



Yucaipa Valley Water District

12770 Second Street, Yucaipa, California 92399 Phone: (909) 797-5117

Notice and Agenda of a Regular Meeting of the Board of Directors

Wednesday, April 1, 2015 at 6:00 p.m.

- I. **CALL TO ORDER** - Pledge of Allegiance
- II. **ROLL CALL**
- III. **PUBLIC COMMENTS** - At this time, members of the public may address the Board of Directors on matters within its jurisdiction. To provide comments on specific agenda items, please complete a speaker's request form and provide the completed form to the Board Secretary prior to the board meeting.
- IV. **CONSENT CALENDAR** - All matters listed under the Consent Calendar are considered by the Board of Directors to be routine and will be enacted in one motion. There will be no discussion of these items prior to the time the board considers the motion unless members of the board, the administrative staff, or the public request specific items to be discussed and/or removed from the Consent Calendar.
 - A. Minutes of Meetings
 - 1. Regular Board Meeting - March 18, 2015
 - 2. Board Workshop - March 24, 2015
- V. **BOARD REPORTS**
 - A. San Gorgonio Pass Water Resource Alliance - Technical Committee and General Meeting - March 25, 2015
 - B. San Gorgonio Pass Water Agency Nexus Workshop - March 20, 2015
 - C. Reports by Board Members
- VI. **STAFF REPORT**
- VII. **DISCUSSION ITEMS**
 - A. Discussion Regarding Water Facility Capacity Charges for a New Dwelling Unit Located at 10556 Bryant Street, Yucaipa - Chris Stark [[Director Memorandum No. 15-028 - Page 17 of 141](#)]
 - RECOMMENDED ACTION: That the Board requires the payment of the typical drinking water facility capacity charge for the dwelling unit under construction at 10556 Bryant Street, Yucaipa.

Any person with a disability who requires accommodation in order to participate in this meeting should telephone Tysa Baeumel at (909) 797-5117 at least 48 hours prior to the meeting in order to make a request for a disability-related modification or accommodation.

Materials related to an item on this agenda submitted to the Board of Directors after distribution of the board meeting packet are available for public inspection during normal business hours at the District office located at 12770 Second Street, Yucaipa. Meeting material is also be available on the District's website at www.yvwd.dst.ca.us

- B. Authorization to Develop a Surplus Recycled Water Exchange Contract Between Yucaipa Valley Water District and Beaumont Cherry Valley Water District [[Director Memorandum No. 15-029 - Page 29 of 141](#)]
 RECOMMENDED ACTION: That the Board, by minute order, authorizes the District staff to develop a draft recycled water exchange and purchase contract.
- C. Discussion Regarding the Filing of Application Materials Required to Secure Possible Funding for Energy Efficiency Incentives [[Director Memorandum No. 15-030 - Page 36 of 141](#)]
 RECOMMENDED ACTION: That the Board authorizes the District staff to complete and file the necessary application materials to become eligible to receive energy efficiency incentives.
- D. Discussion Regarding Participation in the iEfficient Water Conservation Campaign for Fiscal Year 2015-16 [[Director Memorandum No. 15-031 - Page 95 of 141](#)]
 RECOMMENDED ACTION: That the Board authorizes the District staff to continue our participation in the iEfficient water conservation campaign for a sum not to exceed \$16,917.45.
- E. Discussion Regarding a Claim for Damages Related to a Vehicle Accident on September 29, 2014 - Tanya Sharp [[Director Memorandum No. 15-032 - Page 118 of 141](#)]
 RECOMMENDED ACTION: That the Board denies the claim for damages.

VIII. DIRECTORS COMMENTS

IX. CLOSED SESSION

- A. Conference with Labor Negotiator (Government Code 54957.6)
 District Negotiator: Joseph Zoba, General Manager
 Employee Organization: IBEW Local Union 1436-YVWD Employees Association
- B. Conference with Labor Negotiator (Government Code 54957.6)
 District Negotiator: Joseph Zoba, General Manager
 Employee Organization: YVWD Supervisory Employees
- C. Conference with Labor Negotiator (Government Code 54957.6)
 District Negotiator: Joseph Zoba, General Manager
 Employee Organization: YVWD Management Employees (Exempt)
- D. Conference with Labor Negotiator (Government Code 54957.6)
 Unrepresented Employee: Joseph Zoba, General Manager

X. ANNOUNCEMENTS

- A. April 7, 2015 at 4:00 p.m. - Board Workshop
- B. April 15, 2015 at 6:00 p.m. - Regular Board Meeting
- C. April 22, 2015 at 6:00 p.m. - San Gorgonio Pass Regional Water Resource Alliance at the City of Banning
- D. April 28, 2015 at 4:00 p.m. - Board Workshop
- E. May 6, 2015 at 6:00 p.m. - Regular Board Meeting
- F. May 12, 2015 at 4:00 p.m. - Board Workshop
- G. May 20, 2015 at 6:00 p.m. - Regular Board Meeting
- H. May 26, 2015 at 4:00 p.m. - Board Workshop
- I. May 27, 2015 at 6:00 p.m. - San Gorgonio Pass Regional Water Resource Alliance at the City of Banning
- J. June 3, 2015 at 6:00 p.m. - Regular Board Meeting
- K. June 9, 2015 at 4:00 p.m. - Board Workshop

- L. June 17, 2015 at 6:00 p.m. - Regular Board Meeting
- M. June 23, 2015 at 4:00 p.m. - Board Workshop
- N. June 24, 2015 at 6:00 p.m. - San Gorgonio Pass Regional Water Resource Alliance at the City of Banning

XI. ADJOURNMENT

Consent Calendar



Yucaipa Valley Water District

MINUTES OF A REGULAR BOARD MEETING

March 18, 2015 at 6:00 P.M.

Directors Present:

Lonni Granlund, President
Bruce Granlund, Director
Tom Shalhoub, Director
Ken Munoz, Director

Staff Present:

Joseph Zoba, General Manager
Jack Nelson, Assistant General Manager
John Hull, Public Works Manager
John Wrobel, Regulatory and Environmental Control
Manager
Vicky Elisalda, Controller
Jennifer Ares, Water Resource Manager

Directors Absent:

Jay Bogh, Vice President

Consulting Staff Present:

David Wysocki, Legal Counsel

Registered Guests and Others Present:

Karen Da Silva, News Mirror
David Duron, Customer
Mark Westwood
Leonard Stevenson, San Gorgonio Pass Water Agency

The regular meeting of the Board of Directors of the Yucaipa Valley Water District was called to order by Director Lonni Granlund at 6:00 p.m. at the Administrative Office Building, 12770 Second Street, Yucaipa, California.

CALL TO ORDER

Director Tom Shalhoub led the pledge of allegiance.

FLAG SALUTE

The roll was called and Director Lonni Granlund, Director Bruce Granlund, Director Ken Munoz, and Director Tom Shalhoub were present. Director Jay Bogh was absent.

ROLL CALL

David Duron discussed information about the closing of San Onofre and recycled water use restrictions.

PUBLIC COMMENTS

There were no other public comments.

Director Tom Shalhoub moved to approve the consent calendar and Director Ken Munoz seconded the motion to approve the consent calendar.

CONSENT CALENDAR

A. Minutes of Meetings

1. Regular Board Meeting - March 4, 2015
2. Board Workshop - March 10, 2015

B. Payment of Bills

1. Approve/Ratify Invoices for Board Awarded Contracts
2. Ratify General Expenses for February 2015

The motion was approved by the following vote:

Director Jay Bogh - Absent
Director Bruce Granlund - Yes
Director Lonni Granlund - Yes
Director Ken Munoz - Yes
Director Tom Shalhoub - Yes

A. Reports by Board Members

- Directors Tom Shalhoub, Ken Munoz and Bruce Granlund reported on the Joint Board Workshop between the South Mesa Mutual Water Company, Western Heights Mutual Water Company, and the Yucaipa Valley Water District held on March 12, 2015 (No meeting minutes were produced for this meeting).
- Director Tom Shalhoub reported on the San Bernardino County Special Districts Association meeting held on March 16, 2015.

No staff report was provided.

Following a staff presentation by Controller Vicky Elisalda, Director Ken Munoz moved and Director Bruce Granlund seconded a motion to receive and file the unaudited financial report as presented.

The motion was approved by the following vote:

Director Jay Bogh - Absent
Director Bruce Granlund - Yes
Director Lonni Granlund - Yes
Director Ken Munoz - Yes
Director Tom Shalhoub - Yes

Following a staff presentation by Regulatory and Environmental Control Manager John Wrobel, Director Ken Munoz moved and Director Tom Shalhoub seconded a motion to approve the issuance of a purchase order to Burgeson's Heating & Air Conditioning for a sum not to exceed \$39,285 and to Miller Electric for a sum not to exceed \$2,226 for a total project cost of \$41,511.

The motion was approved by the following vote:

Director Jay Bogh - Absent
Director Bruce Granlund - Yes
Director Lonni Granlund - Yes
Director Ken Munoz - Yes
Director Tom Shalhoub - Yes

BOARD REPORTS

STAFF REPORT

DISCUSSION ITEMS:

DM 15-020
UNAUDITED
FINANCIAL REPORT
FOR THE PERIOD
ENDING ON
FEBRUARY 28, 2015

DM 15-021
AUTHORIZATION TO
ISSUE TWO
PURCHASE ORDERS
FOR THE
INSTALLATION OF AN
AIR CONDITIONING
SYSTEM AT LIFT
STATION NO. 1

Following a staff presentation by General Manager Joseph Zoba, Director Bruce Granlund moved and Director Ken Munoz seconded a motion to award a construction contract to Borden Excavating, Inc. for a sum not to exceed \$287,574.

The motion was approved by the following vote:

- Director Jay Bogh - Absent
- Director Bruce Granlund - Yes
- Director Lonni Granlund - Yes
- Director Ken Munoz - Yes
- Director Tom Shalhoub - Yes

Following a staff presentation by Water Resource Manager Jennifer Ares, Director Tom Shalhoub moved and Director Ken Munoz seconded a motion to authorize the Board President to execute the attached Agreement for the construction of the Second Street Pipeline Project.

The motion was approved by the following vote:

- Director Jay Bogh - Absent
- Director Bruce Granlund - Yes
- Director Lonni Granlund - Yes
- Director Ken Munoz - Yes
- Director Tom Shalhoub - Yes

Following a staff presentation by General Manager Joseph Zoba the Board of Directors decided to take no action on this item.

Following a staff presentation by General Manager Joseph Zoba and information from Mark Westwood, this item was continued to the board workshop scheduled for April 7, 2015.

DM 15-022
AWARD OF A
CONSTRUCTION
CONTRACT FOR THE
8TH STREET AND
WASHINGTON DRIVE
REPLACEMENT
PIPELINES

DM 15-023
EXECUTION OF A
COMPENSATORY
MITIGATION
AGREEMENT
PURSUANT TO THE
REQUIREMENTS OF
THE CALIFORNIA
DEPARTMENT OF
FISH AND WILDLIFE
FOR THE SECOND
STREET PIPELINE
PROJECT ACROSS
WILSON CREEK -
YUCAIPA

DM 15-024
PURCHASE OF 30-
INCH CEMENT
MORTAR LINED
WELDED STEEL PIPE
FOR THE SECOND
STREET PIPELINE
PROJECT

DM 15-025
DEMOLITION OF THE
BUILDING, BASEMENT
AND FOUNDATION AT
35192 CEDAR
AVENUE - YUCAIPA
(ASSESSOR PARCEL
NUMBER 0303-232-17)

Following a staff presentation by General Manager Joseph Zoba, Director Bruce Granlund moved and Director Ken Munoz seconded a motion to purchase three service trucks for a sum not to exceed \$137,100.

The motion was approved by the following vote:

- Director Jay Bogh - Absent
- Director Bruce Granlund - Yes
- Director Lonni Granlund - Yes
- Director Ken Munoz - Yes
- Director Tom Shalhoub - Yes

Following a staff presentation by General Manager Joseph Zoba, Director Tom Shalhoub moved and Director Ken Munoz seconded a motion to authorize the District staff to execute contracts for health related benefits for 2015-16.

The motion was approved by the following vote:

- Director Jay Bogh - Absent
- Director Bruce Granlund - Yes
- Director Lonni Granlund - Yes
- Director Ken Munoz - Yes
- Director Tom Shalhoub - Yes

Director Ken Munoz requested the development of a District policy related to the notification of bid availability, emergency repairs and preferences for local contractors.

Director Ken Munoz requested information about how the drinking water rates for mutual water companies compares to the recycled water rates of the District.

Director Lonni Granlund called attention to the announcements listed on the agenda.

The meeting was adjourned at 7:25 p.m.

Respectfully submitted,

Joseph B. Zoba, Secretary

DM 15-026
AUTHORIZATION TO
PURCHASE
REPLACEMENT
SERVICE TRUCKS
FOR THE PUBLIC
WORKS DEPARTMENT

DM 15-027
MEDICAL INSURANCE
PREMIUMS FOR 2015-
16

DIRECTOR
COMMENTS

ANNOUNCEMENTS

(Seal)

MINUTES OF A BOARD WORKSHOP

March 24, 2015 at 4:00 P.M.

Directors Present:

Lonni Granlund, President
Jay Bogh, Vice President
Bruce Granlund, Director
Ken Munoz, Director
Tom Shalhoub, Director

Staff Present:

Joseph Zoba, General Manager
Jack Nelson, Assistant General Manager
John Hull, Public Works Supervisor
Bob Wall, Operations Manager
Brent Anton, Engineering Manager
Vicky Elisalda, Controller
Joe DeSalliers, Public Works Supervisor
Chelsie Fogus, Engineering Technician I

Directors Absent:

None

Consulting Staff Present:

David Wysocki, Legal Counsel

Guests and Others Present:

Vanessa Register, Customer
David Duron, Customer
Chris Stark, Customer
Richard Siegmund, Customer
Tim Green, Western Heights Mutual Water Company
David Armstrong, Western Heights Mutual Water Company
Ginger Bryk, Yucaipa Animal Placement Society
Nicole Laffey, Yucaipa Animal Placement Society

- I. Call to Order - 4:00 p.m.
- II. Public Comments - General Manager Joseph Zoba recognized the members of the Board of Directors and District staff in attendance.
 - Nicole Laffey and Ginger Bryk from the Yucaipa Animal Placement Society presented a Certificate of Appreciation to the Board of Directors in recognition of the contributions and continued support provided by the Yucaipa Valley Water District to the Yucaipa Animal Placement Society.
- III. Staff Report:
 - General Manager Joseph Zoba discussed future meetings with the San Gorgonio Pass Water Resource Alliance and the San Gorgonio Pass Water Agency.
- IV. Presentations
 - A. Overview of the Public Policy Institute of California Report - *Policy Priorities for Managing Drought* [Workshop Memorandum No. 15-044] - General Manager Joseph Zoba provided a brief overview of the recently released Public Policy Institution of California Report.
 - B. Overview of California Drought Conditions and Related Regional Issues [Workshop Memorandum No. 15-045] - General Manager Joseph Zoba provided an overview of the current drought conditions.

- C. Overview of the 2015 California WaterReuse Conference [Workshop Memorandum No. 15-046] - Public Works Manager John Hull provided an overview of the California WaterReuse conference proceedings.
 - D. Overview of the Recycled Water System Expansion and Expedited Use Plans to Reduce the Impacts of the Current Drought Conditions [Workshop Memorandum No. 15-047] - General Manager Joseph Zoba provided an overview of the current status and possible future projects that would expand the use of recycled water in 2015.
 - E. Overview of the 2015 Imported Water Allocation Strategy by the San Bernardino Valley Municipal Water District and Future Conjunctive Use Opportunities [Workshop Memorandum No. 15-048] - General Manager Joseph Zoba provided information about the availability of water from the San Bernardino Valley Municipal Water District and how the purchase of additional water supplies can be used for conjunctive use in the future.
- V. Capital Improvement Projects
- A. Status Report on the Construction of a 6.0 Million Gallon Drinking Water Reservoir R-12.4 - Calimesa [Workshop Memorandum No. 15-027] - Engineering Manager Brent Anton provided an update on the construction activities at the R-12.4 Reservoir Project.
- VI. Development Related Issues
- A. Discussion Regarding the Installation of a Water Meter for the Construction of a Second Residential Dwelling at 10556 Bryant Street - Yucaipa [Workshop Memorandum No. 15-050] - General Manager Joseph Zoba and Property Owner Chris Stark provided information to the Board of Directors regarding the request to waive the payment of water facility capacity charges for the second dwelling under construction on the subject property.
- VII. Administrative Items
- A. Authorization to Develop a Surplus Recycled Water Exchange Contract Between Yucaipa Valley Water District and Beaumont Cherry Valley Water District [Workshop Memorandum No. 15-051] - General Manager Joseph Zoba provided information about the surplus recycled water contract with Beaumont Cherry Valley Water District.
 - B. Review of Energy Network Application Materials to Secure Potential Funding for Energy Efficiency Incentives [Workshop Memorandum No. 15-052] - General Manager Joseph Zoba provided information about the contract with the Energy Network.
 - C. Review and Status of the iEfficient Regional Public Outreach Campaign [Workshop Memorandum No. 15-053] - General Manager Joseph Zoba provided information about the iEfficient outreach campaign for fiscal year 2015-16.
 - D. Denial of Claim Related to Vehicle Accident on September 29, 2014 - Tanya Sharp [Workshop Memorandum No. 15-054] - Assistant General Manager Jack Nelson provided information about the claim for damages from Tanya Sharp.
- VIII. Director Comments - Director Ken Munoz requested water rate information from the mutual water companies and the recycled water rates charged by the Yucaipa Valley Water District. Director Ken Munoz also discussed the possibility of a tour regarding the manufacturing process for ductile iron pipe this spring.
- IX. Adjournment - The meeting was adjourned at 6:10 p.m.

Respectfully submitted,

Joseph B. Zoba, Secretary

Board Reports



Yucaipa Valley Water District

Technical Committee Meeting of the San Geronio Pass Regional Water Alliance Wednesday, March 25, 2015 at 4:30 p.m.

Banning City Hall Council Chambers
99 East Ramsey Street, Banning, California 92220

1. Call to Order
2. Public Comments
3. Reports from the Subcommittees of the San Geronio Pass Regional Water Resource Alliance
 - a. Administrative Subcommittee
 - b. Messaging Subcommittee
 - c. Recycled Water Subcommittee
 - d. Water Conservation Subcommittee
4. Discussion Regarding the Development of an Alliance Website
5. Comments by Technical Committee Members
6. Announcements
 - a. Next Meeting Date: **Wednesday, April 22, 2015 at 4:30 pm**
7. Adjournment

San Gorgonio Pass Regional Water Alliance

Wednesday, March 25, 2015 at 6:00 p.m.

Banning City Hall Council Chambers
99 East Ramsey Street, Banning, California 92220

1. Call to Order
2. Public Comments
3. Approval of Minutes
4. Reports
 - a. Technical Committee Reports
5. Presentations
 - a. Presentation of the Sustainable Groundwater Management Act of 2014
Joseph Zoba, General Manager, Yucaipa Valley Water District
 - b. Member Agency Profile: San Gorgonio Pass Water Agency
6. Future Meeting Topics
 - a. Alliance Member Agency Profile for April 2015 - South Mesa Mutual Water Company
 - b. Other Meeting Topics
7. Comments by Alliance Members
8. Announcements
 - a. Next Meeting Date: **Wednesday, April 22, 2015 at 6:00 pm**
9. Adjournment

Staff Report



Yucaipa Valley Water District

Discussion Items



Yucaipa Valley Water District



Date: April 1, 2015

Prepared By: Joseph Zoba, General Manager

Subject: Discussion Regarding Water Facility Capacity Charges for a New Dwelling Unit Located at 10556 Bryant Street, Yucaipa - Chris Stark

Recommendation: That the Board requires the payment of the typical drinking water facility capacity charge for the dwelling unit under construction at 10556 Bryant Street, Yucaipa.

On March 2, 2015, the District received a written request to reallocate the water meters providing service to property at 10556 and 10560 Bryant Street, Yucaipa. While the letter from the customer requests exchanging the domestic water meter for a non-potable water meter, the request was clarified at a recent board workshop to only utilize two water meters (and only charge two water facility capacity charges) on the property instead of three water meters (and three water facility capacity charges) as originally planned. This item was discussed at the board workshop on March 10, 2015 [Workshop Memorandum No. 15-036 and at the board workshop on March 24, 2015 [Workshop Memorandum No. 15-050].

Summary of Issues

The developer converted a property with two existing dwellings and two existing water meters into an RV Storage Facility and one rental home. The two water meters originally serving the property have been replumbed such that one water meter provides service to the RV Storage area mainly for irrigation and the second water meter provides service for the existing dwelling on the property. A third water serviceline was installed during the construction of the RV Storage facility for a future rental home when a



new dwelling would be constructed on the property. A water meter was not installed on this third water service pipeline.

The developer has now decided to proceed with the construction of the second dwelling on the property. The District staff considers the new dwelling as a third use on the property (requiring the payment of three water facility capacity charges) while the property owner considers the new dwelling as a replacement of a previously demolished dwelling on the property (requiring two water facility capacity charges).

During the board workshop meetings, the property owner and the District staff agreed that the new dwelling under construction will require a sewer facility capacity charge. Therefore, the property will have the following three equivalent dwelling units for sewer: (1) RV dump station; (2) the existing dwelling; and (3) the dwelling under construction. This will result in a total of three (3) equivalent dwelling units of sewer capacity to the property and the monthly billing will be charged accordingly.

Currently, the District staff does not have an available "credit" for a water facility capacity charge for the additional dwelling under construction.

For the new dwelling currently under construction, the Board of Directors has the following options: (1) require the payment of a water facility capacity charge; or (2) waive the water facility capacity charge. If the Board of Directors requires the payment of the facility capacity charge for the new dwelling, a new meter will be installed on the recently constructed third water serviceline on the property and the typical monthly fees associated with each water meter will be charged accordingly. If the Board of Directors waives the facility capacity charge for the new dwelling, the Board of Directors should also determine if the monthly water charges will include three Equivalent Dwelling Units for the property or two Equivalent Dwelling Units.

Background Information

Prior to the construction of the RV Storage Facility, the subject property located at 10556 Bryant Street, had two water meters to provide water service to two residential dwellings. In 1988, a 1" water meter was installed to serve the westerly dwelling. This meter was turned off in 2004 and subsequently returned to service in 2012.

A second water meter was installed closer to Bryant Street in 1991 and continues to provide service to the existing dwelling on the easterly portion of the property.



The aerial photograph below from 2012 shows the subject property with the two dwellings that existed at the time and the location of the Yucaipa Valley Water District Well No. 37.

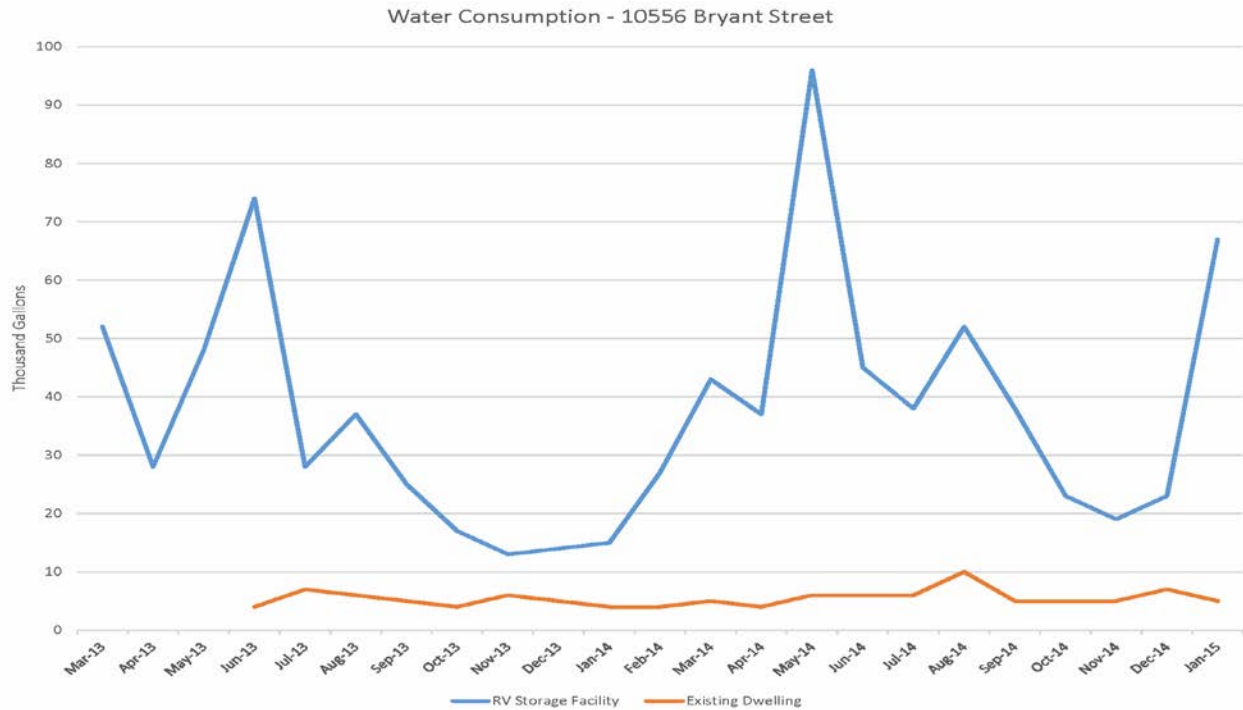


To provide for the RV Storage Facility, the developer decided to demolish the westerly home.

In 2013, the District staff drafted a Development Agreement (attached) but this draft agreement was not pursued by District staff or executed by the parties since the project resulted in the conversion of the two existing water meters for the new RV facility and the existing home. The development agreement was drafted based on the District staff understanding of the proposed project and representations made in correspondence dated June 22, 2012 stating that the proposed RV Storage Facility would be screened from the neighbors view by a “living fence with lush green vines and a row of Italian cypress trees to create a wall of green”. Since there is no recycled water in the area and the RV Storage Facility is immediate adjacent to existing YVWD drinking water pipelines, the District staff prepared Section 4 of the draft development Agreement to utilize the westerly water meter for use on and around the RV storage portion of the property while the other water meter would continue to provide service to the dwelling near Bryant Street.



Based on recent billing data, the irrigation meter for the RV Storage Facility uses an average of 37,000 gallons of water per month. The existing dwelling located near Bryant Street uses about 5,000 gallons per month. Neither of these volumes of drinking water are unreasonable for the use.



The developer is now proposing to construct a second dwelling on the property. The proposed dwelling will require additional drinking water system capacity and will be required to pay the appropriate water facility capacity charges and sewer facility capacity charges, both for capacity related charges and monthly related charges.



The District received correspondence dated March 2, 2015 stating that the additional dwelling unit should not be required to pay an additional charge for drinking water system capacity and that the pre-existing water capacity should be assigned to the new unit as well as the other uses on the property. A copy of the letter is attached for your review.

March 2, 2015

YVWD Board Members

Re: 10556, 10560 Bryant St, Yucaipa, Ca

This letter is in regards to me demolishing an existing residence approximately 1 year ago with address of 10556 1/2. This house was serviced by an existing 1" water meter which also supplied water to a walnut grove back in the day. I demoed the house so I could put RV parking spaces in the back with full intention to rebuild the same house up in the front. I supplied the city as well as the YVWD with plans reflecting this. I kept the water meter in its existing place and I am currently using it to irrigate drought tolerant low water use trees and plants around the perimeter, there is NO domestic water from this meter. I would like to ask to relocate this service meter to the south east portion of this property where there is currently a service lateral in which I paid to put in. I would like to request a non potable recycle meter be put back in its place to service my plants.

I do not feel that I should have to incur an extra EDU credit for this meter seeing how this meter serviced a house before, as well as a walnut grove. This meter & sewer lateral EDU should go with the house. The RV parking in rear is no different than a backyard having plants and trees (other than it is less water usage on average than the typical house having grass and landscape in the rear yard or a pool). The RV Storage does have a dump station which is only accessible to customers of the parking lot. On average there are 3 customers per week in which use it. A typical RV holds 60-85 gallons of black water sewage in its holding tank. That is an average of 255 gallons per week. A typical home produces between 450- 600 gallons of sewer waste each day that is approximately 3,150 gallons per week. I also do not believe that a complete EDU credit should be charged for this dump station. There are hundreds of houses in this city which have a dump station at their own personal homes.

To recap, I would like to request a non potable water meter or recycled water meter to be switched out with the current 1" domestic water meter that exists currently. The 1" domestic water meter will be relocated up to the front where there is a 1" service lateral so that I can connect the newly rebuilt house and fire sprinkler bull horn.

I will be happy to answer any other questions you may have.

Many Thanks,

Chris Stark

A handwritten signature in black ink, appearing to read 'Chris Stark', with a long horizontal line extending to the right.

RECEIVED

JUN 22 2012

**YUCAIPA VALLEY
WATER DISTRICT**

Dear Neighbors,

As per the June 6th planning commission meeting regarding the proposed RV Storage area: The purpose of this letter is to help clear up any misconceptions and to also let residents know about the alternative proposed development. I did not realize that there was so much opposition regarding this storage project. I do realize that any new development proposed in anyone's backyard will be a hard pill to swallow. However, I truly do believe that what I propose would be the best option for this neighborhood. Let me explain.

