



Attachment 5 | **San Diego Integrated Regional Water Management**
2014 IRWM Drought Solicitation Implementation Grant Proposal
Budget Summary

Attachment 5 consists of the following items:

- ✓ **Budget Summary.** This attachment includes a summary of the budget for the entire Proposal as well as a summary of the budgets for each individual project included within the Proposal.
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Introduction

Included within this *San Diego Drought Solicitation Implementation Grant Proposal* are high-priority projects that were evaluated and recommended by a working group of the Regional Advisory Committee (RAC), the primary stakeholder body for the San Diego Integrated Regional Water Management (IRWM) Program. The local project sponsors (LPS) that will be implementing these projects have completed substantial work associated with each project, and the San Diego Water Authority (SDCWA), the grant administrator for the Proposal, has extensive experience working with the California Department of Water Resources (DWR) to implement IRWM projects. As such, the budgets provided herein are considered reasonable based on currently available information and the experience of SDCWA, the LPS, and their project partners.

This attachment contains a roll-up budget of the entire Proposal consistent with Table 8 of the Proposal Solicitation Package (PSP) as well as project budget tables for each project consistent with Table 7 of the PSP. Further, this attachment contains one-page summaries that describe how the budget shown is reasonable based on currently available information. The tasks and information provided for each project are consistent with project-related information provided in the Work Summary (Attachment 4) and Schedule (Attachment 6).

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Proposal Budget Summary

Table 5-1 includes the Proposal Budget Summary consistent with Table 8 of the PSP. As shown in **Table 5-1**, the total local cost-share (funding match) for the Proposal is 44%. A disadvantaged community (DAC) waiver is not being requested for any of the seven projects included within the Proposal.

Table 5-1: Proposal Summary Budget (PSP Table 8)

Proposal Title: San Diego IRWM 2014 IRWM Drought Solicitation Implementation Grant Proposal						
Individual Project Title		(a)	(b)	(c)	(d)	(e)
		Requested Grant Amount	Cost Share: Non-State Fund Source (Funding Match)	Cost Share: Other State Fund Source	Total Cost	% Funding Match
(1)	Reynolds Groundwater Desalination Facility Expansion	\$5,150,000	\$20,964,638	\$15,814,638	\$41,929,276	50%
(2)	Fallbrook Plant Nurseries Recycled Water Distribution System Expansion	\$795,160	\$437,976	\$0	\$1,233,136	36%
(3)	Carlsbad Recycled Water Plant and Distribution System Expansion	\$4,120,000	\$4,287,000	\$3,156,000	\$11,563,000	37%
(4)	Regional Demand Management Program Expansion	\$1,039,182	\$337,072	\$0	\$1,376,254	24%
(5)	San Diego Water Use Reduction Program	\$720,506	\$232,920	\$0	\$953,426	24%
(6)	Rincon Customer-Driven Demand Management Program	\$618,955	\$200,309	\$0	\$819,263	24%
(7)	Regional Emergency Storage and Conveyance System Intertie Optimization	\$2,631,135	\$837,600	\$0	\$3,468,735	24%
Proposal Total		\$15,074,938	\$27,297,515	\$18,970,638	\$61,343,090	44%
DAC Funding Match Waiver Total		-	-	-	\$0	0%
Grand Total		\$15,074,938	\$27,297,515	\$18,970,638	\$61,343,090	44%

Project Budget Summaries

Project budget summaries for each of the seven projects included in this Proposal are provided in the following sections. Table 7 in the Final PSP has been completed for each project, and a one-page description that describes how the budgets are reasonable based on current available information is provided for each project. Please note that each project has an additional row for Grant Administration (GA). Information about the grant administration funding is provided below as it applies to each project in the Proposal.

Grant Administration

During project selection, the San Diego IRWM Regional Advisory Committee (RAC) recommended that approximately 3% of the total grant request for each project be allocated for grant administration. This recommendation was based on the Region's experience from *Proposition 50 Implementation Grant* and *Proposition 84 Implementation Grant – Round 1* and *Proposition 84 Implementation Grant – Round 2* contracting. As such, \$439,079 is the sum of all grant administration for the seven projects included within

the Proposal. As the Region’s grant administrator, San Diego County Water Authority (SDCWA) staff will manage the grant contract.

SDCWA’s Grant Administrator will manage the grant contract, amendment requests, and reporting requirements, along with communications with DWR staff and with local project sponsors. SDCWA’s Grant Administrator will also manage an internet-based web tool site for the grant program. SDCWA’s Assistant Management Analyst will process invoices, monitor and track budgets and expenses for both grant reimbursable items and funding match from the project sponsors, and provide additional administrative support as required. Costs are based on the Grant Administrator working 3,952 hours (~66 hours per month) and the Assistant Management Analyst working 3,547 hours (~59 hours per month) over five years (2015 – 2019), as shown in **Table 5-2**. Even with approximately 3% of the grant request for each project allocated to grant administration and individual project administration costs, administration costs to be reimbursed by the grant remain well under the 5% of total proposal cost limit recommended by DWR.

