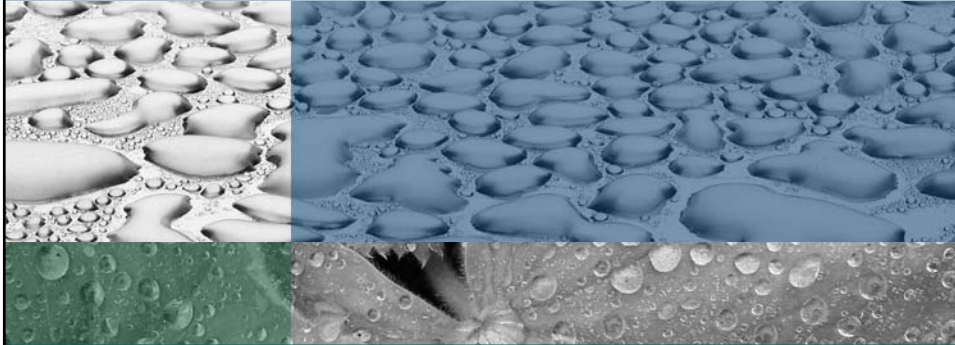


*Joint IRWM Plan Update
Workshop #3 &
San Diego IRWM Program
RAC Meeting #72*



February 7, 2017

Agenda

- Welcome and Introductions
- San Diego RWQCB Update
- Stormwater Capture & Use Feasibility Study 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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Stormwater Capture & Use Feasibility Study Update

Stephanie Gaines, County of San Diego

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Statewide IRWM Updates

- Changes in DWR leadership
- End of Gov. Brown's term – what does it mean to IRWM?
- DWR Implementation Coordination Workgroup
- IRWM Roundtable of Regions

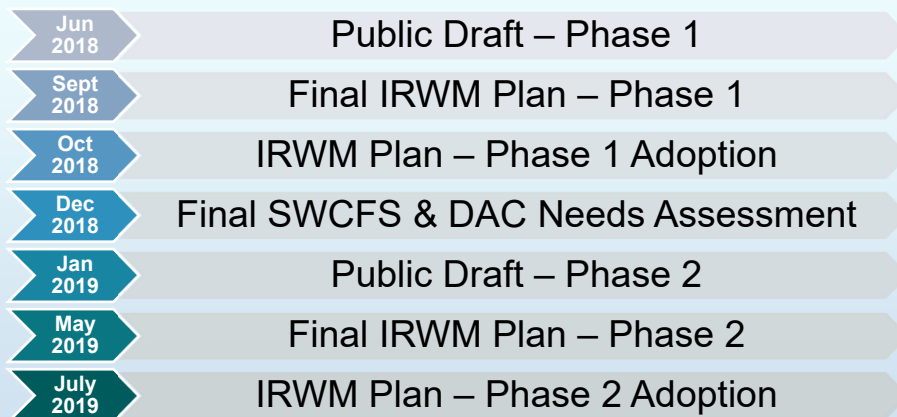
Statewide IRWM Updates (cont.)

- Prop 1 IRWM Implementation Grants
- Round 1 (*tentative!*):
 - Draft PSP in Spring 2018;
 - Final PSP in Summer 2018;
 - Consultations in Fall 2018;
 - Applications due Winter 2018-19
- Round 2: Anticipated in 2020 (*tentative!*):
- Concern about lack of IRWM funding in proposed bills and initiatives

