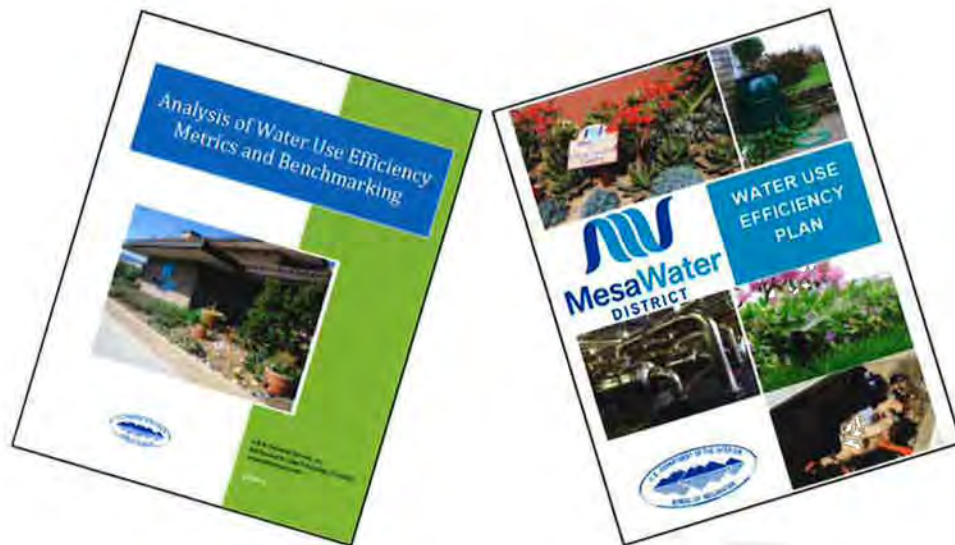


Water Use Efficiency Benchmarking Study and Plan

Final Project Report



Agreement R12AP35342

Mesa Water District
1965 Placentia Avenue
Costa Mesa, CA 92627
1/20/2014

Water Use Efficiency Benchmarking Study and Plan

1. Recipient Information:	
Recipient Name:	Mesa Water District
Project Name:	Water Use Efficiency Benchmarking Study and Plan
Assistance Agreement No:	R12AP35342
Date of Award:	8/20/2012
Estimated Completion Date:	1/31/2013
Actual Completion Date:	11/14/2013

2. Final Funding Information	
Non-Federal Entities	
1. Mesa Water District	\$73,251.06
2.	
3.	
Non-Federal Subtotal:	\$73,251.06
Other Federal Entities	
1.	
2.	
3.	
Other Federal Subtotal:	\$0
Requested Reclamation Funding:	
	\$50,000.00
Total Project Funding:	
	\$123,251.06

3. One Paragraph Project Summary:
<p>The Water Use Efficiency Benchmarking Study and Plan (Plan) for Mesa Water District (Mesa Water) quantitatively benchmarks Mesa Water's water use efficiency program and activities in Orange County, and is a written plan defining how Mesa Water will comply with the California goal of a 20 percent reduction in municipal water use by the year 2020. The WUE plan will achieve the water savings goal at the lowest possible cost while maintaining a balance of quality programs desired by customers and the general public throughout Mesa Water's service area. The WUE Plan recommends a portfolio of WUE programs that builds on the track record of successful Mesa Water programs and regional funding for new WUE innovations.</p>

4. Final Project Description:

Briefly describe components of the project and the work completed, including each element of the scope of work and the work completed at each stage of the project. Describe any changes in the project scope.

Task 1. Water Efficiency Benchmark Analysis – The first component of the project is an analysis of water efficiency metrics, which will be used to recommend a water efficiency benchmark. The three water efficiency metrics are: Aggregate, total system use per connection/capita; Disaggregate, customer sector per connection; and End Use, how the customer uses the water.

Task 2. Collect and Review Existing Data – Historical water consumption by customer class was evaluated to calculate an indoor and outdoor water use estimation. Additionally, historical conservation activities, including CUWCC BMPs and local and regional water conservation programs, were evaluated to quantify water saved.

Task 3. Evaluate Conservation Potential – This evaluation of water conservation potential builds upon the historical conservation activities identified in Task 2. Market potential for conservation is evaluated for each major customer class, including residential, commercial, industrial, institutional, and landscape. One change in the project scope included an additional statistical analysis of demand, to estimate demand trends and demand hardening. This effort will be used in future efforts of water demand forecasting.

Task 4. Evaluate Water Use Efficiency Regulations – Compliance status is evaluated for AB 1881 (Model Water Efficient Landscape Ordinance), SBx7-7 (20% reduction in per capita water use by 2020), and AB 1420 (DMM/BMP Implementation). At this point, Mesa Water is on track to comply or is in compliance with all regulatory requirements.

Task 5. Water Use Efficiency Plan – The WUE Plan is the keystone component of the project, encompassing results from Tasks 2, 3, and 4. It evaluates all of the current WUE activities and potential future activities. The Plan sets out a program schedule for the next 5 fiscal years with existing programs and two new programs: a multi-family HET direct installation program and a high-efficiency sprinkler nozzle distribution program.

5. Accomplishment of Project Goals:

Describe the goals and objectives of the project and whether each of these was met. Where appropriate, state the reasons why goals and objectives were not met, and describe any problems or delays encountered in completing the project. Please include whether or not the project was completed within cost.

The goal of the project was to conduct a WUE Benchmarking Analysis and create a WUE Plan. The objective was that the WUE Plan would achieve the water savings goal at the lowest possible cost while maintaining a balance of quality programs desired by customers and the general public throughout Mesa Water's service area. The WUE program portfolio contains a number of WUE programs in various sectors, which as a whole, is cost-effective, and satisfies the objective.

Two delays in the project required the Mesa Water to request extensions from USBR. The first delay in the project timeline occurred due to a lower than expected response to the initial Request For Proposal release, requiring staff to revise and re-release the RFP. Following a second release of the RFP, several proposals were submitted, and staff reviewed the proposals and conducted interviews to select the best candidate. The second delay in the project timeline occurred in presenting Task 1, Review of WUE Metrics/Benchmarks, to Mesa Water District's Engineering & Operations Committee, to reflect a more comprehensive update of Tasks 1-4. This delayed the completion of the WUE Plan based on the Board of Directors' direction.

The project cost did increase based on the Board of Director's direction to include an additional statistical analysis of demand, to estimate demand trends and demand hardening. This effort will be used in future efforts of water demand forecasting. This increased the District's project cost by a change-order for \$9,920.00. Additional staff time was incurred in order to accommodate the additional analysis and to ensure compatibility of the WUE Plan with Mesa Water's 2013 Strategic Goals and 2013 Business Process Evaluation.

6. Discussion of Amount of Water Conserved, Marketed, or Better Managed:

In responding to the questions set forth below, Recipients should rely on the best data or information available. Actual field measurements should be used whenever possible (e.g. baseline data or post-project data derived from measuring devices, diversion records, seepage tests, etc.) Where actual field measurements are not available, water savings (or amounts marketed or better managed) may be estimated based on studies, or similar improvement projects, or anecdotal evidence.

A. Recipients total water supply (average, annual, available water supply in acre-feet per year):

The total water demand for retail customer served by Mesa Water District is approximately 19,400 acre-feet annually.

B. Amount of water conserved, marketed, or better managed, as a result of the project (in acre-feet per year):

The Plan is estimated to conserve 273 acre-feet of water per year, and 2,472 acre-feet of water over the life of the measures.