When first looking to develop this land, there were City Council meetings regarding some controversy with RV/ Trailers being stored in neighborhood front yards and in the streets. It then became clear that this property sitting 27 feet below Bryant Street, nestled between backyards of single family homes and mobile homes was the perfect space for a quiet area for RVs and trailers to be stored. I believe this would not impact the neighborhood due to the fact that most RV/ Trailers get used 3-5 times per year. The storage facility would be monitored with security cameras and an onsite care taker. There will be hours of operation that would not allow access into the storage after 7:00pm. There will be a remote gate monitored via the internet and all business transactions will be done via the internet. This facility will entail a living fence with lush green vines and a row of Italian Cypress trees to create a wall of green. The front of the property will have the existing house along with a rebuilt house next door. From Bryant Street the views will be two houses with a green belt of trees and shrubs to visually hide and maintain a clean rural north bench style living. This view would actually be much more visibly appealing than the current view of an old house and dirt. This use would not change zoning or create a commercial use, it is simply an approved use in a residential area.

On the flip side, the property is zoned RS-72C which means a minimum lot size of 7200 sf. I have also developed a plan that would entail putting a public street in, and improving the land for 9 houses. With this business plan, there are profits to be made as well. However, as we all know, the economy is not the best. As a developer, the cost of building a stick built house is at roughly \$100 per square foot, plus land, city fees and water fees. It is not profitable to build comparable stick built houses and sell them for a profit. My research has shown that many housing development companies are switching to smaller, more affordable houses at about 1100 square feet. This plan would have to be a modular house, 3 bedroom, 2 bath at a much more affordable price. People cannot afford a 2000 square foot house at \$400,000.00. The impact of 9 houses includes but is not limited to:

9 families (4-6+ people)

9+ Dogs

2-4 Cars per house

6-10 trips per day in vehicle per house

Hours of Operation: Whenever they want

Lights: Whenever they want

Security: What security???

A lot of unknowns with 9 unknown families

When I looked at this project, I asked myself what I would want in my back yard and remembered that my sister lived behind the storage yard at the bottom of Yucaipa Blvd. for 7 years. She never heard a peep and said it was like having a vacant lot behind her. If 9 houses go in, it is set in stone that you will have neighbors forever.

Unfortunately, the lot will not sit vacant. With this being said, I am open for feedback and would like to have a meeting with you all to discuss any concerns you may have, and explain why I truly feel that a bad decision has been made regarding this project. I want to show you how this project can be better than the alternative and how I could actually IMPROVE the quality of living by cleaning up the streets and keeping your neighborhood free of the daily eyesore of Trailers/RVs. Please email me at northbenchrstorage@gmail.com with any questions.

I will have a presentation with renderings to show how both projects will impact your neighborhood. The meeting will be held at the Yucaipa Community Center Tuesday July 3, 2012 @ 6:00 pm. Thank you for your time and consideration.

Sincerely,

Christopher Stark



VS.

- 9 homes
- 9 barking dogs
- 2-4 cars per home, 6-10 trips per day
- 4-6+ people per home
- 9+ unknowns?

AGREEMENT NO. **XX-2013**

**AGREEMENT TO PROVIDE WATER AND SEWER SERVICE TO THE
PRIVATE DEVELOPMENT OF SAN BERNARDINO COUNTY
ASSESSOR'S PARCEL NUMBER 0303-421-35**

This Agreement is made and effective this , **2013**, by and between the YUCAIPA VALLEY WATER DISTRICT, a public agency ("DISTRICT") and Oak Ridge Design & Development, Inc. ("DEVELOPER"). Each is sometimes referred to herein as a "Party" and jointly as the "Parties".

Contact information for the parties is as follows:

DISTRICT:

Yucaipa Valley Water District
12770 Second Street
Post Office Box 730
Yucaipa, California 92399-0730
Attn: Joseph B. Zoba, General Manager
Telephone: (909) 797-5119
Facsimile: (909) 797-6381

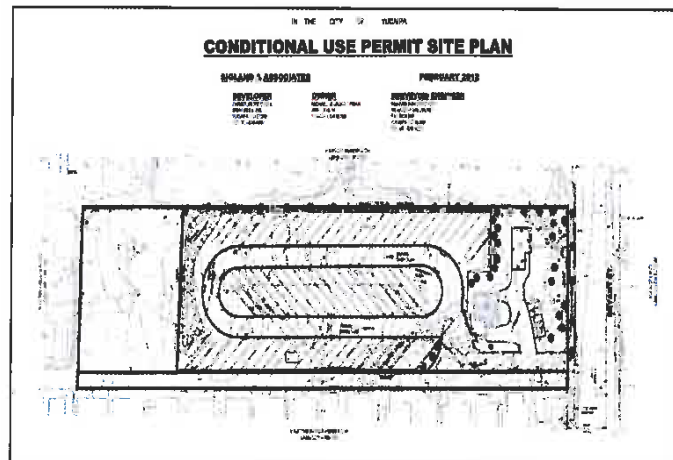
DEVELOPER:

Oak Ridge Design & Development, Inc.
34841 Iris Lane
Yucaipa, California,
Attn: Chris Stark
Telephone: (951)634-4590
Email: oakridgedd@gmail.com

PROJECT OVERVIEW

This project involves the partial commercial development of 2.75 acres into an RV storage facility located on the west side of Bryant Street, south of Carter Street (APN 0303-421-35). This project is located in the City of Yucaipa, San Bernardino County.

The Yucaipa Valley Water District has been involved in the review process for this project and has established an Assessor's Parcel Map file 0303-421-35.

**AGREEMENT**

NOW, THEREFORE, in consideration of the mutual promises and covenants contained herein, the DEVELOPER and the DISTRICT agree as follows:

1. During the course of construction, all construction work of the Facilities to be conveyed to, and owned and operated by the DISTRICT ("Facilities"), will be inspected by DISTRICT personnel and/or by DISTRICT's consultants at the sole cost of the DEVELOPER. The DEVELOPER acknowledges that the DISTRICT's inspector(s) shall have the authority to require

that any and all unacceptable materials, workmanship, construction and/or installation not in conformance with standard practices, qualities and standards in the industry, as reasonably determined by the DISTRICT, shall be replaced, repaired or corrected at DEVELOPER's sole cost and expense.

2. The DEVELOPER hereby agrees that Facilities shall be planned, designed and constructed, at its sole cost and expense, in accordance with all applicable laws, rules, regulations and policies, including the DISTRICT's Design Manual and Construction Guidelines, in effect at the time of construction. The DEVELOPER shall strictly comply with all applicable law, rules and regulations, concerning the provision of services, materials and the payment of wages. The DEVELOPER shall keep fully informed of and obey all laws, rules and regulations, and shall indemnify the DISTRICT against any liability arising from DEVELOPER's violation of any such law, rule or regulation.

3. Prior to proceeding with any construction, the DEVELOPER shall schedule and conduct a preconstruction conference with the DISTRICT's Engineer and/or designees or agents.

4. Ownership; Operation and Maintenance: Once constructed and accepted by the DISTRICT, title to the Facilities (and associated right-of-way) shall be conveyed by the DEVELOPER to the DISTRICT, and the DISTRICT will operate and maintain the Facilities and will provide service to the DEVELOPER's Property in accordance with the DISTRICT's rules and regulations and the provisions of this Agreement.

a. This property will not be required to become a dual plumbed site for the purpose of recycled water use.

b. This single property currently has an EDU credit for water and sewer service for an existing home at 10556 Bryant Street and an EDU credit for water and sewer service for a home that has been torn down at 10556-1/2 Bryant Street.

c. The DEVELOPER has requested that the 1-inch water service for 10556-1/2 Bryant Street be converted to an irrigation service for the RV storage facility. (1)-EDU credit for water service from 10556-1/2 Bryant Street shall be assigned to this service as paid in full. This service will require the installation of a USC approved RP backflow device as close as possible to the water meter location and will be required to be tested and certified each year by the property owner.

d. The DEVELOPER has paid for the DISTRICT crews to install a new 1-inch water service next to the existing 3/4-inch water service for 10556 Bryant Street at the DEVELOPER's expense. All necessary fees for water and sewer service related to the future construction of an additional EDU will be due at the time of building permit.

e. The DEVELOPER has need of a 6-inch fire service tap on the existing public water main within the DISTRICT's real property of Assessor's Parcel Number 0303-421-33. The DISTRICT will complete the 6-inch hot tap at the DEVELOPER's expense and the DEVELOPER will extend the service connection to the adjacent property line to the installation location of the required double detector check backflow device (DDC) for the private fire system pursuant to DISTRICT Standard Drawing W-13. As the DEVELOPER is installing the service line from the valve to the DDC, standard inspection and testing procedures will be required, also at the DEVELOPER's expense.

f. Due to the nature of the commercial development of the DEVELOPER's property as a RV Storage Facility, the DEVELOPER has requested a permanent connection to the public sewer by special permission from the DISTRICT Board of Directors. The DEVELOPER shall provide all necessary information as to the anticipated loading of the wastewater generated by the RV storage facility and the connection design to the DISTRICT prior to approval. The connection installation and location must be approved by the Board and inspected by the DISTRICT Environmental Control Department for compliance with all necessary and related requirements of the DISTRICT at the time of construction prior to the final acceptance of the facility. The monthly billing rate for this connection will be determined by the DISTRICT upon review of the anticipated loading. (1)-EDU credit for sewer service from 10556-1/2 Bryant Street shall be assigned to this sewer connection as paid in full.

g. The DEVELOPER shall at no time make use of the DISTRICT's driveway access to Assessor's Parcel Number 0303-421-33. The DEVELOPER shall maintain drivable access to the DISTRICT properties at all times and shall not encroach on the DISTRICT property at any time without prior written permission from the DISTRICT. The DEVELOPER shall also construct a new access gate on the same DISTRICT property near the entry point off of Bryant Street to prevent usage of the DISTRICT property by the private commercial project at the DEVELOPER's expense.

5. The DEVELOPER shall be solely responsible for the payment to the DISTRICT of all fees, charges, costs and expenses related to this development. In the event of a change in the DISTRICT's schedule of fees and charges, such change shall automatically be incorporated into this Agreement as though set forth in full.

6. The DEVELOPER and the DISTRICT agree that the DISTRICT, its employees, agents and officials, shall be fully protected and indemnified from any loss, injury, damage, claim, fine, penalty, lawsuit, cost, expense, attorneys' fees, litigation costs, defense costs, court costs or any other costs arising out of or in any way related to the performance by DEVELOPER of this Agreement. Accordingly, the provisions of this indemnity provision are intended by the parties to be interpreted and construed to provide the fullest protection possible under the law to the DISTRICT. DEVELOPER acknowledges that the DISTRICT would not enter into this Agreement in the absence of this commitment from the DEVELOPER to indemnify and protect the DISTRICT as set forth herein.

7. Unless extended by mutual agreement of the parties in writing, this Agreement shall terminate at 5:00 p.m., on the day before the sixth (6th) anniversary date of this Agreement; provided, however, that this Agreement shall automatically terminate, as follows:

a. Upon expiration of the recorded map regardless of the decision to extend the expiration date by the land use authority; or

b. Immediately, upon abandonment by the DEVELOPER of the DEVELOPER's project and/or the work hereunder; or

c. Within 45 days of the date of the issuance of a Notice of Default by the DISTRICT to the DEVELOPER in the event the DEVELOPER fails or refuses to perform, keep or observe any of the terms, conditions or covenants set forth in this Agreement.

In the event of termination, and in order to counteract any threat to the public's health, safety or welfare, the DISTRICT shall have the right, without liability to the DEVELOPER, to complete, at the DEVELOPER's non-reimbursable expense, all or a portion of the Facilities constructed pursuant to this Agreement.

Notwithstanding the foregoing, the Indemnification clauses contained herein shall survive the termination of this Agreement.

- 8. This Agreement may be amended in writing signed by both parties.
- 9. However, this Agreement shall not be assignable except by the written consent of both parties.
- 10. This Agreement is not intended to create, and nothing herein contained shall be construed to create, an association, a trust, a joint venture, a partnership or other entity of any kind, and either party is intended to be the agent, employee or partner of the other. This Agreement is only for the benefit of the parties to this Agreement, their successors and assigns. No other person or entity shall be entitled to rely on any matter set forth in this Agreement.
- 11. All disputes related to this Agreement shall first be submitted to non-binding mediation.

IN WITNESS WHEREOF, the parties have executed is Agreement to be effective on the day and year first above written.

DEVELOPER

YUCAIPA VALLEY WATER DISTRICT

By _____

By _____

Print Name

Print Name

Title

Board President

Title

Company

Yucaipa Valley Water District

Agency



Date: April 1, 2015

Prepared By: Joseph Zoba, General Manager

Subject: Authorization to Develop a Surplus Recycled Water Exchange Contract Between Yucaipa Valley Water District and Beaumont Cherry Valley Water District

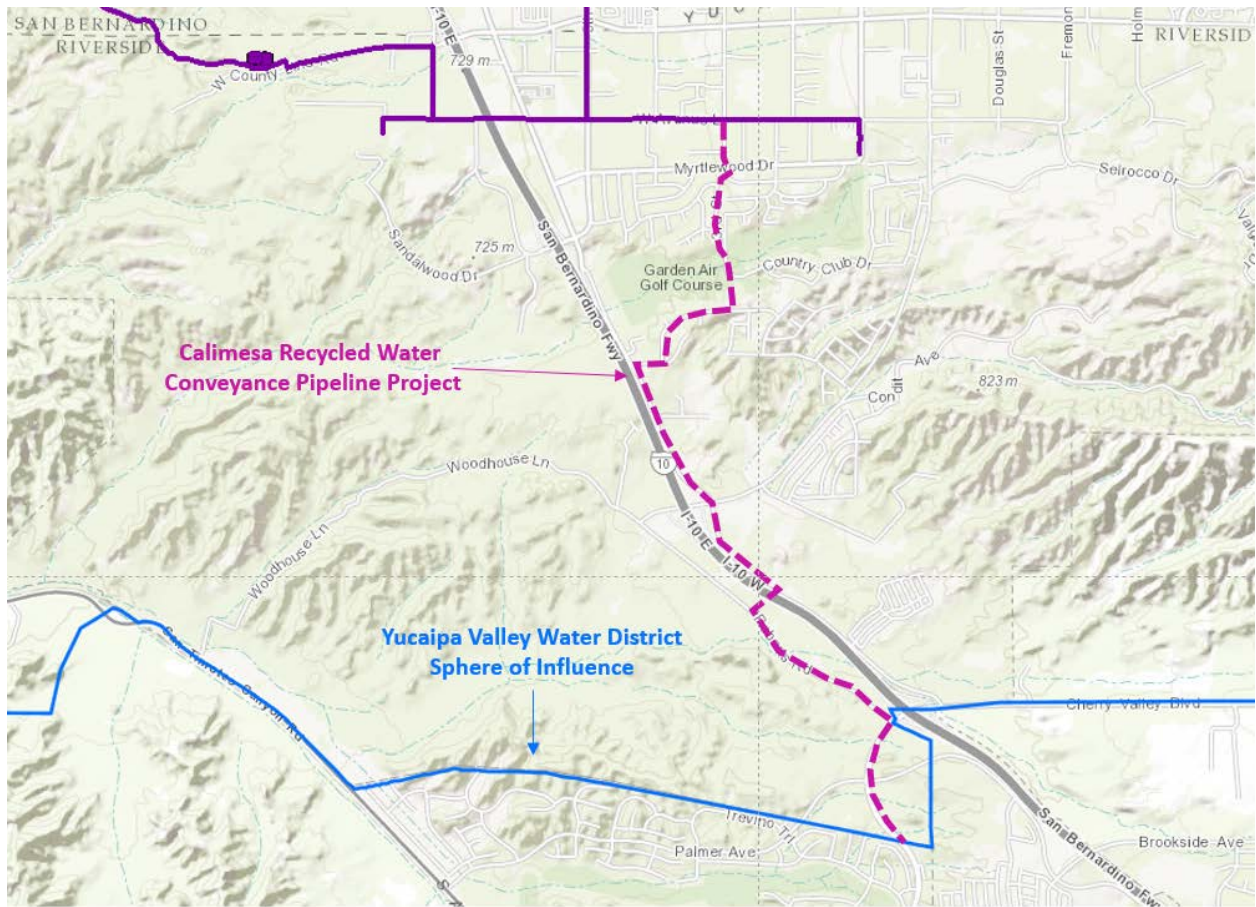
Recommendation: That the Board, by minute order, authorizes the District staff to develop a draft recycled water exchange and purchase contract.

At the board workshop on March 24, 2015, the District staff presented several items related to the ongoing drought (Workshop Memorandum Nos. 15-044 and 15-045) and the importance of constructing recycled water improvements to enhance our alternative water supply sources (Workshop Memorandum Nos. 15-046 and 15-047).

While areas throughout the State are wrestling with the implementation of various drought solutions, the Yucaipa Valley Water District has recycled water infrastructure systems in place that will allow us to facilitate the construction of a new recycled water conveyance pipeline that can reduce the demands on regional water resources by about 2,000 acre feet per year. The new recycled water pipeline would interconnect the Yucaipa Valley Water District's recycled water system with the Beaumont Cherry Valley Water District's recycled water system.

With the construction of a recycled water interconnection pipeline, the two water agencies will be able to share recycled water resources. Initially, recycled water that is surplus to the needs of the Yucaipa Valley Water District customers will be made available to customers in the service area of the Beaumont Cherry Valley Water District. Within the next five years, the City of Beaumont will be expanding and adding desalination facilities to their wastewater treatment plant that will then be able to produce recycled water consistent with the water quality objectives enforced by the Regional Water Quality Control Board. Therefore, with an interconnected recycled water system, the recycled water resources that are surplus to the needs of the Yucaipa Valley Water District and generated from the Wochholz Regional Water Recycling Facility can be shared with the customers of the Beaumont Cherry Valley Water District. Likewise, the recycled water resources surplus to the needs of the Beaumont Cherry Valley Water District / City of Beaumont and generated from the City of Beaumont Wastewater Treatment Plant in the future can be shared with customers of the Yucaipa Valley Water District.

This type of exchange agreement is commonly implemented with drinking water supplies. As the drought continues to impact the State and more recycled water systems are constructed, the District staff envisions that there will be additional exchange agreements for sharing recycled water resources in the future.





Governor Brown, Legislative Leaders Announce \$1 Billion Emergency Drought Package

3-19-2015

SACRAMENTO - Mobilizing state resources to face another year of extreme dry conditions, Governor Edmund G. Brown Jr. today joined Senate President pro Tempore Kevin de León, Assembly Speaker Toni Atkins, and Republican Leaders Senator Bob Huff and Assemblymember Kristin Olsen to announce legislation to help local communities cope with the ongoing, devastating drought. The \$1 billion package will expedite bond funding to make the state more resilient to the disastrous effects of climate change and help ensure that all Californians have access to local water supplies.

"This unprecedented drought continues with no signs yet of letting up," said Governor Brown. "The programs funded by the actions announced today will provide direct relief to workers and communities most impacted by these historic dry conditions."

The legislation includes more than \$1 billion for local drought relief and infrastructure projects to make the state's water infrastructure more resilient to extreme weather events. The package accelerates \$128 million in expenditures from the Governor's budget to provide direct assistance to workers and communities impacted by drought and to implement the Water Action Plan. It also includes \$272 million in Proposition 1 Water Bond funding for safe drinking water and water recycling and accelerates \$660 million from the Proposition 1E for flood protection in urban and rural areas.

"Taken together, this package provides a major boost to our state's efforts to manage the drought and strengthen our infrastructure," said pro Tempore De León. "I want to thank the Governor and the Speaker for working together to respond to this crisis. It shows how we--as leaders--can get things done when we all work together in common purpose."

"The drought isn't letting up, so we can't let up either," said Speaker Atkins. "This legislation will deliver relief to Californians harmed by the drought and help us manage the significant problems the drought continues to cause. Since our skies are still clear--our job is too. And making sure we meet emergency needs, prepare for short term problems, and advance longer-term projects are an important part of that effort."

"I want to thank the Governor, the pro Tem and the Speaker for inviting us today. We were briefed on this proposal just this morning, and so far it sounds like a good approach. We need to review the legislation in detail but it seems like a reasonable start," said Senate Republican Leader Bob Huff. "Republicans have consistently said that storage is essential for providing a reliable water source to all of California for future generations. The Prop 1 water bond that was passed last year is a critical step forward in meeting the needs for California's future. There's no question California's drought crisis has worsened, as once again we've experienced a dry winter. With the hot summer months approaching, it's incumbent on all Californians to be responsible with how they use water. It's critical that we act now."

"This emergency drought relief is an important band aid," said Assembly Republican Leader Kristin Olsen. "We must move beyond temporary fixes. Projects to increase water supply have been hung up in government red tape for decades. I'm glad today we are making decisions that help people and look to us all to take real actions on long-term projects so emergency actions are no longer needed."

The Sierra Nevada snowpack, which Californians rely on heavily during the dry summer months for their water needs, is at a near record low. The March snowpack measurement came in at 0.9 inches of water content in the snow, just 5 percent of the March 3rd historical average for the measurement site. The overall water content for the Northern Sierra snowpack came in at 4.4 inches, just 16 percent of average for the date. Central and southern Sierra readings were 5.5 inches (20 percent of average) and 5 inches (22 percent) respectively. Only in 1991 has the water content of the snow been lower.

Taking action to further strengthen water conservation in the state, the State Water Resources Control Board on Tuesday voted to expand and extend an [emergency regulation](#) to prohibit certain water use, such as washing down sidewalks, and create a minimum standard for outdoor irrigation restrictions by urban water suppliers.

Since last February, the state has pledged over \$870 million to support drought relief, [including](#) money for food to workers directly impacted by the drought, funding to secure emergency drinking water supplies for drought impacted communities and bond funds for projects that will help local communities save water and make their water systems more resilient to drought. Last month, Governor Brown met with U.S. Secretary of the Interior Sally Jewell in Sacramento to announce nearly [\\$20 million in federal drought relief](#) for California's Central Valley Project.

In December 2013, the Governor formed a [Drought Task Force](#) to closely manage precious water supplies, to expand water conservation wherever possible and to quickly respond to emerging drought impacts throughout the state. The following month, the administration finalized a comprehensive [Water Action Plan](#) that charts the course for California to become more resilient in the face of droughts and floods and the Governor declared a [drought state of emergency](#). In April 2014, the Governor called on the state to [redouble their efforts](#) at combating drought.

Last fall, the Governor signed legislation requiring [local, sustainable groundwater management](#) as well as legislation to put a [water bond](#) before voters, which won bipartisan approval in the Legislature and was approved overwhelmingly at the polls. He also issued an Executive Order [streamlining efforts to provide water to families](#) in dire need as the extreme drought continues to grip the state by making funding available through the California Disaster Assistance Act to provide water for drinking and sanitation to households currently without running water.

Governor Brown has called on all Californians to reduce their water use by 20 percent and prevent water waste. Visit [SaveOurWater.com](#) to find out how everyone can do their part and [Drought.CA.Gov](#) to learn more about how California is dealing with the effects of the drought.

###



Brown proposes \$1 billion in drought spending



Gov. Jerry Brown answers questions concerning the proposed \$1 billion package of emergency drought-relief legislation during a Capitol news conference in Sacramento, Calif., Thursday, March 19, 2015.

As California copes with a fourth straight year of drought, Gov. Jerry Brown and legislative leaders on Thursday proposed legislation to accelerate more than \$1 billion in water spending and urged residents to do their part to conserve.

Winter is ending without enough snow and rain to replenish reservoirs, offering little relief from the worst drought in a generation.

Santa Clarita Valley water officials Thursday were already reviewing the proposed legislation.

“We are looking into the details to see if we might qualify,” said Dirk Marks, water resource manager for the Castaic Lake Water Agency.

Keith Abercrombie, general manager of the Valencia Water Company, said: “At this time we are still reviewing the requirements for projects that would be subject to this proposal to determine if we have any projects that would be good candidates.”

The proposed legislation includes \$128 million to ease dire water shortages in some communities; the financial struggles of unemployed farm workers in the Central Valley; and dry conditions that contribute to wildfires.

The rest of the funding comes from voter-approved bonds — including a \$7.5 billion water measure passed in November — to speed up water projects that can help communities prepare for future dry years.

“We need to get the money out the door now for shovel-ready projects and existing water programs that only need funding to get started,” Senate President Pro Tem Kevin de Leon said. “No delay. No red tape.”

Two such projects are already standing by at the Newhall County Water District, General Manager Steve Cole said Thursday.

“We have two shovel-ready projects, called the Recycled Water Phases 2-A and 2-C,” Cole said. “One project brings recycled water to the area near College of the Canyons; the other involves a (water) connection to Central Park.”

Nearly two-thirds of the legislative package funds would go to improve flood control structures by using leftover money from a 2006 voter-approved bond measure.

Lawmakers said climate change is contributing to sudden floods — even in dry years — and flood protection protects drinking water supplies.

“We maximize the water we do have if we can direct the flood waters in a way that’s safe for communities,” said Assemblyman Marc Levine, a San Rafael Democrat who chairs a water committee.

More immediate funding includes \$20 million for additional emergency drinking water for communities with dry wells; \$24 million for food banks; and \$16 million to help fish and animals threatened by vanishing streams and rivers.

Unemployment in the agricultural Central Valley has reached 14 percent and domestic wells are running dry in a handful of parched communities such as East Porterville, where the state has already spent \$500,000 to provide bottled water for 290 families.

Brown said the drought has highlighted fundamental questions about how the state uses water and will require Californians to adopt innovative solutions.

“Growing a walnut or an almond takes water. Having a new house with a bunch of toilets and showers takes water,” Brown said. “So how do we balance use and efficiency with the kind of life that people want in California?”

The measures are expected to come for a vote within a week and will need majority approval from the state Legislature, which is controlled by Democrats.

Republican legislative leaders joined Brown at a news conference supporting the bills Thursday but were not involved in crafting the proposals.

Such spending is normally approved as part of budget negotiations that last through June, but lawmakers said their action will help kick-start the projects sooner.

The plan is labeled as emergency legislation, but much of the funding has been available to the state for years. It could take more than a year for some of the projects to produce a noticeable increase in water supplies.

“This is a Band-Aid,” said Assembly Minority Leader Kristin Olsen, a Modesto-area Republican. “This is a temporary small step toward fixing a monumental problem.”

The water in the Sierra Nevada snowpack — California’s largest water source — is far below normal. Some drought observers fear it may never return to normal, requiring a fundamental change to California water policy.

Continuing dry conditions drove state water regulators to ramp up mandatory water restrictions this week that prevent Californians from watering their lawns daily and require that customers ask for water at restaurants rather than having it automatically served.

Critics have questioned whether the measures go far enough given the severity of the drought.

Brown said he’s prepared to ramp up action if the drought gets worse.

“Don’t have any doubts. We are going to increasingly control the use of water to the point where you have to get a lot more efficient, it’s going to be expensive and everyone has got to do their part, and they will,” Brown said.

The water-spending legislation came a year after Brown signed a \$687 million drought-relief package, most of which went to accelerate water infrastructure projects. A third of that funding has still not been allocated, and the Department of Water Resources has not yet recommended how the money should be spent.



Date: April 1, 2015

Prepared By: Joseph Zoba, General Manager

Subject: Discussion Regarding the Filing of Application Materials Required to Secure Possible Funding for Energy Efficiency Incentives

Recommendation: That the Board authorizes the District staff to complete and file the necessary application materials to become eligible to receive energy efficiency incentives.

On February 24, 2015, the Board of Directors received recommendations from a Water and Sewer System Energy Efficiency Audit of District facilities conducted by representatives from the Energy Network [Workshop Memorandum No. 15-023]. The Energy Network is a third-party engineering consultant firm, authorized by the California Public Utilities Commission, to assist residents, businesses, and the public sector to achieve energy savings. At no cost to the District, Lincus and the Energy Network performed an audit of District facilities with input and participation by District staff members.

The Energy Network has prepared an application packet on behalf of the District in order to secure the rebate incentives in addition to the on-bill financing application option. There is no commitment to go forward with the energy upgrades at this phase of the project, it is merely to secure the incentives. The following information is attached for your review:

- Henry R. Wochholz Regional Water Recycling Facility Feasibility Study - Page 2 of 59
- Water System Optimization Feasibility Study - Page 20 of 59
- Southern California Edison Customer Agreement - 35 of 59
- On-Bill Financing Application - 43 of 59



Energy Efficiency
Engineering

Yucaipa Valley Water District Henry R. Wochholz Regional Water Recycling Facility Feasibility Study



Water Infrastructure & System Efficiency (WISE) Program

PREPARED FOR:
Amy Olson & Greg Telle
Southern California Edison
March 03, 2014

Accepted by:

Signature: _____

Name: Jennifer Ares

Title: Water Resources Manager

Date: 3/18/2015

DISCLAIMER AND CONFIDENTIALITY

This report is not intended to serve as an engineering design document, but is intended to provide estimated energy-efficiency savings, possible utility/federal incentives, and Return-On-Investment (in years) associated with the proposed energy-efficiency measures (EEM) for the specific locations at the Yucaipa Valley Water District (District). The information and recommendations represented in this report have been reviewed for their technical accuracy and are believed to be reasonable and correct.

