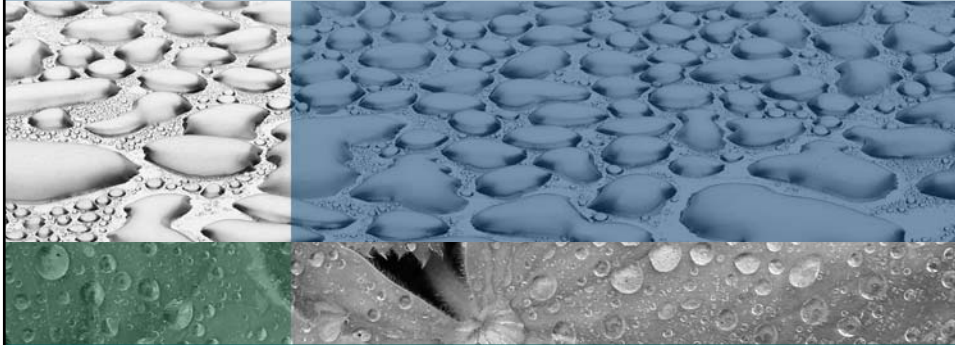


## *San Diego IRWM Program RAC Meeting #67*



April 5, 2017

### *Agenda*

- Welcome and Introductions
- Proposition 50 Program Completion Report
- San Diego Basin Study / Climate Change Study
- San Diego Region Stormwater Resource Plan
- Draft Grant Program Policies
- IRWM Program Updates
- IRWM Grant Administration
- Public Comments
- Summary and Next Steps

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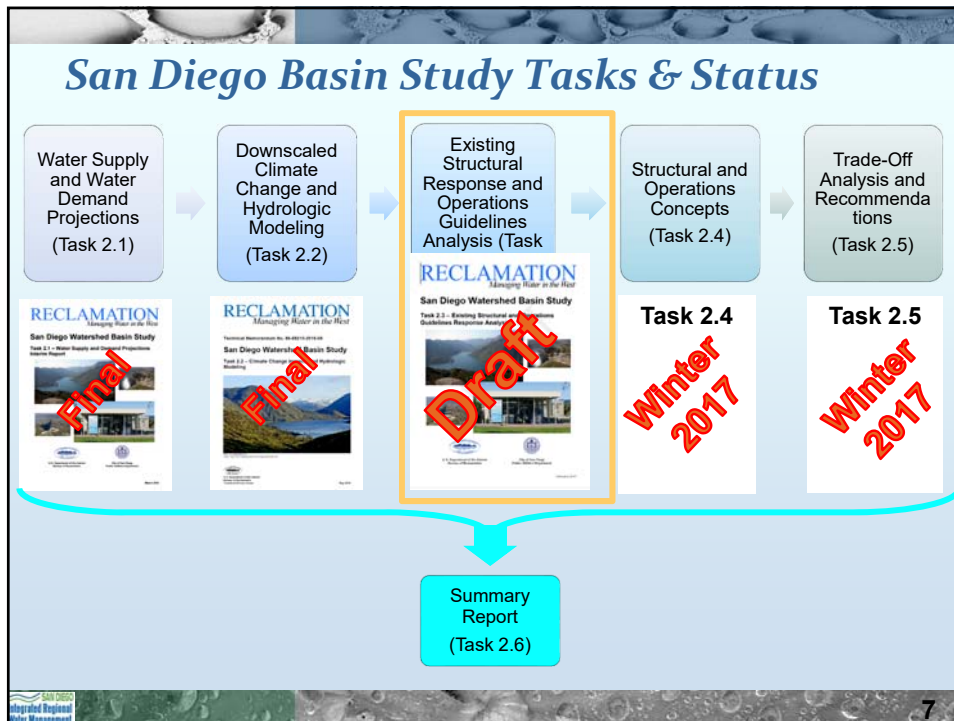
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# Proposition 50 Implementation Grant Program Completion Report

Loisa Burton, San Diego IRWM Grant Administrator

## *Agenda*

- Welcome and Introductions
- Proposition 50 Program Completion Report
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- ## Baseline Impacts
- **Water Supply/Demand/Delivery:** Baseline water deliveries increase to meet demands
  - **Water Supply/Demand/Delivery:** Reliance on imported water increases while other sources remain constant
  - **Water Supply/Demand/Delivery:** Shortages occur more often and are larger with future demands. Climate change exacerbates shortages.
  - **Water Supply/Demand:** Conveyance system limitations may contribute to shortages
  - **Recreation:** Boat ramps typically remain accessible but may sometimes be inaccessible at some reservoirs
  - **Hydropower:** Net energy consumption increases with increased deliveries despite moderate generation increases
  - **Flood:** Number and volume of spills (not for water supply) decreases in the future
- 8

