

**WaterSmart Grants:  
Small-Scale Water Efficiency  
Grant Program for FY 2017  
FOA #: BOR-DO-17-F011**

**Residential Spray-to-Drip Retrofit Kit Program**



**Eastern Municipal Water District**  
2270 Trumble Road  
P.O. Box 8300  
Perris, California 92572-8300

Project Manager: Dora Llaneras, Conservation Analyst  
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**April 27, 2017**

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## **Executive Summary**

- I. April 27, 2017
- II. Eastern Municipal Water District  
Perris, Riverside County, California
- III. Project Summary

Eastern Municipal Water District (EMWD) was organized as a Municipal Water District in 1950 for the primary purpose of importing Colorado River water to its service area in order to augment local water supplies. EMWD has completed a Water Use Efficiency Master Plan (WUEMP) that recommends a focus on improving outdoor irrigation efficiency and implementing innovative programs. The Spray-to-Drip Retrofit Kit Program (Retrofit Program) is an innovative program which will be offered to residential customers to improve outdoor water efficiency and reduce water use by providing 700 Spray-to-Drip Retrofit vouchers to our residential customers. WaterSmart Grant funds will allow customers to receive a kit at an 80% reduction in cost. Participating customers will receive a complete Spray-to-Drip Retrofit Kit (kit) including pressure regulators, drip tubing, connectors and emitters with enough material to convert a minimum of 250 square feet and a maximum of 400 square feet of planter beds for only \$25 (a \$125 value). Customers will also receive an installation DVD and maintenance tips. Assuming outdoor water savings will be consistent for outdoor residential use within the service area, annual savings of 0.05 acre-feet per household are projected, for a program savings of 35 acre-feet per year (AFY) for 700 kits, yielding an estimated lifetime savings of 350 acre-feet (AF).

- IV. Proposed Start and Completion Dates

EMWD proposes a start date of June 2017 and completion date of June 2019.

- V. Proposed Project Location

The proposed project is not located on a Federal facility.

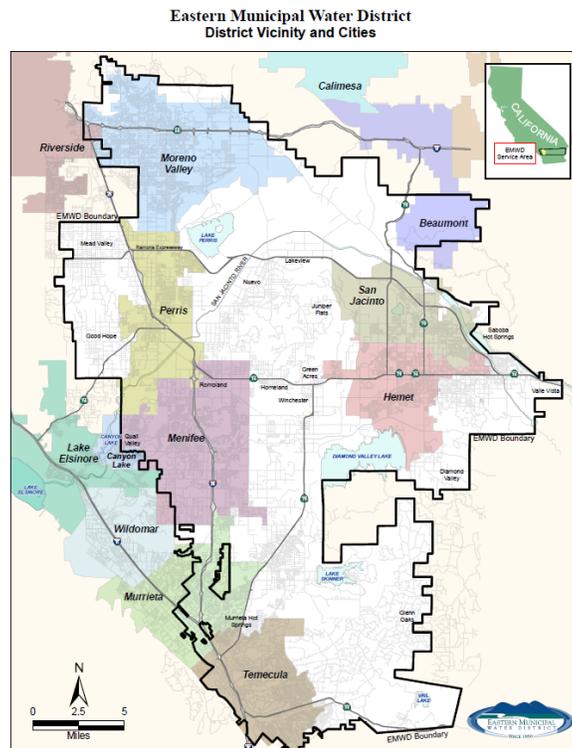
## **Background Data**

EMWD covers 555 square miles in a semi-arid region of southwest Riverside County. Residing within our service area are 3 lakes; Lake Perris Reservoir, Diamond Valley Lake and Lake Skinner. Lake Perris Reservoir is an artificial lake completed in 1973. It is the southern-most station of the California State Water Project located in the northern section of EMWD's boundaries between Moreno Valley and Perris. Diamond Valley Lake (DVL) is a man-made reservoir completed in 2000. DVL is an important component in Metropolitan Water District of Southern California

(MWD) system that provides reliable supply of water to the 19 million people in Metropolitan's six-county service area. DVL is located in the central area of our service area near Hemet. Lake Skinner was completed in 1973 and is also operated by MWD: Supplied by the Colorado River through the Colorado River Aqueduct and the State Water Project, the lake feeds the Robert A. Skinner filtration plant and, in turn supplies water to residents of Southern California. This region is expected to experience a 58% population increase by 2035, significantly increasing water demands. In 2016, EMWD used 70,362 AF of imported water delivered from MWD. In 2035, EMWD expects to purchase 185,800 AF from MWD. EMWD currently has 147,300 service connections. EMWD has 8 wholesale customers and is a retail water, wastewater and recycled water agency.