It is to be noted that the savings estimates presented herein have been based on the available data, and information obtained from the facility personnel at the District. Lincus, Inc. and/or Southern California Edison (SCE) are not liable if the projected estimated savings or economics are not actually achieved because of varying operating conditions at the site. All the savings and cost estimates are for informational purposes, and are not to be construed as a design document or as guarantees. The customer should independently evaluate the information presented in this report, and in no event will Lincus, Inc. or SCE be held liable if the customer fails to achieve a specified amount of energy savings, operation of their facilities, or any incidental or consequential damages of any kind in connection with this report or the installation of the recommended measures. The completion of the project will need to be prior to one year after the project approval date.

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Yucaipa Valley Water District (WRWRF): Wastewater Treatment Plant Feasibility Study

Section 1: Executive Summary

Lincus was requested by SCE to assist the Yucaipa Valley Water District (District) in identifying energy-efficiency opportunities within their Henry R. Wochholz Regional Water Recycling Facility (WRWRF). As a part of this, Lincus conducted an on-site energy assessment of the WRWRF to assess the existing operation and process equipment (e.g., blowers, pumps, and belt press).

Wochholz Regional Water Recycling Facility	Existing Design (MGD)	Average (MGD)	Annual Energy Usage (kWh)
880 W COUNTY LINE RD CALIMESA, CA 92320	8	4.02	6,466,160

Based on the site energy assessment, Lincus developed an energy-efficiency plan for the District to implement at the WRWRF. The proposed Energy Efficiency Measures (EEMs) are:

- 1) EEM 1: Blower Efficiency Improvement (PR-61029)
- 2) EEM 2: ORP & DO Sensor Control of Blowers (PR-17464)
- 3) EEM 3: Mixed Liquor Recycle Optimization (PM-29644)

Table 1 provides a high-level summary of recommended EEMs. The proposed measures provide a total energy and demand savings of 768,131 kWh/year and 86.8 kW, respectively, which equates to an annual utility cost savings of \$92,176. The total cost to implement these measures is estimated to be \$462,200, which along with utility incentives of \$74,468 puts the simple payback period at 4.2 years.

SCE offers On-Bill Financing (OBF) as an available source of funding to implement energy efficiency projects. Through On-Bill Financing, this energy efficiency project may qualify to be financed at zero percent interest without fees. For additional information on how you may qualify for OBF funds, please work with your SCE Account Representative.

The calculations assume an SCE customized incentive of \$0.08/kWh and \$150/kW capped at 50% of project cost. The total utility cost savings are based on average utility rate of \$0.12/kWh using billing analysis.

Yucaipa Valley Water District (WRWRF): Wastewater Treatment Plant Feasibility Study

Table 1: Executive Summary

Energy Efficiency Measure	Savings		Measure Cost	Total Incentive	Net Measure Cost	Annual Utility Savings	Simple Payback
	EE Demand kW	Annual kWh					
EEM 1: Blower Efficiency Improvement (PR-90435)	78.9	520,839	\$350,000	\$53,501	\$296,499	\$62,501	4.7
EEM 2: ORP & DO Sensor Control of Blowers (PR-17464)	3.7	210,979	\$94,000	\$17,428	\$76,572	\$25,317	3.0
EEM 3: Mixed Liquor Recycle Optimization (PM-29644)	4.2	36,313	\$18,200	\$3,538	\$14,662	\$4,358	3.4
Totals	86.8	768,131	\$462,200	\$74,468	\$387,732	\$92,176	4.2

Yucaipa Valley Water District (WRWRF): Wastewater Treatment Plant Feasibility Study

Section 2: Introduction

The Yucaipa Valley Water District requested an energy assessment of their water recycling facility. The plant is designed for 8 MGD of flow. However, the plant is currently operating at an average flow rate of 4.02 MGD, as per flow data provided. Lincus engineers looked at the existing operations and evaluated it based on inputs received from plant personnel. This report looked at the existing operations of specific plant equipment like pump and blower energy usage to come up with an energy-savings strategy for the District.

The water treatment process for the facility consists of primary, secondary, and tertiary treatment. Primary treatment processes include headworks screening, grit removal, and primary clarification. Secondary treatment processes include AnoxKaldnes integrated film activated sludge (IFAS) treatment and secondary clarification. Tertiary treatment includes microfiltration (MF), and ultraviolet disinfection (UV). Feedwater to the plant is supplied from the District sewer system. The plant effluent is used as non-potable water.

There are two (2) splitter boxes that provide flow to the secondary system. The primary effluent splitter box contains effluent from the primary sedimentation basins. The mixed liquor splitter box contains flow from the mixed liquor return pumps, return activated sludge pumps and primary equalization basin pumps. Flow from the splitter boxes flows into the anoxic basins. The anoxic basins operate in a depleted oxygen environment in order to reduce the level of nitrogen in the feed. The basins are divided into four quadrants and each quadrant is mixed in order to maintain the biological environment.

Flow from the anoxic basins is gravity fed to the aeration basin where it is aerated in order to achieve nitrification. The secondary treatment system contains four (4) aeration basins with only two (2) blowers in operation. The aeration basins provide oxygen to sustain microbes for the removal of organic matter and nutrients. There are two zones of treatment in the AnoxKaldnes process. The first oxic zone operates at a higher dissolved oxygen level than the second oxic zone. Each zone of treatment contains AnoxKaldnes media. The media is used to increase the level of treatment available within the aeration basin by allowing attachment of biosolids to the media structure. After aeration, the majority of mixed liquor is recirculated to the anoxic basins while a smaller portion undergoes a post anoxic treatment. In this zone, the oxygen in the mixed liquor is depleted and denitrification will occur. Aeration of the basins are handled using three (3) 400hp blowers. Usually one (1) 400hp blower operates under normal conditions.

After aeration basins, treated water from the IFAS process goes through secondary clarifiers which allow solids to settle. In each of the four clarifiers, solids settle to the bottom of the clarifier to form Return Activated Sludge (RAS). RAS is pumped via the RAS pumps to the mixed liquor/RAS splitter box. Secondary clarified effluent flows outward to the secondary equalization basin.

Yucaipa Valley Water District (WRWRF): Wastewater Treatment Plant Feasibility Study

Waste activated sludge (WAS) may be pumped from the RAS sump or the effluent channel of the aeration basins. WAS is pumped to the existing Dissolved Air Flootation (DAF) system.

There is tertiary treatment of the secondary effluent using microfiltration (MF), ultraviolet disinfection (UV), and chlorination before effluent is reintroduced to the community as recycled water. The MF/UV effluent of the tertiary treatment process is sent to the Reclaimed Water Reservoir D.1 for storage before it is distributed. The overflow of this reservoir discharges to the San Timoteo Creek.

Solids from the treatment process are sent to the DAF system, which then pumps sludge to the anaerobic digesters when sufficient sludge has accumulated. The anaerobic digesters also receive sludge from the primary sedimentation basins. Heater and the mixing pumps maintain an environment in the digesters beneficial for the mesophilic bacteria to facilitate sludge digestion. Waste heat from the digesters is recaptured by the boiler for the digesters. Digested sludge is sent to the belt filter press for dewatering and land disposal.

Table 2: Project Team and Facility Information

Key project team members and their contact information are listed in the table below:

Name	Role	Organization	Contact Information
Jennifer Ares	Water Resources Manager	Yucaipa Valley Water District	Phone: (909) 790-3301 Email: jares@yvwd.dst.ca.us
Kevin King	Operations Manager	Yucaipa Valley Water District	Phone: (661) 259-3610 Email: kking@yvwd.dst.ca.us
James Ferro	Program Manager	The Energy Coalition	Phone: (949) 732-1094 Email: jferro@energycoalition.org
Wyatt Troxel	Sr. Re-Integrative Solutioneer	EnerVention Strategies	Phone: (909) 519-8901 Email: wltroxel@me.com
Amy Olson	Account Manager	Southern California Edison	Phone: (909) 873-7956 Email: amy.olson@sce.com
Greg Telle	Program Manager	Southern California Edison	Phone: (626) 302-0700 Email: Gregory.R.Telle@sce.com
Hob Issa, P.E.	Lead Consultant	Lincus, Inc.	Phone: (949) 244-6528 Email: hissa@lincusenergy.com
Sabarish Vinod	Senior Engineer	Lincus, Inc.	Phone: (480) 598-8431 Email: svinod@lincusenergy.com
Fielu Vu	Project Development Engineer	Lincus, Inc.	Phone: (626) 473-2093 Email: fvu@lincusenergy.com

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Yucaipa Valley Water District (WRWRF): Wastewater Treatment Plant Feasibility Study

Section 3: Project Description

3.1 Facility Description:

As explained above, the facility uses an intricate network of pumps, blowers, etc., to move and treat raw sewage, pump treated effluent, and dispose processed solids. Most of the sewage treated at this facility is delivered via a gravity-fed pipeline. Sewer pumping facilities are also used sparingly.

The facility makes use of the AnoxKaldnes IFAS process to treat sewage.

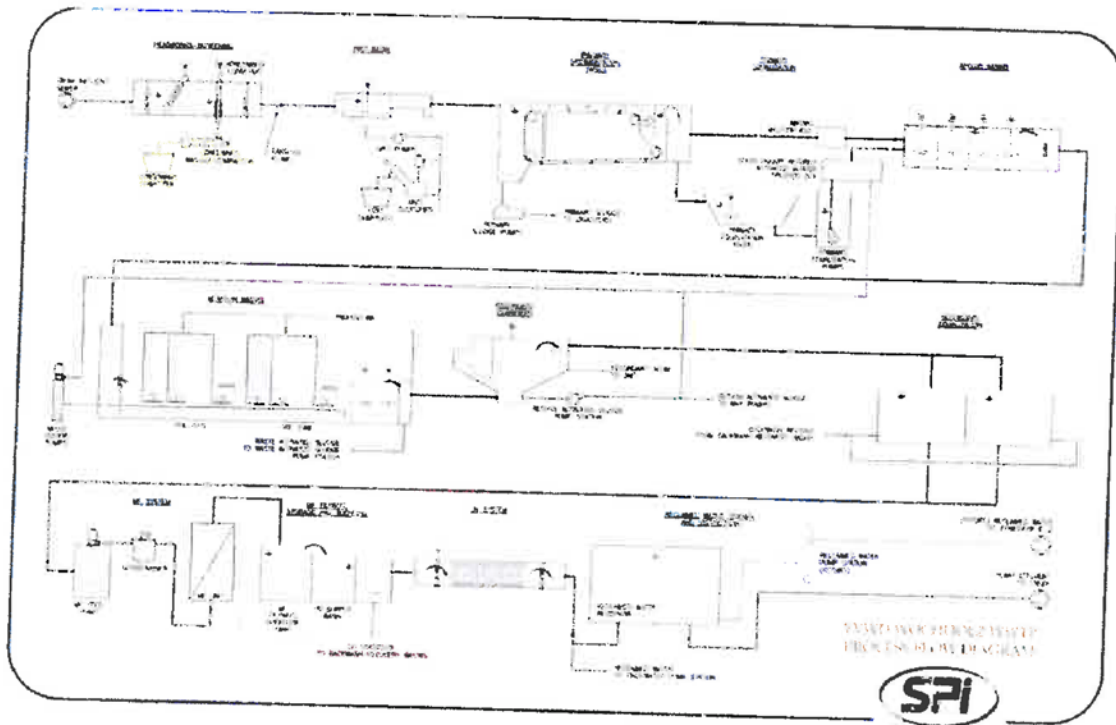


Figure 1: Process Flow Diagram of WRWRF

Figure 1 above shows the process flow diagram of WRWRF with the process equipment.

3.2 Benchmarking Analysis:

As per a study conducted by California Energy Commission (CEC), typical urban wastewater treatment plant uses about 1,000-4,500 kWh/MG processed. Based on historical consumption at this site and an average flow of 4.02 MGD, the site has an energy usage metric of 4,407 kWh/MG processed. The site falls in the higher range of energy intensities of typical tertiary treatment plants.

Figure 2 shows the annual kWh consumption profile at the WRWRF. As shown in this graph, the consumption is fairly steady.

Yucaipa Valley Water District (WRWRF): Wastewater Treatment Plant Feasibility Study

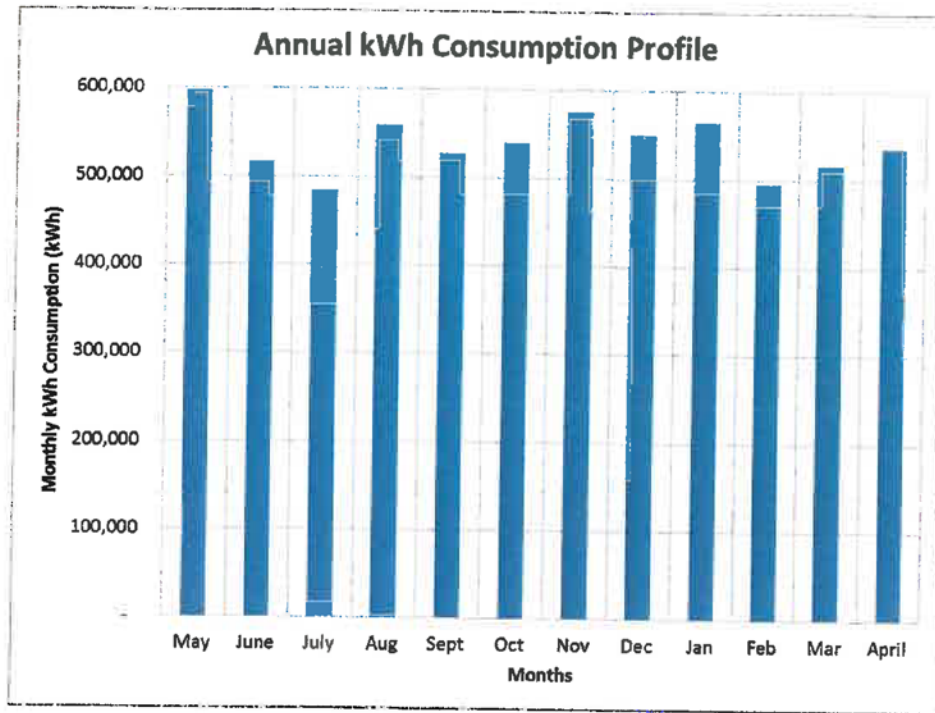


Figure 2: Annual kWh Consumption Profile

3.3 Code/ISP Analysis:

YVWD is classified under the North American Industry Classification System (NAICS) as 22131003 (Water Supply and Irrigation Systems) [B].

For the measures presented in this report, there are no applicable codes or Industry Standard Practice (ISP) Studies. While EEM 1 & 2 requires the replacement of a blower and installation of a VFD to be capable of additional blower turndown, using feedback from the ORP and DO sensors is not ISP. Therefore, the baseline for the energy analysis is the same as the in situ operating conditions of the existing system.

Table 3: Applicable WISE NAICS Designation Codes

NAICS Code	Description of Customer Segment
22131003	Water Supply and Irrigation Systems

Yucaipa Valley Water District (WRWRF): Wastewater Treatment Plant Feasibility Study

3.4 Remaining Useful Life (RUL)/Effective Useful Life (EUL):

Table 4: EUL and RUL by EEM

Measure	EUL (Years)	RUL (Years)
EEM 1: Blower Efficiency Improvement	8/15 ¹	N/A
EEM 2: ORP & DO Sensor Control of Blowers	15	5
EEM 3: Mixed Liquor Recycle Optimization	20	6.7

The EULs for Blower efficiency improvement, ORP & DO sensor control of blowers, and mixed liquor recycle optimization are from DEER 2014. These measures are considered Retrofit Addition (REA).

¹ The EUL for this measure depends on how this measure is implemented. If the existing blower is overhauled, then it will be 8 years. If the blower is replaced with a new blower, the EUL is 15 years.

Yucaipa Valley Water District (WRWRF): Wastewater Treatment Plant Feasibility Study

Section 4: Summary of Recommended Solutions

The following EEMs are detailed throughout the report:

EEM 1: Blower Efficiency Improvement (PR-61029)

Evaluate existing equipment for reasons of inefficiency. Conduct an overhaul of the blowers to bring them back to OEM specifications or implement a design change to meet current system conditions.

EEM 2: ORP & DO Sensor Control of Blowers (PR-17464)

Install a VFD controls on the overhauled blower and use Oxidation Reduction Potential (ORP) sensors and DO sensors to control the blower as per aeration requirements.

EEM 3: Mixed Liquor Recycle Optimization (PM-29644)

Decrease the mixed liquor recycle rate as per flow requirements.

Yucaipa Valley Water District (WRWF): Wastewater Treatment Plant Feasibility Study

Table 5: Summary of Savings and Financial Analysis

Description	Project Totals	EEM 1	EEM 2	EEM 3
		Blower Efficiency Improvement PR-90435	ORP & DO Sensor Control of Blowers PR-17464	Mixed Liquor Recycle Optimization PM-29644
Energy Savings				
Annual Electricity Savings (kWh)	768,131	520,839	210,979	36,313
Demand Savings (kW)	86.8	78.9	3.7	4.2
Annual Electricity Cost savings (\$)	\$92,176	\$62,501	\$25,317	\$4,358
Total Utility Savings	\$92,176	\$62,501	\$25,317	\$4,358
Water Savings at the Power Plant (gallons)	727,420	493,235	199,797	34,388
Cost Summary				
Measure Cost (\$) ²	\$462,200	\$350,000	\$94,000	\$18,200
SCE Incentive (\$) ³	\$74,468	\$53,501	\$17,428	\$3,538
Net Measure Cost (\$)	\$387,732	\$296,499	\$76,572	\$14,662
Simple Payback (Years)⁴				
Without SCE Incentive	5.0	5.6	3.7	4.2
With SCE Incentive	4.2	4.7	3.0	3.4
Recommended? (Y/N)		Y	Y	Y

² High level measure cost estimates. District Engineer must verify the actual cost through a bidding process.
³ Incentive rate of \$0.08/kWh and \$150/kW, maximum SCE Incentive = 50% of project cost.
⁴ Payback calculated using an energy cost rate of \$0.12/kWh obtained from billing analysis.
⁵ Total Utility Savings includes sludge disposal cost savings.

Yucaipa Valley Water District (WRWRF): Wastewater Treatment Plant Feasibility Study

Section 5: Recommended Solutions

This section elaborates on existing operating conditions and recommended solutions or changes to the way this system is currently operating. Each subsection explores the recommended solutions along with potential demand (kW) and energy (kWh) savings, operational cost savings and project cost with a simple payback calculation.

EEM 1: Blower Efficiency Improvement (PR-61029)

Existing Condition: There are three (3) 400hp blowers for the AnoxKaldnes IFAS process. One (1) blower operates at a time to meet process loads. When the air requirement of the system is less than the minimum blower SCFM, blow off air is supplied to the unused secondary treatment basins, thus the blowers are oversized. Due to flow equalization, the air requirement does not exceed the capacity of one blower. Process equipment like blowers lose efficiency over time due to normal equipment wear and tear. Overall equipment efficiency is also affected by system conditions and how far off they are from equipment design conditions. Figure 3 shows the aeration blowers for the IFAS process.

Figure 3: Blowers for the IFAS Process



Recommended Action: Since the air requirements of the system may drop to blower surge SCFM conditions, a pony blower or a lower horsepower blower is recommended for full-time operation, with the other blowers used only when SCFM demands exceed the pony blower.

Yucaipa Valley Water District (WRWRF): Wastewater Treatment Plant Feasibility Study

Evaluate existing equipment for reasons of inefficiency. Conduct an upgrade of the blowers to bring them back to OEM specifications or implement a design change to meet current system conditions.

Energy Savings Calculation: Based on the data collected at the time of the site visit and

from site personnel, it was estimated that Blower #3 one (1) of the 400hp blowers is operating at a wire-to-air efficiency of 62.3%. The operation is rotated between the three (3) 400hp blowers that run continuously. Since blower operations are rotated, the other two (2) 400hp blowers are assumed to have the same efficiencies as the ones described previously. These efficiencies may be improved up to 72% by performing blower overhaul.

EEM 1: Blower Efficiency Improvement	
Savings Summary	
Annual Electricity Savings [kWh]	520,839
Demand Savings [kW]	78.9
Annual Elect Cost Savings	\$62,501
Cost Summary	
Measure Cost [\$]	\$350,000
SCE Incentive [\$]	\$53,501
Net Measure Cost [\$]	\$296,499
Simple Payback (Years)	
Without SCE Incentive	5.6
With SCE Incentive	4.7

Financial Impacts: The cost of replacing (1) 400hp blower is expected to be \$350,000⁶. The simple payback for this measure is expected to be 4.7 years.

⁶ Project cost assumed at \$1000/hp replacement cost for a 350hp pony blower.

Yucaipa Valley Water District (WRWRF): Wastewater Treatment Plant Feasibility Study

EEM 2: ORP & DO Sensor Control of Blowers (PR-17464)

Existing Condition: Three (3) 400hp blowers are available at the site to satisfy aeration requirements. At the time of the site visit, one (1) blower was in operation for the IFAS process, providing air to serve the process. The existing flow control mechanisms in all blowers are inlet throttling that coordinate with Dissolved Oxygen (DO) level. DO in the sewage that is being treated at the facility is measured using 1 sensor per oxic zone, thus 2 sensors per basin. The plant's typical DO setpoint is 2.8 in oxic zone 1 and 2.0 in oxic zone 2. Aeration requirements dictate the amount of work that must be done by the blowers.

Recommended Action: Install a VFD on the pony blower recommended in EEM1 for motor speed control. VFDs will modulate the speed of the motor as per DO requirements. The Oxidation Reduction Potential (ORP) sensor measures the oxidation reduction potential within the system, which indicates the potential for facilitating carbonaceous biological oxygen demand (cBOD) degradation, nitrification, and biological phosphorus removal. The ORP sensor range of adequate aeration for both processes is between +100 and +250 mV, the higher potential being more desirable. ORP readings greater than +250 mV indicate the system is over-aerated and excess energy is being used. An ORP below +100 mV means insufficient aeration is taking place for the reaction to effectively occur. If the blower control is automated using a feed-back loop from a remote ORP sensor, it can yield as much as an 8% annual savings.

EEM 2: ORP & DO Sensor Control of Blowers	
Savings Summary	
Annual Electricity Savings [kWh]	210,979
Demand Savings [kW]	3.7
Annual Elect Cost Savings	\$25,317
Cost Summary	
Measure Cost [\$]	\$94,000
SCE Incentive [\$]	\$17,428
Net Measure Cost [\$]	\$76,572
Simple Payback (Years)	
Without SCE Incentive	3.7
With SCE Incentive	3.0

Energy Savings Calculation: The baseline is based on one (1) blower operating continuously as per DO set points of 2.8 and 2.0 for oxic zones 1 and 2, respectively. The power requirement of each blower is calculated using SCADA data for the blower. Savings is realized from the additional blower turn down due to the VFD enabled pony blower and feedback control of the ORP & DO sensors.

Financial Impacts: The cost of installing a VFD control on one (1) 350hp pony blower and installing one (1) sensor per oxic zone is expected to be \$94,000⁷. The simple payback for this measure is expected to be 3.0 years.

⁷ Project cost assumed at \$215/hp VFD installation and \$1,000/sensor installation cost for the ORP sensors. Lincus, Inc.

Yucaipa Valley Water District (WRWRF): Wastewater Treatment Plant Feasibility Study

EEM 3: Mixed Liquor Recycle Optimization (PM-29644)

Existing Condition: After aeration, the majority of mixed liquor is recirculated to the anoxic basins via four (4) 70hp mixed liquor recycle (MLR) pumps. Four times the influent flow rate of mixed liquor is recirculated to the ML/RAS splitter box. The 400% return of the mixed liquor requires additional pumping. While the return of mixed liquor decreases IFAS process aeration requirements, pumping requirements increase. A balance is required between the effectiveness of the IFAS process and pumping efficiency. Figure 4 shows the mixed liquor channel.

Figure 4: Mixed Liquor Channel



Recommended Action: Optimize the recycle rate of mixed liquor. The effect on denitrification is minimal in comparison to the energy reduction of the mixed liquor recycle pumps.

Energy Savings Calculation: The baseline is based on the energy usage of the MLR pumps pumping four times the average influent flow rate operating via VFD control to meet system requirements and operating 24/7. The proposed is based on the energy usage of the MLR pumps pumping three times the average influent flow rate.

Financial Impacts: The cost of optimizing the VFD set point of the four (4) 70hp mixed liquor recycle pumps is expected to be \$18,200⁸. The simple payback for this measure is expected to be 3.4 years.

EEM 3: Mixed Liquor Recycle Optimization	
Savings Summary	
Annual Electricity Savings [kWh]	36,313
Demand Savings [kW]	4.2
Annual Elect Cost Savings	\$4,358
Cost Summary	
Measure Cost [\$]	\$18,200
SCE Incentive [\$]	\$3,538
Net Measure Cost [\$]	\$14,662
Simple Payback (Years)	
Without SCE Incentive	4.2
With SCE Incentive	3.4

⁸ Project cost assumed at \$50/hp VFD optimization and an additional 30% to account for contingency costs.

Yucaipa Valley Water District: Water System Optimization Feasibility Study

Appendix A – Supporting Files

1. Energy Savings Estimates for Yucaipa Valley Water District

Please use this attached file for analysis of savings estimates for measures EEMs 1-3 and Executive Summary Tables.



Yucaipa WWTP
Energy Savings Estim

2. Calculation Documents



Aug. 2014 Data



INF_TKN_BOD.xlsx



Blower Amps



Blower Pressure



YUCAIPA VALLEY
WATER DIST BillHist

Yucaipa Valley Water District: Water System Optimization Feasibility Study

References:

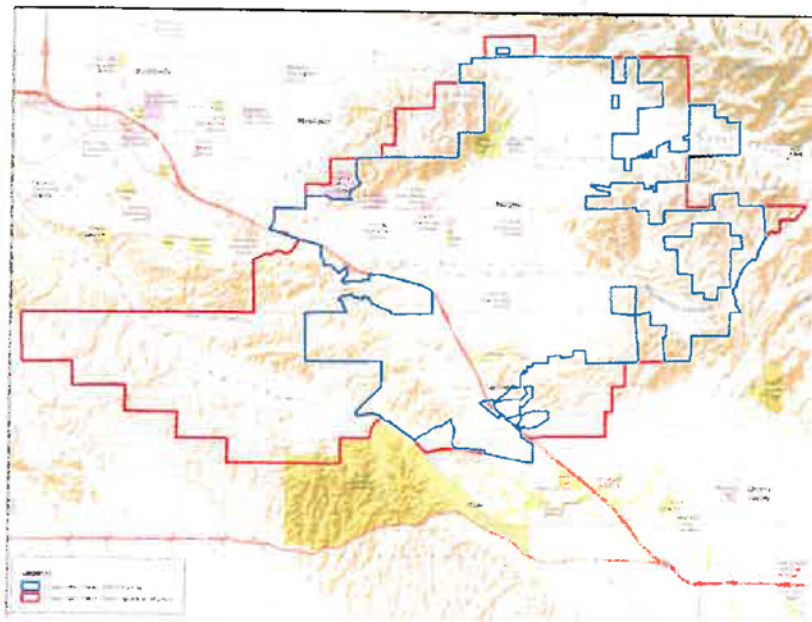
[A] <http://www.energy.ca.gov/2006publications/CEC-500-2006-118/CEC-500-2006-118.PDF>

[B] <http://www.energy.ca.gov/2012publications/CEC-400-2012-004/CEC-400-2012-004-CMF-REV2.pdf>



Energy Efficiency
Engineering

Yucaipa Valley Water District Water System Optimization Feasibility Study



Water Infrastructure & System Efficiency (WISE) Program

PREPARED FOR:
Amy Olson & Greg Telle
Southern California Edison
March 03, 2014
REVISED

Accepted by:

Signature: _____

Name: Jennifer Ares

Title: Water Resources Manager

Date: 3/18/2015

DISCLAIMER AND CONFIDENTIALITY

This report is not intended to serve as an engineering design document, but is intended to provide estimated energy-efficiency savings, possible utility/federal incentives, and Return-On-Investment (in years) associated with the proposed energy-efficiency measures (EEM) for the specific location at the Yucaipa Valley Water District (District). The information and recommendations represented in this report have been reviewed for their technical accuracy and are believed to be reasonable and correct.

It is to be noted that the savings estimates presented herein have been based on the available data, and information obtained from the facility personnel at the District. Lincus, Inc. and/or Southern California Edison (SCE) are not liable if the projected estimated savings or economics are not actually achieved because of varying operating conditions at the site. All the savings and cost estimates are for informational purposes, and are not to be construed as a design document or as guarantees. The customer should independently evaluate the information presented in this report, and in no event will Lincus, Inc. or SCE be held liable if the customer fails to achieve a specified amount of energy savings, operation of their facilities, or any incidental or consequential damages of any kind in connection with this report or the installation of the recommended measures. The completion of the project will need to be prior to one year after the project approval date.

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Yucaipa Valley Water District: Water System Optimization Feasibility Study

Section 1: Executive Summary

Lincus was requested by Southern California Edison (SCE) to assist Yucaipa Valley Water District (District) in identifying energy-efficiency opportunities within their water distribution system (System) and water filtration facility (WFF). As a part of this, Lincus conducted an on-site energy assessment of the System and WFF to assess the existing operation of the pumps. Based on the site energy assessment, Lincus developed an energy-efficiency plan for the Customer to implement at the site.

The proposed Energy Efficiency Measures (EEMs) are:

- 1) EEM 1: Pump Efficiency Improvement – Customized (PM-90890)
- 2) EEM 2: VFD Application on 17.3 Booster Pump (PM-32978)

Table 1 on the following page provides a high-level summary of recommended EEMs. The proposed measures provide a total energy and demand savings of 141,234 kWh/year and 21 kW, respectively, which equates to an annual utility cost savings of \$16,216. The total cost to implement these measures is estimated to be \$48,950, which along with utility incentives of \$25,251 puts the simple payback period at 2.1 years.