As described above, the grant administration costs are distributed proportionately across the seven proposed projects; see the individual project summaries below for details of how these costs are divided by each project.

Table 5-2: Row (GA) Overall Grant Administration Costs

Discipline	Hourly Wage (\$/hr)	Number of Hours	Total	Grant Request	Funding Match
Grant Administrator	77	3,952	\$304,304	\$304,304	\$0
Assistance Management Analyst	38	3,547	\$134,775	\$134,775	\$0
Row (GA) Total for Proposal			\$439,079	\$439,079	\$0

Project 1: Reynolds Groundwater Desalination Facility Expansion

Local Project Sponsor: Sweetwater Authority (Sweetwater)

Partners: City of San Diego

A project summary budget table consistent with Table 7 in the PSP is provided below as **Table 5-3** for the *Reynolds Groundwater Desalination Facility Expansion* project. The following page includes the one-page summary to demonstrate how the budget shown in **Table 5-3** is reasonable based on current available information.

**Table 5-3: Total Project Budget
Reynolds Groundwater Desalination Facility Expansion**

Proposal Title: <i>San Diego IRWM 2014 IRWM Drought Solicitation Implementation Grant Proposal</i>					
Project Title: Reynolds Groundwater Desalination Facility Expansion					
Project serves a need of a DAC?:		<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		
Funding Match Waiver request?:		<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No		
Category		(a) Requested Grant Amount	(b) Cost Share: Non-State Fund Source* (Funding Match)	(c) Cost Share: Other State Fund Sources*	(d) Total
(GA)	Grant Administration	\$150,000	\$0	\$0	\$150,000
(a)	Direct Project Administration	\$0	\$10,000	\$0	\$10,000
(b)	Land Purchase/ Easement	\$0	\$435,000	\$350,000	\$785,000
(c)	Planning/ Design/ Engineering/ Environmental Documentation	\$0	\$1,300,000	\$1,300,000	\$2,600,000
(d)	Construction/ Implementation	\$5,000,000	\$19,219,638	\$14,164,638	\$38,384,276
(e)	Construction/ Implementation Contingency	\$0	\$0	\$0	\$0
(f)	Grand Total	\$5,150,000	\$20,964,638	\$15,814,638	\$41,929,276
<p>*List sources of funding:</p> <p>Non-State Fund Sources include local costs from the Sweetwater Authority for direct project administration (in-kind staff time). The Sweetwater Authority will utilize CIP funds necessary to purchase a portion (\$435,000) of the land easements. In addition, the Sweetwater Authority and the City of San Diego will provide local funding to pay for 50% of the design and environmental compliance work as well as approximately \$19.2 million for project construction. These funds have been agreed upon by both entities and have been designated for the project by each agency's governing body.</p> <p>In addition to local funding sources, the Sweetwater Authority received a grant of \$15,814,638 from the California Department of Public Health (CDPH) through Proposition 50. These funds were used to complete environmental documentation and design work and will also be used for project construction. \$350,000 of this funding will also be used to complete land purchases for the five groundwater well sites.</p>					

(GA) Grant Administration

The *Reynolds Groundwater Desalination Facility Expansion* project's contribution to grant administration will be \$150,000 or 3% of the total project grant request.

Row (a) Direct Project Administration Costs

Task 1: Project Administration

This work will be completed by Sweetwater and is not included in the budget.

Task 2: Labor Compliance Program (LCP)

Costs associated with labor compliance include time required by a consultant to submit and manage a LCP, which is assumed as 100 hours of work at a billing rate of \$100 per hour for a total of \$10,000.

Task 3: Reporting

This work will be completed by Sweetwater and is not included in the budget.

Row (b) Land Purchase/ Easement

Task 4: Land Acquisition

Costs associated with land acquisition and easement acquisition are based on property appraisals that were obtained for each of the five well sites that will be acquired for this project as well as the actual cost to secure one of the easements. In total this work is anticipated to cost \$785,000 for all five well sites.

Row (c) Planning/ Design/ Engineering/ Environmental Documentation

Task 5: Assessment and Evaluation

This work has been completed by Sweetwater and is not included in the budget.

Task 6: Final Design

The *Reynolds Groundwater Desalination Facility Expansion* is currently 90% designed. The budget estimate includes all preliminary and final design work, which is anticipated to total \$2,060,000 based upon previous work and estimates from the contractor that is currently preparing the design documents.

Task 7: Environmental Documentation

An Environmental Impact Report (EIR) has been completed for the project. Budget estimates associated with environmental documentation are based upon actual expenditures to complete finalization of the EIR (which took place after January 1, 2010) of \$540,000.

Task 8: Permitting

This work has been and will be completed by Sweetwater and is not included in the budget.