C. Describe how the amounts stated in response 6.B were calculated or estimated:

In responding to this question, please address (1)-(3) below.

- (1) Describe the information/data being relied on to calculate/estimate the project benefits. State how that data/information was obtained, if appropriate. Provide any other information necessary to explain how the final calculation/estimate of project benefits was made.**

The annual and lifetime water savings estimates are based data from the following sources:

- Metropolitan Water District of Southern California: SoCalWater\$mart and Save A Buck programs.
- Municipal Water District of Orange County: MWDSC data is used and adjusted for Orange County specific conditions, including: EvapoTranspiration rates and efficient plumbing stock saturation.

- (2) As appropriate, please include an explanation of any concerns or factors affecting the reliability of the data/information relied on.**

We believe that the data used in the Water Conservation Tracking Tool is reliable, and represents likely water savings for Mesa Water, based on Southern California and Orange County specific data.

- (3) Attach any relevant data, reports, or other support relied on in the calculation/estimate of project benefits, if available. Please briefly describe the data/information attached, if any.**

Attached is a copy of the Activity Assumptions Input Table, which is used to populate the AWE Water Conservation Tracking Tool, used to create the WUE Plan.

D. Use of Conserved Water:

Please explain where the water saved, better managed, or marketed as a result of the project is going (e.g. used by the recipient, in stream flows, available to junior water users, etc.)

Water saved will be used by the recipient in areas where redevelopment occurs, and will be available to other water users in Orange County.

E. Future tracking of project benefits:

Please state whether and how the recipient plans to track the benefits of the project (water saved, marketed, or better managed) in the future. If no actual field measurements are currently available to support the estimate of project benefits in 6.B., please state whether actual field measurements will become available in the future. If so, please state whether the Recipient is willing to provide such data to Reclamation on a voluntary basis once it is available.

The benefits of the project can be tracked in accordance with staff and data availability. Many of the conservation activities are tracked by Metropolitan Water District's SoCalWater\$mart program, and can be later re-evaluated through the AWE Conservation Tracking Tool. Additionally, in-house programs such as the Multi-Family High-Efficiency Toilet Direct Installation program will be tracked closely for cost-effectiveness and customer satisfaction.

7. Discussion of Amount of Renewable Energy Added:

If your project included the installation of a renewable component, please describe the amount of energy the system is generating annually. Please provide any data/reports in support of this calculation.

This project did not include the installation of a renewable energy component.

8. Describe how the project demonstrates collaboration, stakeholder involvement, or the formation of partnerships, if applicable:

Please describe the collaboration involved in the project, and the role of any cost-share or other types of partners. If there were any additional entities that provided support (financial or otherwise), please list them.

The WUE Benchmarking Study and Plan was a successful collaborative project, in that it involved the collaboration of a public water retailer agency, a public water wholesaler agency, and utilizing the efforts of a small business.

Staff from Municipal Water District of Orange County and the United States Bureau of Reclamation assisted in reviewing project proposals from numerous qualified applicants. The perspective from colleagues in different agencies was invaluable, and helped ensure the best applicant was chosen.

Additionally, staff from MWDOC assisted the project effort by supplying data and information. MWDOC also provided insight into the type and quantity of conservation programs that would be offered Countywide, to ensure that Mesa Water's programs would be the most successful.

9. Describe any other pertinent issues regarding the project:

Mesa Water District and A&N Technical Services, Inc. have submitted an abstract from the Water Use Efficiency Benchmarking Analysis at the WaterSmart Innovations Conference and Exposition in Las Vegas, NV in the Fall of 2014.

10. Feedback to Reclamation regarding the WaterSMART Program:

Please let us know if there is anything we can do to improve the WaterSMART program in general, including the process for applying for or completing a WaterSMART project. Your feedback is important to us.

Overall, Mesa Water District is extremely satisfied with the financial and technical assistance provided by the Bureau of Reclamation in completing our WaterSMART project.

A suggestion would be to release the Progress Report and Final Report requirements at the beginning of the project in order to allow the Applicants to prepare for what information/data will be needed for reporting purposes.

11. Attachments: *Please see the following attachments.*

- Data or information relied on in responding to Question 6:
 - MesaWater_InputTable_ActivityAssumptions
 - Saveabuck_savings
- A table showing the total expenditures for the completed project:
 - Final Project Costs Table
- Additional attachments:
 - Release
 - SF-425
 - SF-270
 - WCFSP Benefits Form

FINANCIAL REPORT: FINAL
Mesa Water District
Water Use Efficiency Benchmarking Study and Plan
Reporting Period: 8/20/2012 - 12/31/2013

BUDGET ITEM DESCRIPTION	COMPUTATION		APPLICANT FUNDING	RECLAMATION FUNDING	TOTAL COST
	\$/Unit and Unit	Quantity			
<u>SALARIES AND WAGES</u>	Rate	Hrs	Salaries		
Project Administrator (B. Carlson)	\$56.55	86	\$4,863.30		\$4,863.30
Project Manager (J. Finch)	\$29.04	144.5	\$4,196.28		\$4,196.28
TOTALS		230.5	\$9,059.58		\$9,059.58
<u>FRINGE BENEFITS</u>	Rate	Hrs	Benefits		
Project Administrator (B. Carlson)	\$23.41	86	\$2,013.26		\$2,013.26
Project Manager (J. Finch)	\$15.87	144.5	\$2,293.22		\$2,293.22
TOTALS		230.5	\$4,306.48		\$4,306.48
TOTAL SALARIES/WAGES AND FRINGE BENEFITS		230.5	\$13,366.06		\$13,366.06
TRAVEL	Does not apply to this Project				
EQUIPMENT	Does not apply to this Project				
CONTRACTUAL/ CONSTRUCTION	\$109,885.00		\$59,885.00	\$50,000.00	\$109,885.00
ENVIRONMENTAL AND REGULATORY COMPLIANCE	Does not apply to this Project				
TOTAL DIRECT COSTS			\$73,251.06	\$50,000.00	\$123,251.06
TOTAL INDIRECT COSTS			\$0	\$0.00	\$0.00
TOTAL PROJECT COSTS			\$73,251.06	\$50,000.00	\$123,251.06
Percent Contribution			59%	41%	100%

Detail Report.LC -

Report Date: 01/23/2014

Primary Sort By: Company(G1);Department(G2)

Report Time: 11:01:59 AM

08/01/2012 - 12/31/2013 [518 days]

Date	Pay Code	Reg Hrs	OT-1	OT-2	Daily Total	Code	Reason
Company: 100 [MESA]							
Department: 11 [Customer Services]							

9030 [CARLSON, BARRY EDWIN]

Pay Policy	1 [DEFAULT PAY POLICY]	Employee Status	A	Code(G3)	1 [No Labor or Project Code]
Last Name	CARLSON				

08/06/2012 Mon	4 [REG]	3.00		3.00	91304-11
08/20/2012 Mon	4 [REG]	1.00		1.00	91304-11
09/04/2012 Tue	4 [REG]	1.00		1.00	91304-11
10/15/2012 Mon	4 [REG]	9.00		9.00	91304-11
10/16/2012 Tue	4 [REG]	1.00		1.00	91304-11
04/22/2013 Mon	4 [REG]	9.00		9.00	91304-11
04/23/2013 Tue	4 [REG]	9.00		9.00	91304-11
04/24/2013 Wed	4 [REG]	9.00		9.00	91304-11
04/25/2013 Thu	4 [REG]	1.00		1.00	91304-11
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06/25/2013 Tue	4 [REG]	8.00		8.00	91304-11
06/26/2013 Wed	4 [REG]	0.50		0.50	91304-11
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08/27/2013 Tue	4 [REG]	3.00		3.00	91304-11
10/01/2013 Tue	4 [REG]	6.00		6.00	91304-11
10/28/2013 Mon	4 [REG]	9.00		9.00	91304-11
10/29/2013 Tue	4 [REG]	2.50		2.50	91304-11