SCE offers On-Bill Financing (OBF) as an available source of funding to implement energy efficiency projects. Through On-Bill Financing, this energy efficiency project may qualify to be financed at zero percent interest without fees. For additional information on how you may qualify for OBF funds, please work with your SCE Account Representative.

The calculations assume an SCE customized incentive of \$0.08/kWh and \$150/kW capped at 50% of project cost. The total utility cost savings are based on average utility rate of \$0.11/kWh using billing analysis.

Table 1: Executive Summary

Energy Efficiency Measure	Savings		Measure Cost	Total Incentive	Net Measure Cost	Simple Payback
	kW	kWh				
EEM 1: Pump Efficiency Improvement - Customized (PM-90890)	18	118,147	\$43,750	\$12,134	\$31,616	2.3
EEM 2: VFD Application on 17.3 Booster Pump (PM-35845)	4	23,088	\$5,200	\$2,388	\$2,812	1.1
Total	21	141,234	\$48,950	\$14,522	\$34,428	2.1

Yucaipa Valley Water District: Water System Optimization Feasibility Study

Section 2: Introduction

The Yucaipa Valley Water District requested an energy assessment of their water filtration facility and water distribution system with emphasis placed on the energy intensive equipment. The District delivers about 4 billion gallons of drinking water each year. The District relies on four primary water resources to meet water demand: groundwater, local surface water, imported water, and recycled water. Groundwater supplied 60%, local surface water supplied 3%, recycled water supplied 9%, and imported water supplied 28% of their customers' water demands¹.

The District purchases potable water from two State Water Project contractors, the San Bernardino Valley Municipal Water District and the San Geronio Pass Water Agency. The two State Water Contractors convey imported water from the Sacramento San Joaquin Delta, which is utilized as a supplemental potable water source to the local supply and is treated at the Yucaipa Valley Regional Filtration Facility. The imported water is also used for groundwater recharge and recycled water irrigation.

The Yucaipa Valley Regional Filtration Facility operates a Pall Microfiltration system to treat State Water Project Water to supplement potable water demands. The Pall Microfiltration (MF) systems consists of MF feed pumps, MF feed self-cleaning strainers, MF rack system, MF air scouring and backwash, and reverse flush pumps.

The MF feed pumps feed and pressurize the plant influent water through the MF system. The MF system has feed strainers. The water from the discharge of the MF unit feed pump will pass through the self-cleaning strainer before going through the MF membrane process to remove particles or debris in the feed water. The strainers undergo backwashing cycles. The MF rack system consists of hollow fiber membranes to filter contaminants (suspended solids and microorganisms) from the water. Supporting the membrane units are auxiliary support systems, including an excess feed (EF) system, reverse filtration pumps, a combined enhanced flux maintenance/clean in place system, a process air system, and a compressed air system. These processes remove residual air from the membrane module, backwash process which combines air scouring and reverse filtration using filtered water to remove surface membrane contaminants, and removal of membrane fouling that has accumulated on membrane surface and is not removed by backwashing. The filtration facility effluent is pumped to a reservoir for use in the water distribution system.

The energy assessment addressed three (3) booster pumps of the water distribution system.

This analysis is based on the available pump test results conducted between 2012 and 2014 for YVWD pumps that were performed by SCE Hydraulic Services, as well as data provided by

¹ Yucaipa Valley Water District 2010 Urban Water Management Plan
Lincus, Inc.

Yucaipa Valley Water District: Water System Optimization Feasibility Study

YVWD personnel and collected at the time of the site visit. The analysis assumes that these pumps have not been retrofitted since the pump tests were completed.

Pump tests on YVWD booster stations and groundwater wells between 2011 and 2013 reveal that they consume about 8.9 million kWh/year. The pump tests also indicate there is opportunity for pump overhauls. Furthermore, there may be additional energy savings available by installing other energy efficiency measures for the booster stations and wells. Additional data collection and analysis will be necessary in order to identify other energy-efficiency opportunities.

Yucaipa Valley Water District: Water System Optimization Feasibility Study

Table 2: Project Team and Facility Information

Key project team members and their contact information are listed in the table below:

Name	Role	Organization	Contact Information
Jennifer Ares	Water Resources Manager	Yucaipa Valley Water District	Phone: (909) 790-3301 Email: jares@yvwd.dst.ca.us
Bob Wall	Operations Manager	Yucaipa Valley Water District	Phone: (909) 790-9208 Email: bwall@yvwd.dst.ca.us
James Ferro	Program Manager	The Energy Coalition	Phone: (949) 732-1094 Email: jferro@energycoalition.org
Wyatt Troxel	Sr. Re-Integrative Solutioneer	EnerVention Strategies	Phone: (909) 519-8901 Email: wltroxel@me.com
Amy Olson	Account Manager	Southern California Edison	Phone: (909) 873-7956 Email: amy.olson@sce.com
Greg Telle	Program Manager	Southern California Edison	Phone: (626) 302-0700 Email: Gregory.R.Telle@sce.com
Hob Issa, P.E.	Lead Consultant	Lincus, Inc.	Phone: (949) 244-6528 Email: hissa@lincusenergy.com
Sabarish Vinod	Senior Engineer	Lincus, Inc.	Phone: (480) 598-8431 Email: svinod@lincusenergy.com
Fiela Vu	Project Development Engineer	Lincus, Inc.	Phone: (626) 473-2093 Email: fvu@lincusenergy.com

Yucaipa Valley Water District: Water System Optimization Feasibility Study

Section 3: Project Description

3.1 Facility Description:

The YVWD maintains and operates over a 68 square mile service territory. The Yucaipa Valley Regional Filtration Facility operates a Pall Microfiltration system to treat State Water Project Water supplement potable water demands of the water distribution system. The water distribution system contains of a total of 15 booster stations, 39 active groundwater wells, and 28 reservoirs. The wells pump about 2 MGD and the booster stations pump about 1.8 MGD to meet the water demands. The District provides water to over 12,000 connections. Table 3 provides a summary of pumps specifications of the pumps that are potential candidates for energy efficiency.

Table 3: Yucaipa Valley Water District Booster and Well Pumps

Pump Name	Pump Location	Pump Type	Motor HP	kWh/Year	Test Eff. %	Impr. Eff. %
WELL 44	4901 PLANT G-4	TW	125	261,924	37.88	69
B17.3	YUCAIPA, CA 92399	TB	7.5	115,020	52	52

3.2 Benchmarking Analysis:

As per a study conducted by California Energy Commission (CEC), water distribution consumes 700-1200 kWh/MG pumped [A]. It is also estimated in the same study that typical groundwater sources consume anywhere from 700kWh/MG to 1,800 kWh/MG pumped.

Based on pump test information for the site, similar benchmarking analysis was conducted based on annual consumption and flow numbers. The District consumes an average of 1,544 kWh/MG pumped.

3.3 Code/ISP Analysis:

YVWD is classified under the North American Industry Classification System (NAICS) as 22131003 (Water Supply and Irrigation Systems) [B]. For the measures presented in this report, there are no applicable codes or Industry Standard Practice (ISP) Studies because pumps within YVWD are designed and customized for the use of water distribution. Therefore, the baseline for the energy analysis is the same as the in situ operating conditions of the existing system.

NAICS Code	Description of Customer Segment
22131003	Water Supply and Irrigation Systems

Yucaipa Valley Water District: Water System Optimization Feasibility Study

3.4 Remaining Useful Life/Effective Useful Life (RUL/EUL):

Table 4: EUL and RUL by EEM

Measure	EUL (Years)	RUL (Years)
EEM 1: Pump Efficiency Improvement – Customized	8/15	N/A
EEM 2: VFD Application on 17.3 Booster Pump	15	N/A

The EULs for Pump Efficiency Improvement and VFD Installation are from DEER 2014. These measures are considered Retrofit Add-on (REA) as the existing pumps are constant speed, motor-driven pump systems.

Section 4: Summary of Recommended Solutions

The following EEMs are detailed throughout the report:

EEM 1: Pump Efficiency Improvement – Customized (PM-90890)

Perform pump efficiency improvement on the pumps. Evaluate existing equipment for reasons of inefficiency. Conduct an upgrade of the pumps to bring them back to OEM specifications or implement a design change to meet current system conditions.

EEM 2: VFD Application on 17.3 Booster Pump (PM-32978)

Decommission existing valves and control the existing pumps using VFDs.

Table 5: Summary of Savings and Financial Analysis

Savings Summary	Project Totals		EEM1	EEM2
			Pump Efficiency Improvement - Customized PM-89077	VFD Application on 17.3 Booster Pump PM-35845
Energy Savings				
Annual Electricity Savings (kWh)	141,234		224,823	23,088
Demand Savings (kW)	21		28.1	3.6
Annual Electricity Cost Savings (\$)	\$16,216		\$25,814	\$2,651
Total Utility Savings (\$)²	\$16,216		\$25,814	\$2,651
Water Savings at the Power Plant (gallons)	133,749		212,908	21,864
Cost Summary				
Measure Cost (\$)	\$48,950		\$78,750	\$5,200
SCE Incentive (\$)³	\$14,522		\$22,195	\$2,388
Net Measure Cost (\$)	\$34,428		\$56,555	\$2,812
Simple Payback (Years)				
Without SCE Incentive	3.0		3.1	2.0
With SCE Incentive	2.1		2.2	1.1

² Based on average utility rate of \$0.11/kWh using billing analysis
 ³ Incentive rate of \$0.08/kWh and \$150/kW, maximum SCE incentive = 50% of project cost.

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Yucaipa Valley Water District: Water System Optimization Feasibility Study

Section 5: Recommended Solutions

This section elaborates on existing operating conditions and recommended solutions or changes to the way this system is currently operating. Each subsection explores the recommended solutions along with potential demand (kW) and energy (kWh) savings, operational cost savings and project cost with a simple payback calculation.

EEM 1: Pump Efficiency Improvement - Customized

Existing Condition: Well 44, one (1) of the facility's water distribution pumps is operating with a low overall plant efficiency (OPE). Process equipment like pumps lose efficiency over time due to normal equipment wear and tear. Overall equipment efficiency is also affected by system conditions and how far off they are from equipment design condition. The pump test performed in 2012 for the specified pump within YVWD is operating with an existing OPE at 38%.

Recommended Action: Evaluate existing equipment for reasons of inefficiency. Conduct an upgrade of the pumps to bring them back to OEM specifications or implement a design change to meet current system conditions. The implementation may include, but may not be limited to pump bowl assembly and impeller repairs or replacements, impeller trimming, pump operation improvement, and right sizing of equipment.

Energy Savings Calculation: Based on the SCE Hydraulic Services pump tests, it was observed that one (1) well pump is operating at an overall plant efficiency of 37.9%. This efficiency may be improved up to 69% by performing pump upgrades. Table 6 below shows the breakdown of estimated energy savings for each pump and their associated payback period.

EEM 1: Pump Efficiency Improvement - Customized	
Savings Summary	
Annual Electricity Savings [kWh]	118,147
Demand Savings [kW]	17.9
Annual Elect Cost Savings [\$]	\$13,565
Cost Summary	
Measure Cost [\$]	\$43,750
SCE Incentive [\$]	\$12,134
Net Measure Cost [\$]	\$31,616
Simple Payback (Years)	
Without SCE Incentive	3.2
With SCE Incentive	2.3

Financial Impacts: The cost of upgrading one (1) 125hp pump is expected to be \$43,750⁴. The simple payback for this measure is expected to be 2.3 years.

⁴ Project cost assumed at \$175/hp for booster pumps and \$350/hp repair cost for well pumps.

Yucaipa Valley Water District: Water System Optimization Feasibility Study

Table 6: Estimated Energy Savings for Pumps

SCE Service Account #	Pump Name	Pump Type	Motor HP	kWh/Year	Estimated Savings (kWh/yr)	Estimated Peak kW Savings	Measure Cost (\$)	Simple Payback (yr)
450232	WELL 44	TW	125	261,924	118,147	17.89	43,750	2.4

Yucaipa Valley Water District: Water System Optimization Feasibility Study

EEM 2: VFD Application on 17.3 Booster Pump (PM-35845)

Existing Condition: One (1) booster pump was identified as potentially benefiting from a VFD installation. The 17.3 booster pump is 7.5hp, which boosts water to meet the demands of its zone. It used to feed a reservoir; however, that reservoir has been decommissioned. Flow control is accomplished using on-off cycling based on demand requirements. On-off cycling of pumps is not an efficient flow control strategy.

Recommended Action: Install VFDs on the pump motors for flow control. VFDs will modulate the speed of the motors as per flow requirements.

Energy Savings Calculation: Energy savings are based on implementing VFD control on pumps to match flow requirements with pump energy consumption.

The system requires maintaining a pressure of 60 psi. The pump using on-off cycling as a means of flow control is providing more pressure than is needed for the system due to changes in the system requirement when the reservoir was decommissioned. Retrofitting the pumps with a VFD will ensure that only the needed head is generated. Hence the pump will consume less energy.

EEM 2: VFD Application on Booster Pump	
Savings Summary	
Annual Electricity Savings [kWh]	23,088
Demand Savings [kW]	3.6
Annual Elect Cost Savings	\$2,651
Cost Summary	
Measure Cost [\$]	\$5,200
SCE Incentive [\$]	\$2,388
Net Measure Cost [\$]	\$2,812
Simple Payback (Years)	
Without SCE Incentive	2.0
With SCE Incentive	1.1

Financial Impacts: The cost of installing VFDs is expected to be \$5,200⁵. Simple payback for this measure is expected to be 1.1 years.

⁵ Project cost assumed a \$2,000 pump replacement and a \$3,200 VFD installation cost.

Yucaipa Valley Water District: Water System Optimization Feasibility Study

Attachment A – Supporting Files

1. Energy Savings Estimates and pump test for Yucaipa Valley Water District



2. Calculation Documents

a. Calibration Data



B17.3 Information

b. Elevation Files/Hydraulic Grade Line Document



System Schematic

c. Facility Plan/Schematic



Distribution System
2008

d. Pump Tests

Available upon request

e. Billing History

Available upon request

3. Program Services



Program Services

4. Eligibility Requirements



WISE Eligibility
Requirements

Yucaipa Valley Water District: Water System Optimization Feasibility Study

References:

[A] <http://www.energy.ca.gov/2006publications/CEC-500-2006-118/CEC-500-2006-118.PDF>

[B] http://www.census.gov/eos/www/naics/2012NAICS/2012_Definition_File.pdf

[C] http://www.energy.ca.gov/2013publications/CEC-400-2013-002/chapters/2013_nonresidential_compliance_manual_without_forms.pdf

[D] <http://www.energy.ca.gov/2012publications/CEC-400-2012-004/CEC-400-2012-004-CMF-REV2.pdf>

**CUSTOMER AGREEMENT
2013-2014 STANDARD
THIRD PARTY IMPLEMENTED PROGRAM**

TERMS AND CONDITIONS

This Customer Agreement ("Agreement") is entered into by Southern California Edison Company ("SCE") and the Customer in connection with SCE's 2013-2014 Third Party Implemented Program ("Program"). Customer agrees to fully review these terms and conditions. SCE and Customer may be individually referred to as a "Party" and collectively as the "Parties."

1.0 PROJECT DESCRIPTION This Agreement is limited to those projects ("Project(s)") described in Customer's Project Feasibility Study ("PFS") approved by SCE. SCE shall pay Incentives to Customer ("Incentive(s)", or such other party properly authorized to receive payment of the Incentive(s), in accordance with the terms and conditions of this Agreement. Customer may not authorize Consultant to receive payment of the Incentive(s).

2.0 DOCUMENTS INCORPORATED BY REFERENCE The following documents are hereby incorporated by reference and made part of this Agreement: (1) Customer's completed, signed and submitted Program Agreement (including the SCE Terms & Conditions signed by Customer); (2) Customer's PFS, as approved by SCE; (3) SCE letter approving the PFS; and (4) SCE Project Summary Form. Customer acknowledges receiving and reviewing copies of all incorporated documents. In addition, reference is made to the Program's statewide manual (2013-2014 Third Party Implemented Program Policy and Procedure Manual for Business ("Policy Manual")) which provides further information, terms and condition of the Program and which may be accessed at <http://www.sce.com/business/ems/appdownload.htm>.

3.0 FUNDING AVAILABILITY/ESTIMATES Program funding is limited and is available on a first-come, first-served basis until funding is depleted or the Program is terminated. Funds will be reserved only upon SCE's execution of this Agreement; however, payment of any Incentive is subject to fulfillment of all Program terms and conditions and subject to post-installation performance verification. Customer understands that all energy savings, Incentives and installed costs provided by SCE or its contractors during the Program are estimates only. These estimates are subject to change based on SCE review and approval. The Customer is solely responsible for the selection, purchase, installation and ownership of the equipment and services under the Program.

4.0 ELIGIBILITY Projects and Customers must meet the following requirements to be eligible for payment of Program Incentives: (1) Project site must be a nonresidential facility located within SCE's service territory; (2) SCE Customers must pay the Public Purpose Program ("PPP") surcharge, on the SCE electric meter, where the energy-efficient equipment is installed; (3) Projects will be evaluated using the Customized or Express Approach and/or through Measurement and Verification ("M&V"); (4) Energy savings and demand reduction resulting from the Project must be above and beyond baseline energy performance, which include state-mandated codes, federal-mandated codes, industry-accepted performance standards or other baseline energy performance standards, as determined by SCE. Specific restrictions may apply to each energy efficiency solution as outlined in the Policy Manual, Appendix A, Section 1, 1.4 (<http://www.sce.com/business/ems/appdownload.htm>); (5) Projects must meet all other Program requirements, terms and conditions; (6) Customer certifies that Customer will not apply or receive rebates, Incentives, or services for the Incentives covered by this Agreement in an amount greater than the total cost of the Project or solution(s) installed (including labor and

materials); and (7) Customer certifies that the energy savings components of this Project have not and will not receive any funds from any other energy conservation program funded by the PPP surcharge, the CEC or the California Public Utilities Commission ("CPUC").

5.0 SUBMITTAL REQUIREMENTS FOR PAYMENT Customer shall submit to SCE the documents described below prior to being eligible for payment of Incentives. Required documents include, but are not limited to: (1) This Agreement, fully executed and with the Customer's Program Agreement and approved PFS and all required documentation attached; (2) Complete engineering calculations to demonstrate energy savings and documentation, if applicable (including archival diskette, CD, etc.); (3) Schematic drawings and/or manufacturer specification sheets, if applicable; (4) Invoices and/or documentation detailing equipment being purchased which includes, but is not limited to, a Customer's Purchase Order to a vendor, Bill of Lading (listing equipment), and/or equipment invoice to support solution costs at SCE's request ("Proof of Payment"); (5) Project Installation Report; (6) Project Completion Certificate; and (7) Any other documents related to the Project, Project site, solutions, energy savings or otherwise requested by SCE in its sole discretion, in connection with the Program.

6.0 INSPECTIONS/SITE ACCESS Customer is solely responsible for ensuring that SCE (or its contractor) has reasonable access for all inspections, including but not limited to: (1) Pre-installation equipment inspection to examine the existing/baseline equipment and to check the accuracy of Customer's equipment survey; (2) Post-installation equipment inspection to check installed equipment and to verify accuracy of Customer's equipment survey; (3) Post-operation inspection to verify energy savings of the solutions after installed equipment has been operating, if requested by SCE; and (4) Inspection for any other reason that SCE, in its sole discretion, deems necessary.

7.0 REVIEW AND DISCLAIMER SCE'S AND/OR ITS CONTRACTOR'S AND/OR CONSULTANT'S REVIEW OF THE DESIGN, CONSTRUCTION, OPERATION OR MAINTENANCE OF THE PROJECT OR ENERGY EFFICIENCY SOLUTIONS SHALL NOT CONSTITUTE ANY REPRESENTATION AS TO THE ECONOMIC OR TECHNICAL FEASIBILITY, OPERATIONAL CAPABILITY, OR RELIABILITY OF THE PROJECT OR SOLUTIONS, NOR SHALL THE CUSTOMER, IN ANY WAY, MAKE SUCH A REPRESENTATION TO A THIRD PARTY. CUSTOMER IS SOLELY RESPONSIBLE FOR THE ECONOMIC AND TECHNICAL FEASIBILITY, CONSTRUCTION, OPERATIONAL CAPABILITY AND RELIABILITY OF CUSTOMER'S PROJECT AND SOLUTIONS. SCE MAKES NO REPRESENTATION OR WARRANTY, WHETHER STATUTORY, EXPRESS OR IMPLIED, INCLUDING, WITHOUT LIMITATION, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR ANY PARTICULAR PURPOSE, USE OR APPLICATION OF THE INSTALLED PRODUCT OR SOLUTION.

8.0 PAYMENTS OF INCENTIVES Payments of Incentives will be made only after all Program requirements are met by Customer to SCE's sole satisfaction.

8.1 SCE retains sole discretion to determine the appropriate baseline values and energy savings calculations used to determine Incentive payments. Incentives shall only be paid on Projects that meet or exceed the baseline performance standards applicable when this Agreement is signed. SCE reserves the right to modify or cancel the Incentive amount if the actual solution installed (or the actual energy savings resulting from such solution) differs from the installation as set forth in this Agreement.

8.2 The total Incentive payment under the Customized or Express Savings Approach shall not exceed the total Incentive in the Final Approved Savings Estimate (as presented in this Agreement). However, Projects may (at the discretion of SCE) be eligible for Incentive payments in excess of the Final Approved Savings Estimate if the Project results in: (a) increased actual energy savings resulting from the installation of a greater quantity of the approved solutions (the approved solutions outlined in the SCE-approved PFS), (b) increased actual energy savings resulting from greater efficiencies than estimated (such estimates as outlined in the SCE-approved PFS and/or (c) greater actual Project costs than originally estimated (applicable if the 50% Project cost cap had been applied in the original estimate). Such results in (a), (b) or (c) shall be evidenced by the Installation Report and post review of the Project (including invoices).

In addition, the total Incentive payment is limited by the following Project caps:

- 1) For Customized Solutions-Total Incentive may not exceed 50% of the total cumulative Project costs. Project costs for Customized Solutions may include costs of audits, design, engineering, construction, equipment and materials, overhead tax, shipping and labor on a per solution basis, but exclude bidding costs, marketing and Request For Proposal labor expenses.
- 2) For Express Solutions-Total Incentive per solution is 100% of the total solution cost, as listed on the Proof of Payment. Incentives are not paid above the costs listed on the Proof of Payment. Solution costs for Express Solutions include material cost only. Labor costs may be eligible for an Incentive when a vendor-installed solution is involved. Sales taxes and freight are not eligible for Incentive and may not be included in the equipment costs.
- 3) Total calendar year Incentive payments to a Project site may not exceed \$6,000,000 (Project site defined as a single free-standing building/structure, an individual utility meter, or a service account number where the retrofit or installation is taking place).

Incentive rates shall apply for the following types of retrofit projects: Lighting \$0.03/kWh; Advanced Lighting \$0.08/kWh; Non-Lighting \$0.08/kWh; and Advanced Non-Lighting \$0.15/kWh. An Incentive rate of \$100 per peak KW reduction shall also apply. Calculations shall be in accordance with the Addendum A of the Policy Manual, Section 2 (<http://www.sce.com/business/ems/appdownload.htm>). Energy Efficiency solution(s) will be evaluated using the Customized or Express Approach and/or through Measurement and Verification ("M&V").

8.3 Energy savings for which Incentives are paid cannot exceed the actual electric usage for each SCE customer service account for which Incentives are being requested. Non-SCE supply, such as cogeneration or deliveries from another commodity supplier, does not qualify as usage from SCE (with the exception of Direct Access customers or customers paying departing load fees for which SCE collects PPP surcharges).

8.4 SCE will make the applicable Incentive payment to the designated payee, in one or more installments, only after all required and/or requested documents have been submitted to, and approved by, SCE, and the appropriate inspection(s) of the Project or Project site have been completed in accordance with the rules set forth in the Policy Manual (<http://www.sce.com/business/ems/appdownload.htm>).

8.5 All Projects and/or solutions must be completely installed and fully operational one year from the date that this Agreement is executed by SCE to be eligible for Incentive payments. SCE reserves the right to cease making Incentive payment(s), require the return of the total or prorated Incentive payment(s) and/or terminate this Agreement if the Project(s) is not completely installed and fully operational within such one year period, unless an installation extension is granted by SCE in writing.

9.0 PAYMENT DISQUALIFICATION Any Incentives received by Customer shall be repaid to SCE, in whole or in part, as follows:

9.1 If Customer fails to pay the PPP surcharge throughout the Term of this Agreement. In this event, the total estimated amount of the Incentives shall be prorated and any Incentive payment shall be based on the energy savings that occur during the payment of the PPP surcharge;

9.2 If Customer does not provide SCE with 100% of the related benefits specified in this Agreement for a period of five (5) years from the SCE-approved installation date;

9.3 If the energy benefit to SCE ceases in any way, including but not limited to Customer and/or the Project site ceasing to receive electricity from SCE, the solution, equipment and/or Project ceasing to function, or Customer ceasing the use of the equipment, solution or Project site; or

9.4 Customer fails to comply with any other applicable Program requirement.

As a result of any of the foregoing, Customer shall refund a prorated amount of the Incentive to SCE that SCE, in its sole discretion, determines must be repaid, based on the actual period of time for which Customer provided the energy benefit. Customer will be solely responsible for paying the refund to SCE even if the Incentive has been released to an Authorized Third Party. Customer shall repay any Incentive amounts due to SCE within thirty (30) calendar days of notification by SCE. SCE shall be entitled to offset any amount due to SCE that remains unpaid forty (40) calendar days after SCE's written demand for payment against any payments SCE owes to Customer.

10.0 TERM AND TERMINATION The term of this Agreement shall commence on the last date that a Party executes this Agreement and shall terminate no later than five (5) years from SCE's written project Installation Report approval date, unless terminated earlier pursuant to this Agreement ("Term").

11.0 ASSIGNMENT Customer consents to SCE's assignment of all of SCE's rights, duties and obligations under this Agreement to the CPUC and/or its designee. Such assignment shall relieve SCE of all rights, duties and obligations arising under this Agreement. Other than SCE's assignment to the CPUC or its designee, neither Party shall assign its rights or delegate its duties without the prior written consent of the other Party, except in connection with the sale or merger of a substantial portion of its properties. Any such assignment or delegation without written consent shall be null and void. Consent to assignment shall not be unreasonably withheld or delayed. If an assignment is requested, Customer is obligated to provide additional information if requested by SCE.

12.0 PERMITS AND LICENSES Customer, at its own expense, shall obtain and maintain and cause its contractors and/or subcontractors to obtain and maintain licenses and permits required by federal, state, local, or other relevant governing or regulatory bodies needed to perform its work on the Project. Any failure by Customer or its contractors and/or subcontractors to maintain necessary licenses and permits constitutes a material breach of Customer's obligations under this Agreement.

13.0 ADVERTISING, MARKETING AND USE OF SCE'S NAME Customer shall not use SCE's corporate name, trademark, trade name, logo, identity or any affiliation for any reason, including soliciting customers to participate in the Project, without SCE's prior written consent. Customer shall make no representations to its customers on behalf of SCE.

14.0 INDEMNIFICATION Customer shall indemnify, defend and hold harmless, and release SCE, its affiliates, subsidiaries, parent companies, officers, directors, agents and employees, from and against all claims, demands, losses, damages, costs, expenses, and liability (legal, contractual, or otherwise), which arise from or are in any way connected with any: (i) injury to or death of persons, including but not limited to employees of SCE or Customer; (ii) injury to property or other interests of SCE, Customer, or any third party; (iii) violation of local, state, or federal common law, statute, or regulation, including but not limited to environmental laws or regulations; or (iv) strict liability imposed by any law or regulation; so long as such injury, violation, or strict liability (as set forth in (i) - (iv) above) arises from or is in any way connected with Customer's performance of, or failure to perform, this Agreement, however caused, regardless of any strict liability or negligence of SCE whether active or passive, excepting only such loss, damage, cost, expense, liability, strict liability, or violation of law or regulation that is caused by the sole negligence or willful misconduct of SCE, its officers, managers or employees.

14.1 Customer acknowledges that any claims, demands, losses, damages, costs, expenses, and legal liability that arise out of, result from, or are in any way connected with the release or spill of any legally designated hazardous material or waste as a result of the work performed under this Agreement are expressly within the scope of this indemnity, and that the costs, expenses, and legal liability for environmental investigations, monitoring, containment, abatement, removal, repair, cleanup, restoration, remedial work, penalties, and fines arising from strict liability, or violation of any local, state, or federal law or regulation, attorney's fees, disbursements, and other response costs incurred as a result of such releases or spills are expressly within the scope of this indemnity.

14.2 Customer shall, on SCE's request, defend any action, claim or suit asserting a claim that may be covered by this indemnity. Customer shall pay all costs and expenses that may be incurred by SCE in enforcing this indemnity, including reasonable attorney's fees (that may include costs allocated to SCE's in-house counsel). This indemnity shall survive the termination of this Agreement for any reason.

14.3 If this Agreement is assigned pursuant to Section 11.0, Customer agrees that this indemnification shall continue to apply to SCE and shall apply to the assignee.

