Updates

- Majority of DAC updates to occur in Phase 2 of Plan Update
 - DAC definitions and map have already been incorporated
- Majority of stormwater updates to occur in Phase 2 of Plan Update
 - Table 3-28 has been updated to reflect SWRP – High Priority Dry and Wet Weather Conditions

Chapter 10: Data and Technical Analysis

- 2013 IRWM Plan Chapter 10
 - Describes data collection, storage, and dissemination process
 - Describes the Region's data management system (DMS) as originally envisioned



Proposed Revisions to DMS Discussion

- Proposed revisions
 - Highlight OPTI and WaterGIS as Region's DMS
 - Planned OPTI updates include collection of Project Completion reports and feature showing funded projects
 - Describe current process of updating OPTI
 - Address results of DMS planning process that determined original DMS not feasible



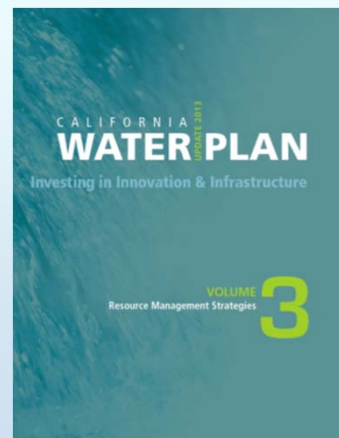
Chapter 6: Governance and Stakeholder Involvement

- Revised to include activities since the 2013 IRWM Plan Update
- Added DAC Needs Assessment stakeholder involvement approach



Chapter 8: Resource Management Strategies

- Incorporates California Water Plan 2013 Update
- Three additional resource management strategies (RMS)
 - Sediment Management
 - Outreach and Engagement
 - Water and Culture
- Region-specific “Stakeholder and Community Involvement” incorporated into “Outreach and Engagement”



Chapter 8: RMS Examples

- Sediment Management
 - San Diego Healthy Headwaters Restoration Project
- Outreach and Engagement
 - DAC Needs Assessment and DAC Speakers Bureaus
- Water and Culture
 - “*Tribal Water Stories*” educates on the connection between local Tribes and their water resources



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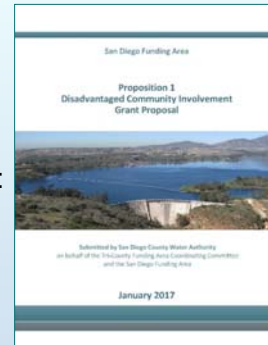
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Current Status: DAC Needs Assessment

- Anticipated schedule:
 - Definitions and Mapping:
November 2017 – March 2018
 - DAC Outreach and Presentations:
April – September 2018
 - Draft Regional DAC Needs Assessment:
December 2018
- Kickoff with NGO Partners held
March 2018
- Next steps:
 - Updating DAC contact list
 - Scheduling Speakers Bureaus