9030 [CARLSON, BARRY EDWIN] Total: 86.00 0.00 0.00 86.00

9061 [FINCH, JUSTIN]

Pay Policy	1 [DEFAULT PAY POLICY]	Employee Status	A	Code(G3)	1 [No Labor or Project Code]
Last Name	FINCH				

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09/10/2012 Mon	4 [REG]	2.50		2.50	91304-11
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11/14/2012 Wed	4 [REG]	2.00		2.00	91304-11

Detail Report.LC -

Report Date: 01/23/2014

Primary Sort By: Company(G1);Department(G2)

Report Time: 11:01:59 AM

08/01/2012 - 12/31/2013 [518 days]

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01/07/2013 Mon	4 [REG]	4.00			4.00	91304-11	
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01/09/2013 Wed	4 [REG]	6.00			6.00	91304-11	
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03/13/2013 Wed	4 [REG]	2.00			2.00	91304-11	
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03/20/2013 Wed	4 [REG]	1.00			1.00	91304-11	
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04/29/2013 Mon	4 [REG]	1.00			1.00	91304-11	
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05/30/2013 Thu	4 [REG]	2.00			2.00	91304-11	
06/04/2013 Tue	4 [REG]	1.50			1.50	91304-11	
06/05/2013 Wed	4 [REG]	1.00			1.00	91304-11	
06/20/2013 Thu	4 [REG]	1.00			1.00	91304-11	
08/01/2013 Thu	4 [REG]	1.50			1.50	91304-11	
08/05/2013 Mon	4 [REG]	3.00			3.00	91304-11	
08/20/2013 Tue	4 [REG]	1.50			1.50	91304-11	
08/21/2013 Wed	4 [REG]	1.00			1.00	91304-11	
08/27/2013 Tue	4 [REG]	1.00			1.00	91304-11	
08/28/2013 Wed	4 [REG]	4.00			4.00	91304-11	
09/03/2013 Tue	4 [REG]	2.00			2.00	91304-11	
09/10/2013 Tue	4 [REG]	1.00			1.00	91304-11	
09/11/2013 Wed	4 [REG]	1.50			1.50	91304-11	
09/12/2013 Thu	4 [REG]	2.00			2.00	91304-11	
09/19/2013 Thu	4 [REG]	1.50			1.50	91304-11	
09/24/2013 Tue	4 [REG]	1.50			1.50	91304-11	
10/09/2013 Wed	4 [REG]	3.00			3.00	91304-11	
10/17/2013 Thu	4 [REG]	3.00			3.00	91304-11	
9061 [FINCH, JUSTIN] Total:		144.50	0.00	0.00	144.50		

Report Date: 01/23/2014

Report Time: 11:01:59 AM

Detail Report.LC -

Primary Sort By: Company(G1);Department(G2)

08/01/2012 - 12/31/2013 [518 days]

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<i>Head Count:</i>		2					
100 [MESA] Total:		230.50	0.00	0.00	230.50		
<i>Head Count:</i>		2					
Grand Total:		230.50	0.00	0.00	230.50		
<i>Head Count:</i>		2					