15.0 LIMITATION OF LIABILITY SCE shall not be liable for any special, incidental, indirect, or consequential damages, including without limitation, loss of profits or commitments to subcontractors, and any special, incidental, indirect or consequential damages incurred by Customer.

16.0 WRITTEN NOTICE Any written notice, demand or request required or authorized in connection with this Agreement shall be deemed properly given if delivered in person or sent by facsimile, email, nationally recognized overnight courier, or first class mail, postage prepaid; to the address specified below, or to another address specified in writing by SCE.

SCE

SCE Offer Manager: Kimberly Rodriguez
 Address: 1515 Walnut Grove
 City, State, Zip: Rosemead, CA 91770
 Fax#: (626) 302-6133
 Email: kimberly.rodriguez@sce.com
 Phone: (626) 302-0515

CUSTOMER

Name: Jennifer Ares, Water Resources Manager
 Company: Yucaipa Valley Water District
 Address: 12770 2nd St.
 City, State, Zip: Yucaipa, CA 92399
 Fax#: (909) 797-6381
 Email: jares@yvwd.dst.ca.us
 Phone: (909) 790-3301

Notices shall be deemed received (a) if personally or hand-delivered, upon the date of delivery to the address of the person to receive such notice if delivered before 5:00 p.m., or otherwise on the Business Day following personal delivery; (b) if mailed, three Business Days after the date the notice is postmarked; (c) if by facsimile or email, upon electronic confirmation of transmission, followed by telephone notification of transmission by the noticing Party; or (d) if by overnight courier, on the Business Day following delivery to the overnight courier within the time limits set by that courier for next-day delivery.

17.0 CONFLICTS BETWEEN TERMS Should a conflict exist between the main body of this Agreement and the documents incorporated by reference, the main body of this Agreement shall control. Should a conflict exist in the documents incorporated by reference, the documents shall control in the following order: 1) SCE letter approving the PFS; (2) Customer's SCE-approved PFS; (3) Customer's signed Program Agreement; and (4) SCE Project Summary Form. Should a conflict exist between an applicable federal, State, or local law, rule, regulation, order or code and this Agreement, the law, rule, regulation, order or code shall control. Varying degrees of stringency among the main body of this Agreement, the documents incorporated by reference, and laws, rules, regulations, orders, or codes are not deemed conflicts, and the most stringent requirement shall control. Each Party shall notify the other immediately upon the identification of any conflict or inconsistency concerning this Agreement.

18.0 CANCELLATION OF AGREEMENT SCE may suspend or terminate the Agreement, without cause, upon written notice to the Customer.

19.0 MISCELLANEOUS The Program, Program funding, and this Agreement shall at all times be subject to such changes or modifications by the CPUC as it may from time to time

direct in the exercise of its jurisdiction. This Agreement shall be governed and construed in accordance with the laws of the State of California, without regard to its conflict of laws provisions. If any provision of this Agreement shall be held by a court of competent jurisdiction to be illegal, invalid or unenforceable, the remaining provisions shall remain in full force and effect. This Agreement constitutes the entire agreement and understanding between the Parties as to the subject matter of this Agreement and supersedes all prior agreements, representations, writings and discussions between the Parties, whether oral or written, with respect to the subject matter hereof. No amendment, modification or change to this Agreement shall be binding or effective unless expressly set forth in writing and signed by SCE's representative authorized to execute the Agreement.

IN WITNESS WHEREOF, the party hereto have caused this Agreement to be executed by the duly authorized representative as of the date set forth below

By: _____
Customer Signature

Date: _____

Print Name: _____

Title: _____

Payment Information and Customer Acknowledgement

Complete the section below to let us know how you would like to be paid:

A. FORM OF PAYMENT (Please check one) Check here if Payee information is same as Section 1, Part A (if Payee Customer) or Part B (if Payee is Customer's Authorized Agent). Complete below if Payee Name should be different on the Incentive check.

Incentive Check to Customer (Complete 2 and C.)

Utility Bill Credit to Customer (Complete C. and D.)

Incentive Check to third-party Payee (e.g., contractor) (Complete B, C, and E. Note: Provide third party Payee information in Section C.)

Payee Contact Name (Name (Last, First, Middle Initial)) *Address to be printed on check. (Last only is required.)*

Yucaipa Valley Water District

Company/Agent's Email Address

City State Zip

Yucaipa CA 92399

Contact Person Position

(909) 790-3301 James@yuwd.dsf.ca.us

Understand that incentives may be subject to income tax, and if greater than \$1,000, will be reported to the IRS unless the payee (i.e., the party receiving the incentive) is exempt. As part of our offered Incentive package, the payee will be required to submit to SCE a complete W-9 (request for Taxpayer Identification Number and Certification) and CA-350 (California Withholding Exemption Certificate) to confirm their tax status. SCE could report incentive as income on IRS form 1099 based on tax forms reflected on W-9 and CA-350. Understand that payee should consult their tax advisor concerning the taxability of incentives, and that SCE is not responsible for any taxes that may be imposed due to program incentive payments.

D. UTILITY BILL CREDIT IF YOU PREFER PAYMENT IN THE FORM OF A BILL CREDIT TO THE CUSTOMER OF RECORD, COMPLETE THIS SECTION)

Select Account Number

3																	
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E. PAYMENT RELEASE AUTHORIZATION (PLEASE COMPLETE THIS SECTION IF A CUSTOMER'S AUTHORIZED AGENT IS TO RECEIVE THE CHECK)

As the Customer, I am authorizing the payment of my incentive to the Payee named in sections B, Part B, above, and I understand that I will not be receiving the incentive, check, from SCE. I also understand that my receipt of this payment to the Payee does not constitute approval to the Applicant's package.

Customer Name (Please Print)	Signature	Title	Date
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Application Check List - Required documentation to be submitted with your completed application. Refer to the Solutions Directory for an expanded Application Check List (www.sce.com/applicationsandtools).

- Payees** (Section 9, Part B of this application) must submit a completed W-9 and CA-590. If Payee is an SCE Partnership partner, only submit a completed W-9.
- Customer's Authorized Agents** (Section 1, Part B of this application) must submit a completed Customer's Authorized Agent Agreement (learn more at www.sce.com/contractor).
- For all Projects/Solutions** (Express, Customized, and Auto-DR Technology Incentives), you must submit:
 - Tax ID Information** — For the party receiving incentives ("Payee")
 - Proof of Payment** — Submit either an Invoice/Store Receipt, a Purchase Order, or a Lease Agreement. See below for what each must include.
 - Spec Sheets** — For each solution.

Invoice/Store Receipt must include:

- Date of Purchase
- Full description of new equipment
- A line item that subtracts SCE's incentives amount from the Total Project Costs, when the Payee is the Customer's Authorized Agent
- Payment status (paid or payment terms)

Purchase Order must include:

- Date of order or delivery
- Payment terms
- Customer's (Section 1A, Part A) signature

Lease Agreement must include:

- Lease start date and length
- Payment terms
- Customer's (Section 1A, Part A) signature

4. For Customized Solutions, you must also provide:

Calculations in the original, editable file format — Do not include hand written calculations

Note: Calculations are automatically attached when using the Online Application's Solutions Calculation Wizard. For a list of preferred tools for calculations, go to www.sce.com/customized_solutions.

5. Additional attachments required for some solutions (e.g., air compressors for process and pumping, lighting, PC software, etc.) Review the eligibility requirements carefully.

NEXT PAGE

Contact your SCE Account Representative, or call (800) 736-4777 if you have questions or need assistance.

Applicant Agreement Regarding Program Terms and Conditions

I, the Applicant (and Customer's Authorized Agent of the Applicant, if applicable), hereby agree (the "Agreement") to the following terms and conditions to my participation in: (1) Express Solutions' Program, (2) Customized Solutions' Program, and (3) Automated Demand Response (ADR) Program. The Programs are identified and further described in the application materials to this Application, and also in the 2012-2014 Express Solutions Manual for Program Participants (the "Manual"), the 2012-2014 Automated Demand Response Manual for Program Participants (the "ADR Manual"), and the 2012 Automated Demand Response Program Guidelines (the "Guidelines"), as applicable.

1. **Representation of Accuracy.** The Applicant hereby represents and warrants that all information provided by Applicant is true and accurate.
2. **Representation of Authority.** The Applicant hereby represents and warrants that it is a duly organized and existing legal entity, and that it is authorized to enter into this Agreement on behalf of the Applicant. The Applicant hereby represents and warrants that it is authorized to enter into this Agreement on behalf of the Applicant. The Applicant hereby represents and warrants that it is authorized to enter into this Agreement on behalf of the Applicant.
3. **Customer's Authorized Agent.** The Applicant hereby represents and warrants that the Customer's Authorized Agent is authorized to enter into this Agreement on behalf of the Applicant. The Applicant hereby represents and warrants that the Customer's Authorized Agent is authorized to enter into this Agreement on behalf of the Applicant.
4. **Right of Assignment.** The Applicant hereby represents and warrants that it is not prohibited by any applicable law, regulation, or contract from assigning its rights and obligations under this Agreement to any third party. The Applicant hereby represents and warrants that it is not prohibited by any applicable law, regulation, or contract from assigning its rights and obligations under this Agreement to any third party.
5. **Assignment of Rights.** The Applicant hereby represents and warrants that it is not prohibited by any applicable law, regulation, or contract from assigning its rights and obligations under this Agreement to any third party. The Applicant hereby represents and warrants that it is not prohibited by any applicable law, regulation, or contract from assigning its rights and obligations under this Agreement to any third party.
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12. **Assignment of Rights.** The Applicant hereby represents and warrants that it is not prohibited by any applicable law, regulation, or contract from assigning its rights and obligations under this Agreement to any third party. The Applicant hereby represents and warrants that it is not prohibited by any applicable law, regulation, or contract from assigning its rights and obligations under this Agreement to any third party.
13. **Assignment of Rights.** The Applicant hereby represents and warrants that it is not prohibited by any applicable law, regulation, or contract from assigning its rights and obligations under this Agreement to any third party. The Applicant hereby represents and warrants that it is not prohibited by any applicable law, regulation, or contract from assigning its rights and obligations under this Agreement to any third party.
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MUST BE COMPLETED BY APPLICANT

15. **Provide complete and accurate information.**
16. **Provide complete and accurate information.**
17. **Provide complete and accurate information.**

Signature: _____

Signature: _____

Facility	Rate	Time	Time

SEND TO: Southern California Edison, Business Incentives
 P.O. Box 800, Rosemead, CA 91770-0800
 Fax: 626-633-3243 | E-mail: BusinessIncentives@sce.com
 Questions? 800-736-4777



Eligibility

To qualify for the OBF program, Customer must receive an incentive and/or rebate through SCE pursuant to an Eligible Program. Customer must satisfy all requirements of each selected Eligible Program, including but not limited to execution of such Eligible Program's incentive application (detailed below) and, if applicable, an Eligible Program agreement (see OBF Application Process, A. below). The applicable Energy Management Solutions Incentives Application(s) for Business Customers or Energy Management Solutions Incentives Application for State of California Partnership (both referred to as "Incentive Application") executed by Customer are hereby incorporated into this OBF Application by this reference. If there is any conflict between the terms and conditions of any Eligible Program Incentive Application and the terms and conditions of this OBF Application or On-Bill Financing Loan Agreement, the terms and conditions of this OBF Application and the On-Bill Financing Loan Agreement shall control.

To qualify for the OBF program, Customer must also satisfy each of the following conditions:

- A. Customer must be an existing commercial, industrial, agricultural, government or institutional customer of SCE.
- B. Customer must have been an SCE customer in the same business (i.e., maintained an active SCE account) for at least 24 consecutive months prior to the start of participation in OBF.
- C. Customer must be in good credit standing with SCE including: (1) no disconnect notice in the past 12 months; (2) no 48-hour shut-off notices in the past 12 months; (3) no returned payments in the past 12 months; and (4) not have a deposit on its account to establish or reestablish credit in the past 12 months.

OBF Application Process

Applying customers must follow these steps:

- A. Customer or Customer's Authorized Agent, if designated, must submit a completed and signed Energy Management Solutions Incentives Application for Business Customers or Energy Management Solutions Incentives Application for State of California Partnership (both referred to as "Incentive Application") along with this 2013 On-Bill Financing Application. Submit both the Incentive Application and this OBF Application online at www.sceonlineapp.com.⁵ SCE will use both applications to determine if Customer is eligible to participate in the OBF program based on Customer's SCE utility bill payment history and the incentive eligibility of selected energy efficiency Solutions. Incomplete or incorrect applications cannot be processed. Electronic, scanned or facsimile signatures may be used for the purposes of enforcing the terms of this Application as though they were originals. Customer may withdraw this OBF Application for any reason by providing SCE with a written notice of such withdrawal.
- B. An SCE engineer or approved third-party reviewer will review the Incentive Application, including an inspection of Customer's existing equipment. If the existing equipment has been removed, Customer's project will not be eligible for OBF funding, and may not qualify for an SCE rebate/incentive under an Eligible Program.
- C. If Customer meets the OBF eligibility requirements and Customer's proposed Solutions set forth in the Incentive Application qualify for rebates and/or incentives, then SCE will reserve OBF loan funds based on the eligible Solutions. When the applicable requirements are met, SCE will consolidate multiple service accounts into one individual OBF loan to provide Customer with the convenience of only one OBF loan rather than multiple OBF loans. A reservation of funding does not guarantee loan funding. Funding shall occur only upon satisfaction of all requirements set forth in this OBF Application. If the OBF Application is denied, SCE will provide Customer and Customer's Authorized Agent (if applicable) with a written statement of the specific reasons for the denial within 30 days of the denial.

(continued)

⁵ For customers without capability to submit this OBF Application online, the Incentive Application and this OBF Application may be submitted by mail to Southern California Edison, Business Incentives, P.O. Box 800, Rosemead, CA 91770, by email to BusinessIncentives@sce.com or by fax to 626-633-3243.

Effective date January 1, 2013

SEND TO: Southern California Edison, Business Incentives
 P.O. Box 800, Rosemead, CA 91770-0800
 Fax: 626-633-3243 | E-mail: BusinessIncentives@sce.com
 Questions? 800-736-4777



OBF Application Process *(continued)*

- D. Upon notice from SCE of qualification for OBF and reservation of funding, Customer will schedule and install the SCE-approved Solution(s) and when completed, shall submit to SCE a project "Installation Report," along with an itemized proof of purchase, including purchase and installation dates along with specification sheet(s) for the installed Solution(s).
- E. SCE will complete a technical review, including a post-installation inspection of the eligible installed Solution(s). The final loan amount will be re-calculated by SCE at completion and final approval of installation to reflect any changes in the actual installed costs, incentive amount, expected useful life, or estimated energy savings of the Solutions.
- F. Customer will review, sign and have notarized the On-Bill Financing Loan Agreement provided by SCE specifying Customer's obligations for repayment and all other terms and conditions, and shall submit it to SCE.
- G. Upon receipt of the On-Bill Financing Loan Agreement and satisfaction of all remaining OBF program requirements and the selected Eligible Program requirements, SCE will process payment of Customer's OBF loan funds and issue a loan check payable to Customer (or Customer's Authorized Agent contracting on behalf of Customer and designated in this OBF Application) to be sent by mail.
- H. The initial OBF monthly loan installment will appear on Customer's SCE bill within sixty (60) days of the effective date of the On-Bill Financing Loan Agreement and will continue for the term of the loan or until the loan balance is paid off, or as may otherwise be provided in the On-Bill Financing Loan Agreement.

DISCLAIMER: THE FEDERAL EQUAL CREDIT OPPORTUNITY ACT PROHIBITS CREDITORS FROM DISCRIMINATING AGAINST CREDIT CUSTOMERS ON THE BASIS OF RACE, COLOR, RELIGION, NATIONAL ORIGIN, SEX, MARITAL STATUS, AGE (PROVIDED CUSTOMER HAS THE CAPACITY TO ENTER INTO A BINDING CONTRACT); BECAUSE ALL OR PART OF CUSTOMER'S INCOME DERIVES FROM ANY PUBLIC ASSISTANCE PROGRAM; OR BECAUSE CUSTOMER HAS IN GOOD FAITH EXERCISED ANY RIGHT UNDER THE CONSUMER CREDIT PROTECTION ACT. THE FEDERAL AGENCY THAT ADMINISTERS COMPLIANCE WITH THIS LAW CONCERNING THIS CREDITOR IS THE FEDERAL TRADE COMMISSION, EQUAL CREDIT OPPORTUNITY, WASHINGTON, DC 20580.

Effective date January 1, 2013

SEND TO: Southern California Edison, Business Incentives
 P.O. Box 800, Rosemead, CA 91770-0800
 Fax: 626-633-3243 | E-mail: BusinessIncentives@sce.com
 Questions? 800-736-4777



2013 On-Bill Financing Application

This On-Bill Financing (OBF) Application, along with an Incentive Application (defined herein) must be submitted and approved **prior** to purchasing or installing your equipment. Approval of this Application does not guarantee funding. OBF Loan funding requires completed installation of equipment and fulfillment of all terms and conditions contained in this Application. Please read all terms and conditions of this Application carefully before signing, and contact your SCE representative or Contractor for further information.

Customer Information	
Company/Business Name Yucaipa Valley Water District	
Company/Business Mailing Address 12770 2nd St. Yucaipa, CA 92399	
Authorized Company/Business Representative Name Jennifer Ares	Title Water Resources Manager
SCE Account Representative Name (If applicable) Amy Olson	

Customer's Authorized Agent Information (Contractor designated in Section 1b of the Incentive Application — If applicable)	
Customer's Authorized Agent Company Name Lincus, Inc	
Customer's Authorized Agent Mailing Address 222 E Huntington Dr., Suite 110, Monrovia, CA 91016	
Customer's Authorized Agent Representative Name Fiefa Vu	Title Project Development Engineer

Project Site Information				
Please complete this table, indicating all the Service Account(s) included in your Energy Efficiency project. List each Service Account separately (i.e., one Service Account per line). The Service Accounts listed on this Table should match all the Service Accounts listed on the Incentive Application.				
Service Account#	Customer Account #	Estimates		
		Project Cost	kWh Savings*	Incentive
131605	5125125	\$462,200	768,131.16	\$74,467.76
450248	5125125	\$5,200	23,087.68	\$2,387.65
450232	5125125	\$43,750	118,146.67	\$12,134.49

*Only required for Customized measures

Effective date January 1, 2013

SEND TO: **Southern California Edison, Business Incentives**
P.O. Box 800, Rosemead, CA 91770-0800
Fax: 626-633-3243 | E-mail: BusinessIncentives@sce.com
Questions? 800-736-4777



Program Description

The On-Bill Financing (OBF) program is offered by Southern California Edison Company (SCE) to qualified SCE non-residential service customers (Customer) to offset the cost of purchasing and installing eligible energy efficiency equipment (Solutions). Through OBF, qualified Customers will receive zero percent (0%) interest, no-fee, unsecured financing for Solutions for which incentives and rebates are approved under an eligible SCE energy efficiency program (Eligible Program).¹

Financing is available to qualified Customers for up to one hundred percent (100%) of the total approved, actual installed costs of approved Solutions, less rebates or incentives received from SCE under applicable Eligible Program(s). The minimum loan amount per service account available through OBF is five thousand dollars (\$5,000). The maximum OBF loan amount available per service account is (i) two hundred fifty thousand dollars (\$250,000) for government and institutional taxpayer-funded Customers, and (ii) one hundred thousand dollars (\$100,000) for commercial Customers,² including general business, industrial and agricultural entities.

Customers may qualify for multiple loans under OBF provided the aggregate dollar amount of the loans does not exceed the maximum OBF loan amount per service account stated above.³

The maximum loan term for a taxpayer-funded government or institutional Customer is ten (10) years (or the expected useful life⁴ of the installed Solutions, whichever is shorter). The maximum loan term for a commercial Customer is five (5) years (or the expected useful life of the installed Solutions, whichever is shorter). The monthly loan repayment amount will be approximately equal to the estimated monthly dollar savings Customer is expected to receive through their SCE utility bill due to the Solution's estimated energy savings.

The fixed monthly loan repayment will be invoiced as a line item on Customer's SCE bill. In no event will Customer be entitled to receive a loan amount in excess of one hundred percent (100%) of the total approved, actual installed Solution costs, less rebates or incentives received for such Solutions under the Eligible Program(s). If the projected loan term is beyond the OBF loan term limit or exceeds the installed Solutions' expected useful life, a loan of a lesser amount may be approved at SCE's sole discretion.

The OBF program has a limited budget. SCE will accept this On-Bill Financing Application (OBF Application) from qualified SCE Customers and will reserve funds on a first-approved, first-served basis until funds are depleted or the OBF program is terminated, whichever occurs first.

This OBF Application is for approval of a reservation of loan funds only. Issuance of OBF loan funds is conditioned on Customer's installation of approved Solutions in accordance with the selected Eligible Program(s), satisfaction of all Eligible Program requirements, and execution by Customer of the On-Bill Financing Loan Agreement.

The terms and conditions of SCE's OBF program may be modified or terminated without prior notice.

¹ Eligible Programs include SCE's Express Solutions pending (not yet installed), Customized Solutions, and rebate/incentive offerings under SCE's Third-Party and Partnership Programs. See www.sce.com/onbill for details. Demand Response Technology Incentives Program is not an Eligible Program. To ensure eligibility of a planned Solution(s) please review the Express Solution and Customized Solutions eligibility requirements in the Energy Management Solutions Directory at www.sce.com/Solutions.

² A taxpayer-funded Customer is defined as a Customer using tax revenue to pay utility bills associated with a service account, included but not limited to cities, counties, public or state-funded schools, public libraries and government offices.

³ A taxpayer-funded Customer is allowed to designate one Service Account to receive loan amounts up to \$1 million, either as a single loan, or as a total of multiple loans for that Service Account.

⁴ The expected useful life (EUL) of a Solution is an average length of time a Solution may be operational, based on historical analysis. If there is more than one Solution installed, the EUL of all installed Solutions will be that of the Solution which contributes the greatest kWh savings for the project.

Effective date January 1, 2013

SEND TO: Southern California Edison, Business Incentives
 P.O. Box 800, Rosemead, CA 91770-0800
 Fax: 626-633-3243 | E-mail: BusinessIncentives@sce.com
 Questions? 800-736-4777



Verification and Certification	
<p>I, Customer and applicant hereunder, affirm I have read, understand and agree to all of the specific OBF terms, conditions and other requirements and restrictions set forth in this OBF Application. I certify that all of the information I have provided in this OBF Application is true, correct and complete. I understand I must meet all eligibility criteria and requirements of both the OBF program and my selected Eligible Program(s) in order to participate in OBF. I understand SCE reserves the right to request additional information to verify my eligibility for OBF.</p>	
Signature of Customer X	Date
Signature of Customer's Authorized Agent (if applicable) X	Date
<p>I, as Customer and applicant, further certify if a Customer's Authorized Agent is listed above, I have entered into a contract with said Customer's Authorized Agent for the installation of energy efficiency Solutions at the project site listed above. I understand that: (1) SCE makes no warranty or representation about the Customer's Authorized Agent's qualifications; (2) I am solely responsible for selecting Customer's Authorized Agent to implement the project on my behalf; (3) Customer's Authorized Agent is an independent contractor and not authorized to make any representations on behalf of SCE; and (4) SCE will have no role in resolving any disputes between me, Customer's Authorized Agent, and/or any other third parties. I further authorize all contracts and correspondence to be sent directly to Customer's Authorized Agent specified above. I further authorize Customer's Authorized Agent to request and receive from SCE the customer account information for the SCE account(s) listed in this Application, including billing records, billing history, meter usage data, verification of balances on the account(s), discontinuance notices, and verification of rate and related information, and to schedule any required inspections by SCE at the project site in connection with this OBF Application or the Eligible Program(s).</p>	
Signature of Customer X	Date
<p>Form of Payment</p> <p><input checked="" type="checkbox"/> OBF Loan Funds to Customer</p> <p><input type="checkbox"/> OBF Loan Funds to Customer's Authorized Agent</p> <p>Payment Release</p> <p>As Customer, I authorize the payment of my OBF Loan Funds to Customer's Authorized Agent specified above, and I understand I will not be receiving the OBF check from SCE. I also understand my release of this payment to Customer's Authorized Agent does not exempt me from the requirements outlined in this OBF Application.</p>	
Signature of Customer X	Date

PLEASE MAKE A COPY OF THIS DOCUMENT FOR YOUR RECORDS

The OBF program is funded by California utility customers and administered by Southern California Edison under the auspices of the California Public Utilities Commission.

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 NR-413-V2-0213
 C-2942

Effective date January 1, 2013



2013 On-Bill Financing Application

This On-Bill Financing (OBF) Application, along with an Incentive Application (defined herein) must be submitted and approved *prior* to purchasing or installing your equipment. Approval of this Application does not guarantee funding. OBF Loan funding requires completed installation of equipment and fulfillment of all terms and conditions contained in this Application. Please read all terms and conditions of this Application carefully before signing, and contact your SCE representative or Contractor for further information.

Customer Information

Yucaipa Valley Water District
Company/ Business Name

12770 2nd St., Yucaipa , CA 92399
Company/Business Mailing Address

Jennifer Ares
Authorized Company/Business Representative Name
SCE Account Representative Name (If applicable)

Water Resource Manager
Title

Customer's Authorized Agent Information (Contractor designated in Section 1b of the Incentive Application - If applicable)

The Energy Coalition
Customer's Authorized Agent Company Name

47 Discovery , Irvine, CA 92618
Customer's Authorized Agent Mailing Address

James Ferro
Customer's Authorized Agent Representative Name

Title

Project Site Information

Please complete this table, indicating all the Service Account(s) included in your Energy Efficiency project. List each Service Account separately (i.e., one Service Account per line). The Service Accounts listed on this Table should match all the Service Accounts listed on the Incentive Application.

Service Account #	Customer Account #	Project Cost	Estimates	
			kWh Savings*	Incentive
3-000-4502-45	2-00-512-5125	\$15,550.00	0.0	\$1,732.00
3-029-1251-12	2-00-512-5125	\$11,734.00	0.0	\$569.00
3-000-1316-05	2-00-512-5125	\$10,994.00	0.0	\$1,922.00

*Only required for Customized measures

Program Description

The On-Bill Financing (OBF) program is offered by Southern California Edison Company (SCE) to qualified SCE non-residential service customers (Customer) to offset the cost of purchasing and installing eligible energy efficiency equipment (Solutions). Through OBF, qualified Customers will receive zero percent (0%) interest, no-fee, unsecured financing for Solutions for which incentives and rebates are approved under an eligible SCE energy efficiency program (Eligible Program).¹

Financing is available to qualified Customers for up to one hundred percent (100%) of the total approved, actual installed costs of approved Solutions, less rebates or incentives received from SCE under applicable Eligible Program(s). The minimum loan amount per service account available through OBF is five thousand dollars (\$5,000). The maximum OBF loan amount available per service account is (i) two hundred fifty thousand dollars (\$250,000) for government and institutional taxpayer-funded Customers, and (ii) one hundred thousand dollars (\$100,000) for commercial Customers², including general business, industrial and agricultural entities.

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- B. An SCE engineer or approved third-party reviewer will review the Incentive Application, including an inspection of Customer's existing equipment. If the existing equipment has been removed, Customer's project will not be eligible for OBF funding, and may not qualify for an SCE rebate/incentive under an Eligible Program.
- C. If Customer meets the OBF eligibility requirements and Customer's proposed Solutions set forth in the Incentive Application qualify for rebates and/or incentives, then SCE will reserve OBF loan funds based on the eligible Solutions. When the applicable requirements are met, SCE will consolidate multiple service accounts into one individual OBF loan to provide Customer with the convenience of only one OBF loan rather than multiple OBF loans. A reservation of funding does not guarantee loan funding. Funding shall occur only upon satisfaction of all requirements set forth in this OBF Application. If your OBF Application is denied, SCE will provide Customer and Customer's Authorized Agent (*if applicable*) with a written statement of the specific reasons for the denial within 30 days of the denial.

⁵ For customers without capability to submit this OBF Application online, the Incentive Application and this OBF Application may be submitted by mail to Southern California Edison, Business Incentives, P.O. Box 800, Rosemead, CA 91770, by email to BusinessIncentives@sce.com or by fax to 626-633-3243.

OBF Application Process *(continued)*

- D. Upon notice from SCE of qualification for OBF and reservation of funding, Customer will schedule and install the SCE-approved Solution(s) and when completed, shall submit to SCE a project "Installation Report," along with an itemized proof of purchase, including purchase and installation dates along with specification sheet(s) for the installed Solution(s).
- E. SCE will complete a technical review, including a post-installation inspection of the eligible installed Solution (s). The final loan amount will be re-calculated by SCE at completion and final approval of installation to reflect any changes in the actual installed costs, incentive amount, expected useful life, or estimated energy savings of the Solutions.
- F. Customer will review, sign and have notarized the On-Bill Financing Loan Agreement provided by SCE specifying Customer's obligations for repayment and all other terms and conditions, and shall submit it to SCE.
- G. Upon receipt of the On-Bill Financing Loan Agreement and satisfaction of all remaining OBF program requirements and the selected Eligible Program requirements, SCE will process payment of Customer's OBF loan funds and issue a loan check payable to Customer (or Customer's Authorized Agent contracting on behalf of Customer and designated in this OBF Application) to be sent by mail.
- H. The initial OBF monthly loan installment will appear on Customer's SCE bill within sixty (60) days of the effective date of the On-Bill Financing Loan Agreement and will continue for the term of the loan or until the loan balance is paid off, or as may otherwise be provided in the On-Bill Financing Loan Agreement.