Row (d) Construction/Implementation

All construction/implementation-related costs are based upon a Class 3 Construction Cost Estimate that was prepared for Sweetwater in June 2014. Cost estimates provided by the contractor includes: costs for construction contracting (Task 9), costs for mobilization and site preparation (Task 10.1), costs for project construction of the four project components (Task 10.2), costs associated with performance testing and demobilization (Task 10.3), costs associated with environmental compliance (these costs are assumed under Task 10), and construction administration (Task 12).

In total the cost estimate provided by the contractor demonstrates that construction administration and construction activities associated with the project are anticipated to total \$38,384,276.

Row (e) Construction/Implementation Contingency

Not applicable.

Project 2: Fallbrook Plant Nurseries Recycled Water Distribution System Expansion

Local Project Sponsor: Fallbrook Public Utility District (Fallbrook)

Partners: Mission Resources Conservation District (MRCDC) and San Diego County Farm Bureau

A project summary budget table consistent with Table 7 in the PSP is provided below as **Table 5-4** for the *Fallbrook Plant Nurseries Recycled Water Distribution System Expansion* project. The following page includes the one-page summary to demonstrate how the budget shown in **Table 5-4** is reasonable based on current available information.

Table 5-4: Total Project Budget
Fallbrook Plant Nurseries Recycled Water Distribution System Expansion

Proposal Title: San Diego IRWM 2014 IRWM Drought Solicitation Implementation Grant Proposal					
Project Title: Fallbrook Plant Nurseries Recycled Water Distribution System Expansion					
Project serves a need of a DAC?:		<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		
Funding Match Waiver request?:		<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No		
		(a)	(b)	(c)	(d)
Category		Requested Grant Amount	Cost Share: Non-State Fund Source* (Funding Match)	Cost Share: Other State Fund Sources*	Total
(GA)	Grant Administration	\$23,160	\$0	\$0	\$23,160
(a)	Direct Project Administration	\$0	\$18,200	\$0	\$18,200
(b)	Land Purchase/ Easement	\$0	\$5,000	\$0	\$5,000
(c)	Planning/ Design/ Engineering/ Environmental Documentation	\$30,000	\$178,830	\$0	\$208,830
(d)	Construction/ Implementation	\$742,000	\$235,946	\$0	\$977,946
(e)	Construction/ Implementation Contingency	\$0	\$0	\$0	\$0
(f)	Grand Total	\$795,160	\$437,976	\$0	\$1,233,136
*List sources of funding:					
Fallbrook Public Utility District will provide in-kind staff time as funding match for the cost share included under rows a and c. District funds (from the CIP budget), which have been allocated for this project, will be used to purchase the one remaining land easement shown under row b.					
Costs included under row d include both in-kind staff time from Fallbrook as well as funds required to pay a construction contractor to complete construction-related tasks. Fallbrook's cost share for row d tasks that are not covered by in-kind services will be paid for by district funds from the CIP budget that have been allocated to the project.					

(GA) Grant Administration

The *Fallbrook Plant Nurseries Recycled Water Distribution System Expansion* project's contribution to grant administration will be \$23,160 or 3% of the total project grant request.

Row (a) Direct Project Administration Costs

Task 1: Project Administration

Costs for project administration include time for Fallbrook staff to complete administrative duties. Fallbrook staff with a \$70 per hour rate will dedicate 80 hours towards this task for a total of \$5,600.

Task 2: Labor Compliance Program (LCP)

Costs associated with the LCP include time for Fallbrook staff to manage the existing LCP. Fallbrook staff with a \$70 per hour rate will dedicate 80 hours towards this task for a total of \$5,600.

Task 3: Reporting

Costs for reporting include time required by Fallbrook staff to complete reporting duties. Fallbrook staff with a \$70 per hour rate will dedicate 100 hours towards this task for a total of \$7,000.

Row (b) Land Purchase/ Easement

Task 4: Land Acquisition

Costs associated with land acquisition involve purchasing one remaining property easement. Based on previous easement costs, it is anticipated that this remaining easement will cost \$5,000.

Row (c) Planning/ Design/ Engineering/ Environmental Documentation

Task 5: Assessment and Evaluation

Costs associated with this task include Fallbrook staff time to complete a preliminary alignment study and final demand estimates (120 hours at \$70/hour rate) and time required by MRCD (80 hours at \$100/hour rate) and Fallbrook (28 hours at \$70/hour rate) to complete outreach activities for a total of \$18,360.

Task 6: Final Design

Costs for design include preliminary design that was conducted by Fallbrook (400 hours at \$70/hour rate) and final design that will be conducted by Fallbrook (1,578 hours at \$70/hour rate) for a total of \$138,460.

Task 7: Environmental Documentation

Work in this task involves completing a Final Adopted Mitigated Negative Declaration, which will require 428 hours of time from Fallbrook staff (\$70/hour billing rate) for a total of \$29,960.