For many years, EMWD has proactively developed local resources to help meet the needs of customers including the development of a robust recycled water program and the desalination of local brackish groundwater. EMWD has also implemented an active conservation program, including a budget-based tiered rate that has reduced demand by more than 15%. Even with these efforts, 54% of the potable water supply used to meet customer demand is imported through MWD. MWD receives water from two sources: the California Bay-Delta through the State Water Project (SWP) and the Colorado River Aqueduct (CRA).

In December of 2015, EMWD completed a WUEMP developed in partnership with the United States Bureau of Reclamation (Reclamation) with grant funding from the Field Services Program. The WUEMP identified the need for EMWD to focus conservation efforts on outdoor water savings. It also recommended the implementation of new and innovative programs. The Retrofit Program will reduce outdoor water use and offers an innovative approach to increasing irrigation efficiency.



## **Past Working Relationships with Reclamation**

EMWD has worked with the Reclamation on several different projects which include the following programs:

- California Friendly Median/Large Landscape Irrigation Rebate Program - a 3 year project from July 2006 to June 2009, funded in part by the Reclamation Field Services Water Conservation Program. This program funded more than 27,000 rotating nozzles for commercial customers.
- California Friendly Home Projects - multiple projects which started in 2005 and were completed in 2008, funded in part by the Reclamation Field Services Water Conservation Program and administered through MWD. This program provided water efficient landscape incentives for 555 new homes in EMWD's service area.
- The Perris Groundwater Basin Zero Liquid Discharge System - an ongoing project started in 2005, funded by Reclamation under the Desalination and Water Purification Research and Development Program. This project applies new technology to reduce volume of brine discharge.
- Public School Retrofit Program - a 3 year project from 2008 to 2011, funded in part by the Reclamation CALFED Water Use Efficiency Grant. This program enabled 48 public schools within EMWD's service area to retrofit inefficient devices with water efficient devices, both indoor and outdoor.
- High Efficiency Clothes Washer (HECW) Direct Install Program – funded in part by the Reclamation WaterSmart program and in partnership with Southern California Gas Co. This program started in 2010 and was completed in 2013. The program provided the installation of 1,700 HEWs, as a component of the SoCal Gas Low Income Energy Efficiency program, to low-income single family homes that are customers of both EMWD and SoCal Gas.
- Perris Water Filtration Plant Reject Recovery Facility Project – the project started in 2010 and was completed in 2014.
- Water Efficient Guidelines for New Development - funded in part with Reclamation under the Field Services program. This program started in 2011 and was completed in 2013. This program developed a guidebook for new construction that will encourage water use efficiency beyond what is currently required by legislation, code and ordinance.
- Water Use Efficiency Master Plan (WUEMP) – funded in part under Reclamation's Field Services grant program, started in 2014 and is an on-going program that will identify and update the targets for saving water through active conservation and provide a portfolio of projects and actions that can meet or exceed the Water Conservation Act of 2009, Senate Bill 7x-7 (SB7x-7), which set a requirement for water agencies to reduce their per capita water use by the year 2020.
- Outdoor School Water Management Program – funded in part with Reclamation under the Bay-Delta Restoration Program started in 2015 and scheduled completion date December 2017. This program provides schools within EMWD's service area funds for non-functional turf removal or the installation of an educational demonstration garden.

## Project Description

EMWD completed a WUEMP in partnership with Reclamation in 2015, and the recommendations included promoting innovative ways of increasing water use efficiency. The Retrofit Program is consistent with the recommendations in that plan and fits within the *Landscape Irrigation Measures* category for this grant program. The Retrofit Program will help meet the challenges of increasing water demand by assisting customers to retrofit existing non-efficient spray irrigation systems with high-efficiency drip systems. This method of watering can be especially useful in preserving plants when traditional over-head irrigation methods are strictly limited during periods of drought. The proposed start date for the Retrofit Program is June 2017, with a completion date of June 2019.