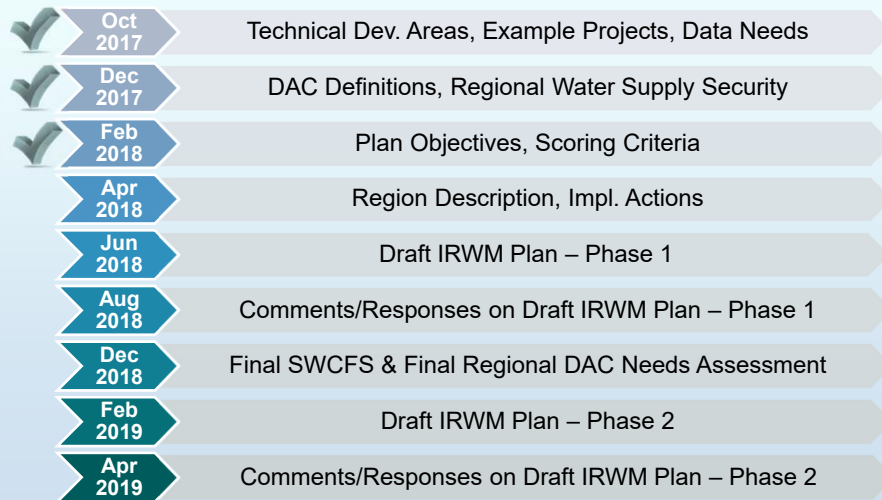
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Work Plan & Schedule



RAC Input (tentative)



Chapter 2: Vision and Objectives

- Four 2013 IRWM Plan Goals
 1. Improve the reliability and sustainability of regional water supplies.
 2. Protect and enhance water quality.
 3. Protect and enhance our watersheds and natural resources.
 4. Promote and support sustainable integrated water resource management.

- Eleven 2013 IRWM Plan Objectives

See Handout for List of IRWM Plan Objectives

Chapter 2 Revisions

Proposed revisions include consideration of:

- How to incorporate Technical Development Areas (TDAs) prioritized by RAC
- How to incorporate Climate Change response
- Limited revisions, given the stakeholder-driven process used to develop them

Incorporating Priority TDAs

- Objectives narrative revised to reflect TDAs prioritization exercise done in October 2017



RAC-Identified TDA Priorities

Sustainable Water Development

- Increase availability and reliability of local water supply
- Conserve, reuse, and recycle water
- Implement potable reuse

Value Stormwater as a Resource

- Consider potential habitat and environmental benefits of stormwater projects
- Increase public knowledge about importance of stormwater as a resource and watershed/water quality protection
- Emphasize need for economic feasibility of stormwater projects

Invest in DAC-EDA-URC-EJ Water Systems

- Invest/assist in necessary DAC-EDA-URC-EJ water system improvements
- Invest in training – address financial, technical, managerial needs

Optimize Regional Infrastructure

- Focus on asset management to support use of existing infrastructure
- Hazard risk assessment based on sea level rise

2016 Guideline Update

- None

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2016 Guideline Update

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Example: Objective E

Obj. E: Develop and maintain a diverse mix of water resources, encouraging their efficient use and development of local water supplies

Detailed Description of Objective E

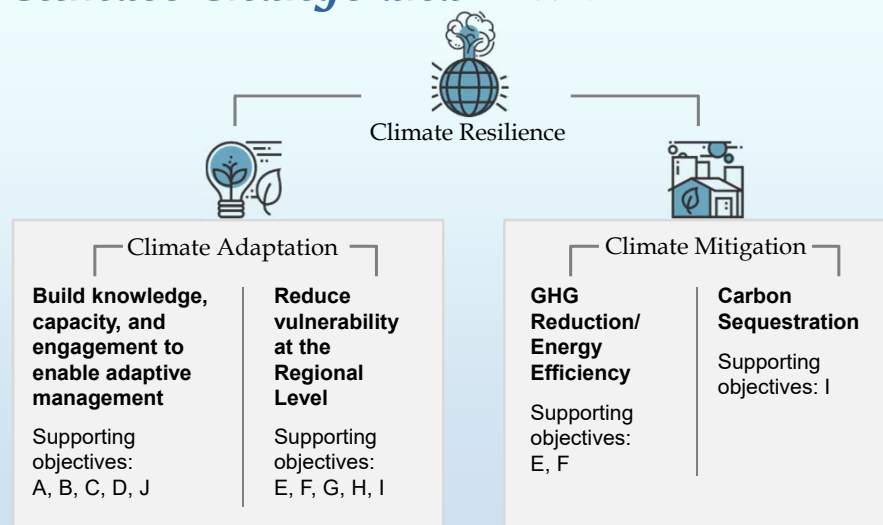
Continue to develop diverse water resources to meet local supply and conservation goals, reduce dependence on imported water supplies, and increase water supply availability and reliability. A diverse mix of water resources includes imported water, water transfers, recycled water, water conservation, desalination (brackish groundwater or seawater), local surface water, stormwater capture and use, potable reuse, and groundwater. Promote ethic of "conserve, reuse, and recycle".

