Proposition 84, Round 1

Program Completion Report
San Diego IRWM Grant Administration Program
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Regional Advisory Committee Meeting #8, December 4, 2019

Topics

- Proposition 84 Bond Background
- Round 1 Purpose and Award
- San Diego IRWM Round 1 Program
- Accomplishments & Highlights
- Project Benefits
- Challenges
- Lessons Learned
Proposition 84 Bond Background

- Safe Drinking Water, Water Quality and Supply, Flood Control River and Coastal Protection Bond Act of 2006

- $5.8 Billion Bond, $1B for IRWM

- To assist in financing statewide projects that help deliver safe drinking water, protect water quality and the environment

- Voters approved on November 6, 2006

Proposition 84, Round 1 Program Purpose and Award

- Proposition 84 - 4 Rounds

- IRWM Regional Funding: $100M (Round 1)

- Round 1 Program Purpose - Assist in financing IRWM projects that provide:
  - multiple benefits
  - improved water supply reliability
  - long-term attainment and maintenance of water quality standards
  - reduced pollution
  - water quality/supply improvements for DACs
  - groundwater projects in Southern California
Round 1 IRWM San Diego Grant Program

- Funding Award:
  - Grant Funding $7,900,000
- Awarded Projects: 11
- Total Project costs of $16,178,577
- Local Project Sponsors: 9
- Implementation: 6 years

San Diego Proposition 84, Round 1 Program

Total Project Actual Costs

- Grant: $7,868,580
- Local Cost: $8,825,979
- Total: $16,694,559
Round 1 Program Timeline

- 2011 Application Development
- 2011 Award
- 2012 Agreement
- 2012-2018 Implementation
- 2018 Completion

Concept to Completion

Program Highlights/Accomplishments

- Disbursed $7.9M to the region for 11 multi-benefit projects
- First funding award to disadvantaged community projects through Rural Disadvantaged Community Partnership Program
- First project funded under two planning regions
- First tribal project awarded
- Achieved primary benefits
**Grant Funding ($) Per Project Type**

- **Water Supply** $4,850,000
- **Water Quality** $1,794,500
- **Watersheds and Natural Resources** $873,000
- **Sustainable Integrated Resource Management** $145,500

*excludes funding for grant administration

**Water Supply**

**Project 1**
Sustainable Landscapes Program

- 6.37 acres total were retrofitted – water savings estimated to 252 af saved for 10 years
- 22,500 sustainable landscape guidebooks were printed
**Water Supply**

**Project 2**
North San Diego County Regional Recycled Water Program – Phase 1

- **Rincon del Diablo MWD**
  - RW Storage & Conveyance
  - 3.5 mil. gallon storage
  - 5,000 feet of pipeline

- **San Elijo Water Reclamation Facility**
  - Increased RW production 560 AFY

- **Carlsbad MWD**
  - 2,273 feet of RW pipeline

**Water Supply**

**Project 3**
North San Diego County Demineralization Project

- Increased recycled water production capacity at the SEWRF by 560 AFY
**Project 4**

**Rural Disadvantaged Community Partnership Project**

- Quiet Oaks Mobile Home Park (DAC) completed a Preliminary Engineering Report & design to lower nitrates in water system.
- La Jolla Reservation (DAC) installed 2,600 feet of water line and 2 water meters for leak detection systems.

**Water Supply**

**Project 5**

**Hodges Reservoir Water Quality and Quagga Mitigation Measures**

Several studies/assessments completed with significant findings and data, leading to implementation of (1) Hypolimnetic Oxygenation and (2) Natural Treatment systems.
**Water Quality**

**Project 6**
Implementing Nutrient Management in the Santa Margarita River Watershed – Phase 1

- Developed scientific-based targets to support TMDL or Alternative TMDL development

**Project 7**
Bannock Avenue Neighborhood Streetscape Improvements

- Greater than 90% reduction of indicator bacteria
- 3,000+ residents engaged in stormwater pollution prevention education
Water Quality

Project 8
Pilot Concrete Channel Infiltration Project

- Dry weather flows with bacteria and other constituents of concern did not reach downstream
- Successful infiltration and pollution protection of the San Diego River

Water Quality

Project 9
San Diego Regional Water Quality Assessment & Outreach Project

- Trained 433 new volunteers in collecting and analyzing water quality samples
- Removed an average of 250 pounds of trash per clean up event
Watersheds & Natural Resources

Project 10
Chollas Creek Integration Project – Phase 1

• Improved 900 feet along Chollas Creek with riparian habitat restoration

Sustainable Integrated Resources Management

Project 11
Regional Water Data Management Program

• A report with data management recommendations for a regional internet-based system for sharing, disseminating and supporting water management data and information.
Project 12: Grant Administration Program

- Water Authority lead agency to administer grant funds
- Program Responsibilities:
  - grant agreement compliance
  - funding management and disbursement
- Led by IRWM Program Manager, 3 professional-support staff
- Funding:
  - Awarded 3% = $237,000
  - Actual costs $265,000

Major GAP Work Efforts and Accomplishments

- Administered Round 1 Program to completion
- Disbursed $7.9M in grant funding
- Submitted all required deliverables
- Developed a web-based grant database for the Program
- Developed and managed project and program budgets
- Submitted:
  - 92 Individual Project Invoices
  - 250 progress reports
  - More than 425 deliverables
  - 52 Program and project amendments
Implementation Challenges

Administration                          Project-Related                               Funding                                   Project Management

Lessons Learned

Administration:
▪ Reimbursement delays: constant and consistent communication
▪ Project amendments: progress oversight and LPS contact
▪ Billing and payment delays: administration process enhancement and LPS and DWR’s close coordination
▪ Insufficient or ineligible project costs billing: stronger internal control, one-on-one LPS assistance and training
▪ Substantial project detail: streamline agreement information during application and contracting
▪ Staff changes result in program knowledge lost: GAP training
Thank You