## *Meeting Purpose*

- *Shared the baseline impacts of current and future climate conditions and demands on the San Diego water system (Task 2.3)*
- *Gathered stakeholder input on adaptation strategies that address baseline impacts (in support of Task 2.4)*

## *Portfolios*

- Holistic Point of View
- Regional Self-Reliance
- Drought
- Healthy Headwaters
- Maximize Reuse

# San Diego IRWM Climate Change Chapter- Vulnerabilities

## Water Supply

Decrease in imported supply  
Sensitivity due to higher drought potential  
Decrease in groundwater supply  
Lack of groundwater storage to buffer drought  
Invasives can reduce supply available

## Water Demand

Limited ability to meet summer demand  
Crop demand would increase  
Industrial demand would increase  
Limited ability to conserve further

## Water Quality

Decrease in recreational opportunity  
Increase in treatment cost  
Increased eutrophication  
Increased constituent concentrations

## Flooding

Increases in inland flooding

Increases in flash flooding and inundation  
(extreme weather)

## **Increased risk to seismic events**

## Ecosystem/Habitat

Decrease in available necessary habitat  
Decrease in ecosystem services  
Increased impacts to coastal species  
Decrease in environmental flows

## **Increase in wildfires**

## **Fish population declines**

## Hydropower

Decrease in hydropower potential

## Sea Level Rise

Decrease in land  
Damage to ecosystem/habitat  
Inundation of storm drains and sewer systems  
Damage to coastal recreation

## Agenda

- Welcome and Introductions
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# **San Diego Regional Storm Water Resource Plan**

Ruth de la Rosa, County of San Diego

# ***RAC Vote on SWRP Acceptance***

## *Agenda*

- Welcome and Introductions
- Proposition 50 Program Completion Report
- San Diego Basin Study / Climate Change Study
- San Diego Region Stormwater Resource Plan
- **Draft Grant Program Policies**
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## *Draft Grant Program Policies*

- San Diego IRWM Region has been awarded seven grants since 2008
- Grant Administration Program (GAP) has evolved as lessons are learned and new needs are identified
- Two draft policies have been developed to address known challenges and provide clarity to Project Sponsors:
  - Reallocation of Grant Funding
  - Grant Administration Funding
- Goal of today's discussion: Solicit guidance from RAC before RWMG finalizes the policies



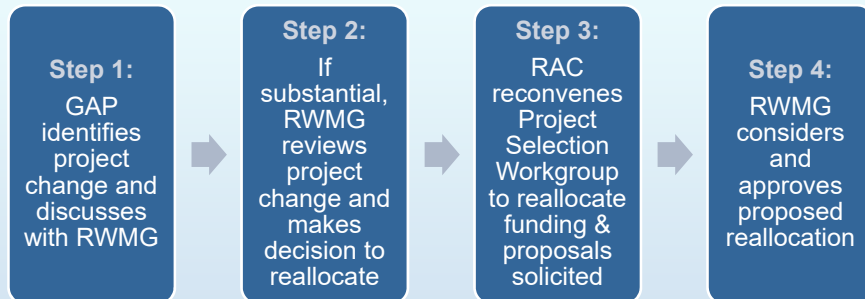
## *Reallocation of Grant Funding*

- Context:
  - Projects often change from proposal to implementation
  - Occasionally, anticipated benefits are reduced, decreasing project value to Region and State
    - *Could change eligibility for grants and threaten compliance with grant requirements*
  - Need a policy to provide consistency, transparency and set expectations for accountability

## *Reallocation of Grant Funding*

- Purpose:
  - Establish guidelines for addressing project changes that trigger consideration for grant funding reallocation
- Triggers for Consideration of Reallocation:
  - Project termination or withdrawal
  - Significant changes to project scope or benefits
- Policy:
  - When Grand Administration Program (GAP) decides trigger is met, initiating 5-step reallocation process

## Reallocation of Grant Funding: Process



## Example Project 1: Grant Reallocation

- Project in grant application: Construction of new tertiary treatment plant to serve 20 MGD recycled water
- Project revised after contracting: 3 MGD facility
  - 85% reduction in benefit (water treated/distributed)
  - Project sponsor expects to keep same grant award
- Triggers Step 1 of Process