Task 8: Permitting

Work in this task includes time for Fallbrook staff to assist recycled water users with obtaining permits (315 hours at \$70/hour rate) for a total of \$22,050. Construction permit costs are under Task 10.

Row (d) Construction/Implementation

Task 9: Construction Contracting

Costs associated with construction contracting include time for Fallbrook staff to issue bids and award a final contract. Fallbrook staff with a \$70 per hour rate will dedicate 285 hours towards this task (\$19,950).

Task 10: Construction (includes Subtasks 10.1, 10.2 and 10.3)

Costs associated with construction include materials costs, equipment costs, as well as labor costs for mobilization, installing pipelines and meters, providing onsite retrofit construction support, demobilization, soil testing, preparing operating manuals, and verification of onsite retrofits. Costs are based upon engineering estimates from Fallbrook based on implementation of similar projects and total \$911,096.

Task 11: Environmental Compliance

Costs for environmental compliance include 285 hours of time from Fallbrook staff with a \$70 per hour rate (\$19,950) to implement any small-scale environmental mitigation measures that could be required.

Task 12: Construction Administration

Costs for construction administration include 385 hours of time from Fallbrook staff with a \$70 per hour rate to provide engineering and construction management services during construction.

Row (e) Construction/Implementation Contingency

Not applicable.

Project 3: Carlsbad Recycled Water Plant and Distribution System Expansion

Local Project Sponsor: Carlsbad Municipal Water District (Carlsbad)

Partners: Olivenhain Municipal Water District (OMWD)

A project summary budget table consistent with Table 7 in the PSP is provided below as **Table 5-5** for the *Carlsbad Recycled Water Plant and Distribution System Expansion* project. The following page includes the one-page summary to demonstrate how the budget shown in **Table 5-5** is reasonable based on current available information.

**Table 5-5: Total Project Budget
Carlsbad Recycled Water Plant and Distribution Expansion**

Proposal Title: San Diego IRWM 2014 IRWM Drought Solicitation Implementation Grant Proposal					
Project Title: Carlsbad Recycled Water Plant and Distribution System Expansion					
Project serves a need of a DAC?:		<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		
Funding Match Waiver request?:		<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No		
		(a)	(b)	(c)	(d)
Category		Requested Grant Amount	Cost Share: Non-State Fund Source* (Funding Match)	Cost Share: Other State Fund Sources*	Total
(GA)	Grant Administration	\$120,000	\$0	\$0	\$120,000
(a)	Direct Project Administration	\$0	\$145,000	\$0	\$145,000
(b)	Land Purchase/ Easement	\$0	\$0	\$0	\$0
(c)	Planning/ Design/ Engineering/ Environmental Documentation	\$230,000	\$666,000	\$0	\$896,000
(d)	Construction/ Implementation	\$3,770,000	\$3,476,000	\$3,156,000	\$10,402,000
(e)	Construction/ Implementation Contingency	\$0	\$0	\$0	\$0
(f)	Grand Total	\$4,120,000	\$4,287,000	\$3,156,000	\$11,563,000
*List sources of funding:					
Carlsbad will provide in-kind staff time as funding match for a portion of the cost share included under row a (Task 1). Remaining funds under row a (Task 3) will be funded through Carlsbad's CIP/Recycled Water Funds, which have already been allocated to this project. Costs included in Row c will also be funded through Carlsbad's CIP/Recycled Water Funds, which have already been allocated to this project.					
Costs included under row d include in-kind staff time from Carlsbad as well as funds required to pay a construction contractor to complete construction-related tasks. Carlsbad's cost share for row d tasks that are not covered by in-kind services will be paid for by Carlsbad's CIP/Recycled Water Funds, which have already been allocated to this project. Furthermore, \$3,156,000 of funding for row d will be paid for through the State Water Resources Control Board's State Revolving Fund (SRF) Program; Carlsbad has submitted an application for SRF funding, which is anticipated for final approval by August 2014.					

(GA) Grant Administration

The *Carlsbad Recycled Water Plant and Distribution System Expansion* project's contribution to grant administration will be \$120,000 or 3% of the total project grant request.

Row (a) Direct Project Administration Costs

Task 1: Project Administration

Costs for project administration include time for Carlsbad staff to complete administrative duties. Carlsbad staff will dedicate 900 total hours to this task with a billing rate of \$150 (100 hours) and \$125 (800 hours) for a total of \$115,000.

Task 2: Labor Compliance Program (LCP)

This work will be completed by Carlsbad and is not included in the budget.

Task 3: Reporting

Costs for project administration include time for a consultant to complete reporting duties. A consultant will contribute a total of 240 hours at a rate of \$125 per hour to completion of this task for a total of \$30,000.

Row (b) Land Purchase/ Easement

Task 4: Land Acquisition

Not applicable.