Incorporating Climate Change

- Climate change adaptation and mitigation requires an integrated approach
- IRWM can serve as a forum to build knowledge, capacity, and coordination among diverse groups to address climate change through integrated solutions
- *2013 IRWM Plan* identified and prioritized climate change vulnerabilities



Climate Change and IRWM



See Handout for Climate Change Definitions and Framework

Objective K Revision

- Aspects of Objective K apply to each of the other 10 Objectives, and is better suited as a goal



New Climate Change Goal

Goal 5:
Enhance resiliency to
climate change for
regional water
resources

Other Objective Revisions

Obj. F: Construct, operate, and maintain a reliable water management infrastructure system



Obj. F: Construct, operate, and maintain a reliable and resilient water management infrastructure system

Obj. J: Optimize water-based recreational opportunities



Obj. J: Advance water-based enriching experiences

Chapter 9: Project Evaluation and Prioritization

- Scoring Criteria used for objective evaluation and separating projects into Tier 1 and Tier 2 for further consideration
- Criteria are *flexible* – adapt to funding opportunity priorities
 - Criterion often added/removed
 - Criterion scoring is weighted



Scoring Criteria Revisions

- Removed criteria that did not differentiate projects
- Incorporated TDA priorities
- Addressed climate change resiliency
- Revised language based on how criteria were applied in previous funding rounds

See Handout for Revised IRWM Plan Scoring Criteria

Unchanged Scoring Criteria

Addresses Multiple Objectives

6+ objectives (4 pts)

5 objectives (3 pts)

4 objectives (2 pts)

3 objectives (1 pt)

Spans Multiple Watersheds

Multiple Watersheds (4 pts)

Integration within a single Watershed (2 pts)

Only site-specific (0 pts)

Addresses Multiple Beneficial Uses (BUs)

4+ BUs (4 pts)

3 BUs (3 pts)

2 BUs (2 pts)

1 BUs (1 pt)

Removed Scoring Criteria

Addresses Multiple Watershed Services within the Hydrologic Cycle

Includes 2+ watershed services (2 pts)

Includes 1-2 watershed services (1 pt)

Includes no watershed functions (0 pts)

Linked to Other Water Management Projects

Yes (4 pts)

No (0 pts)

Implements IRWM Plan Recommendation or Addresses an IRWM Issue, IRWM Workgroup Recommendation, or a Recommendation in an Adopted Water Management Plan

IRWM Plan Recommendations or Issue (4 pts)

Workgroup Recommendation (2 pts)

Other Adopted Water Management Plan Recommendation (1 pt)

Revised Scoring Criteria

Sustainable Water Development: Creates New Applied Water or Offsets Potable Demand

Creates new source of reliable, local, drought-proof supply or reduces demands – consistent yield in average and dry years (4 pts)

Creates new water or reduces demands – average conditions only (2 pts)

Interconnections/ redundancy in supply but no additional yield created (1 pt)

Involves More Than One Entity

2 project partners working jointly on a task, at least 1 not previously awarded IRWM funding (4 pts)

2 project partners working jointly on a task (2 pts)

2 project partners not engaged in same activity; or multiple financial sponsors (1 pts)

Invest in Disadvantaged/ Environmental Justice Communities and Systems

Directly invests in DAC-EDA-URC-EJ water systems, consolidation, OR training (4 pts)

Other direct benefits that improve overall conditions in DACs (e.g. habitat improvement) (2 pts)

Indirect benefits (1 pt)

New Scoring Criteria

Resiliency to Climate Change

Reduces very high or high priority vulnerability to climate change (4 pts)