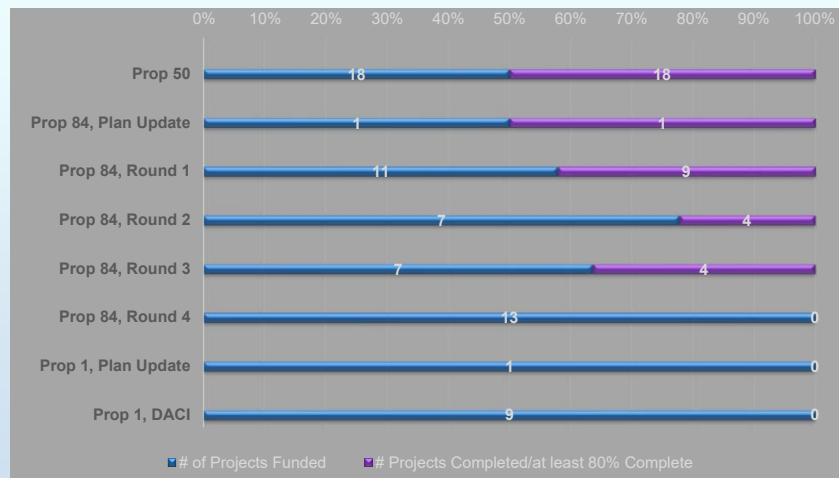
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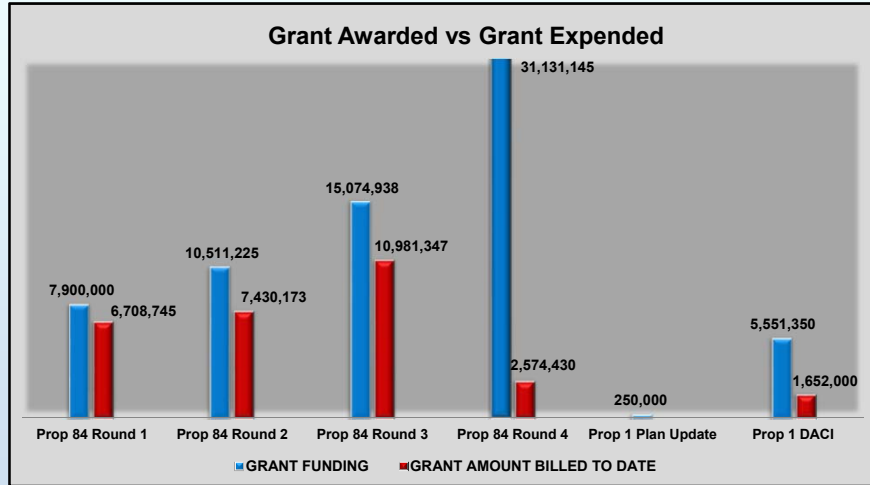
IRWM Grant Program Grant Funding Summary

Funding Source	Grant Award (\$)	# of Projects Funded	# Projects Completed/ at least 80% Complete	Grant Billed to DWR (\$)
Proposition 50	\$25.0M	18	18	\$24.9M
Proposition 84, Plan Update	\$1.0M	1	1	\$1.0M
Proposition 84, Round 1	\$7.9M	11	9	\$6.7M
Proposition 84, Round 2	\$10.5M	7	4	\$7.4M
Proposition 84, Round 3	\$15.1M	7	4	\$10.9M
Proposition 84, Round 4	\$31.1M	13	0	\$2.5M
Proposition 1, Plan Update	\$250K	1	0	\$0
Proposition 1, DACI	\$5.5K	9	0	\$1.6
Total	\$96.4M	67	36	\$55.0M

IRWM Grant Program Project Completion Status per Funding Round



Propositions 84 and 1 Grants (Active Grants)



PROPOSITION 84 IMPLEMENTATION, ROUND 1

Proposition 84 Implementation, Round 1

Project 1 - Sustainable Landscape Programs



Proposition 84 Implementation, Round 1

Project 1 - Sustainable Landscape Programs



Proposition 84 Implementation, Round 1

Project 7 - Bannock Avenue Neighborhood Streetscape Enhancements for Tecolote Creek Watershed Protection



Proposition 84 Implementation, Round 1

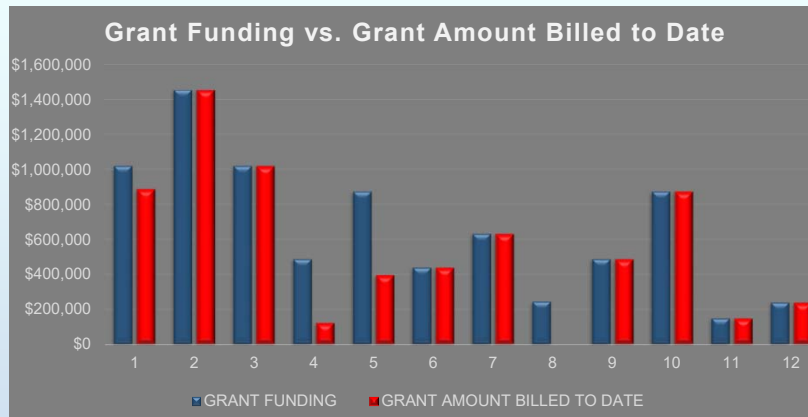
Project 7 - Bannock Avenue Neighborhood Streetscape Enhancements for Tecolote Creek Watershed Protection