END OF REPORT**Detail Report.LC -**

Activity Name	Market Sector	Primary Customer Class	Delivery Mechanism	Unit	Historical Average Number of Activities per Year	Projected Average Number of Activities per Year	Projected Number of Years Program Will Run	Savings, Per Unit (per)	Source of Unit Savings Estimate	Savings, Useful Life (yrs)	P4P Incentive Input (\$/Unit)	Average Units/ Rebate	Program Admin/Staff Cost (\$/Unit)	Program Marketing Cost (\$/Unit)	MWDSC Rebate Admin (\$/Unit)	Program Installation, Distribution, or Survey Cost (\$/Unit)	Customer Incentive or Product Cost (\$/Unit)
CI																	
Industrial Program (P4P)	E	CI	Commercial	Incentive	Site	0	0	2	4,887,765	MWDSC analysis for grant application	10	\$ 150.00		\$ 5,600.00		\$ 20,000.00	\$ 22,500.00
Rebate, HET (Tank-Type)	E	CI	Commercial	Rebate	Toilet	300	150	5	13,849	MWDSC Save a Buck = 0425 AFY	20	50		\$ 0.10		\$ 50.00	
Rebate, HET (Flushometer)	E	CI	Commercial	Rebate	Toilet	0	0	5	13,849	MWDSC Save a Buck = 0425 AFY	20	50		\$ 0.10		\$ 100.00	
Rebate, UL or Zero Water Urinal (Replace 1.5+ gpf)	E	CI	Commercial	Rebate	Urinal	75	50	5	39,982	MWDSC Save a Buck = 1227 AFY	20	5		\$ 3.80		\$ 200.00	
Rebate, Cooling Tower pH Controller	E	CI	Commercial	Rebate	Controller	1 since 2001	0	5	633,455	MWDSC Save a Buck = 1,8440 AFY	5	1		\$ 166.25		\$ 1,750.00	
Rebate, Cooling Tower Conductivity Controller	E	CI	Commercial	Rebate	Controller	0	0	5	209,848	MWDSC Save a Buck = 6440 AFY	5	1		\$ 59.38		\$ 625.00	
Rebate, Connectionless Food Steamer (per Compartment)	E	CI	Commercial	Rebate	Compartment	0	0	5	81,463	MWDSC Save a Buck = 2500 AFY	10	1		\$ 46.08		\$ 485.00	
Rebate, Air Cooled Ice Machines	E	CI	Commercial	Rebate	Ice Machine	0	0	5	50,181	MWDSC Save a Buck = 1540 AFY	10	1		\$ 95.00		\$ 1,000.00	
Rebate, Laminar Flow Restrictors	E	CI	Commercial	Rebate	Flow Restrictor	New Measure	0	5	3,750	MWDSC Web Site "up to 7500gals"	5	50		\$ 0.00		\$ 10.00	
Enhanced Rebate, HET (Tank-Type)	E	CI	Commercial	Rebate	Toilet	Unknown	25	5	13,849	MWDSC Save a Buck = 0425 AFY	20	5	0.36	\$ 0.95		\$ 100.00	
Enhanced Rebate, HET (Tank-Type, verified replace 3.5+ gpf)	E	CI	Commercial	Rebate	Toilet	Unknown	25	5	13,849	MWDSC Save a Buck = 0425 AFY	20	5	0.36	\$ 0.95		\$ 300.00	
Enhanced Rebate, HET (Flushometer)	E	CI	Commercial	Rebate	Toilet	0	0	0	13,849	MWDSC Save a Buck = 0425 AFY	20	5	0.36	\$ 1.90		\$ 150.00	
Enhanced Rebate, HET (Flushometer, verified replace 3.5+ gpf)	E	CI	Commercial	Rebate	Toilet	0	0	0	13,849	MWDSC Save a Buck = 0425 AFY	20	5	0.36	\$ 1.90		\$ 250.00	
Enhanced Rebate, UL or Zero Water Urinal (Retrofit)	E	CI	Commercial	Rebate	Urinal	Unknown	0	0	39,982	MWDSC Save a Buck = 1227 AFY	20	5	0.36	\$ 3.80		\$ 300.00	
Enhanced Rebate, Cooling Tower pH Controller	E	CI	Commercial	Rebate	Controller	0	0	0	633,455	MWDSC Save a Buck = 1,8440 AFY	5	1	1.78	\$ 166.25		\$ 3,550.00	
Enhanced Rebate, Cooling Tower Conductivity Controller	E	CI	Commercial	Rebate	Controller	0	0	0	209,848	MWDSC Save a Buck = 6440 AFY	5	1	1.78	\$ 59.38		\$ 625.00	
Enhanced Rebate, Connectionless Food Steamer (per Compartment)	E	CI	Commercial	Rebate	Compartment	0	0	0	81,463	MWDSC Save a Buck = 2500 AFY	10	1	1.78	\$ 46.08		\$ 585.00	
Enhanced Rebate, Air Cooled Ice Machines	E	CI	Commercial	Rebate	Ice Machine	0	0	0	50,181	MWDSC Save a Buck = 1540 AFY	10	1	1.78	\$ 95.00		\$ 1,250.00	
Urinal Valve Retrofit Program	P	CI	Commercial	Direct Install	Valve	New Idea	0	0	12,994	MWDSC Save a Buck = 1227 AFY (ass)	20			\$ 10.00		\$ 100.00	\$ 100.00
Landscape																	
HDA Watersmart Landscape	E	Landscape	Irrigation	Budget	Meters	400+ currently enrolled	75	5	133,225	A&N Study, assume average savings	5		\$ 90.00			\$ 49.40	\$ -
Large Landscape Customized Incentive (P4P)	E	Landscape	Irrigation	Incentive	Acre	0	0	5	1,907,625	Grant estimated savings per acre per	10	\$ 150.00		\$ 22.50		\$ 288.75	\$ 8,781.43
Public Spaces Program, CI	E	Landscape	Irrigation	Rebate	Sq Ft	South County Program	0	4	46	MWDSC Save a Buck = 00014 AFY, sy	10	1000	\$ 0.11			\$ 7.30	
Rebate, COC	E	Landscape	Irrigation	Rebate	COC	0	0	5	4,203	MWDSC Save a Buck = 0129 per STA	10	34	\$ 0.99	\$ 0.07		\$ 25.00	
Rebate, Commercial Rotating Nozzle	E	Landscape	Commercial	Rebate	Nozzle	228	250	5	1,303	MWDSC So Cal Water Smart = 0040	5	25	\$ 1.35	\$ 0.02		\$ 4.00	
Rebate, Commercial Large Rotary Nozzles (Set of 2)	E	Landscape	Irrigation	Rebate	Nozzle Set of 2	49	0	5	5,865	MWDSC Save a Buck = 0180 AFY, per	10	25	\$ 1.35	\$ 0.05		\$ 13.00	
Rebate, Residential Rotating Nozzle	E	Landscape	Single Family	Rebate	Nozzle	133	250	5	1,303	MWDSC So Cal Water Smart = 0040	5	25	\$ 1.35	\$ 0.02		\$ 4.00	
Rebate, Commercial In-Stream Flow Regulator	E	Landscape	Commercial	Rebate	New Measure	0	0	5	500	MWDSC Web Site "up to 1000gals"	5	25	\$ 1.35	\$ 0.00		\$ 1.00	
Rebate, Turf Removal	E	Landscape	Single Family	Rebate	Sq Ft	0	1000	2	46	MWDSC Save a Buck = 00014 AFY, sy	10	1000	\$ 0.11			\$ 0.30	
Rebate, Commercial Smart Timers	E	Landscape	Irrigation	Rebate	Stations	Unknown	5	5	4,203	MWDSC Save a Buck = 0129 per STA	10	24	\$ 1.35	\$ 0.10		\$ 25.00	
Rebate, Residential Smart Timers	E	Landscape	Single Family	Rebate	WBIC	10	30	5	13,505	MWD Under an Acre 37gpd So Cal W	10	1	\$ 33.75	\$ 7.60		\$ 80.00	
Enhanced Rebate, Commercial Smart Timers	E	Landscape	Irrigation	Rebate	Stations	0	0	5	4,203	MWDSC Save a Buck = 0129 per STA	10	24	\$ 1.42	\$ 0.10		\$ 50.00	
Enhanced Rebate, Residential Smart Timers	E	Landscape	Single Family	Rebate	WBIC	0	0	5	13,505	MWD Under an Acre 37gpd So Cal W	10	1	\$ 33.75	\$ 7.60		\$ 380.00	
Enhanced Rebate, Turf Removal	E	Landscape	Single Family	Rebate	Sq Ft	2145	3000	3	46	MWDSC Save a Buck = 00014 AFY, sy	10	1000	\$ 0.11			\$ 1.00	
Direct Install, Commercial Smart Timers	P	Landscape	Irrigation	Direct Install	Stations	Potential New Program	0	0	4,203	MWDSC Save a Buck = 0129 per STA	10	24	\$ 1.42	\$ 0.10		\$ 50.00	
Direct Install, Residential Smart Timers	P	Landscape	Single Family	Direct Install	WBIC	Potential New Program	0	0	13,505	MWD Under an Acre 37gpd So Cal W	10	1	\$ 33.75	\$ 7.60		\$ 380.00	
Soil Moisture Sensor Systems, Commercial	P	Landscape	Commercial	Rebate	Stations w Sensor	Potential New Program	0	0	4,624	Assume 10% more than . . . MWDSC	10	24	\$ 1.42	\$ 0.10		\$ 50.00	
Soil Moisture Sensor Systems, Residential	P	Landscape	Single Family	Rebate	Controller w Sensor	Potential New Program	0	0	14,856	Assume 10% more than . . . MWD Under an A	10	1	\$ 33.75	\$ 7.60		\$ 380.00	
Rain Shut-off Devices (Distribution), Commercial	P	Landscape	Commercial	Distribution	Add On to Controlle	Potential New Program	0	0	40,353	Assume 24 stations, savings 40% of f	5	24	\$ 0.94			\$ 360.00	
Rain Shut-off Devices (Distribution), Residential	P	Landscape	Single Family	Distribution	Add On to Controlle	Potential New Program	0	0	5,402	Assume 40% of . . . MWD Under an A	5	1	\$ 22.50			\$ 15.00	
FreeSprinklerNozzle.com Voucher Program	P	Landscape	Single Family	Voucher	Nozzle	Potential New Program	0	0	1,303	MWDSC So Cal Water Smart = 0040	5			\$ 0.15		\$ 3.00	
Rebate, Artificial Turf	P	Landscape	Commercial	Rebate	Sq Ft	Potential New Program	0	0	46	MWDSC Save a Buck = 00014 AFY, sy	10	1000	\$ 0.11			\$ 1.00	
Rainwater Capture (Rain Barrel) Co-Pay	P	Landscape	Single Family	Co-Pay	Rain Barrel	Potential New Program	0	0	300	Assume you get 5 usable fills @ 60 g	5		\$ 5.00			\$ -	
Soil Moisture Sensor Systems Add On, SF	P	Landscape	Single Family	Research	Sensor Add-On to D	Potential New Program	0	0	14,856	Assume 10% more than . . . MWD Un	10	1	\$ 33.75	\$ 7.60		\$ 310.00	
Mesa Water Nozzle Distribution, LA Land	P	Landscape	Single Family	Incentive	Nozzle & Body	Potential New Program	500	5	1,629	Assume 25% more savings than nazi	5		\$ 5.00			\$ 4.00	
Residential																	
SoCal WaterSmart HE Clothes Washer, Res	E	Residential	Single Family	Device Rebate	Washer	0	0	5	11,250	MWD So Cal Water Smart (WF 4)	15	1		\$ 8.08		\$ 85.00	
SoCal WaterSmart HET Rebates, Residential	E	Residential	Single Family	Device Rebate	Toilet	228	15	1	13,849	MWDSC Save a Buck = 0425 AFY	20	1		\$ 4.75		\$ 50.00	
Enhanced SoCal WaterSmart HE Clothes Washer, Res	E	Residential	Single Family	Device Rebate	Washer	172	170	5	11,250	MWD So Cal Water Smart (WF 4)	15	1		\$ 8.08		\$ 285.00	
HET Direct Install, 2-4-Plex Residential	E	Residential	Multi Family	Direct Install	Toilet	Potential New Program	200	3	13,849	MWDSC Save a Buck = 0425 AFY	20	3	\$ 45.00	\$ 22.50	\$ 4.75	\$ 100.00	\$ 100.00
Mesa Water Residential Survey	E	Residential	Single Family	Survey	Site	Potential New Program	70	5	22,515	Assume 10% savings from surveys	5		\$ 22.50	\$ 22.50		\$ 90.00	
Utility Operations																	
Water Loss Control	E	Utility Operations															
Rate Structures	E	Utility Operations															