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Verification and Certification

I, Customer and applicant hereunder, affirm I have read, understand and agree to all of the specific OBF terms, conditions and other requirements and restrictions set forth in this OBF Application. I certify that all of the information I have provided in this OBF Application is true, correct and complete. I understand I must meet all eligibility criteria and requirements of both the OBF Program and my selected Eligible Program(s) in order to participate in OBF. I understand SCE reserves the right to request additional information to verify my eligibility for OBF.

Signature of Customer

Date

Signature of Customer's Authorized Agent (if applicable)

Date

I, as Customer and applicant, further certify if a Customer's Authorized Agent is listed above, I have entered into a contract with said Customer's Authorized Agent for the installation of energy efficiency Solutions at the project site listed above. I understand that: (1) SCE makes no warranty or representation about the Customer's Authorized Agent's qualifications; (2) I am solely responsible for selecting Customer's Authorized Agent to implement the project on my behalf; (3) Customer's Authorized Agent is an independent contractor and not authorized to make any representations on behalf of SCE; and (4) SCE will have no role in resolving any disputes between me, Customer's Authorized Agent, and/or any other third parties. I further authorize all contracts and correspondence to be sent directly to Customer's Authorized Agent specified above. I further authorize Customer's Authorized Agent to request and receive from SCE the customer account information for the SCE account(s) listed in this Application, including billing records, billing history, meter usage date, verification of balances on the account(s), discontinuance notices, and verification of rate and related information, and to schedule any required inspections by SCE at the project site in connection with this OBF Application or the Eligible Program(s).

Signature of Customer

Date

Form of Payment

- OBF Loan Funds to Customer
- OBF Loan Funds to Customer's Authorized Agent

Payment Release

As Customer, I authorize the payment of my OBF Loan Funds to Customer's Authorized Agent specified above, and I understand I will not be receiving the OBF check from SCE. I also understand my release of this payment to Customer's Authorized Agent does not exempt me from the requirements outlined in this OBF Application.

Signature of Customer

Date

PLEASE MAKE A COPY OF THIS DOCUMENT FOR YOUR RECORDS

*The OBF Program is funded by California utility customers and administered by Southern California Edison under the auspices of the California Public Utilities Commission.
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2013 On-Bill Financing Application

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Customer Information

Yucaipa Valley Water District

Company/ Business Name

12770 2nd St., Yucaipa , CA 92399

Company/Business Mailing Address

Jennifer Ares

Authorized Company/Business Representative Name

SCE Account Representative Name (If applicable)

Water Resource Manager

Title

Customer's Authorized Agent Information (Contractor designated in Section 1b of the Incentive Application - If applicable)

The Energy Coalition

Customer's Authorized Agent Company Name

47 Discovery , Irvine, CA 92618

Customer's Authorized Agent Mailing Address

James Ferro

Customer's Authorized Agent Representative Name

Title

Project Site Information

Please complete this table, indicating all the Service Account(s) included in your Energy Efficiency project. List each Service Account separately (i.e., one Service Account per line). The Service Accounts listed on this Table should match all the Service Accounts listed on the Incentive Application.

<u>Service Account #</u>	<u>Customer Account #</u>	<u>Estimates</u>		
		<u>Project Cost</u>	<u>kWh Savings*</u>	<u>Incentive</u>
3-000-1316-05	2-00-512-5125	\$21,951.00	4,087.0	\$1,206.96
3-000-4502-45	2-00-512-5125	\$27,726.00	0.0	\$610.00

*Only required for Customized measures

Program Description

The On-Bill Financing (OBF) program is offered by Southern California Edison Company (SCE) to qualified SCE non-residential service customers (Customer) to offset the cost of purchasing and installing eligible energy efficiency equipment (Solutions). Through OBF, qualified Customers will receive zero percent (0%) interest, no-fee, unsecured financing for Solutions for which incentives and rebates are approved under an eligible SCE energy efficiency program (Eligible Program).¹

Financing is available to qualified Customers for up to one hundred percent (100%) of the total approved, actual installed costs of approved Solutions, less rebates or incentives received from SCE under applicable Eligible Program(s). The minimum loan amount per service account available through OBF is five thousand dollars (\$5,000). The maximum OBF loan amount available per service account is (i) two hundred fifty thousand dollars (\$250,000) for government and institutional taxpayer-funded Customers, and (ii) one hundred thousand dollars (\$100,000) for commercial Customers², including general business, industrial and agricultural entities.

Customers may qualify for multiple loans under OBF provided that the aggregate dollar amount of the loans does not exceed the maximum OBF loan amount per service account stated above³.

The maximum loan term for a taxpayer-funded government or institutional Customer is ten (10) years (or the expected useful life⁴ of the installed Solutions, whichever is shorter). The maximum loan term for a commercial Customer is five (5) years (or the expected useful life of the installed Solutions, whichever is shorter). The monthly loan repayment amount will be approximately equal to the estimated monthly dollar savings Customer is expected to receive through their SCE utility bill due to the Solution's estimated energy savings.

The fixed monthly loan repayment will be invoiced as a line item on Customer's SCE bill. In no event will Customer be entitled to receive a loan amount in excess of one hundred percent (100%) of the total approved, actual installed Solution costs, less rebates or incentives received for such Solutions under the Eligible Program (s). If the projected loan term is beyond the OBF loan term limit or exceeds the installed Solutions' expected useful life, a loan of a lesser amount may be approved at SCE's sole discretion.

The OBF program has a limited budget. SCE will accept this On-Bill Financing Application (OBF Application) from qualified SCE Customers and will reserve funds on a first-approved, first-served basis until funds are depleted or the OBF program is terminated, whichever occurs first.

This OBF Application is for approval of a reservation of loan funds only. Issuance of OBF loan funds is conditioned on Customer's installation of approved Solutions in accordance with the selected Eligible Program (s), satisfaction of all Eligible Program requirements, and execution by Customer of the On-Bill Financing Loan Agreement.

The terms and conditions of SCE's OBF program may be modified or terminated without prior notice.

¹ Eligible Programs include SCE's Express Solutions pending (not yet installed), Customized Solutions, and rebate/incentive offerings under SCE's Third-Party and Partnership Programs. See www.sce.com/onbill for details. Demand Response Technology Incentives Program is not an Eligible Program. To ensure eligibility of a planned Solution(s) please review the Express Solution and Customized Solutions eligibility requirements in the Energy Management Solutions Directory at www.sce.com/Solutions.

² A taxpayer-funded Customer is defined as a Customer using tax revenue to pay utility bills associated with a service account, included but not limited to cities, counties, public or state-funded schools, public libraries and government offices.

³ A taxpayer-funded Customer is allowed to designate one Service Account to receive loan amounts up to \$1 million, either as a single loan, or as a total of multiple loans for that Service Account.

⁴ The expected useful life (EUL) of a Solution is an average length of time a Solution may be operational, based on historical analysis. If there is more than one Solution installed, the EUL of all installed Solutions will be that of the Solution which contributes the greatest kWh savings for the project.

Eligibility

To qualify for the OBF program, Customer must receive an incentive and/or rebate through SCE pursuant to an Eligible Program. Customer must satisfy all requirements of each selected Eligible Program, including but not limited to execution of such Eligible Program's incentive application (detailed below) and, if applicable, an Eligible Program agreement (see OBF Application Process, A. below). The applicable Energy Management Solutions Incentives Application(s) for Business Customers or Energy Management Solutions Incentives Application for State of California Partnership (both referred to as "Incentive Application") executed by Customer are hereby incorporated into this OBF Application by this reference. If there is any conflict between the terms and conditions of any Eligible Program Incentive Application and the terms and conditions of this OBF Application or On-Bill Financing Loan Agreement, the terms and conditions of this OBF Application and the On-Bill Financing Loan Agreement shall control.

To qualify for the OBF Program, Customer must also satisfy each of the following conditions:

- A. Customer must be an existing commercial, industrial, agricultural, government or institutional customer of SCE.
- B. Customer must have been an SCE customer in the same business (i.e., maintained an active SCE account) for at least 24 consecutive months prior to the start of participation in OBF.
- C. Customer must be in good credit standing with SCE including: (1) no disconnect notice in the past 12 months; (2) no 48-hour shut-off notices in the past 12 months; (3) no returned payments in the past 12 months; and (4) not have a deposit on its account to establish or reestablish credit in the past 12 months.

OBF Application Process

Applying Customers must follow these steps:

- A. Customer or Customer's Authorized Agent, if designated, must submit a completed and signed Energy Management Solutions Incentives Application for Business Customers or Energy Management Solutions Incentives Application for State of California Partnership (both referred to as "Incentive Application") along with this 2013 On-Bill Financing Application. Submit both the Incentive Application and this OBF Application online at www.sceonlineapp.com⁵. SCE will use both applications to determine if Customer is eligible to participate in the OBF program based on Customer's SCE utility bill payment history and the incentive eligibility of selected energy efficiency Solutions. Incomplete or incorrect applications cannot be processed. Electronic, scanned or facsimile signatures may be used for the purposes of enforcing the terms of this Application as though they were originals. Customer may withdraw this OBF Application for any reason by providing SCE with a written notice of such withdrawal.
- B. An SCE engineer or approved third-party reviewer will review the Incentive Application, including an inspection of Customer's existing equipment. If the existing equipment has been removed, Customer's project will not be eligible for OBF funding, and may not qualify for an SCE rebate/incentive under an Eligible Program.
- C. If Customer meets the OBF eligibility requirements and Customer's proposed Solutions set forth in the Incentive Application qualify for rebates and/or incentives, then SCE will reserve OBF loan funds based on the eligible Solutions. When the applicable requirements are met, SCE will consolidate multiple service accounts into one individual OBF loan to provide Customer with the convenience of only one OBF loan rather than multiple OBF loans. A reservation of funding does not guarantee loan funding. Funding shall occur only upon satisfaction of all requirements set forth in this OBF Application. If your OBF Application is denied, SCE will provide Customer and Customer's Authorized Agent (*if applicable*) with a written statement of the specific reasons for the denial within 30 days of the denial.

⁵ For customers without capability to submit this OBF Application online, the Incentive Application and this OBF Application may be submitted by mail to Southern California Edison, Business Incentives, P.O. Box 800, Rosemead, CA 91770, by email to BusinessIncentives@sce.com or by fax to 626-633-3243.

OBF Application Process *(continued)*

- D. Upon notice from SCE of qualification for OBF and reservation of funding, Customer will schedule and install the SCE-approved Solution(s) and when completed, shall submit to SCE a project "Installation Report," along with an itemized proof of purchase, including purchase and installation dates along with specification sheet(s) for the installed Solution(s).
- E. SCE will complete a technical review, including a post-installation inspection of the eligible installed Solution(s). The final loan amount will be re-calculated by SCE at completion and final approval of installation to reflect any changes in the actual installed costs, incentive amount, expected useful life, or estimated energy savings of the Solutions.
- F. Customer will review, sign and have notarized the On-Bill Financing Loan Agreement provided by SCE specifying Customer's obligations for repayment and all other terms and conditions, and shall submit it to SCE.
- G. Upon receipt of the On-Bill Financing Loan Agreement and satisfaction of all remaining OBF program requirements and the selected Eligible Program requirements, SCE will process payment of Customer's OBF loan funds and issue a loan check payable to Customer (or Customer's Authorized Agent contracting on behalf of Customer and designated in this OBF Application) to be sent by mail.
- H. The initial OBF monthly loan installment will appear on Customer's SCE bill within sixty (60) days of the effective date of the On-Bill Financing Loan Agreement and will continue for the term of the loan or until the loan balance is paid off, or as may otherwise be provided in the On-Bill Financing Loan Agreement.

DISCLAIMER: THE FEDERAL EQUAL CREDIT OPPORTUNITY ACT PROHIBITS CREDITORS FROM DISCRIMINATING AGAINST CREDIT CUSTOMERS ON THE BASIS OF RACE, COLOR, RELIGION, NATIONAL ORIGIN, SEX, MARITAL STATUS, AGE (PROVIDED THE CUSTOMER HAS THE CAPACITY TO ENTER INTO A BINDING CONTRACT); BECAUSE ALL OR PART OF CUSTOMER'S INCOME DERIVES FROM ANY PUBLIC ASSISTANCE PROGRAM; OR BECAUSE CUSTOMER HAS IN GOOD FAITH EXERCISED ANY RIGHT UNDER THE CONSUMER CREDIT PROTECTION ACT. THE FEDERAL AGENCY THAT ADMINISTERS COMPLIANCE WITH THIS LAW CONCERNING THIS CREDITOR IS THE FEDERAL TRADE COMMISSION, EQUAL CREDIT OPPORTUNITY, WASHINGTON, DC 20580.

Verification and Certification

I, Customer and applicant hereunder, affirm I have read, understand and agree to all of the specific OBF terms, conditions and other requirements and restrictions set forth in this OBF Application. I certify that all of the information I have provided in this OBF Application is true, correct and complete. I understand I must meet all eligibility criteria and requirements of both the OBF Program and my selected Eligible Program(s) in order to participate in OBF. I understand SCE reserves the right to request additional information to verify my eligibility for OBF.

Signature of Customer

Date

Signature of Customer's Authorized Agent (if applicable)

Date

I, as Customer and applicant, further certify if a Customer's Authorized Agent is listed above, I have entered into a contract with said Customer's Authorized Agent for the installation of energy efficiency Solutions at the project site listed above. I understand that: (1) SCE makes no warranty or representation about the Customer's Authorized Agent's qualifications; (2) I am solely responsible for selecting Customer's Authorized Agent to implement the project on my behalf; (3) Customer's Authorized Agent is an independent contractor and not authorized to make any representations on behalf of SCE; and (4) SCE will have no role in resolving any disputes between me, Customer's Authorized Agent, and/or any other third parties. I further authorize all contracts and correspondence to be sent directly to Customer's Authorized Agent specified above. I further authorize Customer's Authorized Agent to request and receive from SCE the customer account information for the SCE account(s) listed in this Application, including billing records, billing history, meter usage date, verification of balances on the account(s), discontinuance notices, and verification of rate and related information, and to schedule any required inspections by SCE at the project site in connection with this OBF Application or the Eligible Program(s).

Signature of Customer

Date

Form of Payment

- OBF Loan Funds to Customer
- OBF Loan Funds to Customer's Authorized Agent

Payment Release

As Customer, I authorize the payment of my OBF Loan Funds to Customer's Authorized Agent specified above, and I understand I will not be receiving the OBF check from SCE. I also understand my release of this payment to Customer's Authorized Agent does not exempt me from the requirements outlined in this OBF Application.

Signature of Customer

Date

PLEASE MAKE A COPY OF THIS DOCUMENT FOR YOUR RECORDS

*The OBF Program is funded by California utility customers and administered by Southern California Edison under the auspices of the California Public Utilities Commission.
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Date: April 1, 2015

Prepared By: Joseph Zoba, General Manager

Subject: Discussion Regarding Participation in the iEfficient Water Conservation Campaign for Fiscal Year 2015-16

Recommendation: That the Board authorizes the District staff to continue our participation in the iEfficient water conservation campaign for a sum not to exceed \$16,917.45.

At the June 4, 2014 Board Meeting, the Board of Directors approved \$12,260 for the participation in the Regional Coordinated Public Outreach Program for the dissemination of drought and water conservation information also known as the iEfficient campaign. [Director Memorandum No. 14-044]

A portion of the expenses were dedicated to a post survey to determine effectiveness of the campaign. In six months the campaign achieved nearly 20% awareness among the population throughout the Inland Empire. The Basin Technical Advisory Water Conservation Sub-committee would like to extend the regional campaign into the 2015-2016 fiscal year.

CV Strategies, the public outreach firm hired to run the campaign, developed three levels of commitment to the campaign, Bronze, Silver or Gold. The consensus of the BTAC Water Conservation Committee was to participate at the Silver level. San Bernardino Valley Municipal Water District is expected to participate with a contribution of 25% of the total regional conservation campaign. The cost sharing table is attached for your review.

BTAC iEfficient Public Outreach Campaign – Cost Sharing Expenses

Regional Agencies Participation

Regional Agency	Total
San Bernardino Valley Municipal Water District	\$129,348
Western Municipal Water District	\$45,000
San Bernardino Valley Water Conservation District	\$10,000
Total Regional Agency Portion	\$184,348

Retail Agency Share of Balance

Retail Agency	Population	% Population	Equal (50%)	Proportioned by Population (50%)	TOTAL
COLTON, CITY OF	47,429	4%	\$10,407.60	\$6,000.14	\$16,407.75
CORONA DEPT. OF WATER & POWER	150,000	11%	\$10,407.60	\$18,976.19	\$29,383.79
EAST VALLEY WATER DISTRICT	63,055	5%	\$10,407.60	\$7,976.96	\$18,384.56
ELSINORE VALLEY MUNICIPAL WATER DIST.	122,500	9%	\$10,407.60	\$15,497.22	\$25,904.82
JURUPA COMMUNITY SERVICES DISTRICT	107,000	8%	\$10,407.60	\$13,536.35	\$23,943.95
LEE LAKE WATER DISTRICT		0%	\$10,407.60	-\$	\$10,407.60
LOMA LINDA	12,206	1%	\$10,407.60	\$1,544.16	\$11,951.76
NORCO, CITY OF	26,626	2%	\$10,407.60	\$3,368.40	\$13,776.00
REDLANDS, CITY OF	77,852	6%	\$10,407.60	\$9,848.90	\$20,256.50
RIALTO WATER SERVICES	48,623	4%	\$10,407.60	\$6,151.19	\$16,558.80
RIVERSIDE HIGHLAND WATER COMPANY	16,000	1%	\$10,407.60	\$2,024.13	\$12,431.73
RIVERSIDE PUBLIC UTILITIES	295,000	22%	\$10,407.60	\$37,319.84	\$47,727.44
RUBIDOUX COMMUNITY SERVICES DIST.	26,000	2%	\$10,407.60	\$3,289.21	\$13,696.81
SAN BERNARDINO	204,366	16%	\$10,407.60	\$25,853.92	\$36,261.52
WEST VALLEY WATER DISTRICT	68,179	5%	\$10,407.60	\$8,625.18	\$19,032.79
YUCAIPA VALLEY WATER DISTRICT	51,458	4%	\$10,407.60	\$6,509.84	\$16,917.45
TOTALS	1,316,294	100%	\$166,521.63	\$166,521.63	\$ 333,043

BTAC: DRAFT TACTICAL PLAN DROUGHT/CONSERVATION OUTREACH

July 2015



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PROJECT BACKGROUND

In 2014, the Basin Technical Advisory Committee and its participating agencies took bold action to combat water waste and promote a new standard of water use efficiency throughout the Inland Empire. San Bernardino Valley Municipal Water District and nearly 20 public agency partners took on this task, working to build a conservation ethic across the region.

The result: iEfficient, a collaborative education and outreach effort that unified disparate agency messaging, pooled agency resources to maximize message reach, and began the process of educating water users throughout the region about more sustainable water use. A wide range of communication tools, including extensive outreach efforts in Spanish, ensured that all communities in the region had access to this information, and that no groups were left behind.

As a result of these collaborative efforts, a regional conservation survey was commissioned to test attitudes, knowledge and appetite for change. Data from this survey, along with multi-agency workshops, extensive assessments of existing agency outreach efforts and materials, and an evaluation of regional earned media, advertising, event, and partnership landscape, contributed to the development a coordinated outreach plan in which all agencies could participate with a unified voice and a strong message: end water waste.

From July 2014 through December 2014, the first phase of outreach took place. A website and mobile app were developed. Regional advertising in English and Spanish took place through a wide spectrum of media, from billboards and bus messaging to digital and print media as well as direct customer contact tools and radio and movie theatre ads. Extensive social media engagement complemented frequent community event participation. Additionally, substantial free advertising and promotion was leveraged: additional no cost advertising was negotiated; media coverage was secured; two billboards were donated, editorial content was placed in IE publications, a traveling booth was present at community events, a video was created and publicized by Western Municipal Water District; agencies incorporated additional tools such as promotional business cards; radio public service announcements were produced. These types of tools will continue to be a focus in 2015 amongst agency staff. The most effective tactics have been identified and harnessed to apply to the 2015 campaign and advertising plan.

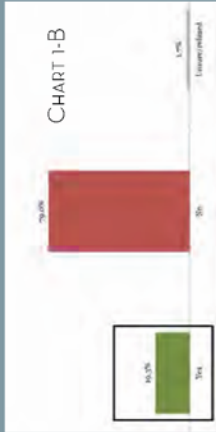
A second survey was conducted in December, and the results were exciting. Despite the campaign's short duration and budget constraints, nearly 20 percent of those surveyed had heard about the iEfficient program. Now, participating agencies hope to build on this momentum by continuing to position iEfficient as the primary regional resource for water conservation information, and encouraging Inland Empire residents to learn more about how they can work with their water providers to promote a sustainable future.

SURVEY RESULTS

Question: "Would you say that conserving water is very important, somewhat important, not very important or not at all important?"



Question: "Have you heard of the iEfficient water conservation effort in the Inland Empire?"



Question: "Have you heard of the 'Inland Empire Garden Friendly program'?"

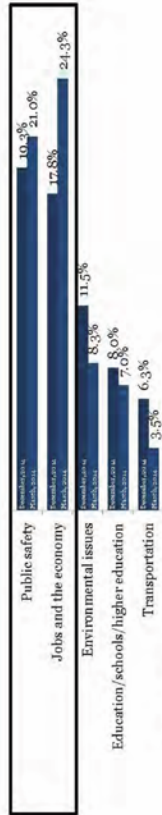


SURVEY FINDINGS SUMMARY

In early March of 2014, Probolsky Research conducted a telephone survey within Riverside and San Bernardino Counties focusing on the services areas of BTAC participating agencies. A follow-up survey was conducted in December of 2014 to gauge the initial impacts of the first six-month phase of conservation messaging through iEfficient.

Research revealed a number of key findings. Analysis of these findings, summarized below, provided key guidance for the development of current project goals.

Water May Not Be Top of Mind, But Residents Understand its Importance



While water isn't the most important issue facing communities today according to survey respondents ("jobs and the economy" and "public safety" top the list), an overwhelming number, 97%, say that conserving water as important. (See chart 1-A, at left.) However, these proportions do not translate into awareness of key water issues or water reduction programs and behaviors.

The primary goal in the initial deployment of any campaign is to build awareness. The iEfficient program has received remarkable success over such a short duration. In just six months, the campaign has achieved nearly 20% awareness among the population throughout the Inland Empire. (See chart 1-B, at left.) Inland Empire Garden Friendly Program has also benefitted from cross promotion through iEfficient, with awareness of the program also on the rise. (See chart 1-C, at left.)

In addition to generating initial awareness in the community, the iEfficient campaign has sought to make additional inroads into the region's conservation conversation by focusing initial messaging on the call for a behavior change. The goal: inform community members that they can play a key role in ending water waste through their own behavior at home and in the workplace.

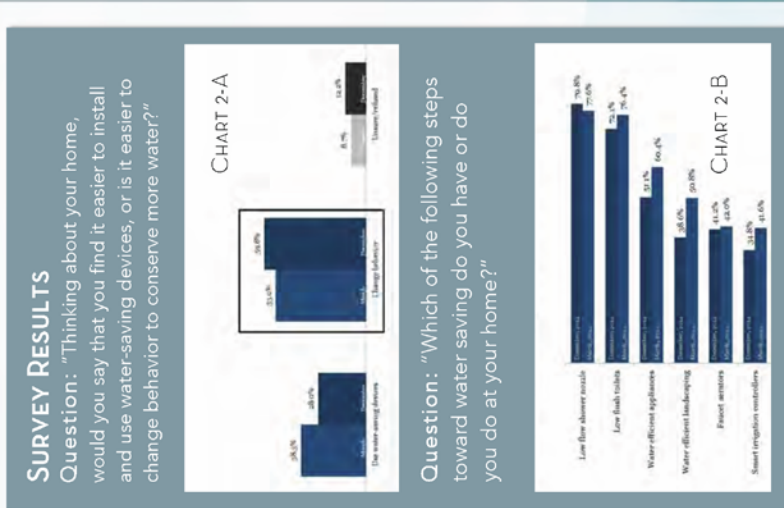
This focus on behavior change has already begun to register with the public, with a nearly 7% increase in survey respondents' desire to change behavior to save water. (See chart 2-A.)

While the region has begun to appreciate the importance of water conservation, and is increasingly receptive to education, there is much work left to do. Inland Empire residents continue to focus on indoor solutions to water efficiency challenges. A majority remain unaware that the largest opportunities for water savings occur outside the home. (See chart 2-B.) And complex concepts like the importance of the BDCP have yet to be covered in depth.

As a result of initial messaging, however, the communities that make up the Inland Empire are now increasingly aware of the need to change the way they use water, and increasingly see iEfficient – as well as its member agencies – as a source of specific and relevant information to guide this change.

A total of 400 surveys were collected. A survey of this size yields a margin of error of +/- 4.8% with a 95% degree of confidence. Interviews were conducted with voters on both landline and cell phones and were offered in English and Spanish languages.

Goal Alignment: Building brand awareness of iEfficient, increasing awareness of the need to save water, and stimulating a desire to change water use behavior all align with primary campaign goals. Future efforts will include increasing knowledge of the need for outdoor savings as well as the methods for achieving these savings and the connection with tools via iEfficient and Water Saving Garden Friendly.

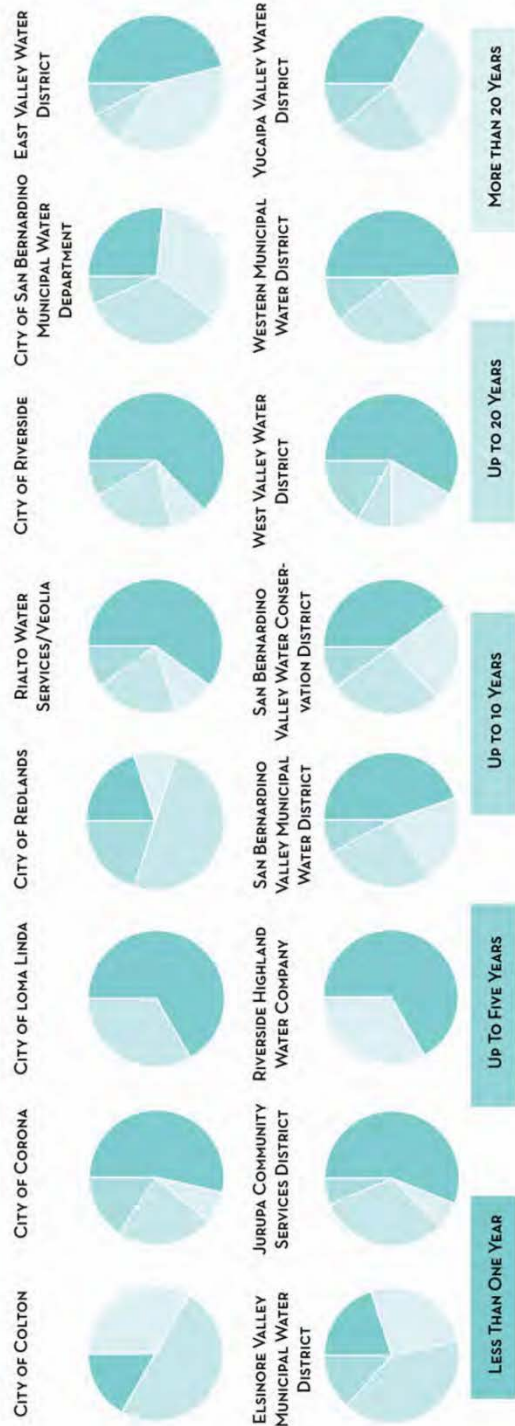


GEOGRAPHICAL ANALYSIS

SURVEY RESPONSE BY RANDOMIZED SERVICE AREA SELECTION



LENGTH OF TIME IN SERVICE AREA

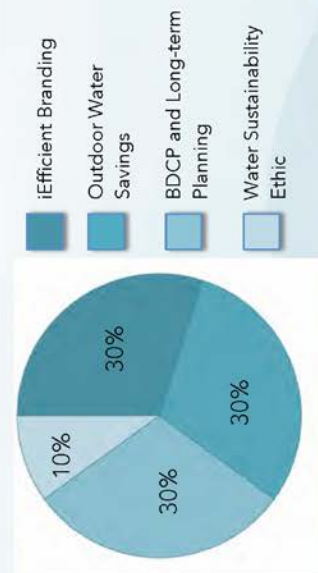


2015 OUTREACH PLAN

After six months of action, implementation and evaluation, the iEfficient program has the capability to be more effective than ever. The most successful program elements, the most productive advertising methods and the busiest events will be combined with dynamic new tools to build on the campaign's substantial – and growing – momentum.

Allocation of Resources

Because there is significant overlap of messaging in which multiple messages are conveyed via a single medium, it is impossible to provide a precise figure that details how resources will be spent to address project messaging goals. However, the figure below provides a current estimate of strategic resource allocation.