Row (c) Planning/ Design/ Engineering/ Environmental Documentation

Task 5: Assessment and Evaluation

This work has been completed by Carlsbad and is not included in the budget.

Task 6: Final Design

Costs associated with design include preliminary design work and final design work for both the Water Reclamation Facility (WRF) expansion and the pipeline segments. A consultant will contribute 6,740 hours to this task with a billing rate of \$150 (2,140 hours) and \$125 (4,600 hours) for a total of \$896,000.

Task 7: Environmental Documentation

This work has been completed by Carlsbad and is not included in the budget.

Task 8: Permitting

This work will be completed by Carlsbad and is not included in the budget.

Row (d) Construction/Implementation

Task 9: Construction Contracting

Costs associated with construction contracting include time for Carlsbad staff to issue bids and award a final contract. Carlsbad staff with a \$120 per hour rate will dedicate 90 hours towards this task for a total of \$10,800.

Task 10: Construction (includes Subtasks 10.1, 10.2, 10.3, 10.4, and 10.5)

Costs associated with construction include materials costs, equipment costs, as well as labor costs for mobilization, construction of the WRF expansion and pipeline segments, customer retrofit support (from Carlsbad staff), performance testing, and conducting outreach on turf management. Costs are based upon engineering and outreach estimates from Carlsbad based on implementation of similar projects and total \$9,491,200.

Task 11: Environmental Compliance

This work has been and will be completed by Carlsbad and is not included in the budget.

Task 12: Construction Administration

Costs for construction administration include time for a consultant to conduct construction management, materials testing, and inspection. These costs are based upon contractor estimates from Carlsbad based on implementation of similar projects and total \$900,000.

Row (e) Construction/Implementation Contingency

Not applicable.

Project 4: Regional Demand Management Program Expansion

Local Project Sponsor: San Diego County Water Authority (SDCWA)

Partners: SDCWA Member Agencies, San Diego Gas & Electric (SDG&E), California Landscape Contractors Association

A project summary budget table consistent with Table 7 in the PSP is provided below as **Table 5-6** for the *Regional Demand Management Program Expansion*. The following page includes the one-page summary to demonstrate how the budget shown in **Table 5-6** is reasonable based on current available information.

**Table 5-6: Total Project Budget
Regional Demand Management Program Expansion**

Proposal Title: San Diego IRWM 2014 IRWM Drought Solicitation Implementation Grant Proposal					
Project Title: Regional Demand Management Program Expansion					
Project serves a need of a DAC?:		<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		
Funding Match Waiver request?:		<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No		
		(a)	(b)	(c)	(d)
Category		Requested Grant Amount	Cost Share: Non-State Fund Source* (Funding Match)	Cost Share: Other State Fund Sources*	Total
(GA)	Grant Administration	\$30,270	\$0	\$0	\$30,270
(a)	Direct Project Administration	\$19,362	\$6,453	\$0	\$25,816
(b)	Land Purchase/ Easement	\$0	\$0	\$0	\$0
(c)	Planning/ Design/ Engineering/ Environmental Documentation	\$0	\$0	\$0	\$0
(d)	Implementation	\$972,026	\$330,618	\$0	\$1,302,644
(e)	Implementation Contingency	\$17,524	\$0	\$0	\$17,524
(f)	Grand Total	\$1,039,182	\$337,072	\$0	\$1,376,254
*List sources of funding:					
There are three sources of local funding match associated with the <i>Regional Demand Management Program Expansion</i> , including:					
1. SDCWA/SDG&E Water-Energy Partnership: \$173,072					
2. Metropolitan Water District of Southern California/SDCWA WaterSmart Program: \$130,000					
3. Hans and Margaret Doe Charitable Trust/SDCWA: \$34,000					

(GA) Grant Administration

The *Regional Demand Management Program's* contribution to grant administration will be \$30,270 or 3% of the total project grant request.

Row (a) Direct Project Administration Costs

Task 1: Project Administration

Costs for project administration include time for SDCWA staff to complete administrative duties. SDCWA staff will dedicate approximately 364 total hours to this task with a billing rate of \$70.89 for a total of \$25,816.

Task 2: Labor Compliance Program (LCP)

Not applicable.

Task 3: Reporting

This work will be completed by SDCWA and is not included in the budget.

Row (b) Land Purchase/ Easement

Task 4: Land Acquisition

Not applicable.

Row (c) Planning/ Design/ Engineering/ Environmental Documentation

Task 5: Assessment and Evaluation

This work has been completed by SDCWA and is not included in the budget.

Task 6: Final Design

Not applicable.

Task 7: Environmental Documentation

Not applicable.

Task 8: Permitting

This work is not included in the budget.

Row (d) Construction/Implementation

Task 9: Implementation Contracting

Costs associated with implementation contracting include SDCWA staff time to procure implementation contracts for each of the four components of this program as well as the outsourced implementation services. In total it is anticipated that this task will require approximately 5,200 hours of time by various staff and contractors working at variable billing rates for a total cost of \$340,845. Costs are based upon estimates from SDCWA and its partners based on implementation of similar projects.