48 Program Category Codes

Existing Program in the Tracking Tool	E	existing and has potential for continuation in the plan
Potential Program in the Tracking Tool	P	defined enough, and important enough, to include in the tracking tool for further analysis
Research Measure, Pilot Program, Screening Side Calculation	R	not in the full tracking tool

conservation staff cost per year, fully burdened

All Agency Costs (\$/Unit)	MWDSC Rebate Funding (\$/Unit)	MWDSC Admin. Funding (\$/Unit)	MWDSC Member Agency Allocation (\$/Unit)	MWDSC Grant Funding (DWR, USBR, etc.) (\$/Unit)	MESA WATER Local Agency Rebate (\$/Unit)	Other Source Funding (\$/Unit)	MWDSC Net Supplier (\$/Unit)	Annual Activity Level in WUE Plan: Year 1	Annual Activity Level in WUE Plan: Year 2	Annual Activity Level in WUE Plan: Year 3	Annual Activity Level in WUE Plan: Year 4	Annual Activity Level in WUE Plan: Year 5	Further Description	NP Savings	All Agencies Costs	Undiscounted \$/AF	MWDSC Undiscounted \$/AF	Mesa Water Undiscounted \$/AF
\$ 48,100.00	\$ 11,250.00		\$ -	\$ 36,850.00	\$ -	\$ -	\$ -	-	-	-	-	-		150.00	\$ 48,100	\$ 321	\$ -	\$ -
\$ 50.10	\$ 50.00	\$ 0.10	\$ -	\$ -	\$ -	\$ -	\$ -	150	150	150	150	150		0.85	\$ 50	\$ 59	\$ -	\$ -
\$ 100.19	\$ 100.00	\$ 0.19	\$ -	\$ -	\$ -	\$ -	\$ -	-	-	-	-	-		0.85	\$ 100	\$ 118	\$ -	\$ -
\$ 203.80	\$ 200.00	\$ 3.80	\$ -	\$ -	\$ -	\$ -	\$ -	50	50	50	50	50		2.45	\$ 204	\$ 83	\$ -	\$ -
\$ 1,916.25	\$ 1,750.00	\$ 166.25	\$ -	\$ -	\$ -	\$ -	\$ -	-	-	-	-	-		9.72	\$ 1,916	\$ 197	\$ -	\$ -
\$ 684.88	\$ 625.00	\$ 59.88	\$ -	\$ -	\$ -	\$ -	\$ -	-	-	-	-	-		3.22	\$ 684	\$ 213	\$ -	\$ -
\$ 551.08	\$ 485.00	\$ 66.08	\$ -	\$ -	\$ -	\$ -	\$ -	-	-	-	-	-		2.50	\$ 551	\$ 212	\$ -	\$ -
\$ 1,095.00	\$ 1,000.00	\$ 95.00	\$ -	\$ -	\$ -	\$ -	\$ -	-	-	-	-	-		1.54	\$ 1,095	\$ 711	\$ -	\$ -
\$ 10.02	\$ 10.00	\$ 0.02	\$ -	\$ -	\$ -	\$ -	\$ -	-	-	-	-	-		0.06	\$ 10	\$ 174	\$ -	\$ -
\$ 101.31	\$ 50.00	\$ 0.95	\$ -	\$ 50.00	\$ 0.36	\$ -	\$ -	25	25	25	25	25		0.85	\$ 101	\$ 119	\$ -	\$ 0.42
\$ 201.31	\$ 50.00	\$ 0.95	\$ -	\$ 150.00	\$ 0.36	\$ -	\$ -	25	25	25	25	25		0.85	\$ 201	\$ 237	\$ -	\$ 0.42
\$ 152.26	\$ 100.00	\$ 1.90	\$ -	\$ 50.00	\$ 0.36	\$ -	\$ -	-	-	-	-	-		0.85	\$ 152	\$ 179	\$ -	\$ 0.42
\$ 252.26	\$ 100.00	\$ 1.90	\$ -	\$ 150.00	\$ 0.36	\$ -	\$ -	-	-	-	-	-		0.85	\$ 252	\$ 297	\$ -	\$ 0.42
\$ 304.16	\$ 200.00	\$ 8.80	\$ -	\$ 100.00	\$ 0.36	\$ -	\$ -	-	-	-	-	-		2.45	\$ 304	\$ 124	\$ -	\$ 0.15
\$ 5,718.03	\$ 1,750.00	\$ 166.25	\$ -	\$ 1,800.00	\$ 1.78	\$ -	\$ -	-	-	-	-	-		9.72	\$ 3,718	\$ 383	\$ -	\$ 0.18
\$ 686.16	\$ 625.00	\$ 59.88	\$ -	\$ -	\$ 1.78	\$ -	\$ -	-	-	-	-	-		3.22	\$ 686	\$ 213	\$ -	\$ 0.55
\$ 632.88	\$ 485.00	\$ 46.08	\$ -	\$ 100.00	\$ 1.78	\$ -	\$ -	-	-	-	-	-		2.50	\$ 633	\$ 253	\$ -	\$ 0.71
\$ 1,346.78	\$ 1,000.00	\$ 95.00	\$ -	\$ 250.00	\$ 1.78	\$ -	\$ -	-	-	-	-	-		1.54	\$ 1,347	\$ 875	\$ -	\$ 1.16
\$ 210.00	\$ -	\$ -	\$ -	\$ -	\$ 210.00	\$ -	\$ -	-	-	-	-	-		0.80	\$ 210	\$ 263	\$ -	\$ 263.31
\$ 139.40	\$ 24.70		\$ -	\$ 90.00	\$ -	\$ 24.70	\$ -	75	75	75	75	75		2.04	\$ 139	\$ 68	\$ 12.08	\$ 44.03
\$ 9,092.68	\$ 4,390.71		\$ -	\$ 4,679.46	\$ 22.50	\$ -	\$ -	-	-	-	-	-		58.54	\$ 9,093	\$ 155	\$ -	\$ 0.38
\$ 2.41	\$ -	\$ 0.30	\$ -	\$ 2.00	\$ 0.11	\$ -	\$ -	-	-	-	-	-		0.00	\$ 2	\$ 1,723	\$ -	\$ 80.36
\$ 26.06	\$ 25.00	\$ 0.07	\$ -	\$ -	\$ 0.99	\$ -	\$ -	-	-	-	-	-		0.13	\$ 26	\$ 202	\$ -	\$ 7.69
\$ 5.37	\$ 4.00	\$ 0.02	\$ -	\$ -	\$ 1.35	\$ -	\$ -	250	250	250	250	250		0.02	\$ 5	\$ 268	\$ -	\$ 67.50
\$ 14.40	\$ 13.00	\$ 0.05	\$ -	\$ -	\$ 1.35	\$ -	\$ -	-	-	-	-	-		0.18	\$ 14	\$ 80	\$ -	\$ 7.50
