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

Prop 1-Round 1 Process

<table>
<thead>
<tr>
<th>Step 1</th>
<th>Step 2</th>
<th>Step 3</th>
<th>Step 4</th>
<th>Step 5</th>
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<tr>
<td>SDIRWM Application Process</td>
<td>Call for Projects</td>
<td>Project Selection Workgroup</td>
<td>DWR Funding Area Workshop</td>
<td>Application</td>
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<td>LPS Actions</td>
<td>OPTI Project Submittals</td>
<td>Answers to PSW Questions+ Interview</td>
<td>PIF + Workshop Attendance</td>
<td>DWR Contracting</td>
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<td></td>
<td>CEQA and Permitting, Contract Review, Pre-submittal Forms</td>
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</table>
Considerations for Workgroup

- IRWM Plan Objectives, Benefits, Integration
- Water Supply and Stormwater
- Climate Change Resiliency
- Infrastructure Enhancement
- Benefits to DACs
- Feasibility and Readiness to Proceed
- Geographic Distribution
- Innovative Approaches/Technology
- DWR’s Prop 1 Purpose: Supply Resiliency and Climate Change

Available Grant Dollars

<table>
<thead>
<tr>
<th>Available Grant</th>
<th>Amount</th>
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<tr>
<td>General Implementation</td>
<td>$13,060,647</td>
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<tr>
<td>DAC Implementation (minimum)</td>
<td>$1,355,508</td>
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<tr>
<td>GAP (6%)</td>
<td>$920,180</td>
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<tr>
<td><strong>Total</strong></td>
<td><strong>$15,336,336</strong></td>
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</table>
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

Workgroup Composition

- 9 entities = 6 Caucuses + 3 RWMG

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

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
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

Recommended Priority Projects

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

Total Grant $14,416,156

See handout!
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
**Paradise Valley Creek Water and Community Enhancement**

- **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 Sponsor**
City of San Diego – Pure Water

**Funding Amount**
$1,477,600

**Project Highlights**
- Reduces reliance on imported water
- Regionally important project

---

**North City Pure Water Facility Influent Pump Station and Conveyance Pipeline**

- **Project Sponsor**
  
- **Funding Amount**
  
- **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
North City Pure Water Facility Influent Pump Station and Conveyance Pipeline

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
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

North San Diego County Potable Reuse Project

<table>
<thead>
<tr>
<th>Project Sponsor</th>
<th>City of Oceanside</th>
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</thead>
<tbody>
<tr>
<td>Funding Amount</td>
<td>$4,560,000</td>
</tr>
</tbody>
</table>

- 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
North San Diego County Potable Reuse Project

Pure Water Oceanside

SEWRF Storm Water Capture & Reuse

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
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

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
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

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
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

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
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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Current Funding Opportunities

<table>
<thead>
<tr>
<th>Project Types</th>
<th>Deadline</th>
<th>Website</th>
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<tr>
<td>DWR</td>
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<tr>
<td>U.S. Bureau of Reclamation</td>
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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 -