EMWD staff will distribute 700 *Spray-to-Drip Retrofit Kit vouchers* and offer them to single-family residential customers for a reduced cost of \$25. Participants will have the opportunity to purchase one retrofit kit per household. The vouchers for the kits will be distributed by staff at the main EMWD office, customer-based events, workshops, and during residential home audits. The kit includes all the necessary components such as pressure regulators, drip tubing, connectors, and emitters to properly retrofit a 250-400 square foot planting area. Customers will also receive an installation DVD and maintenance tips.

Drip irrigation is the most effective approach to watering plants because it avoids water waste and run off by delivering water directly to the root zone of a plant, where it seeps slowly into the soil allowing soil particles to absorb and retain water for plants. Studies have shown that a well-designed drip system can result in up to a 60% water savings compared to spray irrigation.

Assuming outdoor water savings will be consistent for outdoor residential use within the service area, annual savings of 0.05 acre-feet per household are projected, for a program savings of 35 AFY for 700 kits. The estimated useful lifetime of the kits is 10 years, yielding an estimated lifetime savings of 350 AF. Actual water savings will be determined by analyzing metered water use data.

The measurement of actual water savings will be verified through water meter reads at customer's homes. Every EMWD's water connection is metered, and the water use of every customer participating in the Retrofit Program will be measured for one year after the kits are installed and compared to use in prior years. Indoor and outdoor water use will be compared to historic use to determine water savings.

## Evaluation Criteria

- I. Criterion A: Planning Efforts Supporting the Project
  - i. *Does the proposed project implement a goal or address a need or problem identified in the existing planning effort?*

In December of 2015, EMWD completed a WUEMP. The WUEMP was developed in partnership with the Reclamation with grant funding from the Field Services Program. The WUEMP identified the need for EMWD to focus conservation efforts on outdoor water savings. It also recommended the implementation of new and innovative programs. The Retrofit Program is an innovative outdoor program that will implement effective application of water directly to the root zone of a plant, where it seeps slowly into the soil one drop at a time. Almost no water is lost through surface runoff or evaporation, and soil particles have plenty of opportunity to absorb and hold water for plants. The goal of the Retrofit Program is to demonstrate water savings, improve outdoor customer water use efficiency, and demonstrate an alternate method to irrigate.

- ii. *Explain how the proposed project has been determined as a priority in the existing planning effort as opposed to other potential projects/measures.*

This program will focus on our residential customers who are our largest customer group. This program is an alternative to the high costs associated with turf replacement rebate programs. The Retrofit Program will reduce runoff by implementing effective application. In addition to providing a combination of resources and guidance to participating customers.

## II. Criterion B: Project Benefits

- i. *What are the benefits to the applicant's water supply delivery system?*

The benefit would be a lifetime reduction in water demand by 350 AF. The proposed program savings will directly reduce water supply and energy demands on imported and local supplies.

- ii. *Extent to which the proposed project improves overall water supply reliability.*

Water savings is based on direct watering to the root zone, no over spray, run off or waste. Efficient watering practices with drip irrigation provide long-term drought resiliency and thus supply reliability to the landscape due to increased root zones, healthier plant material, and permanent reductions in water use.

- iii. *The expected scope of positive impact from the proposed project.*

The expected lifetime of the kits are 10 years for a lifetime savings of 350 AF. This reduction in demand and resulting increase in landscape health and resiliency are positive impacts to the economy and environment.

- iv. *Extent to which the proposed project will increase collaboration and information sharing among water managers in the region.*  
Results will be shared with EMWD’s conservation partner agencies through presentations and other communication. EMWD is also an active member of the MWD program advisory committee and will share any findings with MWD to determine if a regional incentive is appropriate.
  
- v. *Any anticipated positive impacts/benefits to local sectors and economies.*  
As a direct result of the improved irrigation efficiencies provided by the Retrofit Program, local residents and water agencies will realize lower costs for water, improved reliability of local supplies, and landscapes that are better able to survive future drought rationing events, thus avoiding costly removal and replacement of beneficial plant material.