Little to no flow from Bannock Ave where the BMPs were installed



Substantial flow from Genesee Ave where no BMPs are installed.

Proposition 84 Implementation, Round 1



Total Costs Billed \$6.4M

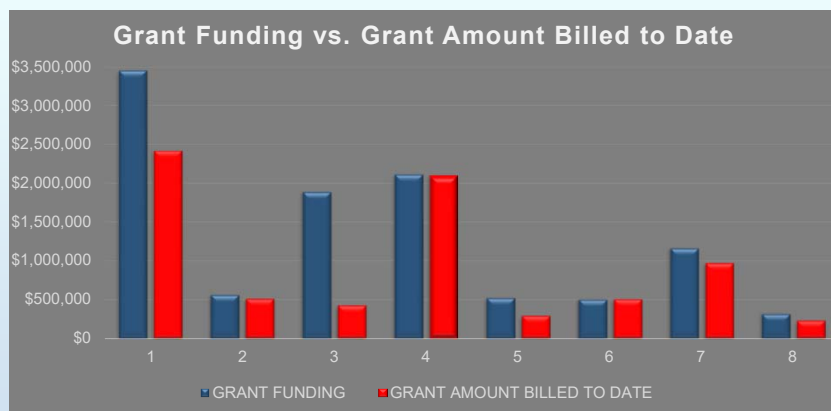
PROPOSITION 84 IMPLEMENTATION, ROUND 2

Proposition 84 Implementation, Round 2

Project 5 - Sustaining Healthy Tributaries to the Upper San Diego River



Proposition 84 Implementation, Round 2



Total Costs Billed \$7.4M



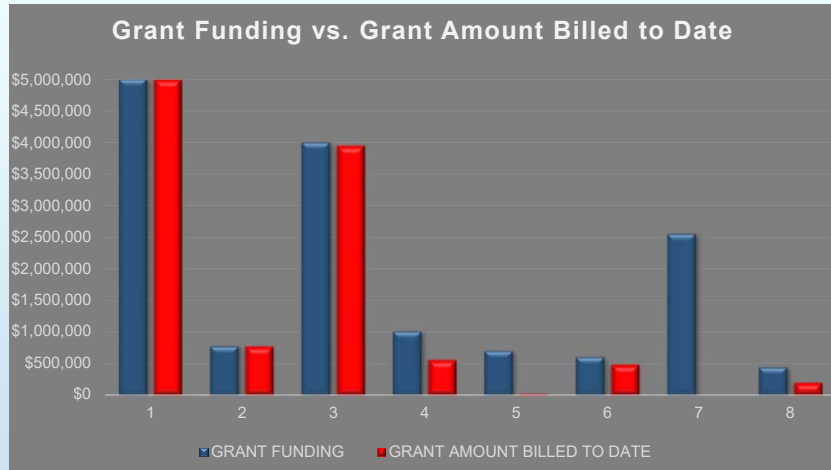
PROPOSITION 84 IMPLEMENTATION, ROUND 3



Proposition 84 Implementation, Round 3

- **Significant Milestones:**
 - Construction nearly complete
 - Project 1: Reynolds Groundwater Desalination Facility Expansion
 - Project 3: Carlsbad Recycled Water Plant and Distribution System Expansion
 - WaterSmart Program customer communication tool
 - Project 6: Rincon Customer Driven Demand Management Program
- **Upcoming:**
 - Complete monitoring and testing
 - Continue outreach
 - Finalize list and promote leak detection notification