Reduces medium, low, or very low priority vulnerability to climate change (3 pts)

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

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

Stormwater as a Resource

Utilizes stormwater as resource (4 pts)

Implements onsite capture and reuse (2 pts)

Optimizes Regional Infrastructure

Optimizes regional infrastructure (4 pts)

Optimizes local infrastructure (2 pts)

Framework for Scoring Guidelines

- Qualitative project selection considerations for Project Selection Workgroup
- Minor updates to formalize existing Workgroup considerations
- Removed specific dates in favor of timelines
 - Readiness to proceed, start dates, timing of benefits
- Added “Realization of Benefits” consideration

Revised Scoring Guidelines

Criteria	Suggested Workgroup Guidelines
Project-Level Criteria	
Readiness to Proceed	Select Projects that will be ready to proceed by December 2014 deadline established in PSP or within 3 months of LPS contract execution.
Realization of Benefits	Consider timing of project benefit realization compared to project completion date (e.g., when water meter will begin recording deliveries vs completion of the pipeline).

Revised Scoring Guidelines

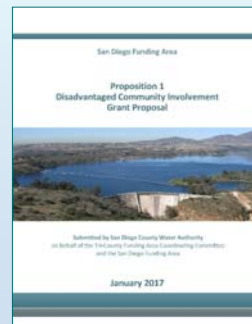
Criteria	Suggested Workgroup Guidelines
Proposal-Level Criterion	
Schedule	Proposal must include at least one project that will begin implementation by May 2014 deadline established in PSP or within 1 month of LPS contract execution.
	Proposal to include majority of projects that realize benefits within 3 years of project completion.

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Current Status: DAC Needs Assessment

- Anticipated schedule:
 - Definitions and Mapping:
November 2017 – March 2018 (*underway*)
 - DAC Outreach and Presentations:
March – September 2018
 - Draft Regional DAC Needs Assessment:
December 2018
- Next steps:
 - DACI partnership contracting



DAC Needs Assessment Partnership

- Partner(s) has been selected!
 - RCAC and Climate Science Alliance
 - Currently under contracting
- Non-Profit/Academic partners will support consulting team
 - Experience working with DACs/EDAs/URCs/EJs
 - Assist with identifying DAC organizations and updating DAC Outreach contact list
 - Support outreach to targeted DACs/EDAs/URCs/EJs



Look for announcement for the DAC Workshop this Spring

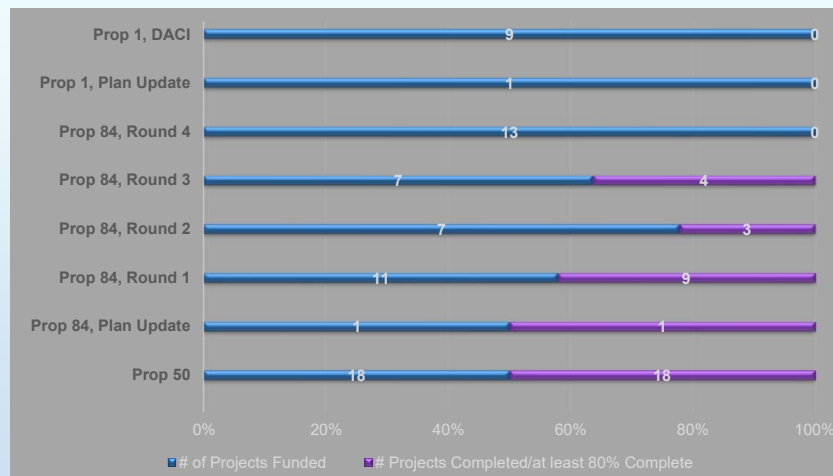
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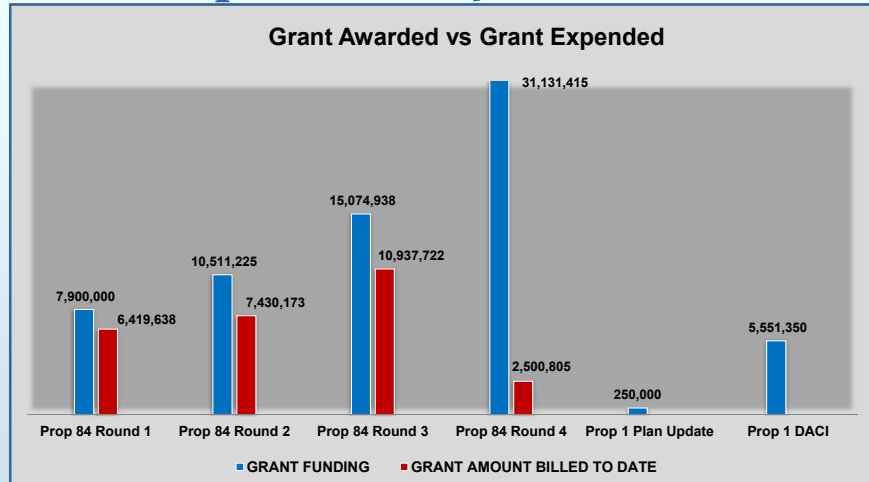
IRWM Grant Program Grant Funding Summary

