

San Diego IRWM Program RAC Meeting #82

August 7, 2019

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Agenda

- Welcome and Introductions
- Water Resilience Portfolio
- San Diego Basin Study
- Proposition 1-Round 1
- Grant Administration
- Public Comments
- Summary and Next Steps

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Water Resilience Portfolio

*Mark Stadler for Nancy Vogel, Governor's Water
Portfolio Program*

Nancy.Vogel@resources.ca.gov

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San Diego Basin Study
Sarah Brower, City of San Diego
Leslie Cleveland and Allison Odell, U. S. Bureau of Reclamation

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Prop 1-Round 1 Final PSP

- \$19.9 million available for San Diego Funding Area
 - **\$15.3 million** for San Diego IRWM Region
- DWR's Prop 1 IRWM purpose:
 - Improve regional water self-reliance and adapt to impacts of climate change
 - Promote collaborative water resource management
 - Reduce reliance on Delta



Tri-County Funding Area Coordinating Committee (FACC) Boundaries

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Prop 1-Round 1 Process

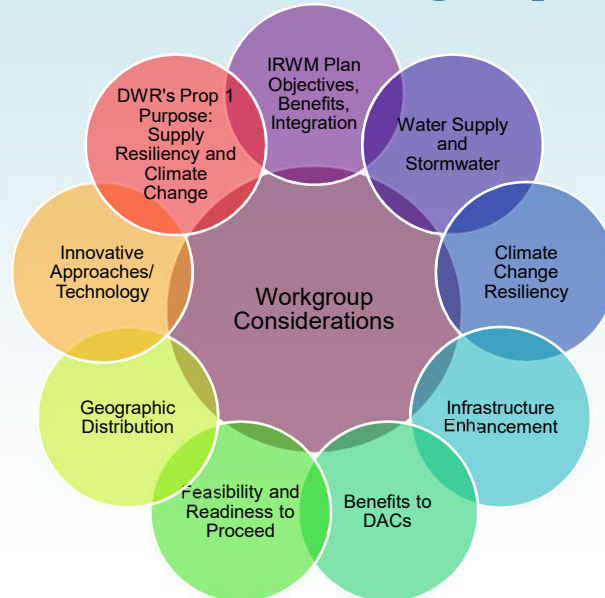


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Considerations for Workgroup

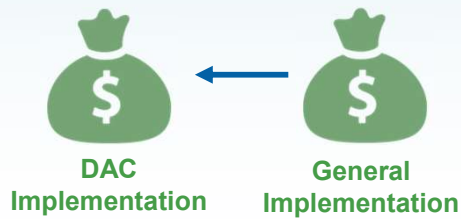


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Available Grant Dollars

Available Grant	
General Implementation	\$13,060,647
DAC Implementation (minimum)	\$1,355,508
GAP (6%)	\$920,180
Total	\$15,336,336

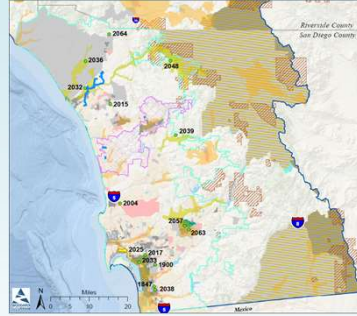


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Revised Project List

- 18 submitted projects
 - Total grant request: \$87 million
- Scored and tiered
 - 14 considered in detail for funding → 10 invited to interview
- RAC recommended funding 4-7 projects
 - Workgroup selected 6 for funding
 - Suggested reallocation should a project be removed



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Workgroup Composition

- 9 entities = 6 Caucuses + 3 RWMG

Caucus	Representative	Alternate
RWMG - SDCWA	Mark Stadler	Goldy Herbon
RWMG - County	Stephanie Gaines	Ruth Dela Rosa
RWMG - City	Sarah Brower	Jonathan Avila
Tribal	Erica Pinto	Eric LaChappa
DAC/EJ	Oscar Romo	James Owens
Water Supply	Joey Randall	Erick Del Bosque
Water Quality	Justin Gamble	Mike Thornton
Natural Resources/Watersheds	Sandra Jacobson <i>Chair</i>	Andrew Le
Other	Robyn Badger	Kelly Craig