III. Evaluation Criterion C: Project Implementation

**Proposed Project Schedule**

Description of Major Tasks	Planned Start Date	Planned Completion Date
Funding Award / Execute Reclamation Agreement	June 2017	July 2017
Phase One • Customer Outreach	July 2017	April 2019
Phase Two • Distribution of vouchers	August 2017	May 2019
Phase Three • Post Inspection • Analysis	September 2017	June 2019
Reporting / Program Completion • Prepare Semi-annual Progress Reports • Prepare Semi-annual Payment Requests • Prepare Final Project Report	March 2018	June 2019

- i. The Retrofit Program will be completed in three phases: outreach, distribution, post inspection, and data analysis.
  - *Phase One – Customer Outreach (July 2017 – April 2019)*  
EMWD’s conservation staff will facilitate the outreach portion of the program by mail, phones calls, and meeting in person during water audits. During scheduled workshops throughout the year, customers will also receive information about the Spray-to-Drip Retrofit kit.
  - *Phase Two – Distribution of vouchers (August 2017 – May 2019)*

Participants will be required to submit an application and photos of the areas to be retrofitted. Upon inspection and approval of account status, applicants will be distributed one voucher per account and information about how to use the kits. Customers will be required to provide account information and sign a waiver of liability.

- *Phase Three – Post Inspection and Analysis (September 2017 – June 2019)*  
Participants will be required to install their kits within 45 days of receiving their equipment, EMWD’s Conservation Specialist will conduct post inspections on up to 50 percent of the participating sites to determine if kits are being installed and used properly. EMWD will take the lead in designing a database that will allow for tracking historic and future water use. This will assist in the accuracy of a complete water savings analysis upon program completion. Additionally, the database will account for devices installed and estimate water savings per kit. The Conservation Specialist will take the lead in updating the database and processing invoices.

- ii. *Describe any permits that will be required, along with the process for obtaining such permits.*

It is not anticipated that any permits will be required.

- iii. *Identify and describe any engineering or design work performed specifically in support of the proposed project.*

It is not anticipated that engineering plans will be required for this project.

- iv. *Describe any new policies or administrative actions required to implement the project.*

EMWD’s Conservation Specialist will conduct post inspections on up to 10 percent of sites to determine if kits are being installed and used properly. Staff will also perform before and after analysis of water use for all participating customers to determine the quantity of water saved. A final report will be completed and submitted to Reclamation. Results will be shared with EMWD’s conservation colleagues through presentations and other communication. EMWD is also an active member of the MWD program advisory committee and will share any findings with MWD to determine if a regional incentive is appropriate.

#### IV. Evaluation Criterion D: Nexus to Reclamation

- i. *How is the proposed project connected to a Reclamation project or activity?*

In 2016 EMWD used 70,362 AF of imported water delivered from MWD. In 2035, EMWD expects to purchase 185,800 AF of imported water supplies from MWD. MWD receives water from two sources: the California Bay-Delta through the SWP and the CRA. Reducing EMWD’s demand will reduce the need to import water to the region.

- ii. *Will the project help Reclamation meet trust responsibilities to any tribe(s)?*

No, the project will not help meet trust responsibilities.

- iii. *Does the applicant receive Reclamation project water?*  
Yes, approximately 54% of the potable water supply used to meet customer demand is imported through MWD. MWD receives water from two sources: the California Bay-Delta through the SWP and the CRA.
- iv. *Is the project on Reclamation project lands or involving Reclamation facilities?*  
The project is for EMWD residential customers who are interested in reducing their outdoor water usage.
- v. *Is the project in the same basin as a Reclamation project or activity?*  
No, the proposed project is not in the same basin as a Reclamation project.
- vi. *Will the proposed work contribute water to a basin where a Reclamation project is located?*  
The proposed project will not contribute water to a basin where a Reclamation project is located.

### **Environmental and Cultural Resources Compliance**

- i. *Will the proposed project impact the surrounding environment?*  
The proposed project will not include earth disturbing work.
- ii. *Are you aware of any species listed or proposed to be listed as a Federal threatened or endangered species, or designated critical habitat in the project area?*  
No
- iii. *Are there wetlands or other surface waters inside the project boundaries that potentially fall under CWA jurisdiction as "Waters of the United States?"*  
No
- iv. *When was the water delivery system constructed?*  
EMWD made its first water deliveries in 1951.
- v. *Will the proposed project result in any modification of or effects to, individual features of an irrigation system (e.g., head gates, canals, or flumes)?*  
No
- vi. *Are any buildings, structures, or features in the irrigation district listed or eligible for listing on the National Register of Historic Places?*  
No
- vii. *Are there any known archeological sites in the proposed project area?*  
No

- viii. *Will the proposed project have a disproportionately high and adverse effect on low income or minority populations?*  
No
- ix. *Will the proposed project limit access to and ceremonial use of Indian sacred sites or result in other impacts on tribal lands?*  
No
- x. *Will the proposed project contribute to the introduction, continued existence, or spread of noxious weeds or non-native invasive species known to occur in the area?*  
No

### **Required Permits or Approvals**

Neither permits nor approvals are required for this project.