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	\$6.4M
Proposition 84, Round 2	\$10.5M	7	3	\$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	\$0
Total	\$96.4M	67	35	\$53.1M

IRWM Grant Program Project Completion Status per Funding Round



Propositions 84 and 1 Grants



PROPOSITION 84 IMPLEMENTATION, ROUND 1

Proposition 84 Implementation, Round 1

Project 8 – Pilot Concrete Channel Infiltration



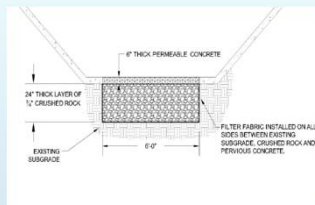
Before



Proposition 84 Implementation, Round 1

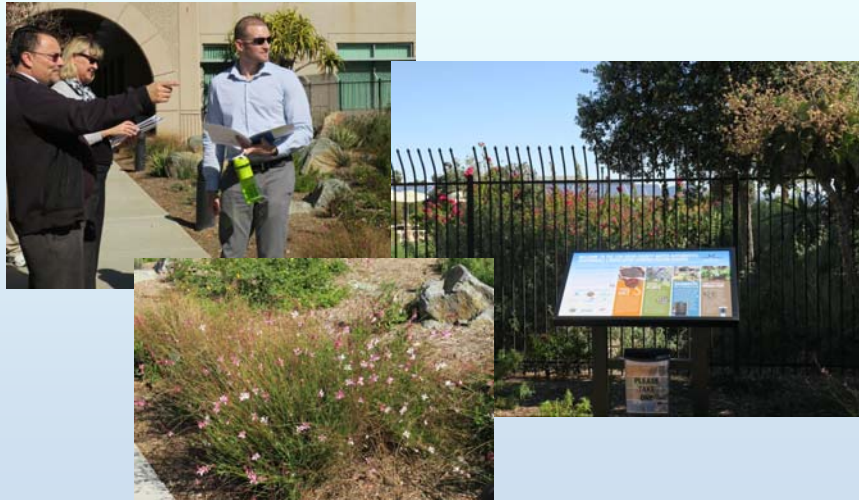
Project 8 – Pilot Concrete Channel Infiltration