\$ 5.37	\$ 4.00	\$ 0.02	\$ -	\$ -	\$ 1.35	\$ -	\$ -	250	250	250	250	250		0.02	\$ 5	\$ 268	\$ -	\$ 67.50
\$ 2.35	\$ 1.00	\$ 0.00	\$ -	\$ -	\$ 1.35	\$ -	\$ -	-	-	-	-	-		0.01	\$ 2	\$ 307	\$ -	\$ 175.96
\$ 0.41	\$ 0.30	\$ -	\$ -	\$ -	\$ 0.11	\$ -	\$ -	1,000	1,000	-	-	-		0.00	\$ 0	\$ 295	\$ -	\$ 80.36
\$ 58.85	\$ 35.00	\$ 0.10	\$ -	\$ -	\$ 33.75	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		0.13	\$ 59	\$ 456	\$ -	\$ 261.63
\$ 121.35	\$ 80.00	\$ 7.60	\$ -	\$ -	\$ 33.75	\$ -	\$ -	30	30	30	30	30		0.41	\$ 121	\$ 293	\$ -	\$ 81.43
\$ 51.51	\$ 25.00	\$ 0.10	\$ -	\$ 25.70	\$ 0.70	\$ -	\$ -	-	-	-	-	-		0.13	\$ 52	\$ 399	\$ -	\$ 5.45
\$ 421.35	\$ 80.00	\$ 7.60	\$ -	\$ 241.88	\$ 91.88	\$ -	\$ -	-	-	-	-	-		0.41	\$ 421	\$ 1,017	\$ -	\$ 221.68
\$ 1.11	\$ 1.00	\$ -	\$ -	\$ -	\$ 0.11	\$ -	\$ -	3,000	3,000	3,000	-	-		0.00	\$ 1	\$ 795	\$ -	\$ 80.36
\$ 51.51	\$ 25.00	\$ 0.10	\$ -	\$ 25.70	\$ 0.70	\$ -	\$ -	-	-	-	-	-		0.13	\$ 52	\$ 399	\$ -	\$ 5.45
\$ 421.35	\$ 80.00	\$ 7.60	\$ -	\$ 241.88	\$ 91.88	\$ -	\$ -	-	-	-	-	-		0.41	\$ 421	\$ 1,017	\$ -	\$ 221.68
\$ 51.51	\$ 25.00	\$ 0.10	\$ -	\$ 25.70	\$ 0.70	\$ -	\$ -	-	-	-	-	-		0.13	\$ 52	\$ 399	\$ -	\$ 5.45
\$ 421.35	\$ 80.00	\$ 7.60	\$ -	\$ 241.88	\$ 91.88	\$ -	\$ -	-	-	-	-	-		0.41	\$ 421	\$ 1,017	\$ -	\$ 221.68
\$ 360.94	\$ -	\$ -	\$ 360.00	\$ -	\$ 0.94	\$ -	\$ -	-	-	-	-	-	Establish and incentive program to encourage CII sites to install soil i	0.14	\$ 52	\$ 363	\$ -	\$ 4.96
\$ 37.50	\$ -	\$ -	\$ 15.00	\$ -	\$ 22.50	\$ -	\$ -	-	-	-	-	-	Establish and incentive program to encourage CII sites to install soil i	0.46	\$ 421	\$ 924	\$ -	\$ 201.53
\$ 3.15	\$ -	\$ -	\$ 3.00	\$ -	\$ 0.15	\$ -	\$ -	-	-	-	-	-	Establish an incentive for an Add-on Bypass Device for Irrigation Syst	0.62	\$ 361	\$ 583	\$ -	\$ 1.51
\$ 3.11	\$ -	\$ -	\$ -	\$ -	\$ 0.11	\$ -	\$ 3.00	-	-	-	-	-	Establish an incentive for an Add-on Bypass Device for Irrigation Syst	0.08	\$ 38	\$ 452	\$ -	\$ 271.44
\$ 5.00	\$ -	\$ -	\$ -	\$ -	\$ 5.00	\$ -	\$ -	-	-	-	-	-	Incentive program to encourage CII sites to replace turf with artificial	0.02	\$ 3	\$ 157	\$ -	\$ 7.50
\$ 351.35	\$ 80.00	\$ 7.60	\$ -	\$ 171.88	\$ 91.88	\$ -	\$ -	-	-	-	-	-	Incentive Program to encourage rainwater capture via rain barrels and	0.00	\$ 3	\$ 2,223	\$ 2,142.85	\$ 80.36
\$ 9.00	\$ 4.00	\$ -	\$ -	\$ -	\$ 5.00	\$ -	\$ -	500	500	500	500	500	Establish and incentive program to encourage CII sites to install soil i	0.00	\$ 5	\$ 1,086	\$ -	\$ 1,086.17
								-	-	-	-	-		0.46	\$ 351	\$ 771	\$ -	\$ 201.53
								-	-	-	-	-		0.03	\$ 9	\$ 360	\$ -	\$ 200.00
\$ 93.08	\$ 85.00	\$ 8.08	\$ -	\$ -	\$ -	\$ -	\$ -	-	-	-	-	-		0.52	\$ 93	\$ 180	\$ -	\$ -
\$ 54.75	\$ 50.00	\$ 4.75	\$ -	\$ -	\$ -	\$ -	\$ -	15	15	15	15	15		0.85	\$ 55	\$ 64	\$ -	\$ -
\$ 294.43	\$ 85.00	\$ 8.08	\$ -	\$ -	\$ 201.35	\$ -	\$ -	170	170	170	170	170						
\$ 272.25	\$ 50.00	\$ 4.75	\$ -	\$ -	\$ 217.50	\$ -	\$ -	200	200	200	-	-		0.85	\$ 272	\$ 320	\$ -	\$ 255.88
\$ 135.00	\$ -	\$ -	\$ 25.00	\$ -	\$ 110.00	\$ -	\$ -	70	70	70	70	70		0.35	\$ 135	\$ 391	\$ -	\$ 318.40
													Distribution system auditing, leak detection, and repair of retail agen		\$ -			
													Conservation pricing provides economic incentives (a price signal) to		\$ -			



Water savings for devices available through the Save Water - Save A Buck program

Water conservation devices available to commercial, institutional, industrial and Multi-Family customers. If you require additional information, call 1-877-728-2282.

Savings Calculated in Acre Feet.

1 Acre Foot (AF) = 325,851.43 gallons of water.

1 acre = 43,560 sq. ft.