### **Official Resolution**

EMWD's Board of Directors have reviewed and supports the submittal of this application. Attached as **Appendix A**.

## **Letters of Commitment and Funding Plan**

Upon inspection and approval of account status, interested EMWD customers will be required to fill out a detailed application and provide account information. Customers will be responsible for a \$25 equipment fee that will be applied to their water billing account. In addition the customer will sign a waiver of liability.

### **I. Letters of Commitment**

- i. *Identify funding partners and required letters of commitment.*  
EMWD will not partner with other agencies for funding.

### **II. Funding Plan**

- i. *Contributions to the cost share requirement, such as monetary and/or in-kind contributions and source funds contributed by the applicant.*  
EMWD is proposing a 54/46 cost share for this program. EMWD will provide in-kind services to support this program as part of the overall conservation effort. EMWD will provide both monetary and in-kind services for the program. Monetary support will fund 6% of the program. In-kind services account for 48% of the total project cost, bringing EMWD's contribution to 54% of the total project cost. Funding will be provided through EMWD's Special Projects Budget for the Water Supply Planning Department. The necessary costs associated with this program will be predominately allocated to direct costs. Direct costs not related to in-kind services include onsite verifications,

which include both monetary and in-kind services. Direct costs related primarily to in-kind services include customer outreach, distribution of vouchers, post inspection and analysis, project documentation and reporting.

- ii. *Project Expenses Incurred.*  
EMWD has not incurred any expenses related to the Program. Program administration, project documentation, and report preparation will follow once the program is implemented.
- iii. *Funding requested or received from other Federal partners.*  
Funds have not been requested from other Federal partners for this project.
- iv. *Pending funding requests that have not been yet approved.*  
EMWD has not requested additional funding for this project through other sources.

**Table 1—Summary of Non-Federal and Federal Funding Sources**

Funding sources	Funding amount
Non-Federal entities	
EMWD	\$17,500
Customer	
*In-kind	\$65,453.37
<i>Non-Federal subtotal:</i>	\$82,953.37
Other Federal entities	N/A
<i>Other Federal subtotal:</i>	N/A
<i>Requested Reclamation funding:</i>	
Spray-to-Drip Kit	\$70,000
<b><i>Total project funding:</i></b>	<b>\$152,953.37</b>

on EMWD's website for staff is included as **Appendix C**. The following breakdown includes fully burdened salary, fringe, indirect and total costs for personnel program assignments:

**Project Manager:** Dora Llaneras, Conservation Analyst

Current salary rate \$51.99/hr.

Current fringe rate \$22.22/hr.

Total burdened rate \$74.22/hr.

Total cost \$10,687.68 (144 hours x \$74.22 per hour = \$10,687.68)

**Project Lead:** Stacy Rodriguez, Conservation Manager

Current salary rate \$64.62/hr.

Current fringe rate \$27.62/hr.

Total burdened rate \$92.23/hr.

Total cost \$2,674.67 (29 hours x \$92.23 per hour = \$2,674.67)

**Project Specialist:** Sara Quintero, Conservation Program Specialist

Current salary rate \$51.99/hr.

Current fringe rate \$22.22/hr.

Total burdened rate \$74.22/hr.

Total cost \$21,078.48 (284 hours x \$74.22 per hour = \$21,078.48)

**Project Specialist:** Juan Zamora, Conservation Program Specialist

Current salary rate \$51.99/hr.

Current fringe rate \$22.22/hr.

Total burdened rate \$74.22/hr.

Total cost \$8,535.30 (115 hours x \$74.22 per hour = \$8,535.30)

**Project Assistant:** Michael Baca, Conservation Program Assistant

Current salary rate \$34.47/hr.

Current fringe rate \$14.73/hr.

Total burdened rate \$49.21/hr.

Total cost \$8,857.80 (180 hours x \$49.21 per hour = \$8,857.80)

**TOTAL SALARIES \$51,833.93**

- *Fringe Benefits*  
Fringe benefits comprise the payroll burden which is in addition to salaries and wages. EMWD's fringe benefits include medical, dental, vision and life insurance as well as PERS contribution. EMWD's burden rate, which includes fringe benefits, is calculated each fiscal year. Periodic adjustments are made throughout the year and rates are normalized at the end of each fiscal year. Fringe benefit calculations are included in **Appendix B**.
- *Travel*  
EMWD will assume any traveling costs that incur based on this project.