After

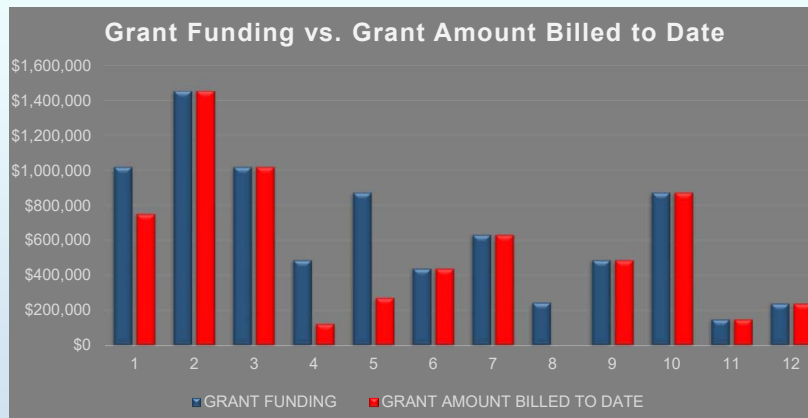


Proposition 84 Implementation, Round 1

Project 1 – Sustainable Landscapes Program - DWR Site Visit – January 2018



Proposition 84 Implementation, Round 1



Total Costs Billed \$6.4M

PROPOSITION 84 IMPLEMENTATION, ROUND 2



Proposition 84 Implementation, Round 2

**Project 2 – Rural DAC Partnership Project - Phase II
San Pasqual Water Reclamation Project - DWR Site Visit – January 2018**



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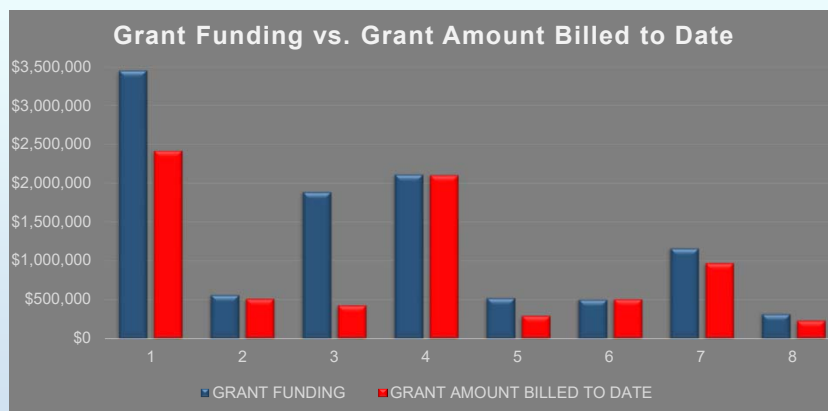
Proposition 84 Implementation, Round 2



Project 5 – Sustaining Healthy Tributaries to Upper San Diego River



Proposition 84 Implementation, Round 2



Total Costs Billed \$7.4M

PROPOSITION 84 IMPLEMENTATION, ROUND 3



Proposition 84 Implementation, Round 3

*Project 2 – Fallbrook Plant Nurseries Recycled Water Distribution Expansion
DWR Site Visit – January 2018*



Proposition 84 Implementation, Round 3

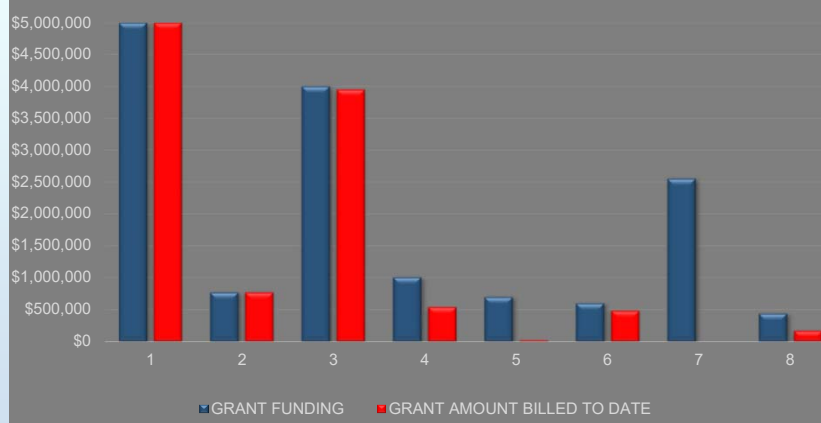
Project 2 – DWR site visit - Fallbrook Plant Nurseries Recycled Water Distribution Expansion



San Diego
Integrated Regional
Water Management

Proposition 84 Implementation, Round 3

Grant Funding vs. Grant Amount Billed to Date



Total Costs Billed \$10.9M

San Diego
Integrated Regional
Water Management

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PROPOSITION 84 IMPLEMENTATION, ROUND 4