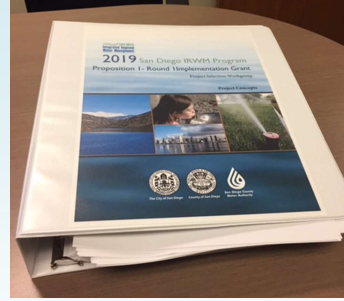
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Project Selection Workgroup

- Purpose: Review projects and recommend a package for funding application
- 5 meetings in June, July, August 2019
 - Total of 34 hours of deliberation
 - Time spent outside meetings reviewing materials
- Quorum achieved at every meeting
- 2/3 majority vote to pass funding package
 - Final package passed by a **unanimous vote!**



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Workgroup Process

Project Evaluations

Discuss scores/tiering
Elevate projects
Discuss project details and benefits
Identify questions and concerns

Project Interviews

10 projects interviewed
55 minutes/interview
Presentation + Q&A

Final Evaluation & Recommendation

Develop proposed packages
Debate packages
Vote on project list and funding amounts

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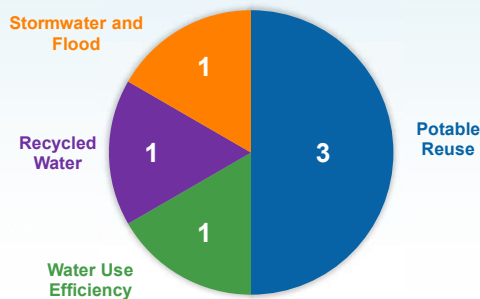


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Workgroup Recommendation

- 6 recommended projects
 - Total Project Costs: \$142,087,678
 - Total Grant Recommendation: \$14,416,156
 - \$3,681,056 to DACs – 2.5x DWR’s recommendation

Projects by Type



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Recommended Priority Projects

Project	Sponsor	Rec. Funding
Paradise Valley Creek Water Quality and Community Enhancement	City of National City	\$3,681,056
North City Pure Water Facility Influent Pump Station and Conveyance Pipeline	City of San Diego	\$1,477,600
2020 Regional Water Use Efficiency Programs	San Diego County Water Authority	\$1,440,000
North San Diego County Potable Reuse Project	City of Oceanside	\$4,560,000
Lower Santa Margarita River IPR Pilot Project	Fallbrook Public Utility District	\$687,500
North San Diego County Integrated Recycled Water Project	San Elijo Joint Powers Authority	\$2,570,000
Total Grant		\$14,416,156

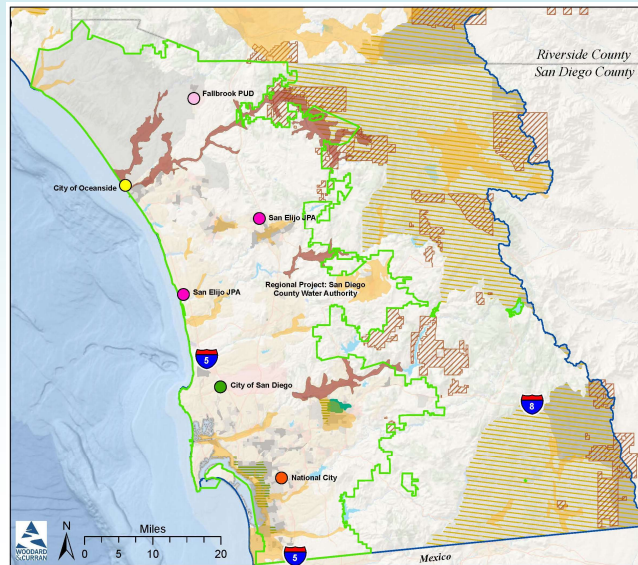
See handout!

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Project Locations

See handout!