Task 10: Implementation (includes Subtasks 10.1, 10.2, and 10.3)

Costs associated with implementation include materials costs (hardware, retrofit materials, and financial incentives for turf replacement) and labor associated with implementing the program (finalizing contractor participation agreements and site participation agreements, and conducting landscape workshops). In total it is anticipated that this task will require approximately \$671,557 for materials costs and \$290,242 for labor costs. Costs are based upon estimates from SDCWA and its partners based on implementation of similar projects.

Task 11: Environmental Compliance

Not applicable.

Task 12: Construction Administration

Not applicable.

Row (e) Construction/Implementation Contingency

The detention facility retrofit project (component two of the program) has potentially variable costs associated with equipment and labor necessary for the retrofit. As such, a 12.5% contingency cost for the retrofit program was included as part of the budget; this cost totals \$17,524.

Project 5: San Diego Water Use Reduction Program

Local Project Sponsor: City of San Diego (City)
Partners: San Diego Gas & Electric (SDG&E)

A project summary budget table consistent with Table 7 in the PSP is provided below as **Table 5-7** for the *San Diego Water Use Reduction Program*. The following page includes the one-page summary to demonstrate how the budget shown in **Table 5-7** is reasonable based on current available information.

Table 5-7: Total Project Budget
San Diego Water Use Reduction Program

Proposal Title: San Diego IRWM 2014 IRWM Drought Solicitation Implementation Grant Proposal					
Project Title: San Diego Water Use Reduction Program					
Project serves a need of a DAC?:		<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		
Funding Match Waiver request?:		<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No		
		(a)	(b)	(c)	(d)
Category		Requested Grant Amount	Cost Share: Non-State Fund Source* (Funding Match)	Cost Share: Other State Fund Sources*	Total
(GA)	Grant Administration	\$20,986	\$0	\$0	\$20,986
(a)	Direct Project Administration	\$20,666	\$0	\$0	\$20,666
(b)	Land Purchase/ Easement	\$0	\$0	\$0	\$0
(c)	Planning/ Design/ Engineering/ Environmental Documentation	\$0	\$0	\$0	\$0
(d)	Construction/ Implementation	\$674,860	\$232,920	\$0	\$907,780
(e)	Construction/ Implementation Contingency	\$3,994	\$0	\$0	\$3,994
(f)	Grand Total	\$720,506	\$232,920	\$0	\$953,426
*List sources of funding:					
Costs included under row d include in-kind staff time from the City as well as funds required to pay a construction contractor to complete construction-related tasks. The City's cost share for row d tasks that are not covered by in-kind services will be paid for by the City of San Diego Public Utilities Department's Operating Budget, which have already been allocated to this project.					

(GA) Grant Administration

The *San Diego Water Use Reduction Program's* contribution to grant administration will be \$20,986 or 3% of the total project grant request.

Row (a) Direct Project Administration Costs

Task 1: Project Administration

Costs for project administration include time for City staff to complete administrative duties. City staff will dedicate 90 total hours to this task with a billing rate of \$114.81 for a total of \$10,333.

Task 2: Labor Compliance Program (LCP)

Work necessary to manage the City's existing LCP is not included in the budget.

Task 3: Reporting

Costs for reporting include time for City staff to complete reporting duties. City staff will dedicate 90 total hours to this task with a billing rate of \$114.81 for a total of \$10,333.

Row (b) Land Purchase/ Easement

Task 4: Land Acquisition

Not applicable.

Row (c) Planning/ Design/ Engineering/ Environmental Documentation

Task 5: Assessment and Evaluation

This work has been completed by the City and is not included in the budget.

Task 6: Final Design

Preliminary and final design work will be completed by the City prior to contract execution; this work is not included in the budget.

Task 7: Environmental Documentation

Not applicable.

Task 8: Permitting

Additional permitting will not be required for this project and is not included in the budget.

Row (d) Construction/Implementation

Task 9: Construction Contracting

Construction contracting is not necessary for this program and is not included as part of the Proposal.

Task 10: Construction (includes Subtasks 10.1, 10.2, and 10.3)

Costs associated with construction include materials and labor costs for the Pressure Regulator Incentive Pilot Program (PRIP) and the Recycled Water Filling Station (RWFS). For the PRIP, materials costs include funding for incentives (pressure reducing valves for single family and commercial users) and labor associated with implementing the program (processing rebates, site visits, and outreach). For the RWFS, materials costs include materials to construct the RWFS as well as labor costs to complete construction. In total it is anticipated that this task will require \$433,000 for materials and rebate costs and \$336,726 for labor costs. Costs are based upon estimates from the City of San Diego and its partners based on implementation of similar projects as well as market research on the cost for materials.