Proposition 84 Implementation, Round 4

**Project 2 – Conservation Home Makeover in Chollas Creek Watershed
DWR Site Visit – January 2018**



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Proposition 84 Implementation, Round 4

Project 2 – Conservation Home Makeover in Chollas Creek Watershed



Proposition 84 Implementation, Round 4

Project 2 – Conservation Home Makeover in Chollas Creek Watershed



Proposition 84 Implementation, Round 4

Project 5 – Rural Disadvantaged Community, Phase 3, Smuggler's Gulch
Floating Trash Booms in the Tijuana River Valley

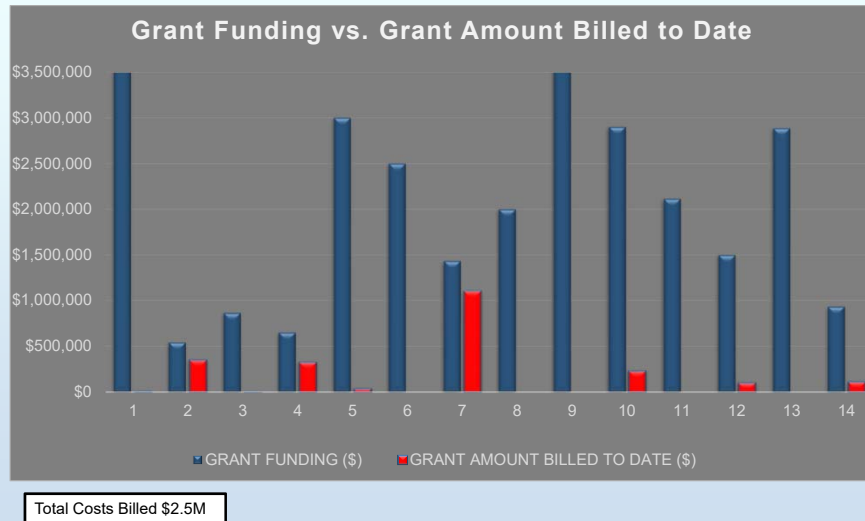


Proposition 84 Implementation, Round 4

Project 5 – Rural Disadvantaged Community, Phase 3, Smuggler's Gulch
Floating Trash Booms in the Tijuana River Valley



Proposition 84 Implementation, Round 4



PROPOSITION 1, PLAN UPDATE

Proposition 1 Plan Update

- Significant Milestones:
 - January 2018- First progress report
 - Submitted first deliverable – Stormwater Technical Memo
- Upcoming:
 - February 2018- Second progress report

PROPOSITION 1, DISADVANTAGED COMMUNITY INVOLVEMENT (DACI)

Proposition 1 Disadvantaged Community Involvement (DACI)

- Significant Milestones:
 - Grant Program Kickoff Meeting and training- January 2018
 - DWR Agreement- final DWR approval routing
- Upcoming*:
 - February 2018
 - DWR/LPS agreements execution
 - One-on-one training
 - Advance payment request
 - March 2018 - First reporting/invoicing

*All dates are estimate and subject to change

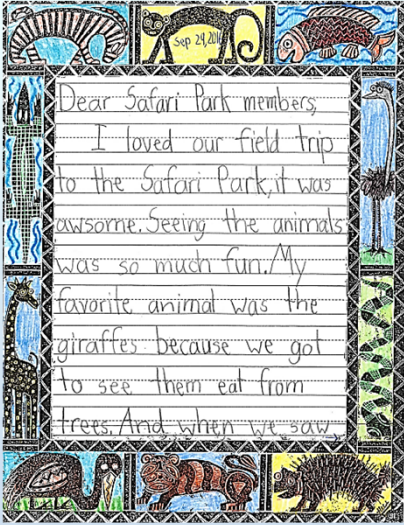
Proposition 50 Post-Performance Reporting

Project 16 - Biofiltration Wetland Creation & Education Program



Proposition 50 Post-Performance Reporting

Project 16 - Biofiltration Wetland Creation & Education Program



Dear Safari Park members,

I loved our field trip to the Safari Park, it was awesome. Seeing the animals was so much fun. My favorite animal was the giraffes because we got to see them eat from trees. And when we saw

all the animals on the trams was so much fun. The experiment with water was really cool. I learned how people clean water. And now I know how to clean water too! Also, I liked feeling Geronimo the armadillo. The lion and tigers were one of my favorite animal too. But giraffes were my 1st favorite animal to see. Thank you Safari Park for letting our Grapevine 3rd grade classes come to the Safari Park.