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Paradise Valley Creek Water and Community Enhancement

Project Sponsor	City of National City
Funding Amount	\$3,681,056

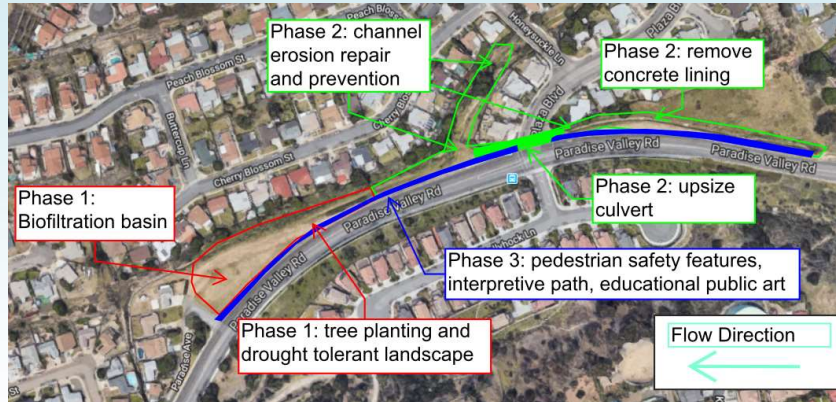
- Purpose
 - Stormwater and flood control, addressing critical flood concerns in a DAC
 - Divert stormwater flows to a biofiltration basin, replace concrete lining with turf reinforcement, and reduce flood hazards
- Project Highlights
 - IRWM Round 1 DACI Planning Grant
 - Paradise Creek listed as one of the top 5 problem areas in the RWQCB's Environmental Justice Plan



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Paradise Valley Creek Water and Community Enhancement



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North City Pure Water Facility Influent Pump Station and Conveyance Pipeline

Project Sponsor	City of San Diego – Pure Water
Funding Amount	\$1,477,600

- Purpose
 - Construct pump station, conveyance pipeline, and stormwater capture facilities at North City WRP/PWF
 - Key component of City's Pure Water Project – Phase 1 (>33,000 AFY purified drinking water by 2024)
- Project Highlights
 - Reduces reliance on imported water
 - Regionally important project



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North City Pure Water Facility Influent Pump Station and Conveyance Pipeline



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SAN DIEGO
Integrated Regional
Water Management

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2020 Regional Water Use Efficiency Programs

Project Sponsor	San Diego County Water Authority
Funding Amount	\$1,440,000

- Purpose
 - Support indoor and outdoor water use in all sectors – residential, commercial, industrial, institutional, and agricultural
 - Expands or creates 7 water use efficiency programs
- Project Highlights
 - Promotes conservation as a way of life
 - Regional program serving 3.3 million people in Water Authority’s service area



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SAN DIEGO
Integrated Regional
Water Management

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2020 Regional Water Use Efficiency Programs

- Landscape Upgrade Incentives
- WaterSmart Landscape Makeover Program
- Smart Contractor Irrigation Voucher Program
- Qualified Water Efficient Landscaper Training
- Commercial/Industrial/Institutional Audit and Retrofit Program
- Water Stewardship Outreach and Education Program
- Agricultural Irrigation Efficiency Enhancement Program



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North San Diego County Potable Reuse Project

Project Sponsor	City of Oceanside
Funding Amount	\$4,560,000

- Purpose
 - Produce 5,000 AFY of advanced treated water: 3,300 AFY for potable reuse; 1,700 AFY for blending with recycled water
 - Stormwater capture at WRF
- Project Highlights
 - NGO partner – The Nature Collective
 - Includes pathogen removal studies to provide data for future potable reuse projects
 - Synergy with North San Diego Water Reuse Coalition



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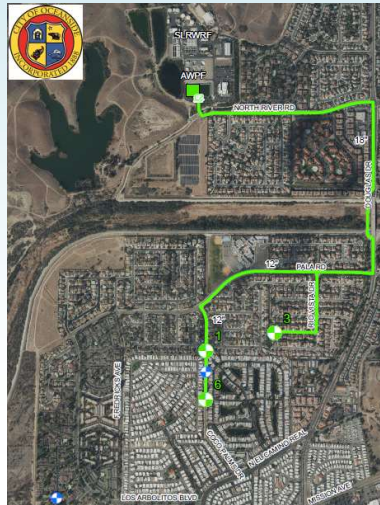


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North San Diego County Potable Reuse Project

Pure Water Oceanside

SEWRF Storm Water Capture & Reuse



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Lower Santa Margarita River IPR Pilot Project