OUTREACH GOALS

1. iEfficient Branding
 - a. All outreach material will have consistent brand look and feel
 - b. All outreach material will be branded with logo and tagline
 - c. Extensive Spanish outreach will raise brand awareness in that community
 - d. High level messaging will focus on building campaign awareness
 - e. iEfficient brand presence will be incorporated into existing district tools
2. Water Sustainability Ethic
 - a. Major messaging tools will focus on preserving water for the future
 - b. The "right thing to do" message will be used in mailing materials
 - c. Web and social media will emphasize this theme
 - d. Staff will discuss this key message at community events
3. Outdoor Water Savings
 - a. High level messaging will emphasize outdoor water efficiency as key
 - b. Mailers/collateral material will describe turf rebate programs (e.g. SAWPA)
 - c. Web tools will connect customers to their provider's rebate programs
 - d. Social media will host contests emphasizing water efficient landscapes
 - e. Water Saving Garden Friendly program will be cross-promoted
4. BDCP and Long-Term Planning
 - a. Earned media pitches will emphasize long-term planning
 - b. Mail and collateral materials will describe the BDCP and its importance
 - c. Interactive content will present engaging info about BDCP
 - d. Advertising will link to BDCP information on web

MESSAGE DELIVERY STRATEGY

In order to achieve widespread campaign awareness while maximizing budget resources, iEfficient will employ diverse advertising, event participation, media outreach and direct customer contact, all driving engagement with the campaign website, app and social media tools to promote education and behavior change.

Direct customer contact tools will be an increased area of focus in the next phase of the campaign. Agencies will have access to extensive resources with which to interact with their own customers through iEfficient. Bill inserts, mailers, e-blasts, lobby messaging, fact sheets, as well as content for agency newsletters, websites and a campaign app. These tools will help agencies capitalize on their existing relationships with their customers to continue to build awareness of iEfficient. *These strategies are effective as well as efficient from a cost perspective.*

No cost advertising via public service announcements generated through local broadcast and cable affiliates, as well as online and print announcements and calendar listings available through local and regional press outlets will continue to be maximized to provide no-charge advertising opportunities.

Advertising outlets should include free and no cost media opportunities, web, billboards, radio, social media and targeted print advertising. Additional recommended vehicles include: movie theater previews and bus advertising. CV Strategies does not recommend using television advertising, as it is cost prohibitive. As the call to action to conserve applies to all residents, this broad approach will yield increased web visits. Advertising resources will be spent proportionally based upon investment by regional agencies.

Event participation through presence via booths and/or signage – is a strong tactic to engage local residents, increase visibility and reinforce branding. CV Strategies also recommends leveraging existing agency event participation to further campaign awareness and drive web traffic. *The events with the highest traffic and greatest yield continue to be noted and pursued, while less popular events are avoided in the future.*

Social media outreach, supplemented with social media ad buys, is an effective way to saturate the local market across demographics. Facebook and Twitter are the ideal platforms with occasional video content integrated to maximize reach while keeping costs low. *These vehicles will allow people to quickly and easily access the campaign hub – the website. Interaction with the newly developed app can now also be leveraged, and campaign events and successes can be celebrated and publicized.*

Earned media will allow this campaign not only to reach more people, but also to reach them in a more meaningful way. News coverage will give the campaign credibility and authority. The approach will include print, television and radio outlets and their websites. Existing agency relationships with local beat reporters should be leveraged. *The growth of the campaign will lead to increased editorial influence as iEfficient becomes the media’s source for conservation information.*

Spanish Outreach was a key component of the 2014 campaign with Spanish print ads, radio commercials, hand-out materials and website content. Messages were tailored to the Spanish-speaking audience to increase engagement. Spanish outreach will be an important part of the next phase of the iEfficient campaign — we will continue to spread our message to the Inland Empire’s large Spanish speaking population.

BTAC: IEFICIENT WATER CONSERVATION CAMPAIGN 2015
 12 Month Campaign Plan Summary

INITIATIVE	SERVICES	HARD COSTS	ADVERTISING
ONGOING IMPLEMENTATION STRATEGY	55 - 65 Hours	\$250 - \$500	
ANALYZE AND ADJUST OUTREACH PROGRAM AS NEEDS DICTATE AND PER SURVEY FINDINGS TO MAXIMIZE CAMPAIGN EFFECTIVENESS.			
Refine key messages			
Align strategy with latest news and goals			
Incorporate survey findings			
Align strategy with scope and content of branding elements			
Align efforts with media strategy			
BRAND REFINEMENT AND DEPLOYMENT	45 - 65 Hours	\$250 - \$500	
REVIEW BRAND ELEMENTS TO ENSURE CONSISTENCY WHILE REFINING NECESSARY COMPONENTS TO EXTEND PROGRAM REACH AND ENHANCE BRAND.			
Comprehensive message review and refinement			
Identify additional or changing outreach goals			
Cobranding considerations			
Refine and execute brand deployment program			
Identify and prioritize deployment vehicle options			
Execute message pivot as necessary			
Develop additional branded elements and outreach tools for multi-agency deployment			
Deploy brand			

BTAC: IEFICIENT WATER CONSERVATION CAMPAIGN 2015
 12 Month Campaign Plan Summary

INITIATIVE	SERVICES	HARD COSTS	ADVERTISING
CREATIVE SERVICES (DESIGN, FACILITATION AND PRODUCTION)	215 - 265 Hours	\$15,000 - \$20,000	DEVELOP ADDITIONAL MATERIALS TO SUPPORT MULTI-AGENCY COLLATERAL AND ADVERTISING NEEDS. CREATE DIRECT CUSTOMER CONTACT TOOLS FOR AGENCY USE.
Collateral			
Advertisements			
Photography			
Videography			
Signage			
Web elements			
Presentations			
Premium items			
Educational materials			
Electronic messaging			
Other outreach materials			
WEB TOOLS & ENHANCEMENT	120 - 160 Hours	\$1,500	MAINTAIN DYNAMIC AND UP TO DATE WEBSITE. DEVELOP ADDITIONAL CUSTOMER ENGAGEMENT WEB TOOLS. LEVERAGE AND PROMOTE MOBILE APP USE.
Create interactive user engagement tools			
Incorporate brand refinements into site			
Conservation games			

BTAC: IEFFICIENT WATER CONSERVATION CAMPAIGN 2015
 12 Month Campaign Plan Summary

INITIATIVE	SERVICES	HARD COSTS	ADVERTISING
Interactive educational exercises and contests			
Efficient water use savings guide			
Regional water supply management efforts			
Participating agency conservation data updates			
BDCP messaging			
Turf Replacement Program			
Water Saving Garden Friendly messaging			
Information about local projects			
Customer contact information capture			
Agency specific social media incorporation			
Multi-media gallery			
OUTREACH CAMPAIGN DEPLOYMENT	305 - 390 HOURS	\$40,500 - \$47,000	
MEDIA EVENTS			
Select opportunities			
Determine best media partners			
Identify agency participants			

CONTINUE ACTIVE COMMUNITY ENGAGEMENT, LEVERAGING OUTREACH OPPORTUNITIES THROUGHOUT THE REGION. COORDINATE OUTREACH PROGRAM WITH ADVERTISING AND DIRECT CUSTOMER CONTACT.

BTAC: IEFFICIENT WATER CONSERVATION CAMPAIGN 2015
 12 Month Campaign Plan Summary

INITIATIVE	SERVICES	HARD COSTS	ADVERTISING
Media outreach (press release, story pitch)			
BRANDED PRESENCE AT MAJOR REGIONAL EVENTS			
Prioritize as per event calendar with agency input			
Seek opportunities inclusive of all service areas			
Identify agency participants			
Prepare tailored materials targeted for event			
Advertisement			
Media outreach (press release, story pitch)			
BRANDED PRESENCE AT COMMUNITY EVENTS			
Prioritize as per event calendar with agency input			
Seek opportunities inclusive of all service areas			
Identify agency participants			
Prepare tailored materials targeted for event			
Advertisement			
Media outreach (press release, story pitch)			
CAMPAIGN SPECIFIC EVENTS			
Develop and facilitate two unique events with broad agency input			
Seek opportunities inclusive of all service areas			
Identify agency participants			

BTAC: IEFFICIENT WATER CONSERVATION CAMPAIGN 2015
 12 Month Campaign Plan Summary

INITIATIVE	SERVICES	HARD COSTS	ADVERTISING
Prepare tailored materials targeted for event			
Advertisement			
Media outreach (press release, story pitch)			
NEW AND EXISTING TOURS			
Identify and leverage existing tours with water supply angle			
If necessary, create unique, multiagency tour			
Seek opportunities inclusive of all service areas			
Identify agency participants			
Prepare tailored materials targeted for event			
Media outreach (press release, story pitch)			
PARTNERSHIP FACILITATION			
Prioritize key partnership targets			
Prepare partnership solicitation materials			
Facilitate communication with select targets			
Leverage partnerships at events, in all media, and in collateral materials			
Media outreach (press release, story pitch)			
SOCIAL MEDIA CAMPAIGN			
Execute dynamic, regularly updated social media suite			
Evaluate social media guidelines and protocol			

BTAC: IEFFICIENT WATER CONSERVATION CAMPAIGN 2015
 12 Month Campaign Plan Summary

INITIATIVE	SERVICES	HARD COSTS	ADVERTISING
Identify social media authors and participants			
Leverage all events and other outreach on social media vehicles			
SMARTPHONE APP			
Refine necessary tools and features			
Promote use of mobile app			
Media outreach (press release, story pitch) to highlight app			
YOUTH AND EDUCATION OUTREACH			
Build opportunities list with agencies			
Determine priorities list			
Adapt existing materials			
Identify and address additional regional program needs			
Build interactive tools			
Participate in and coordinate regional youth outreach			
Media outreach (press release, story pitch)			
BUILD AND EXECUTE STRATEGIC SPONSORSHIP PROGRAM			
Prioritize key partnership targets			
Prepare partnership solicitation materials			
Facilitate communication with select targets			
Leverage partnerships at events, in all media, and in collateral materials			

BTAC: IEFFICIENT WATER CONSERVATION CAMPAIGN 2015
 12 Month Campaign Plan Summary

INITIATIVE	SERVICES	HARD COSTS	ADVERTISING
Media outreach (press release, story pitch)			
DEVELOP AND IMPLEMENT RELEVANT CONTESTS			
STAKEHOLDER PRESENTATIONS			
Develop targeted outreach "road show" for stakeholder presentations			
Present actively, frequently and inclusively to wide-ranging audiences			
LEVERAGE EXISTING AGENCY COLLATERAL EFFORTS			
TRACK ATTENDANCE AND ENGAGEMENT AS PROOF OF PERFORMANCE METRIC			
EARNED MEDIA LANDSCAPE	95 - 130 Hours	\$3,000	
Press releases			
Reporter meetings/roundtables/editorial board			
Op-Eds/letters to the editor			
Crisis mitigation			
Community postings			
Media monitoring			
Press conferences			
Collaborative statewide and national dialogue participation			
Earned media facilitation of all events			

COLLABORATE WITH MEDIA PARTNERS TO EDUCATE COMMUNITY. LEVERAGE UNPRECEDENTED FOCUS AND INTEREST IN WATER SUPPLY ISSUES.

BTAC: IEFFICIENT WATER CONSERVATION CAMPAIGN 2015
 12 Month Campaign Plan Summary

INITIATIVE	SERVICES	HARD COSTS	ADVERTISING
ADVERTISING PROGRAM EXECUTION (SEE ATTACHED MEDIA PLAN)	125 - 185 HOURS	\$226,121 - \$330,609	RAISE AWARENESS OF CAMPAIGN AND AGENCY CONSERVATION PROGRAMS. CHANGE ATTITUDES AND BEHAVIORS. DEMONSTRATE COMMITMENT TO REGIONAL COLLABORATION.
Television			
Radio			
Billboards			
Transit			
Digital Advertising			
Theater Ads			
Print			
Miscellaneous: (table tents, special events or publications, etc.)			
Coordinate to support all events and presentations			
Follow-up Survey			

BTAC: IEFFICIENT WATER CONSERVATION CAMPAIGN 2015
 12 Month Campaign Plan Summary

INITIATIVE	SERVICES	HARD COSTS	ADVERTISING	TOTAL
BRONZE PLAN:	\$144,000	\$60,500	\$226,121	\$430,621
SILVER PLAN:	\$166,500	\$66,500	\$284,391	\$517,391
GOLD PLAN:	\$189,000	\$72,500	\$330,609	\$592,109

* Advertising resources will be spent proportionally based upon investment by regional agencies. Please refer to the Draft Cost Distribution spreadsheet.

BTAC ADVERTISING & MEDIA SCHEDULE
12 Month Plan

AD OPTIONS	OUTLET	DESCRIPTION (AT SILVER LEVEL)	TIMEFRAME	NOTES	BRONZE	SILVER	GOLD	
PRINT	LA Times	BRONZE: 1/9 page ad (2x/mo. on Saturdays) SILVER: 1/9 page ad (4x/mo. on Saturday) GOLD: 1/4 page ads (2x/mo. on Saturdays)	July - June	Cost includes web advertising, Inland Empire/San Gabriel Valley zone only.	\$9,802	\$19,640	\$22,048	
	SB Sun/Redlands Daily Facts	BRONZE: 1/8 page ad (2x/mo. on Sundays in each paper) SILVER: 1/8 page ad (4x/mo. on Sundays in each paper) GOLD: 1/4 page ads (2x/mo. on Sundays in each paper)	July - June	Cost includes web advertising.	\$9,900	\$20,400	\$27,600	
	Highland Community News/Yucaipa News Mirror	BRONZE: 1/4 page ad (3x/mo. on Fridays in each paper) SILVER: 1/4 page ad (4x/mo. on Fridays in each paper) GOLD: 1/4 page ad (4x/mo. on Fridays in each paper, plus 4 special edition publications)	July - June	Cost includes web advertising.	\$26,381	\$27,142	\$30,450	
	The Voice	BRONZE: 1/8 page ad (4x/mo. on Thursdays) SILVER AND GOLD: 1/5 page ad (4x/mo. on Thursdays)	July - June	Cost includes web advertising.	\$3,400	\$6,048	\$6,048	
	Press-Enterprise & Los Unidos	BRONZE: 1/8 page ads (2x/mo. on Sundays in each paper) SILVER: 1/4 page ads (2x/mo. on Sundays in each paper) GOLD: 1/8 page ads (4x/mo. on Sundays in each paper)	July - June	Cost includes web advertising.	\$29,191	\$41,700	\$45,980	
	Inland Empire Magazine	BRONZE AND SILVER: 1/2 page ad monthly GOLD: 1/2 page ad monthly, plus Home Edition publication	July - June	Cost includes web advertising and op-ed or editorial.	\$8,745	\$8,745	\$9,895	
	Inland Empire Community News	BRONZE AND SILVER: 1/8 page ads (every other week in each publication on Thursdays) GOLD: 1/8 page ads (4x/mo. on Thursdays in each paper)	July - June	Cost includes web advertising. Ads published in: Rialto Record, Colton Courier, El Chicano and Inland Empire Weekly.	\$3,294	\$3,294	\$4,500	
	City News Group	BRONZE: 1/8 page ad (3x/mo. on Thursdays in each paper) SILVER: 1/8 page ads (4x/mo. on Thursdays in each paper) GOLD: 1/4 page ads (4x/mo. on Thursdays in each paper)	July - June	Ads published in: Loma Linda, San Bernardino, Moreno Valley, Colton, Grand Terrace and Redlands	\$6,140	\$7,196	\$8,690	
	RADIO	KOLA 99.9 KCAL 96.7	BRONZE: 100 spots, 6:00am-10:00am and 3:00pm-6:00pm, Monday (2x/week). Over 350 PSA's to air on KOLA and KCAL included in contract. SILVER: 150 spots, 6:00am-10:00am and 3:00pm-6:00pm, Mon-Fri (3x/week). Over 550 PSA's to air on KOLA and KCAL included in contract. GOLD: 250 spots, 6:00am-10:00am and 3:00pm-6:00pm, Mon-Fri (4x/week). Over 550 PSA's to air on KOLA and KCAL included in contract.	July - June	Ads will run every week. Includes website banner ads and 1 email blast per-quarter.	\$10,000	\$12,000	\$16,500
		Radio	KOLA 99.9 - Classic Hits KCAL 96.7 - Rock	July - June	Ad runs/length TBD based upon negotiation	No Cost	No Cost	No Cost
PUBLIC SERVICE ANNOUNCEMENTS/ EARNED MEDIA	Television	Public Access Channel ABC 7 FOX 11 PBS	July - June	Ad runs/length TBD based upon negotiation	No Cost	No Cost	No Cost	
	Print	LA Times SB Sun/Redlands DF/IV Daily Bulletin Highland Community News The Voice Press-Enterprise Inland Empire Magazine Your Villa Los Unidos City News Group Inland Empire Community News	July - June	Editorial/Press Releases/Event Coverage	No cost	No Cost	No Cost	

BTAC ADVERTISING & MEDIA SCHEDULE
12 Month Plan

AD OPTIONS	OUTLET	DESCRIPTION (AT SILVER LEVEL)	TIMEFRAME	NOTES	BRONZE	SILVER	GOLD	
BILLBOARDS	Lamar Advertising Leonard & Co. Outfront Media	BRONZE: Billboard #1, 6 mo. run - Location: Riato or Yucaipa Billboards #1, 6 mo. run - Location: Riverside or Corona Billboards #2, 6 mo. run - Location: San Bernardino or Redlands Billboards #3, 6 mo. run - Location: San Bernardino or Redlands	July - June	We will reuse vinyl where we can to save on production cost.	\$50,000	\$55,000	\$60,000	
		SILVER: Billboard #1, 6 mo. run - Location: Riato or Yucaipa Billboards #2, 6 mo. run - Location: Riverside or Grand Terrace Billboards #3, 6 mo. run - Location: San Bernardino or Redlands Billboards #4, Digital to rotate in multiple areas over 10 months	July - June					
		GOLD: Billboard #1, 10 mo. run - Location: Riato or Yucaipa Billboards #2, 10 mo. run - Location: Riverside or Grand Terrace Billboards #3, 10 mo. run - Location: San Bernardino or Redlands	July - June	Web ads included in cost.	\$8,570	\$16,266	\$23,026	
THEATER ADS	NCM Media Networks	BRONZE: 30 ad will display on lobby TV's only at Regal San Bernardino, Diamond 8 Cinema, Riverside Stadium 16, Galleria at Tyler 16, Temecula 15, Eastvale Stadium 14, Corona Crossings 18, and Temecula Tower Cinemas 10.	July - June					
		SILVER: 30 theater ad shown at Regal San Bernardino 14, and Riverside Stadium 16 - All ads will have premium positioning (commercial will play up to 5 minutes before feature). 30 second ad will display on TV lobbies at Regal San Bernardino, Diamond 8 Cinema, Riverside Stadium 16, Galleria at Tyler 16, Temecula 15, Eastvale Stadium 14, Corona Crossings 18, and Temecula Tower Cinemas 10.	July - June	Web ads included in cost.	\$8,570	\$16,266	\$23,026	
TRANSIT	Lamar Advertising	BRONZE: Bus advertisements only, 3 buses running in San Bernardino, 3 buses running in Riverside	July - June		\$8,000	\$8,000	\$10,000	
		SILVER: Bus advertisements and bus 4 shelters, 3 buses running in San Bernardino, 3 buses running in Riverside, and shelters in various locations.	July - June		\$3,000	\$4,000	\$4,000	
DIGITAL ADVERTISING	Facebook	Social Media	July - June	Promoted/Boosted posts	\$4,000	\$8,000	\$10,000	
	Twitter	Social Media	July - June	Promoted tweets	\$3,000	\$4,000	\$4,000	
	Yahoo!	BRONZE AND SILVER: Search page results headliner (42,000 impressions/mo.) GOLD: Search page results headliner (150,000 impressions/mo.)	July - June	Included in SB Sun print bundle.	No Cost	No Cost	\$2,000	
	Google	Recommended ad shares, pay per click (70,000 - 150,000 impressions/mo.)	July - June	Ad comes up in various places on web and mobile devices.	\$3,000	\$3,600	\$4,500	
	ABC 7	BRONZE: Digital Package- Headline and rectangular banner (65,000 impressions/mo.) SILVER AND GOLD: Digital Package- Headline and rectangular banner (165,000 impressions/mo.)	July - June	Target audience: Inland Empire	\$10,300	\$12,000	\$12,000	
	FOX News 11	BRONZE: Digital Package- Headline and rectangular banner (42,000 impressions/mo.) SILVER: Digital Package- Headline and rectangular banner (100,000 impressions/mo.) GOLD: Digital Package- Headline and rectangular banner (200,000 impressions/mo.)	July - June	Target audience: Inland Empire	\$6,000	\$6,900	\$9,000	
Press-Enterprise Highland Community News/ Yucaipa News Mirror	Digital Package- 300x250 Banner (100,000 impressions/mo.) Digital Package- Headline and rectangular banner (57,900 impressions/mo.)	July - June July - June	Included in print bundle Included in print bundle	No Cost No Cost	No Cost No Cost	No Cost No Cost		

BTAC ADVERTISING & MEDIA SCHEDULE
12 Month Plan

AD OPTIONS	OUTLET	DESCRIPTION (AT SILVER LEVEL)	TIMEFRAME	NOTES	BRONZE	SILVER	GOLD	
DIGITAL ADVERTISING	Inland Empire Community News	Digital Package- Headline and Facebook (2,000 impressions/mo.)	July - June	Included in print bundle	No Cost	No Cost	No Cost	
	The Voice	Digital Package- Headline and rectangular banner (10,000 impressions/mo.)	July - June	Included in print bundle	No Cost	No Cost	No Cost	
	Inland Empire Magazine	Digital Package- Headline banner (6,700 impressions/mo.)	July - June	Included in print bundle	No Cost	No Cost	No Cost	
MOBILE ADVERTISING	Mobile Application	Mobile Smartphone App - Paid up to Dec 2015	July - June	Interactive application with tips for water-saving methods and reporting water waste.	No Cost	No Cost	No Cost	
LOCAL EVENTS	Booths/Promo	Various local event participation and advertising	July - June	Agency recommendations and participation encouraged.	\$13,000	\$16,000	\$18,000	
FOLLOW UP SURVEY	Probolsky	Post-campaign survey to identify campaign success	June		\$14,000	\$14,000	\$14,000	
* All advertising rates are subject to change based on availability and other terms of agreement.								
					ADVERTISING:	\$226,121	\$284,391	\$330,609
					SERVICES:	\$144,000	\$166,500	\$189,000
					HARD COSTS:	\$60,500	\$66,500	\$72,500
GRAND TOTALS:					\$430,621	\$517,391	\$592,109	



Date: April 1, 2015

Prepared By: Jack Nelson, Assistant General Manager

Subject: Discussion Regarding Claim for Damages Related to a Vehicle Accident on September 29, 2014 - Tanya Sharp

Recommendation: That the Board denies the claim for damages.

On March 17, 2015, the Yucaipa Valley Water District received a claim from the Law Office of Larry Parker of behalf of Tanya Sharp for an unspecified amount for a vehicle accident that occurred on September 29, 2014 on Canterbury Court, Yucaipa.

There was no supporting information or costs submitted with the claim (attached) when it was received by the District.

The District incident report, police report, and other supporting documents compiled by the District at the time of the accident are also attached. Copies of these documents have been forwarded to the District's insurance carrier.

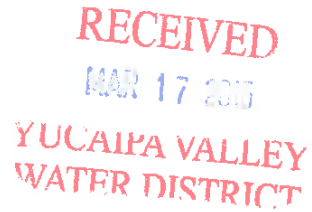
Based upon the information provided, District staff recommends denial of the claim.



350 San Antonio Drive
Long Beach, California 90807-0948
Telephone (562) 427-2044
Facsimile (562) 595-4908

November 21, 2014

Attn: Tysa or Jack- Claims
Yucaipa Valley Water
12770 2nd Street
Yucaipa, CA 92399



Re: Tanya Sharp vs. Yucaipa Valley Water

To whom it may concern:

Enclosed for filing please find the original and two copies of our Claim for Damages for Injuries please date, stamp one copy and return to our office. Enclosed please find a self-address envelope.

Thank you for your courtesy and cooperation in this matter.

Very truly yours

THE LAW OFFICES OF LARRY H. PARKER, INC.



Rosa Gonzalez, Paralegal to
JOSEPH BRISSETTE, Negotiator

/rg

Enclosures

1 STEVAN B. WOLTER, SBN132086
 2 LAW OFFICES OF LARRY H. PARKER, INC.
 3 350 E. San Antonio Drive
 4 Long Beach, California 90807-0948
 5 (562) 427-2044

(SPACE BELOW FOR FILE STAMP ONLY)

Attorneys for Claimant

COUNTY OF SAN BERNARDINO

YUCAIPA VALLEY WATER DISTRICT

TANYA SHARP;

Claimant,

vs.

YUCAIPA VALLEY WATER DISTRICT;
 COUNTY OF SAN BERNARDINO;

Respondents

CLAIM NO.

CLAIM FOR DAMAGES

1. Name of Claimant: Tanya Sharp

2. Age of Claimant: 33 years old

3. Address of Claimant: 34915 Canterbury Court, Yucaipa, CA 92399

Notices should be sent to The Law Offices of Larry H. Parker, Inc., 350 San Antonio Drive, Long Beach, CA 90807.

4. Date of Injury: 09/29/14

Place of Injury: Canterbury Court and 2nd Street in the City of Yucaipa, County of San Bernardino, State of California.

Manner of Injury: Claimant Tanya Sharp was a driver of a 1999 Mercedes C230, California plate number 6RIC887 traveling west bound on Canterbury Court.

1 Respondent Marcus Sanders was driving a 2003 Chevy 2500, California plate number
 2 1027073 owned by the Yucaipa Valley Water District, southbound in a driveway on
 3 Canterbury Court when his vehicle negligently collided with the claimants vehicle.
 4 Claimant's injuries were the result of the negligence of the Marcus Sanders driver while
 5 acting in the course and scope of employment with the Yucaipa Valley Water District
 6 and/or the County of San Bernardino.

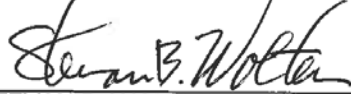
7 5. Nature and Extent of Injuries:

8 Darres Daniels .: Claimant sustained multiple injuries to her neck and lower
 9 back.

10 Amount of Damages Claimed to Date: Within Superior Court jurisdiction
 11 and includes damages for injuries, current and future medical expenses, current and future
 12 loss of earnings, current and future loss of consortium, and property damage amounts of
 13 which are presently unknown to claimant. Claimant has not received billing statements for
 14 any services, treatment or care provided as a result of this accident.

15
 16 Dated: March 12, 2015

17
 18 THE LAW OFFICES OF LARRY H. PARKER, INC.

19
 20 By: 
 21 STEVAN B. WOLTER
 22 A member of the LAW OFFICES OF LARRY H.
 23 PARKER INC., Attorney for claimant
 24
 25
 26
 27
 28

1 STEVAN B. WOLTER, SBN132086
 2 LAW OFFICES OF LARRY H. PARKER, INC.
 3 350 E. San Antonio Drive
 Long Beach, California 90807-0948
 (562) 427-2044

(SPACE BELOW FOR FILE STAMP ONLY)

4 Attorneys for Claimant

6 COUNTY OF SAN BERNARDINO

7 YUCAIPA VALLEY WATER DISTRICT

12 TANYA SHARP;

13 Claimant,

14 vs.

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 17 COUNTY OF SAN BERNARDINO;

18 Respondents

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 18 THE LAW OFFICES OF LARRY H. PARKER, INC.