- *Equipment*  
EMWD will not purchase equipment for this project.
- *Materials and Supplies*  
EMWD has an agreement with Rain bird for the Spray-to-Drip kits. The cost of these kits are \$125.00, EMWD will distribute 700 vouchers to residential customers for kits.
- *Contractual*  
EMWD will not enter a contract with outside vendors.
- *Environmental and Regulatory Compliance Costs*  
No environmental or regulatory compliance will be required and no costs are anticipated.
- *Other Expenses*  
EMWD does not anticipate additional expenses at this time.
- *Indirect Costs*  
EMWD has a federally approved, fixed carry forward indirect cost rate of 46.53%, for all programs. A copy of the approved rate is included as **Appendix D**.
- *Total Costs*  
The proposed budget for the program is \$152,953.37 with EMWD bearing 54% of the cost or \$82,953.37. EMWD is requesting \$70,000 from Reclamation.

Appendix A  
Board Resolution



**Board of Directors**  
**March 15, 2017**

**SUBJECT:**

Adopt a Resolution to Support the District's Application to the United States Department of the Interior, Bureau of Reclamation's, WaterSmart Small-Scale Water Efficiency Grant Program for the Residential Spray-to-Drip Retrofit Program, and Designate an Authorized Representative

**BACKGROUND:**

Eastern Municipal Water District (EMWD) has a history of successfully partnering with the United States Bureau of Reclamation (USBR) in water use efficiency programs, including the recently completed Water Use Efficiency Master Plan (Master Plan), a long-term guideline for implementing conservation programs at EMWD. One recommendation of the Master Plan is to focus on new and innovative outdoor conservation programs. The proposed Spray-to-Drip Retrofit Kit Program (Program) will be a customer cost-share program that will provide customers another method to reduce outdoor water use and improve efficiency. Participating residential customers will receive a complete retrofit kit with the required material to convert a minimum of 250 square-feet and a maximum of 400 square-feet of planter beds. The kit includes all the necessary components such as pressure regulators, drip tubing, connectors, and emitters to retrofit the planter area properly. Customers will also receive an installation DVD and maintenance tips.

Pre- and post-site inspections will ensure the retrofit kits are correctly installed in appropriate areas. Analysis will be done to confirm water savings when compared to other programs. This program will be offered to residential customers of EMWD.

The Program benefits include:

- Saving 350 acre-feet (AF) over the lifetime of the program with improved outdoor irrigation efficiency; and
- Providing customer education about the advantages of the Drip Retrofit and instructions on how to install it.

Staff is proposing to partner with USBR through the Small-Scale Water Efficiency Grant Program to implement the Residential Spray-to-Drip Retrofit Program. The Program has an estimated implementation cost of \$152,957. The requested grant amount from USBR is \$70,000.

This program will be offered on a first come, first served basis. EMWD was able to negotiate a reduction in price for a cost of \$125 for each Spray-to-Drip Retrofit Kit. The kit normally retails for \$199. The customer share-of-cost will be \$25, which can be paid through their water billing

account. EMWD will recover \$17,500 as share-of-cost paid by the participants for the equipment. The Metropolitan Water District will fund \$35,000 through the conservation credits program. The remaining estimated costs of \$30,457 will be funded from EMWD's Special Projects fund. The estimated cost for EMWD is \$874 per AF saved.

**FINANCIAL IMPACT:**

This project will be financed from the General District Special Projects or Studies Fund.

**STRATEGIC PLANNING GOAL/OBJECTIVE:**

Water Use Efficiency: Promote efficient use of water resources through the implementation of industry-leading programs and practices combined with customer education and awareness.

**ENVIRONMENTAL IMPACT:**

None

**RECOMMENDATION:**

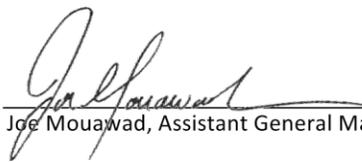
Adopt the proposed Resolution supporting the grant application to the United States Department of the Interior, Bureau of Reclamation's WaterSmart Small-Scale Water Efficiency Projects Grant Program.