Proposition 84 Implementation, Round 3



Total Costs Billed \$10.9M

PROPOSITION 84 IMPLEMENTATION, ROUND 4

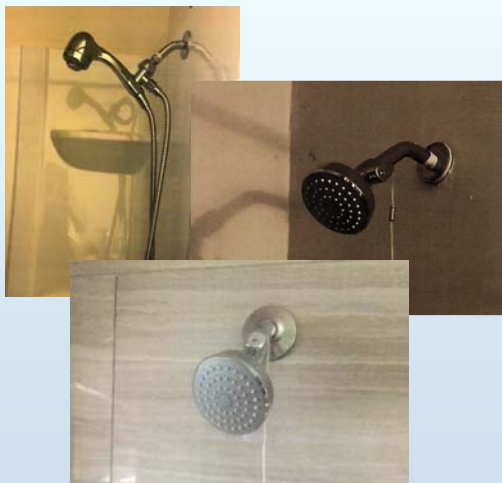
Proposition 84 Implementation, Round 4

Project 7 – UCSD Water Conservation & Watershed Protection

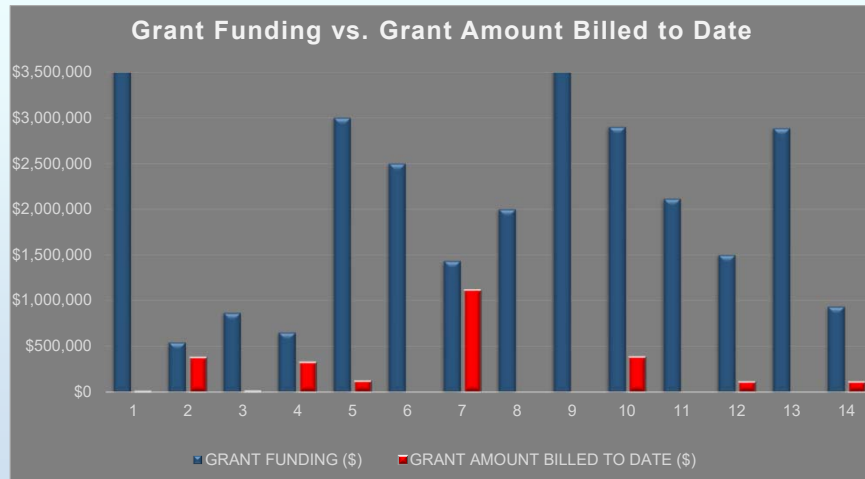


Proposition 84 Implementation, Round 4

Project 2 – Conservation Home Makeover in Chollas Creek Watershed



Proposition 84 Implementation, Round 4



Total Costs Billed \$2.5M

PROPOSITION 1, PLAN UPDATE

Proposition 1 Plan Update

- Significant Milestones:
 - Progress Report No. 1
 - Climate Change framework, DAC/URC definitions, Plan chapters updates
 - Stormwater modeling results and technical feasibility analysis
- Upcoming:
 - Stormwater use alternative costs analysis and prioritization work
 - Plan Outreach workshops

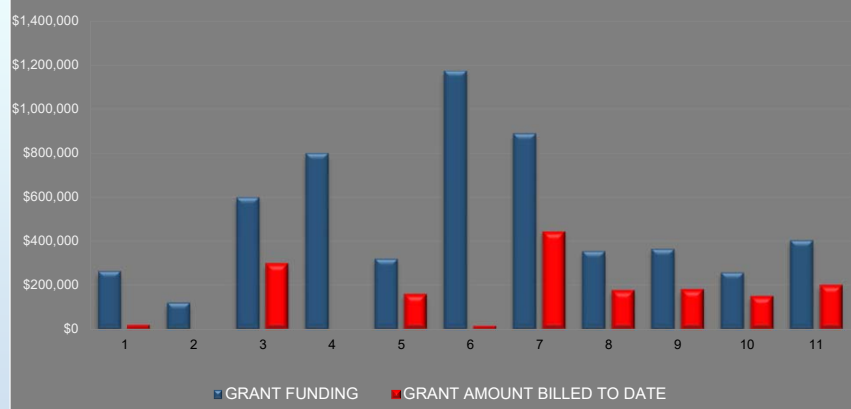
PROPOSITION 1, DISADVANTAGED COMMUNITY INVOLVEMENT (DACI)