Task 11: Environmental Compliance

Not applicable.

Task 12: Construction Administration

Costs for construction administration include labor to manage the PRIP and construction of the RWFS. Management of the RWFS is anticipated to require 243 hours of time for City staff with a billing rate of \$103 for a total of \$25,000. Management of the PRIP Program is anticipated to require 1,080 hours of time for City staff with a billing rate of \$105 for a total of \$113,054.

Row (e) Construction/Implementation Contingency

The RWFS has potentially variable costs associated with equipment necessary for construction. As such, contingency cost of approximately 5% for construction of the RWFS was included as part of the budget; this cost totals \$3,994.

Project 6: Rincon Customer-Driven Demand Management Program

Local Project Sponsor: Rincon del Diablo Municipal Water District (Rincon)
Partners: City of Escondido

A project summary budget table consistent with Table 7 in the PSP is provided below as **Table 5-8** for the *Rincon Customer-Driven Demand Management Program*. The following page includes the one-page summary to demonstrate how the budget shown in **Table 5-8** is reasonable based on current available information.

Table 5-8: Total Project Budget
Rincon Customer-Driven Demand Management Program

Proposal Title: <i>San Diego IRWM 2014 IRWM Drought Solicitation Implementation Grant Proposal</i> Project Title: Rincon Customer-Driven Demand Management Program					
Project serves a need of a DAC?:		<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		
Funding Match Waiver request?:		<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No		
Category		(a) Requested Grant Amount	(b) Cost Share: Non-State Fund Source* (Funding Match)	(c) Cost Share: Other State Fund Sources*	(d) Total
(GA)	Grant Administration	\$18,028	\$0	\$0	\$18,028
(a)	Direct Project Administration	\$3,024	\$1,008	\$0	\$4,031
(b)	Land Purchase/ Easement	\$0	\$0	\$0	\$0
(c)	Planning/ Design/ Engineering/ Environmental Documentation	\$0	\$0	\$0	\$0
(d)	Construction/ Implementation	\$597,903	\$199,301	\$0	\$797,204
(e)	Construction/ Implementation Contingency	\$0	\$0	\$0	\$0
(f)	Grand Total	\$618,955	\$200,309	\$0	\$819,263
*List sources of funding: Rincon will provide in-kind staff time as funding match for the cost share included under row a. Cost match included under row d includes both in-kind staff time from Rincon as well as funds required to purchase equipment and complete implementation-related tasks. Rincon's cost share for row d tasks that are not covered by in-kind services will be paid for by funds from the CIP budget that have been allocated to the project.					

(GA) Grant Administration

The *Rincon Customer-Driven Demand Management Program's* contribution to grant administration will be \$18,028 or 3% of the total project grant request.

Row (a) Direct Project Administration Costs

Task 1: Project Administration

Costs for project administration include time for Rincon staff to complete administrative duties. Rincon staff will dedicate 39 total hours to this task with a billing rate of \$68.33 for a total of \$2,665.

Task 2: Labor Compliance Program (LCP)

Not applicable.

Task 3: Reporting

Costs for reporting include time for Rincon staff to complete reporting duties. Rincon staff will dedicate 20 total hours to this task with a billing rate of \$68.33 for a total of \$1,367.

Row (b) Land Purchase/ Easement

Task 4: Land Acquisition

Not applicable.

Row (c) Planning/ Design/ Engineering/ Environmental Documentation

Task 5: Assessment and Evaluation

Assessment and evaluation work has been completed by Rincon and is not included in the budget.

Task 6: Final Design

Not applicable.

Task 7: Environmental Documentation

Not applicable.

Task 8: Permitting

Not applicable.

Row (d) Construction/Implementation

Task 9: Implementation Contracting

Not applicable.

Task 10: Implementation (includes Subtasks 10.1, 10.2, and 10.3)

Costs associated with implementation preparation include work necessary to develop and implement an initial customer survey, provide interface with users during the beginning months of the program, and produce outreach materials. This preparation work will require materials costs associated with producing and sending outreach materials to customers and labor associated with providing customer interface and office support to customers. It is anticipated that total materials costs will total \$8,432 and total labor costs will total \$18,974 for implementation preparation.

Costs associated with project implementation include work necessary to install radio-compatible meters, adjust customer accounts, and complete invoicing activities. This implementation work will require materials costs associated with purchasing radio-compatible meters, transmitter users, and software and labor associated with installing radio-compatible meters and transmitter units and maintaining records of all installations. It is anticipated that total materials costs will total \$743,616 and total labor costs will total \$26,180 for implementation.

Task 11: Environmental Compliance

Not applicable.

Task 12: Construction Administration

Not applicable.

Row (e) Construction/Implementation Contingency

Not applicable.