	Annual Savings	Lifetime Savings	Device Lifetime in Years
ULFT (Ultra Low Flush Toilet) Flushometer	0.0379	0.758	20
ULFT (Ultra Low Flush Toilet) Tank	0.0379	0.758	20
HET (High Efficiency Toilet) Flushometer	0.0425	0.850	20
HET (High Efficiency Toilet) Tank	0.0425	0.850	20
HET Upgrade/New Construction	0.0078	0.156	20
HEU (High Efficiency Urinal)	0.0614	1.227	20
HEU Upgrade/New Construction	0.0154	0.307	20
ULWU (Ultra Low Water Urinal)	0.1227	2.454	20
ZWU (Zero Water Urinal)	0.1227	2.454	20
ZWU & ULWU Upgrade/New Construction	0.0307	0.614	20
HEW (High Efficiency Washer)	0.1075	1.075	10
Pressurized Waterbroom	0.1534	0.767	5
Cooling Tower Conductivity Controller	0.6440	3.220	5
pH Conductivity Controller	1.9440	9.720	5
PRSH (Pre-Rinse Spray head)	0.1530	0.765	5
Connectionless Food Steamers	0.2500	2.500	10
Air-Cooled Ice Machines	0.154	1.540	10
X-Ray Film Processor Recirculation System	3.2000	16.00	5
Steam Sterilizer Retrofits	1.3000	19.50	15
Dry Vacuum Pump (per 1/2 hp)	0.0916	0.6410	7
Irrigation Controllers (WBIC & Central IC) per acre	0.3250	3.25	10
Rotating Nozzles (per nozzle)	0.0040	0.020	5
Large Rotary Nozzles (per nozzle)	0.0180	0.180	10
Synthetic Turf (per square foot)	0.00014	0.0014	10
Multi-Family ULFT	0.0347	0.694	20
Multi-Family HET	0.0425	0.850	20
Multi-Family HET Upgrade/New Construction	0.0078	0.156	20
Multi-Family HEW - water factor 5.0	0.0311	0.436	14
Multi-Family HEW - water factor 4.0	0.0345	0.483	14

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF RECLAMATION

Southern California Area Office

Agreement Number

R12AP35342

Agreement Date

AUGUST 20, 2012

RELEASE OF CLAIMS

WHEREAS, by the terms of the above-identified agreement for

WATER USE EFFICIENCY BENCHMARKING AND MASTER PLAN

entered into by the United States of America, hereinafter also referred to as the United States, and the grant recipient whose name appears on the agreement as

MESA WATER DISTRICT

it is provided that after completion of all work, the grant recipient will furnish the United States with a release of all claims;

NOW, THEREFORE, in consideration of the above premises and the payment by the United States to the recipient the total amount of

\$50,000.00

the grant recipient hereby remises, releases, and forever discharges the United States, its officers, agents, and employees, of and from all manner of debts, dues, liabilities, obligations, accounts, claims, and demands whatsoever, in law and equity, under or by virtue of the said agreement except:

N/A.

IN WITNESS WHEREOF, the agreement recipient has executed this release this 20 day of JANUARY 2014.

By



(Signature)

PAUL E. SHOENBERGER, P.E.

(Name -- Type or Print)

GENERAL MANAGER

(Title)

BARRY CARLSON

(Agreement Recipient)

FEDERAL FINANCIAL REPORT

(Follow form instructions)

1. Federal Agency and Organizational Element to Which Report is Submitted U.S. DEPARTMENT OF THE INTERIOR BUREAU OF RECLAMATION	2. Federal Grant or Other Identifying Number Assigned by Federal Agency (To report multiple grants, use FFR Attachment) R12AP35342	Page of 1 1 pages
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3. Recipient Organization (Name and complete address including Zip code) MESA WATER DISTRICT 1965 PLACENTIA AVENUE, COSTA MESA, CA 92627
--

4a. DUNS Number 60750890	4b. EIN 95-6006309	5. Recipient Account Number or Identifying Number (To report multiple grants, use FFR Attachment) 41302-11	6. Report Type <input type="checkbox"/> Quarterly <input type="checkbox"/> Semi-Annual <input type="checkbox"/> Annual <input checked="" type="checkbox"/> Final	7. Basis of Accounting <input type="checkbox"/> Cash <input checked="" type="checkbox"/> Accrual
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8. Project/Grant Period (Month, Day, Year) From: 8/20/2012 To: 12/31/2013	9. Reporting Period End Date (Month, Day, Year) 12/31/2013
--	---

10. Transactions	Cumulative
------------------	------------

(Use lines a-c for single or combined multiple grant reporting)

Federal Cash (To report multiple grants separately, also use FFR Attachment):	
a. Cash Receipts	\$0.00
b. Cash Disbursements	\$0.00
c. Cash on Hand (line a minus b)	\$0.00

(Use lines d-o for single grant reporting)

Federal Expenditures and Unobligated Balance:	
d. Total Federal funds authorized	\$50,000.00
e. Federal share of expenditures	\$50,000.00
f. Federal share of unliquidated obligations	\$0.00
g. Total Federal share (sum of lines e and f)	\$50,000.00
h. Unobligated balance of Federal funds (line d minus g)	\$0.00

Recipient Share:	
i. Total recipient share required	\$59,989.62
j. Recipient share of expenditures	\$73,251.06
k. Remaining recipient share to be provided (line i minus j)	\$0.00

Program Income:	
l. Total Federal share of program income earned	\$0.00
m. Program income expended in accordance with the deduction alternative	\$0.00
n. Program income expended in accordance with the addition alternative	\$0.00
o. Unexpended program income (line l minus line m or line n)	\$0.00

11.	a. Type	b. Rate	c. Period From	Period To	d. Base	e. Amount Charged	f. Federal Share
Indirect Expense	N/A	N/A	N/A	N/A	N/A	N/A	N/A
g. Totals:					\$0.00	\$0.00	\$0.00

12. Remarks: Attach any explanations deemed necessary or information required by Federal sponsoring agency in compliance with governing legislation:

SEE ATTACHED "FINANCIAL REPORT: FINAL" FOR TRANSACTIONAL CALCULATION.

13. Certification: By signing this report, I certify to the best of my knowledge and belief that the report is true, complete, and accurate, and the expenditures, disbursements and cash receipts are for the purposes and intent set forth in the award documents. I am aware that any false, fictitious, or fraudulent information may subject me to criminal, civil, or administrative penalties. (U.S. Code, Title 18, Section 1001)

a. Typed or Printed Name and Title of Authorized Certifying Official BARRY CARLSON, CUSTOMER SERVICES MANAGER	c. Telephone (Area code, number, and extension) (949) 631-1200 d. Email Address BarryC@mesawater.org
--	---

b. Signature of Authorized Certifying Official 	e. Date Report Submitted (Month, Day, Year) 1/20/2014
---	--

14. Agency use only:

Standard Form 425 - Revised 10/11/2011
 OMB Approval Number: 0348-0061
 Expiration Date: 2/28/2015

Paperwork Burden Statement
 According to the Paperwork Reduction Act, as amended, no persons are required to respond to a collection of information unless it displays a valid OMB Control Number. The valid OMB control number for this information collection is 0348-0061. Public reporting burden for this collection of information is estimated to average 1.5 hours per response, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to the Office of Management and Budget, Paperwork Reduction Project (0348-0061), Washington, DC 20503.

REQUEST FOR ADVANCE OR REIMBURSEMENT

(See instructions on back)

OMB APPROVAL NO.