**SUBMITTED BY:**



Paul D. Jones II, P.E., General Manager

3/6/2017



Joe Mouawad, Assistant General Manager

2/24/2017

**Attachment(s):**

*Exhibit A - Resolution*

History:

03/09/17 Board Planning Committee RECOMMENDED FOR APPROVAL  
03/15/17 Board Meeting

Staff Contact: Lovsted/Llaneras

**RESOLUTION NO. 2017-015**

**A RESOLUTION OF THE BOARD OF DIRECTORS OF EASTERN MUNICIPAL WATER DISTRICT TO SUPPORT THE DISTRICT'S APPLICATION FOR THE DEPARTMENT OF THE INTERIOR BUREAU OF RECLAMATION TO OBTAIN A SMALL-SCALE WATER EFFICIENCY GRANT PURSUANT TO SENATE BILL (SB) 101,3860-101-3228 SECTION 13 FOR THE RESIDENTIAL SPRAY-TO-DRIP RETROFIT KIT PROGRAM, AND DESIGNATE AN AUTHORIZED REPRESENTATIVE**

**WHEREAS**, Eastern Municipal Water District (the "District") desires to finance portions of the cost for the Residential Spray-to-Drip Retrofit Kit Program; and

**WHEREAS**, the District intends to finance the remaining cost of the Project with monies provided by the Department of the Interior Bureau of Reclamation ("Reclamation"), and customer share participation

**NOW, THEREFORE, THE BOARD OF DIRECTORS OF EASTERN MUNICIPAL WATER DISTRICT DOES HEREBY RESOLVE, DETERMINE AND ORDER AS FOLLOWS:**

1. The General Manager (the "Authorized Representative") or his designee is hereby authorized and directed to sign and file, for and on behalf of the District, a Water Conservation Field Services Grant Application implementation of the Project;
2. The Board of Directors has reviewed and supports the application submitted;
3. The District has the capacity to provide funding and/or in-kind contributions specified in the funding plan;
4. The District will work with Reclamation to meet established deadlines for entering into a cooperative agreement; and
5. This Resolution shall be effective upon its adoption.

DATED: March 15, 2017

  
David J. Slawson, President

I hereby certify that the foregoing is a full, true and correct copy of the Resolution adopted by the Board of Directors of the Eastern Municipal Water District at its meeting held on March 15, 2017.

ATTEST:

  
Sheila Zelaya, Board Secretary

(SEAL)

## Appendix B

Salaries and wages normalization adjustments

# Appendix C

## Staff job classifications

## Appendix D

### Federally approved indirect costs

orig: February  
E: C. Rathbone



United States Department of the Interior

NATIONAL BUSINESS CENTER

RECEIVED

Indirect Cost Services

MAR 21 2011

2180 Harvard Street, Suite 430

Sacramento, CA 95815



EXECUTIVE

March 16, 2011

Mr. Anthony J. Pack, General Manager  
Eastern Municipal Water District  
2270 Trumble Road  
Perris, California 92572-8300

Dear Mr. Pack:

We reviewed the revised indirect cost rate proposal for the fiscal year (FY) ending June 30, 2010. We are prepared to approve a fixed carryforward rate of 46.53 percent for all programs. This rate is based on total direct costs, less capital expenditures and passthrough funds. The result of our review is summarized in the enclosed Exhibit. If you agree with the contents, **please sign and return the two copies** of the Indirect Cost Negotiation Agreement to us to complete the negotiation process. I will then sign and return one copy to you.

New indirect cost rate proposals are necessary to obtain approved rates for FYs 2011 and 2012. These proposals, which were due in our office before January 1, 2010 and 2011, respectively, may be based on actual costs, budgetary data, or a combination of these data. Your proposal requesting a rate for FY 2012 must include a carryforward computation for FY 2010 based on and or reconcilable to financial statements that meet the requirements of the Single Audit Act of 1984, Public Law 98-502, as amended. For additional information on how to prepare indirect cost proposals, please visit our Web site at <http://www.aqd.nbc.gov/ics>.

If you have any questions concerning the agreement or this letter, please write or call Ms. Maria Nua, Program Analyst, at (916) 566-7111.

Sincerely,

*Deborah A. Moberly*  
Deborah A. Moberly

Indirect Cost Coordinator

Enclosures: Exhibit and Negotiation Agreement

Ref: J: States & Local Gov/Local Gov't & Water Districts/Emwdw719/Emwd-Na.10

Phone: (916) 566-7111  
Fax: (916) 566-7110



E-mail: [ICS@nbc.gov](mailto:ICS@nbc.gov)  
Internet: <http://www.aqd.nbc.gov/ics>