Project 7: Regional Emergency Storage and Conveyance Intertie Optimization

Local Project Sponsor: City of San Diego (City)
Partners: SDCWA and Santa Fe Irrigation District (SFID)

A project summary budget table consistent with Table 7 in the PSP is provided below as **Table 5-9** for the *Regional Emergency Storage and Conveyance Intertie Optimization* project. The following page includes the one-page summary to demonstrate how the budget shown in **Table 5-9** is reasonable based on current available information.

Table 5-9: Total Project Budget
Regional Emergency Storage and Conveyance Intertie Optimization

Proposal Title: <i>San Diego IRWM 2014 IRWM Drought Solicitation Implementation Grant Proposal</i> Project Title: <i>Regional Emergency Storage and Conveyance Intertie Optimization</i>					
Project serves a need of a DAC?:		<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		
Funding Match Waiver request?:		<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No		
Category		(a) Requested Grant Amount	(b) Cost Share: Non-State Fund Source* (Funding Match)	(c) Cost Share: Other State Fund Sources*	(d) Total
(GA)	Grant Administration	\$76,635	\$0	\$0	\$76,635
(a)	Direct Project Administration	\$0	\$231,210	\$0	\$231,210
(b)	Land Purchase/ Easement	\$0	\$0	\$0	\$0
(c)	Planning/ Design/ Engineering/ Environmental Documentation	\$525,730	\$291,956	\$0	\$817,686
(d)	Construction/ Implementation	\$1,627,507	\$215,593	\$0	\$1,843,100
(e)	Construction/ Implementation Contingency	\$401,263	\$98,841	\$0	\$500,104
(f)	Grand Total	\$2,631,135	\$837,600	\$0	\$3,468,735

***List sources of funding:**

The City of San Diego will provide in-kind staff time as funding match for the cost share included under row a.

Costs included under row c include both in-kind staff time from the City and its partners as well as funding from the City's CIP budget; both non-in-kind funding sources have been allocated for this project.

Costs included under row d include both in-kind staff time from the City as well as funds required to pay a construction contractor to complete construction-related tasks. The City's cost share for row d tasks that are not covered by in-kind services will be paid for by local funds from the City and its partners; these funding sources have been allocated to the project.

(GA) Grant Administration

The *Regional Emergency Storage and Conveyance Inertie Optimization* project's contribution to grant administration will be \$76,635 or 3% of the total project grant request.

Row (a) Direct Project Administration Costs

Task 1: Project Administration

Costs for project administration include time to complete administrative duties. City staff will dedicate 700 hours to this task with a rate of \$38. Consultant staff will dedicate 400 hours at a rate of \$227.

Task 2: Labor Compliance Program (LCP)

The City will ensure the existing LCP is managed for this project; this work is not included in the budget.

Task 3: Reporting

Cost for reporting will include time to complete reporting duties. City and consulting staff will dedicate 1,010 hours to this task by various staff with variable billing rates for a total of \$113,810.

Row (b) Land Purchase/ Easement

Task 4: Land Acquisition

Not applicable.

Row (c) Planning/ Design/ Engineering/ Environmental Documentation

Task 5: Assessment and Evaluation

Costs associated with this task include costs necessary to complete planning documents that are listed in the Work Summary. Costs are based on either completed work or proposals and total \$259,956.

Task 6: Final Design

Costs associated with design include preliminary and final design work. These costs will be incurred by a consultant through a design-build contract and are anticipated to total \$505,980.

Task 7: Environmental Documentation

Work in this task involves time to prepare a Mitigated Negative Declaration (MND) based on the City's previous experience. Total costs are anticipated to be \$27,500 for this effort.

Task 8: Permitting

Work in this task includes time required to obtain all permits listed in the Work Summary. Total costs are anticipated to be \$24,250 for this effort based on the City's previous experience obtaining permits.

Row (d) Construction/Implementation

Task 9: Construction Contracting

Costs associated with construction contracting include time for City staff to issue bids and award a final contract. City staff will dedicate 350 total hours to this task with a billing rate of \$42 (50 hours) and \$38 (200 hours) for a total of \$13,900.

Task 10: Construction (includes Subtasks 10.1, 10.2, and 10.3)

Costs for construction include costs for materials, equipment, and labor for mobilization, installing the on-shore and off-shore project components (including the oxygenation system), conducting outreach, and completing demobilization and post-construction work. Costs are based upon engineering estimates from the City based on implementation of similar projects and consultant estimates and total \$1,442,101.

Task 11: Environmental Compliance

Costs for environmental compliance are based upon previous experience implementing a Mitigation Monitoring and Reporting Program for a MND based on previous experience and total \$135,999.

Task 12: Construction Administration

Costs for construction administration include staff time as well as construction contractor time necessary to complete all construction management activities and total \$251,100.

Row (e) Construction/Implementation Contingency

Construction of the oxygenation system has potentially variable costs associated with equipment and labor necessary for construction. As such, a contingency cost of approximately 3% for construction was included as part of the budget; this cost totals \$500,104.