## *Example Project 2: Grant Reallocation*

- Project in grant application: Creek restoration project in rural DAC area
- Project revised before contract signed: New site in coastal urban community due to challenges in securing permissions
  - Removes DAC benefits of project
  - Project sponsor expects to keep same grant award
- Triggers Step 1 of Process



## *Example Project 3: Grant Reallocation*

- Project in grant application: 3-mile recycled water pipeline to serve 25 AFY to a DAC
- Project revised after contract signed: New pipeline alignment selected to serve 24 AFY to a different, but similar DAC, with
  - Continues to serve a DAC with similar issues as original DAC
  - Project sponsor expects to keep same grant award
- Does not trigger Step 1 of Process
  - Provides same type of benefits at similar level

## *RAC Discussion of Draft Reallocation of Grant Funding Policy*

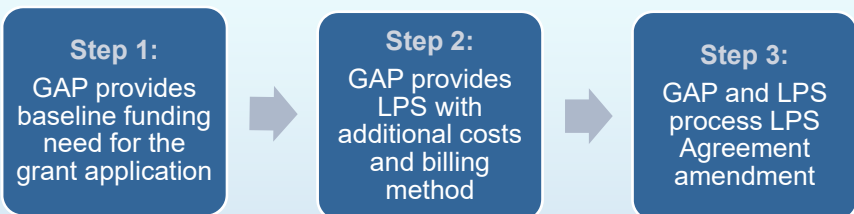
## *Grant Administration Funding*

- Context:
  - GAP provides many services to LPS
  - GAP historically receives 3% of total grant award
    - *This often is insufficient to accomplish GAP's tasks – many grant administration costs are fixed regardless of the size of the award*
  - Project changes and program extensions increase GAP costs
  - Need a policy for consistency, transparency and to manage compliance through the entire grant period

## *Grant Administration Funding*

- Purpose:
  - Establish guidelines for funding GAP
- Triggers for GAP Funding:
  - Inclusion in grant application
  - Grant contract extension by Project Sponsor(s)
- Policy:
  - Minimum of 3% and additional funding as needed:
    - Size and complexity of grant proposal package
    - Program extension
    - Post Program-Compliance Period
  - Standard rate will be applied for the proposed contract extension period

## *Grant Administration Funding: Process*





## *RAC Discussion of Draft Grant Administration Funding Policy*

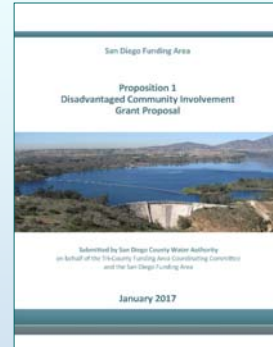


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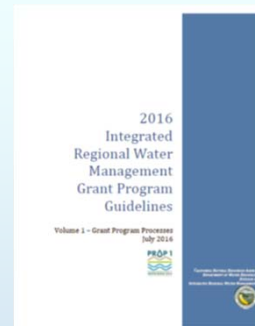
## *Current Status: DAC Planning Grant*

- Draft Proposal submitted:  
January 27, 2017
- Post-proposal meeting with DWR:  
February 22, 2017
- Revised Proposal to be submitted:  
early April 2017
- Next steps:
  - Grant award anticipated: May 2017
  - Grant contract anticipated: July 2017



## *Current Status: Prop 1 IRWM Planning Grant*

- Update of 2013 San Diego IRWM Plan:
  - Updates per 2016 IRWM Guidelines, including new regulations
  - Development of a Stormwater Capture Feasibility Study (SWCFS)
  - Define Economically Distressed Areas (EDAs) and Underrepresented Communities (URCs)
- Update Kick-off: August 2017



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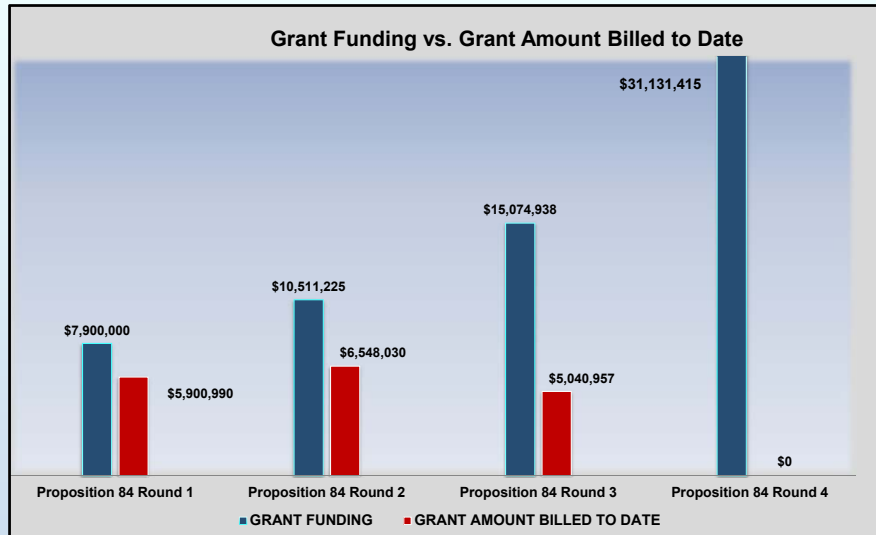
## Proposition 50 and 84 Implementation Grants