Love,
Samantha


Safari Park

SAN DIEGO
Integrated Regional
Water Management

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Proposition 50 Post-Performance Reporting

Project 1 - Integrated Landscape & Agricultural Efficiency Program



SAN DIEGO
Integrated Regional
Water Management

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DWR Site Visit Comments

"...They (project tours) were memorable. I won't forget meeting with Irma and how much Groundwork changed that woman's life by giving her a backyard paradise. Then to see Charles and his children get some help as well, it was special. There are so many good things being done in your IRWM region. I look forward to helping how I can, because those are projects helping locals on another level. You could see the joy in their faces, and I know I don't get to see that at my job very often.

Keep up the good work. I am confident that your team has the best interests of the community in mind, and this visit highlighted that. The leadership helping the locals with water consciousness and beautification through conservation is impressive. The coming years and the investment into the Disadvantaged Communities can only reap massive benefits going forward."

– Erik Goodman (DWR, Regional Service Area Representative)

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Public Comments

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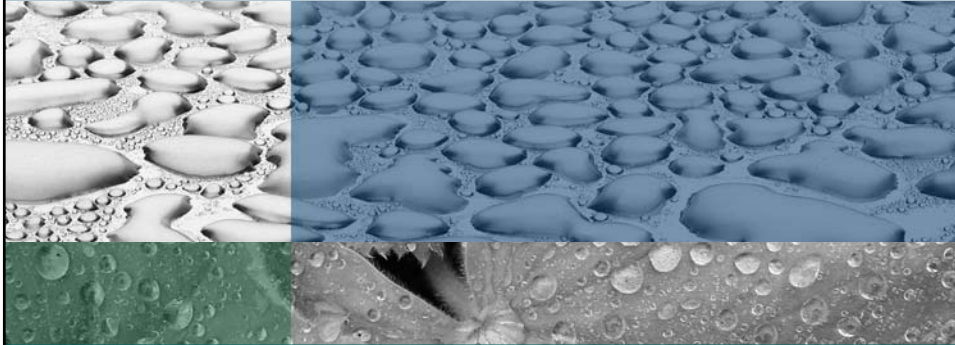
Current Funding Opportunities

Project Types	Deadline	Website
California State Coastal Conservancy		
<u>USFWS Wetlands Conservation Grant</u> : \$1M for coastal land acquisition; wetland restoration, enhancement, or management	February 14	Joel Gerwein External Grants Manager 510-286-4170 Joel.Gerwein@scc.ca.gov
USBR WaterSMART Programs (various)		
<u>Drought Resiliency Projects</u> : \$750K for projects that increase system flexibility and development of alternative supplies	February 13	https://www.grants.gov/web/grants/view-opportunity.html?oppld=298763
<u>Reservoir Operations Alternatives</u> : \$150K for economic effects of reservoir operations alternatives methodology (only 1 available)	February 27	https://www.grants.gov/web/grants/view-opportunity.html?oppld=299096
USBR Bay-Delta Restoration Program		
<u>CALFED Water Use Efficiency Grant</u> : \$3M for water use efficiency projects within the CALFED Solution Area (including western San Diego County)	March 15	https://www.grants.gov/view-opportunity.html?oppld=299930

2018 Meeting Schedule

- Next RAC Meeting: April 4, 2018
 - 2018 Meeting Schedule:
 - June 6
 - August 1
 - October 3
 - December 5
- Regular Meetings Held First Wednesday of Every Other Month -**

*Joint IRWM Plan Update
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February 7, 2017