0348-0004

PAGE

OF

1

1

PAGES

1

TYPE OF
PAYMENT
REQUESTED

a. "X" one or both boxes

☐ ADVANCE

☒ REIMBURSE-
MENT

b. "X" the applicable box

☒ FINAL

☐ PARTIAL

2. BASIS OF REQUEST

☐ CASH

☒ ACCRUAL

3. FEDERAL SPONSORING AGENCY AND ORGANIZATIONAL ELEMENT TO WHICH THIS REPORT IS SUBMITTED

U.S. DEPT INTERIOR, BUREAU OF RECLAMATION

4. FEDERAL GRANT OR OTHER IDENTIFYING NUMBER ASSIGNED BY FEDERAL AGENCY

R12AP35342

5. PARTIAL PAYMENT REQUEST NUMBER FOR THIS REQUEST

6. EMPLOYER IDENTIFICATION NUMBER

95-6006309

7. RECIPIENT'S ACCOUNT NUMBER OR IDENTIFYING NUMBER

41302-11

8. PERIOD COVERED BY THIS REQUEST

FROM (month, day, year)

8/20/2012

TO (month, day, year)

12/31/2013

9. RECIPIENT ORGANIZATION

Name: MESA WATER DISTRICT

Number

and Street: 1965 PLACENTIA AVENUE

City, State

and ZIP Code: COSTA MESA, CA 92627

Name:

Number

and Street:

City, State

and ZIP Code:

11. COMPUTATION OF AMOUNT OF REIMBURSEMENTS/ADVANCES REQUESTED

PROGRAMS/FUNCTIONS/ACTIVITIES ▶	(a)	(b)	(c)	TOTAL
	TOTAL			
a. Total program outlays to date (As of date)	\$ 123,251.06	\$	\$	\$ 123,251.06
b. Less: Cumulative program income	0.00			0.00
c. Net program outlays (Line a minus line b)	123,251.06	0.00	0.00	123,251.06
d. Estimated net cash outlays for advance period	0.00			0.00
e. Total (Sum of lines c & d)	123,251.06	0.00	0.00	123,251.06
f. Non-Federal share of amount on line e	73,251.06			73,251.06
g. Federal share of amount on line e	50,000.00			50,000.00
h. Federal payments previously requested	0.00			0.00
i. Federal share now requested (Line g minus line h)	50,000.00	0.00	0.00	50,000.00
j. Advances required by month, when requested by Federal grantor agency for use in making prescheduled advances				
1st month				0.00
2nd month				0.00
3rd month				0.00

12. ALTERNATE COMPUTATION FOR ADVANCES ONLY

a. Estimated Federal cash outlays that will be made during period covered by the advance	\$ 0.00
b. Less: Estimated balance of Federal cash on hand as of beginning of advance period	0.00
c. Amount requested (Line a minus line b)	\$ 0.00

AUTHORIZED FOR LOCAL REPRODUCTION

(Continued on Reverse)

STANDARD FORM 270 (Rev. 7-97)

Prescribed by OMB Circulars A-102 and A-110

CERTIFICATION

I certify that to the best of my knowledge and belief the data on the reverse are correct and that all outlays were made in accordance with the grant conditions or other agreement and that payment is due and has not been previously requested.

SIGNATURE OR AUTHORIZED CERTIFYING OFFICIAL

DATE REQUEST
SUBMITTED

January 27, 2014

TYPED OR PRINTED NAME AND TITLE

BARRY CARLSON, CUSTOMER SERVICES MANAGER

TELEPHONE (AREA
CODE, NUMBER,
EXTENSION)

(949)631-1200 X166

This space for agency use

Public reporting burden for this collection of information is estimated to average 60 minutes per response, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to the Office of Management and Budget, Paperwork Reduction Project (0348-0004), Washington, DC 20503.

PLEASE DO NOT RETURN YOUR COMPLETED FORM TO THE OFFICE OF MANAGEMENT AND BUDGET. SEND IT TO THE ADDRESS PROVIDED BY THE SPONSORING AGENCY.

INSTRUCTIONS

Please type or print legibly. Items 1, 3, 5, 9, 10, 11e, 11f, 11g, 11i, 12 and 13 are self-explanatory; specific instructions for other items are as follows:

Item	Entry
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- 2 Indicate whether request is prepared on cash or accrued expenditure basis. All requests for advances shall be prepared on a cash basis.
- 4 Enter the Federal grant number, or other identifying number assigned by the Federal sponsoring agency. If the advance or reimbursement is for more than one grant or other agreement, insert N/A; then, show the aggregate amounts. On a separate sheet, list each grant or agreement number and the Federal share of outlays made against the grant or agreement.
- 6 Enter the employer identification number assigned by the U.S. Internal Revenue Service, or the FICE (institution) code if requested by the Federal agency.
- 7 This space is reserved for an account number or other identifying number that may be assigned by the recipient.
- 8 Enter the month, day, and year for the beginning and ending of the period covered in this request. If the request is for an advance or for both an advance and reimbursement, show the period that the advance will cover. If the request is for reimbursement, show the period for which the reimbursement is requested.

Note: The Federal sponsoring agencies have the option of requiring recipients to complete items 11 or 12, but not both. Item 12 should be used when only a minimum amount of information is needed to make an advance and outlay information contained in item 11 can be obtained in a timely manner from other reports.

- 11 The purpose of the vertical columns (a), (b), and (c) is to provide space for separate cost breakdowns when a project has been planned and budgeted by program, function, or

Item	Entry
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- activity. If additional columns are needed, use as many additional forms as needed and indicate page number in space provided in upper right; however, the summary totals of all programs, functions, or activities should be shown in the "total" column on the first page.
- 11a Enter in "as of date," the month, day, and year of the ending of the accounting period to which this amount applies. Enter program outlays to date (net of refunds, rebates, and discounts), in the appropriate columns. For requests prepared on a cash basis, outlays are the sum of actual cash disbursements for goods and services, the amount of indirect expenses charged, the value of in-kind contributions applied, and the amount of cash advances and payments made to subcontractors and subrecipients. For requests prepared on an accrued expenditure basis, outlays are the sum of the actual cash disbursements, the amount of indirect expenses incurred, and the net increase (or decrease) in the amounts owed by the recipient for goods and other property received and for services performed by employees, contracts, subgrantees and other payees.
- 11b Enter the cumulative cash income received to date, if requests are prepared on a cash basis. For requests prepared on an accrued expenditure basis, enter the cumulative income earned to date. Under either basis, enter only the amount applicable to program income that was required to be used for the project or program by the terms of the grant or other agreement.
- 11d Only when making requests for advance payments, enter the total estimated amount of cash outlays that will be made during the period covered by the advance.
- 13 Complete the certification before submitting this request.

WATER CONSERVATION FIELD SERVICES PROGRAM PROJECT BENEFITS

Please check the appropriate water management benefits for agricultural or urban measures that you anticipate addressing in your proposal. Where available, please provide an estimate of the benefit to units (i.e. Acre Feet, Dollars, Percentages)

It is essential to establish benefits of the Program. Please help us with your best estimate.

Reduces Leaks and Seepage	_____ Acre Feet/Year
Reduces System Spills	_____ Acre Feet/Year
Makes More Water Available	<u>273</u> Acre Feet/Year (<u>2,472</u> LIFETIME)
Reduces Operation Costs	_____ \$ /Year
Reduces Energy Costs	_____ \$ /Year
Reduces Waste Treatment Costs	_____ \$ /Year
Improves Crop Yield	_____ Percent/Year
Reduces On-Farm Costs	_____ \$ /Year
Reduces Per Capita Use	_____ Gallons/Capita/Day
Provides Technical Training	<u>3</u> # of People (STAFF)
Provides Water Conservation Education	<u>67</u> # of People (STAFF & BOARD)
Improves Water Supply Reliability	_____ Frequency (Years)*
* Estimate of how often the improvement will occur (i.e. 1 = each year)	
Delays Construction of New Supplies	_____ Years
Reduces Drainage/Erosion	_____ Tons
Improves Water Quality	_____ % reduction of _____
Enhances Aquatic/Riparian Habitat	_____ Years