Project Sponsor	Fallbrook Public Utility District
Funding Amount	\$687,500

- Purpose
 - Pilot project for innovative technology for potable reuse using live stream discharge
- Project Highlights
 - Federal Partner: Water Resources Division of the U.S. Marine Corps – Camp Pendleton
 - Pilot supports the final phase of Santa Margarita River Conjunctive Use Project –a Prop 50 IRWM project



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Lower Santa Margarita River IPR Pilot Project

- Pilot treatment train to initially produce 32 AFY at the Fallbrook WRF
- Fallbrook Creek live stream discharge
 - Pilot scale discharge for “proof of concept”
 - Simulated system with actual soil to show environmental benefits



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North San Diego County Integrated Recycled Water Project

Project Sponsor	San Elijo Joint Powers Authority
Funding Amount	\$2,570,000

- Purpose
 - Optimize reuse of available wastewater in North County for non-potable reuse
 - Produce 304 AFY for irrigation
- Project Highlights
 - Strong, integrated 9-member coalition
 - Connects recycled water supplies with recycled water demand across boundaries, including storage and potable reuse
 - Sets the stage for future potable reuse



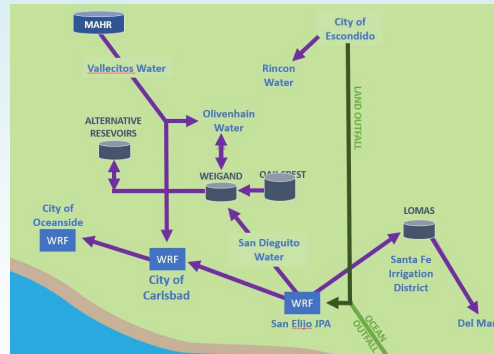
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North San Diego County Integrated Recycled Water Project

- Construction elements:
 - 49,000 LF of new pipelines
 - 2.2-million-gallon concrete reservoir
 - Pressure boosting station
 - Retrofit of 16-acre senior community to reduce urban runoff
 - Interconnection of existing reservoirs



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Project Alternates

- If DWR indicates it is likely to reject a project, grant will be redistributed within the project list
- If this occurs, Workgroup recommends:
 1. Reallocate to National City's Paradise Creek Water Quality and Community Enhancement Project up to additional \$1,743,944 (full grant request)
 2. Apply any remaining funds to San Diego County Water Authority's 2020 Regional Water Use Efficiency Programs

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Conclusions

- 6 projects awarded
 - Maximum grant ask: **\$15,336,336**
 - DAC = 25% of total grant ask (\$3,681,056)
- Most projects are shovel-ready
 - Much of design, CEQA, and permitting complete
 - Will increase IRWM's chance of success
- Package directly responds to DWR's Prop 1 IRWM purpose – water reliability and climate resiliency

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Other Workgroup Recommendations

- Several DAC entities did not have strong applications
- Discussion of additional support for DAC project sponsors to compete for funds
 - Applications, Interviews, Technical Support
- RWMG and RAC to consider Workgroup recommendations at future RAC meeting

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RAC Discussion and Vote on Workgroup's Recommendation on Implementation Grant

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Grant Administration

Loisa Burton, San Diego County Water Authority

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Public Comments

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Current Funding Opportunities

Project Types	Deadline	Website
DWR		
Riverine Stewardship Program – Urban Streams Restoration Program	August 30	https://water.ca.gov/Programs/Integrated-Regional-Water-Management/Riverine-Stewardship-Program/Riverine-Stewardship-Grants
U.S. Bureau of Reclamation		
Water Reclamation and Reuse Research Program	September 23	https://apply07.grants.gov/apply/opportunities/instructions/PKG00252387-instructions.pdf
Drought Resiliency Projects for Fiscal Years 2020 and 2021	October 14 <i>FOA released August 6</i>	https://www.grants.gov/web/grants/search-grants.html?keywords=BOR-DO-20-F002

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2019 Meeting Schedule

- Next RAC Meeting: October 2, 2019
- 2019 Meeting Schedule:
 - October 2
 - December 4

- Regular Meetings Held First Wednesday of Every Other Month -

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