Funding Source	Date Awarded	Grant Award (\$)	# of Projects Funded	# Projects Completed/at least 80% Complete	Grant Billed to DWR (\$)
Proposition 50	2008	\$25.0M	18	18	\$24.9M
Proposition 84, Round 1	2011	\$7.9M	11	6	\$5.9M
Proposition 84, Round 2	2014	\$10.5M	7	3	\$6.5M
Proposition 84, Round 3	2014	\$15.1M	7	2	\$5.0M
Proposition 84, Round 4	2016	\$31.1M	13	0	\$0
<b>*Total</b>		<b>\$89.6M</b>	<b>56</b>	<b>29</b>	<b>\$42.3M</b>

\*Excludes the IRWM Planning Grant Award and recently awarded Proposition 1 Plan Update



## Proposition 84 Grants



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## Proposition 84 Implementation, Round 1

- Significant Milestones:
  - Sustainable Landscapes Program
    - Performed 86 pre-inspections and two post landscaping inspections
  - Rural Disadvantaged Community, Phase 1
    - Performed nitrate study and video monitoring
  - Implementing Nutrient Management Plan in SMA, Phase 1
    - Received completion report
  - Received amendments for project extensions
- Upcoming:
  - Commence water meters installation for the La Jolla Tribe Water Meter Installation project and complete Preliminary Engineering Study
  - Submit amendment for project extension

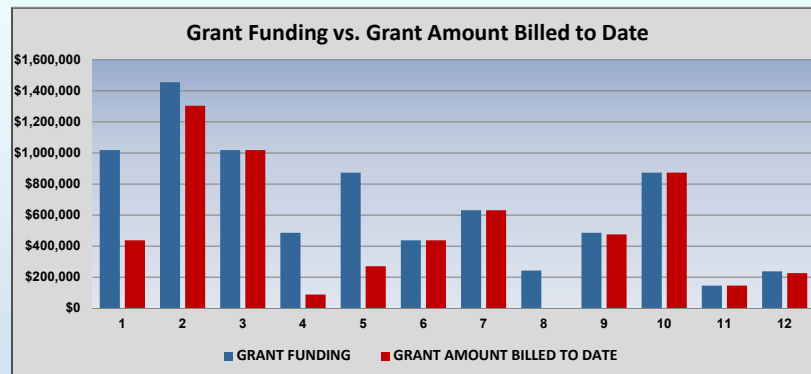
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## Proposition 84 Implementation, Round 1

San Diego Regional Water Quality Assessment and Outreach Project



## Proposition 84 Implementation, Round 1



Total Costs Billed \$5.9M

## *Proposition 84 Implementation, Round 2*

- Significant milestones:
  - Sustaining Healthy Tributaries to the Upper San Diego River
    - Performed amphibian monitoring, stream assessments and volunteer engagement
- Upcoming:
  - Sustaining Healthy Tributaries
    - Submit Education Plan, Hydromodification feasibility studies and stream assessments; and complete nurseries construction
  - Implementing Nutrient Management in Santa Margarita River, Phase II
    - Stakeholder meeting to discuss alternative TMDL next steps and state water quality policies