Proposition 1 Disadvantaged Community Involvement (DACI)

- Significant Milestones:
 - One-on-One Webtool training
 - Partner agreements approved
 - 1st Progress Reports, advance payment request and reimbursement invoices received
 - DAC Needs Assessment Kickoff
- Upcoming:
 - Approval of remaining LPS agreements
 - Receipt of advance funding
 - Continued planning activities and outreach

Proposition 1 DACI

Grant Funding vs. Grant Amount Billed to Date



Total Costs Billed \$1.6M
\$1.5M in advance funding

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Stormwater Capture & Use Feasibility Study Update

Stephanie Gaines, County of San Diego

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Public Comments

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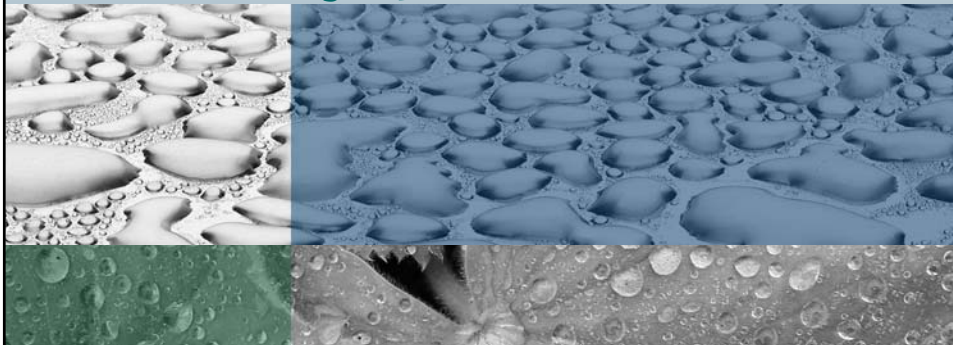
Current Funding Opportunities

Project Types	Deadline	Website
SWRCB Groundwater Sustainability		
Category 1: Groundwater sustainability for Severe DACs Category 2: GSP planning and development	Round 2 concept solicitation opens April 2018	https://www.waterboards.ca.gov/water_issues/programs/grants_loans/proposition1/groundwater_sustainability.shtml
USBR Title XVI / Water Infrastructure for Improvements to the Nation (WIIN) Grant		
Water reuse/reclamation projects with an USBR-approved Title XVI Feasibility Study	Spring/Summer 2018 (anticipated)	https://www.usbr.gov/watersmart/title/
USBR WaterSMART Grants		
Water and Energy Efficiency Grants	May 10, 2018	https://www.grants.gov/web/grants/view-opportunity.html?oppld=301904
Small-Scale Water Efficiency Projects	July 31, 2018	https://www.grants.gov/web/grants/view-opportunity.html?oppld=301905
Water Marketing Strategy Grants	July 17, 2018	https://www.grants.gov/web/grants/view-opportunity.html?oppld=301914

2018 Meeting Schedule

- Next RAC Meeting: June 6, 2018
 - 2018 Meeting Schedule:
 - August 1
 - October 3
 - December 5
- Regular Meetings Held First Wednesday of Every Other Month -**

Joint IRWM Plan Update Workshop #4 & San Diego IRWM Program RAC Meeting #73



April 4, 2017