## *Proposition 84 Implementation, Round 2*

### Sustaining Healthy Tributaries to the Upper San Diego River

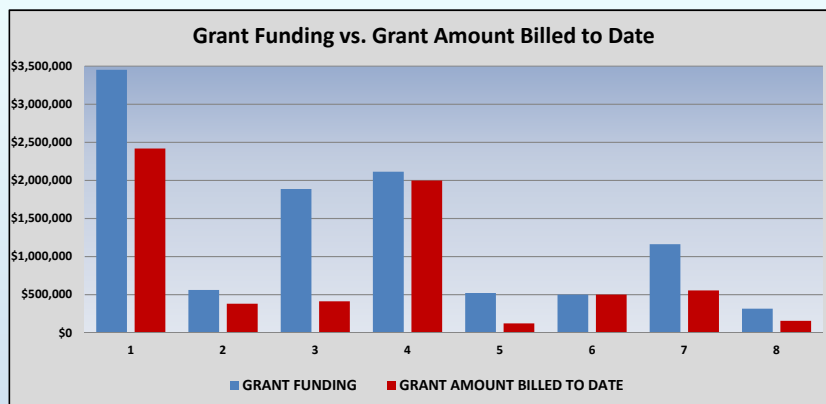


## Proposition 84 Implementation, Round 2

Sustaining Healthy Tributaries to the Upper San Diego River



## Proposition 84 Implementation, Round 2

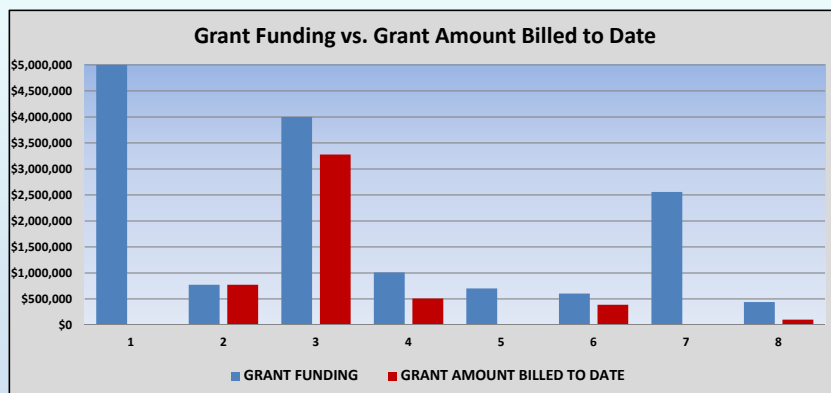


Total Costs Billed \$6.5M

## Proposition 84 Implementation, Round 3

- Significant Milestones:
  - Fallbrook Nurseries
    - Received Completion Report
  - Regional Emergency Storage and Conveyance
    - Submitted MND and advertise RFP
- Upcoming
  - Reynolds Groundwater Desalination Facility Project
    - continue construction
  - Regional Emergency Storage and Conveyance
    - Certify MND and award Design/Build contract

## Proposition 84 Implementation, Round 3



Total Costs Billed \$5.0M

## *Proposition 84 Implementation, Round 4*

- Significant Milestones:
  - Made advance payments requests
  - Approved 5 of 12 LPS Grant Agreements
  - Received 5 project amendment requests
  - Held Webtool Refresher Training on March 14, 2017
- Upcoming:
  - First Progress Reporting and Invoice due April 17
  - Approval of Outstanding LPS Grant Agreements
  - Submittal of amendment requests to DWR

## *Proposition 1 Plan Update*

- Significant Milestones:
  - Received grant award in February 2017
  - Submitted grant agreement conditional eligibility requirements
- Upcoming:
  - Process funding agreements with DWR and County of San Diego

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## *Public Comments*

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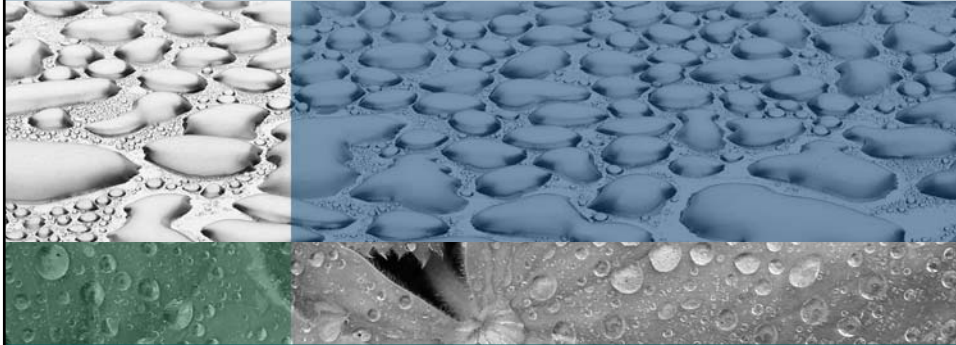
## *2017 Meeting Schedule*

- Next RAC Meeting: June 7, 2017
  - 2017 Meeting Schedule:
    - August 2
    - October 4
    - December 6
- Regular Meetings Held First Wednesday  
of Every Other Month -**





*San Diego IRWM Program  
RAC Meeting #6*



April 5, 2017