19
 20 By: 
 21 STEVAN B. WOLTER
 22 A member of the LAW OFFICES OF LARRY H.
 23 PARKER INC., Attorney for claimant



STATE OF CALIFORNIA
TRAFFIC COLLISION REPORT
CRP 500 PAGE 1 (Rev 7-03) CP1 061

Supplement Page of

SPECIAL CONDITIONS		Number Injured	Hit & Run Felony	CITY	JUDICIAL DISTRICT	LOCAL REPORT NUMBER			
PRIVATE PROPERTY		Number Killed	Hit & Run Misdemeanor	YUCAIPA	SB SUP				
				COUNTY	REPORTING DISTRICT	BEAT			
				San Bernardino	YC302	YC2	141403205		
LOCATION	COLLISION OCCURRED ON			MO DAY YEAR	TIME (2400)	NCIC #	OFFICER I D		
	CANTERBURY COURT			09/29/2014	10:10	3600	35098		
	MILEPOST INFORMATION			DAY OF WEEK	TOW AWAY	PHOTOGRAPHS BY			
		of		MONDAY	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	<input checked="" type="checkbox"/> NONE			
		<input type="checkbox"/> AT INTERSECTION WITH		STATE HWY REL					
		<input checked="" type="checkbox"/> OR 485.6 FEET EAST of 2ND STREET		<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO					
#	DRIVER'S LICENSE NUMBER	STATE	CLASS	AIR BAG	SAFETY EQUIP	VEH YEAR	MAKE/MODEL/COLOR	LICENSE NUMBER	STATE
1	B6316089	CA	C	M	G	1999	MERZC230 WHI	6RIC887	CA
DRIVER	NAME (FIRST, MIDDLE, LAST)			OWNER'S NAME			<input type="checkbox"/> SAME AS DRIVER TYPE P		
PEDES-TRAIN	STREET ADDRESS			JESUS VILLANUEVA			<input type="checkbox"/> SAME AS DRIVER		
PARKED VEHICLE	CITY/STATE/ZIP			11211 N TATUM BLVD #118 PHOENIX AZ 85028					
BICY-CLIST	SEX	HAIR	EYES	HEIGHT	WEIGHT	BIRTHDAY	RACE	DISPOSITION OF VEHICLE ON ORDERS OF <input checked="" type="checkbox"/> OFFICER <input type="checkbox"/> DRIVER <input type="checkbox"/> OTHER	
	F	BRO	BRO	507	175	01/09/1981	W	RELEASED TO DRIVER	
OTHER	HOME PHONE		TYPE	BUSINESS PHONE		VEHICLE IDENTIFICATION NUMBER		WDBHA24G0XA761925	
	(909)565-0717		P			VEHICLE TYPE		DESCRIBE VEHICLE DAMAGE SHADE IN DAMAGED AREA	
	INSURANCE CARRIER		POLICY NUMBER		01		<input type="checkbox"/> UNK <input type="checkbox"/> NONE <input checked="" type="checkbox"/> MINOR		<input type="checkbox"/> MOD <input type="checkbox"/> MAJOR <input type="checkbox"/> ROLL-OVER
	ACCESS INS		ACA032912601		CA		<input type="checkbox"/> UNK <input type="checkbox"/> NONE <input checked="" type="checkbox"/> MINOR		
#	DRIVER'S LICENSE NUMBER	STATE	CLASS	AIR BAG	SAFETY EQUIP	VEH YEAR	MAKE/MODEL/COLOR	LICENSE NUMBER	STATE
2	D3801667	CA	C	M	G	2003	CHEV2500 WHI	1027073	CA
DRIVER	NAME (FIRST, MIDDLE, LAST)			OWNER'S NAME			<input type="checkbox"/> SAME AS DRIVER TYPE P		
PEDES-TRAIN	STREET ADDRESS			YUCAIPA VALLEY WATER			<input type="checkbox"/> SAME AS DRIVER		
PARKED VEHICLE	CITY/STATE/ZIP			PO BOX 730 YUCAIPA CA 92399					
BICY-CLIST	SEX	HAIR	EYES	HEIGHT	WEIGHT	BIRTHDAY	RACE	DISPOSITION OF VEHICLE ON ORDERS OF <input checked="" type="checkbox"/> OFFICER <input type="checkbox"/> DRIVER <input type="checkbox"/> OTHER	
	M	BLK	BRO	511	180	05/26/1983	B	RELEASED TO DRIVER	
OTHER	HOME PHONE		TYPE	BUSINESS PHONE		VEHICLE IDENTIFICATION NUMBER		1GCHK24U33E293664	
	(909)806-9541		P	(909)797-5117		VEHICLE TYPE		DESCRIBE VEHICLE DAMAGE SHADE IN DAMAGED AREA	
	INSURANCE CARRIER		POLICY NUMBER		22		<input type="checkbox"/> UNK <input type="checkbox"/> NONE <input checked="" type="checkbox"/> MINOR		<input type="checkbox"/> MOD <input type="checkbox"/> MAJOR <input type="checkbox"/> ROLL-OVER
	INLAND COUNTIES INS		5106-0001-02		CA		<input type="checkbox"/> UNK <input type="checkbox"/> NONE <input checked="" type="checkbox"/> MINOR		
#	DRIVER'S LICENSE NUMBER	STATE	CLASS	AIR BAG	SAFETY EQUIP	VEH YEAR	MAKE/MODEL/COLOR	LICENSE NUMBER	STATE
DRIVER	NAME (FIRST, MIDDLE, LAST)			OWNER'S NAME			<input type="checkbox"/> SAME AS DRIVER TYPE P		
PEDES-TRAIN	STREET ADDRESS			OWNER'S ADDRESS			<input type="checkbox"/> SAME AS DRIVER		
PARKED VEHICLE	CITY/STATE/ZIP			DISPOSITION OF VEHICLE ON ORDERS OF <input type="checkbox"/> OFFICER <input type="checkbox"/> DRIVER <input type="checkbox"/> OTHER					
BICY-CLIST	SEX	HAIR	EYES	HEIGHT	WEIGHT	BIRTHDAY	RACE	PRIOR MECHANICAL DEFECTS <input type="checkbox"/> NONE APPARENT <input type="checkbox"/> REFER TO NARRATIVE	
								VEHICLE IDENTIFICATION NUMBER:	
OTHER	HOME PHONE		TYPE	BUSINESS PHONE		VEHICLE TYPE		DESCRIBE VEHICLE DAMAGE SHADE IN DAMAGED AREA	
			P			CA		<input type="checkbox"/> UNK <input type="checkbox"/> NONE <input checked="" type="checkbox"/> MINOR	
	INSURANCE CARRIER		POLICY NUMBER		CAL-T		<input type="checkbox"/> MOD <input type="checkbox"/> MAJOR <input type="checkbox"/> ROLL-OVER		<input type="checkbox"/> MOD <input type="checkbox"/> MAJOR <input type="checkbox"/> ROLL-OVER
					TCP/PSC		<input type="checkbox"/> UNK <input type="checkbox"/> NONE <input checked="" type="checkbox"/> MINOR		
	DIR OF TRAVEL	ON STREET OR HIGHWAY		SPEED LIMIT		MCMX			
	SOUTH	DRIVEWAY		N/A		X			
PREPARER'S NAME		DISPATCH NOTIFIED		REVIEWER'S NAME		DATE REVIEWED			
Jonathan Thorp		<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A		Jeff Bohner		10/18/2014			

STATE OF CALIFORNIA
TRAFFIC COLLISION CODING
 CHP 555 PAGE 2 (Rev.7-03) OPI 061

Supplement

DATE OF COLLISION (MO. DAY YEAR) 09/29/2014		TIME (2400) 10:10	NCOP 3600	OFFICER I.D. B5098	NUMBER 141403205
PROPERTY DAMAGE	OWNER'S NAME	OWNER'S ADDRESS		NOTIFIED <input type="radio"/> Yes <input type="radio"/> No	
DESCRIPTION OF DAMAGE					
 SEATING POSITION 1 - DRIVER 2 TO 6 - PASSENGERS 7 - STATION WAGON REAR 8 - REAR OCC TRK OR VAN 9 - POSITION UNKNOWN 0 - OTHER	OCCUPANTS A - NONE IN VEHICLE B - UNKNOWN C - LAP BELT USED D - LAP BELT NOT USED E - SHOULDER HARNESS USED F - SHOULDER HARNESS NOT USED G - LAP/SHOULDER HARNESS USED H - LAP/SHOULDER HARNESS NOT USED J - PASSIVE RESTRAINT USED K - PASSIVE RESTRAINT NOT USED	SAFETY EQUIPMENT L - AIR BAG DEPLOYED M - AIR BAG NOT DEPLOYED N - OTHER P - NOT REQUIRED Q - IN VEHICLE USED R - IN VEHICLE NOT USED S - IN VEHICLE USE UNKNOWN T - IN VEHICLE IMPROPER USE U - NONE IN VEHICLE	M/C BICYCLE - HELMET DRIVER PASSENGER V - NO X - NO W - YES Y - YES EJECTED FROM VEHICLE 0 - NOT EJECTED 1 - FULLY EJECTED 2 - PARTIALLY EJECTED 3 - UNKNOWN	INATTENTION CODES A - CELLPHONE HANDHELD B - CELLPHONE HANDSFREE C - ELECTRONIC EQUIPMENT D - RADIO / CD E - SMOKING F - EATING G - CHILDREN H - ANIMALS I - PERSONAL HYGIENE J - READING K - OTHER	
ITEMS MARKED BELOW FOLLOWED BY AN ASTERISK (*) SHOULD BE EXPLAINED IN THE NARRATIVE.					
PRIMARY COLLISION FACTOR LIST NUMBER (N) OF PARTY AT FAULT 1	TRAFFIC CONTROL DEVICES A CONTROL'S FUNCTIONING B CONTROLS NOT FUNCTIONING* C CONTROLS OBSCURED D NO CONTROLS PRESENT/FACTOR*	TYPE OF COLLISION A HEAD-ON B SIDE SWIPE C REAR END D BROADSIDE E HIT OBJECT F OVERTURNED G VEHICLE / PEDESTRIAN H OTHER*	SPECIAL INFORMATION A HAZARDOUS MATERIAL B CELL PHONE HANDHELD IN USE C CELL PHONE HANDSFREE IN USE D CELL PHONE NOT IN USE E SCHOOL BUS RELATED F 75 FT MOTOR/TRUCK COMBO G 32 FT TRAILER COMBO H I J K L M N O	MOVEMENT PRECEDING COLLISION A STOPPED B PROCEEDING STRAIGHT C RAN OFF ROAD D MAKING RIGHT TURN E MAKING LEFT TURN F MAKING U TURN G BACKING H BLOWING / STOPPING I PASSING OTHER VEHICLE J CHANGING LANES K PARKING MANUEVER L ENTERING TRAFFIC M OTHER UNSAFE TURNING N YING INTO OPPOSING LANE O PARKED P MERGING Q TRAVELING WRONG WAY R OTHER*	
WEATHER (MARK 1 TO 2 ITEMS) A CLEAR B CLOUDY C RAINING D SNOWING E FOG / VISIBILITY FT. F OTHER* G WIND	MOTOR VEHICLE INVOLVED WITH A NON-COLLISION B PEDESTRIAN C OTHER MOTOR VEHICLE D MOTOR VEHICLE ON OTHER ROADWAY E PARKED MOTOR VEHICLE F TRAIL G BICYCLE H ANIMAL I FIXED OBJECT J OTHER OBJECT	LIGHTING A DAYLIGHT B DUSK - DAWN C DARK - STREET LIGHTS D DARK - NO STREET LIGHTS E DARK - STREET LIGHTS NOT FUNCTIONING*	OTHER ASSOCIATED FACTOR(S) (MARK 1 TO 2 ITEMS) A VC SECTION VIOLATED: CITED YES <input type="radio"/> NO <input checked="" type="radio"/> B VC SECTION VIOLATED: CITED YES <input type="radio"/> NO <input checked="" type="radio"/> C VC SECTION VIOLATED: CITED YES <input type="radio"/> NO <input checked="" type="radio"/>	SOBRIETY - DRUG (MARK 1 TO 2 ITEMS) A HAD NOT BEEN DRIVING B HBD - UNDER INFLUENCE* C HBD - NOT UNDER INFLUENCE* D HBD - IMPAIRMENT UNKNOWN* E UNDER DRUG INFLUENCE* F IMPAIRMENT - PHYSICAL* G IMPAIRMENT NOT KNOWN H NOT APPLICABLE I SLEEPY / FATIGUED*	
ROADWAY SURFACE A DRY B WET C SNOWY - IY D SLIPPERY (MUDDY, OIL, ETC)	PEDESTRIAN'S ACTIONS A NO PEDESTRIANS INVOLVED B CROSSING IN CROSSWALK - AT INTERSECTION C CROSSING IN CROSSWALK - NOT AT INTERSECTION D CROSSING - NOT IN CROSSWALK E IN ROAD - INCLUDES SHOULDER F NOT IN ROAD G APPROACHING/LEAVING SCHOOL BUS	ROADWAY CONDITIONS (MARK 1 TO 2 ITEMS) A HOLES, DEEP RUT* B LOOSE MATERIAL ON ROADWAY* C OBSTRUCTION ON ROADWAY* D CONSTRUCTION - REPAIR ZONE E REDUCED ROADWAY WIDTH F FLOODING* G OTHER* H NO UNUSUAL CONDITIONS	SOBERETY - DRUG (MARK 1 TO 2 ITEMS) A HAD NOT BEEN DRIVING B HBD - UNDER INFLUENCE* C HBD - NOT UNDER INFLUENCE* D HBD - IMPAIRMENT UNKNOWN* E UNDER DRUG INFLUENCE* F IMPAIRMENT - PHYSICAL* G IMPAIRMENT NOT KNOWN H NOT APPLICABLE I SLEEPY / FATIGUED*	MISCELLANEOUS AOI: SEE NARRATIVE	
SKETCH <div style="text-align: center;">  INDICATE NORTH </div>					

Supplement

STATE OF CALIFORNIA
NARRATIVE/SUPPLEMENTAL
 CHP 558 (Rev 7-90) OPI 042

DATE OF INCIDENT/OCCURRENCE 09/29/2014	TIME (2400) 10:10	NCIC NUMBER 3600	OFFICER I.D. NUMBER B5098	NUMBER 141403205
<input type="checkbox"/> ONE <input type="checkbox"/> Narrative <input type="checkbox"/> Supplemental	<input type="checkbox"/> ONE <input type="checkbox"/> Collision Report <input type="checkbox"/> Other:	TYPE SUPPLEMENTAL ("X" APPLICABLE) <input type="checkbox"/> BA update <input type="checkbox"/> Fatal <input type="checkbox"/> Hit and run update <input type="checkbox"/> Hazardous Materials <input type="checkbox"/> School Bus <input type="checkbox"/> Other:		
CITY/COUNTY/JUDICIAL DISTRICT YUCAIPA/San Bernardino/SB SUP			REPORTING DISTRICT/BEAT YC302 / YC2	CITATION NUMBER
LOCATION/SUBJECT 2ND STREET / AVENUE E / SANDERS			STATE/ HIGHWAY RELATED <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
NOTIFICATION:				
<p>On Monday, September 29th, 2014 I was on patrol in the City of Yucaipa. My call sign was 14X8. I was notified of a non-injury collision in the area of Canterbury Court and 2nd Street. I responded to the collision and arrived on scene at approximately 1034 hours. All measurements are approximate. The measurements were taken with a hand held laser.</p>				
STATEMENTS:				
Tanya Sharp (D1):				
I interviewed Sharp at the scene of the collision on the day of the incident and the following is a summary of her statements to me.				
Sharp was driving her Mercedes west on Canterbury Court as she back the vehicle out of her driveway and down the street to the next driveway. She backed around a blind corner into the driveway of a near by water tower for the Yucaipa Water District. When she entered the driveway she saw a pickup truck backing out of the driveway toward her. She stopped and honked her car horn but the driver of the truck did not stop and the truck struck the rear side area of her vehicle.				
Marcus Sanders (D2):				
I interviewed Sanders at the scene of the collision on the day of the incident and the following is a summary of his statements to me.				
Sanders was driving his work truck south as he backed out of the driveway of the Yucaipa Water District property. Prior to backing up he looked in his mirror and then looked through the rear window and started backing up. As the rear portion of the truck traveled up the grade of the driveway toward Canterbury Court the tail gate blocked his view of the street. He did not see the white Mercedes enter the driveway behind him. He felt the truck collided into something and when he got out of the truck he found he backed into the right rear side of a Mercedes.				
SUMMARY:				
The area of the collision took place on a private street and private driveway. Canterbury Court is located on the east side of 2nd Street and between Avenue E and Burgandy Court. Canterbury Court is a narrow private road that leads to eight				
PREPARERS NAME AND I.D. NUMBER Jonathan Thorp B5098	DATE	REVIEWERS NAME Jeff Bohner	DATE 10/18/2014	

Use previous editions until depleted

Supplement

STATE OF CALIFORNIA
NARRATIVE/SUPPLEMENTAL
 CHP 556 (Rev 7-90) OPI 042

DATE OF INCIDENT/OCCURRENCE 09/29/2014	TIME (2400) 10:10	NCIC NUMBER 3600	OFFICER I.D. NUMBER B5098	NUMBER 141403205
<input type="checkbox"/> ONE <input type="checkbox"/> Narrative <input type="checkbox"/> Supplemental	<input type="checkbox"/> ONE <input type="checkbox"/> Collision Report <input type="checkbox"/> Other:	TYPE SUPPLEMENTAL ("X" APPLICABLE) <input type="checkbox"/> BA update <input type="checkbox"/> Fatal <input type="checkbox"/> Hazardous Materials <input type="checkbox"/> School Bus <input type="checkbox"/> Hit and run update <input type="checkbox"/> Other:		
CITY/COUNTY/JUDICIAL DISTRICT YUCAIPA/San Bernardino/SB SUP			REPORTING DISTRICT/BEAT YC302 /YC2	CITATION NUMBER
LOCATION/SUBJECT 2ND STREET / AVENUE E / SANDERS			STATE/ HIGHWAY RELATED <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
residence and a Yucaipa Water District water tower. The residence are located on the south side of Canterbury Court while the water tower is located on the north side of the street. Sharp backed out of her driveway and turned into the driveway of the Yucaipa Water District property. She stopped when she saw a white truck backing out of the driveway she backed into. Sanders was backing his work truck out of the Yucaipa Water District's driveway when the tail gate of the truck blocked his view of the street because of the driveways grade. He did not see Sharp's vehicle behind him and backed into the right rear side area of her vehicle. Neither driver reported any injuries. The Mercedes received minor damage to the right rear side area of the vehicle and the Chevrolet received minor damage to the right rear corner area of the rear bumper. Both vehicles were released to the drivers. AQI: The AOI was determined by statements and vehicle placement. The AOI was approximately 1.1 feet north of the north roadside edge of Canterbury Court and 485.6 feet east of the east roadside edge of 2nd Street. CAUSE: The cause of the collision was determined by statements, vehicle placement, and vehicle damage. This collision took place on private property located off of a private street (Canterbury Court). Sanders caused the collision by other improper driving. RECOMMENDATIONS : None				
PREPARERS NAME AND I.D. NUMBER Jonathan Thorp B5098		DATE	REVIEWERS NAME Jeff Bohner	
			DATE 10/18/2014	

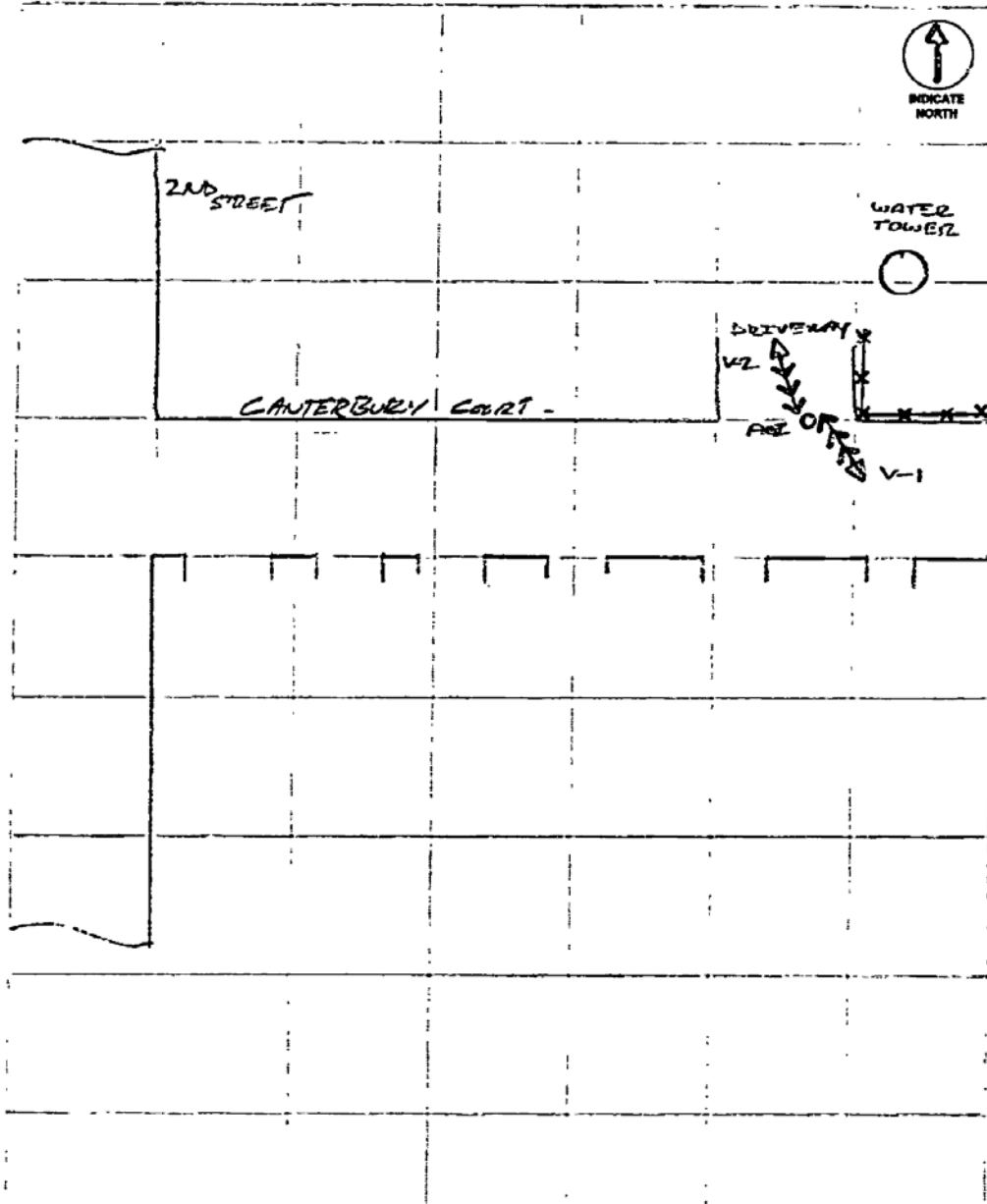
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STATE OF CALIFORNIA
FACTUAL DIAGRAM
CHP 555 Page 4 (Rev. 1-03) OPI 061

Page of

DATE OF COLLISION (MO. DAY YEAR) 09-29-14	TIME (24HR) 1010	HCIC # 3620	OFFICER I.D. B5058	NUMBER 1940205
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ALL MEASUREMENTS ARE APPROXIMATE AND NOT TO SCALE UNLESS STATED (SCALE =)



NOT TO SCALE

PREPARED BY J. THOMPSON	I.D. NUMBER 36058	MO. DAY YEAR 10-11-14	REVIEWER'S NAME	MO. DAY YEAR
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CHP 05 75578

Print Form

Submit by Email



Yucaipa Valley Water District

Incident Reporting Form

This report is to be completed by each person involved in an incident or near miss incident while engaged in activities for the Yucaipa Valley Water District.

Complete this report and submit to the Executive Secretary at the Office of the General Manager within one business day.

Incident Near Miss Incident Other Reportable Issue

Type of Occurrence Serious / Major Injury Minor Injury Spill No Loss Incident Property Damage Construction Site Incident Equipment Loss / Damage

Incident Date Time of Incident Report Date

Location of Incident

Name of Person Reporting Incident

Contact Phone

Supervisor In Charge

Name All Other District Employees Involved in this Incident

Injury or Illness	Spill	Exposure	Other Loss Type
Nature of Illnes or Injury	Material	Material/Noise Exposed to	Description of Loss
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Object Inflicting Harm	Quantity	Quantity	Estimated Cost of Loss
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Part of Body	Reason for Spill	Reason for Exposure	Nature of Loss
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Describe the incident in detail. Mention if photographs or other information is attached to the original report.

On Wednesday morning of September 29th 2014, at 0950 I finished taking reads at Booster 12.2 and finished locking up the premise. After putting my seat belt on and checking my rear/side view mirrors, it appeared that the path was clear for me to begin to pull out. As I began to turn the wheel to enter the main access road of Canterbury, I felt a light thud against the truck. I immediately stopped to get out of the truck to see what the noise was when I saw that a white in color, 1999 Mercedes was there. The woman (Tanya Sharp) originally did not want to exchange information until she saw there was a dent by her passenger side rear door(see attachments). I took down her information to include drivers license, vehicle insurance, car make and model, phone number etc.(see attachments). Yucaipa Sheriffs were called at 1015 Mike Kostelecky. Sheriff arrived on scene at 1045. Deputy Sheriff J. Thorp took the information of both Ms. Sharp and myself. The incident report Deputy Thorp issued is 141403205.

I was also informed by Deputy Thorp that due to the nature of the scene of the accident, he would have to get back to us on who would be at fault since Ms. Sharp and I were both backing out and she was in a blind spot. Deputy Thorp informed me that his his report would be available in 3-5 business days. Other information are as follows:

Other involved party- Ms. Sharp, Tanya Lee, Drivers license number is B6316089. Address on license is 1401 W 9th st sp60 Pomona, CA 91766. Dob 01/09/1981. Cell phone number is (909)565-0717.

Make/Model- 1999 Mercedes/C230. White in color. License plate number is 6RIC887. VIN# WDBHA24G0XA761925.

Auto insurance- Company is Access Insurance Company. NAIC code 11711. Policy Number ACA032912601. Name on policy is Jesus Villanueva.

Officer on scene- Deputy Sheriff J. Thorp of San Bernardino County Sheriff's Department, Yucaipa Station.

Describe the injury including the body part and extent of injury.

What treatment was required at the scene? First Aid Emergency Transport Other

Check if police were notified about incident Date Time

Name of Responding Officer Police Agency

Anyone else notified of incident

Witness - Name, Address, and Phone	Witness - Name, Address, and Phone	Witness - Name, Address, and Phone
Witness - Name, Address, and Phone	Witness - Name, Address, and Phone	Witness - Name, Address, and Phone

Recommended corrective action to be taken to prevent a similar incident from occurring in the future.

Pull into site to allow room to turn around and pull out safely.

Prepared By Signature Date

Attach if Applicable/Available: Sketch, drawing, photographs, and/or additional explanation as required.

Reviewer Information	Concluding Reviewers Comments:		
	Dangerous Occurrence? Y or N	Date Reported to Executive Team:	SL File #:
	Signature of Reviewer:	Date Reviewed:	Follow Up Date:
	Corrective Action Taken:	Date Concluded:	







Director Comments



Yucaipa Valley Water District



FACTS ABOUT THE YUCAIPA VALLEY WATER DISTRICT

Service Area Size: 40 square miles (sphere of influence is 68 square miles)

Elevation Change: 3,140 foot elevation change (from 2,044 to 5,184 feet)

Number of Employees: 5 elected board members
57 full time employees

Operating Budget: Water Division - \$13,072,750
Sewer Division - \$11,689,000
Recycled Water Division - \$433,500
Total Annual Budget - \$25,195,250

Number of Services: 12,206 water connections serving 16,843 units
13,492 sewer connections serving 20,312 units
62 recycled water connections

Water System: 215 miles of drinking water pipelines
27 reservoirs - 34 million gallons of storage capacity
18 pressure zones
12,000 ac-ft annual water demand (3.9 billion gallons)
Two water filtration facilities:
- 1 mgd at Oak Glen Surface Water Filtration Facility
- 12 mgd at Yucaipa Valley Regional Water Filtration Facility

Sewer System: 8.0 million gallon treatment capacity - current flow at 4.0 mgd
205 miles of sewer mainlines
5 sewer lift stations
4,500 ac-ft annual recycled water prod. (1.46 billion gallons)

Recycled Water: 22 miles of recycled water pipelines
5 reservoirs - 12 million gallons of storage
1,200 ac-ft annual recycled demand (0.4 billion gallons)

Brine Disposal: 2.2 million gallon desalination facility at sewer treatment plant
1.108 million gallons of Inland Empire Brine Line capacity
0.295 million gallons of treatment capacity in Orange County



THE MEASUREMENT OF WATER PURITY

One part per hundred is generally represented by the percent (%).
This is equivalent to about fifteen minutes out of one day.

One part per thousand denotes one part per 1000 parts.
This is equivalent to about one and a half minutes out of one day.

One part per million (ppm) denotes one part per 1,000,000 parts.
This is equivalent to about 32 seconds out of a year.

One part per billion (ppb) denotes one part per 1,000,000,000 parts.
This is equivalent to about three seconds out of a century.

One part per trillion (ppt) denotes one part per 1,000,000,000,000 parts.
This is equivalent to about three seconds out of every hundred thousand years.

One part per quadrillion (ppq) denotes one part per 1,000,000,000,000,000 parts.
This is equivalent to about two and a half minutes out of the age of the Earth (4.5 billion years).





GLOSSARY OF COMMONLY USED TERMS

Every profession has specialized terms which generally evolve to facilitate communication between individuals. The routine use of these terms tends to exclude those who are unfamiliar with the particular specialized language of the group. Sometimes jargon can create communication cause difficulties where professionals in related fields use different terms for the same phenomena.

Below are commonly used water terms and abbreviations with commonly used definitions. If there is any discrepancy in definitions, the District's Regulations Governing Water Service is the final and binding definition.

Acre Foot of Water - The volume of water (325,850 gallons, or 43,560 cubic feet) that would cover an area of one acre to a depth of 1 foot.

Activated Sludge Process – A secondary biological sewer treatment process where bacteria reproduce at a high rate with the introduction of excess air or oxygen, and consume dissolved nutrients in the wastewater.

Annual Water Quality Report - The document is prepared annually and provides information on water quality, constituents in the water, compliance with drinking water standards and educational material on tap water. It is also referred to as a Consumer Confidence Report (CCR).

Aquifer - The natural underground area with layers of porous, water-bearing materials (sand, gravel) capable of yielding a supply of water; see Groundwater basin.

Backflow - The reversal of water's normal direction of flow. When water passes through a water meter into a home or business it should not reverse flow back into the water mainline.

Best Management Practices (BMPs) - Methods or techniques found to be the most effective and practical means in achieving an objective. Often used in the context of water conservation.

Biochemical Oxygen Demand (BOD) – The amount of oxygen used when organic matter undergoes decomposition by microorganisms. Testing for BOD is done to assess the amount of organic matter in water.

Biosolids – Biosolids are nutrient rich organic and highly treated solid materials produced by the sewer treatment process. This high-quality product can be used as a soil amendment on farm land or further processed as an earth-like product for commercial and home gardens to improve and maintain fertile soil and stimulate plant growth.

Catch Basin – A chamber usually built at the curb line of a street, which conveys surface water for discharge into a storm sewer.

Capital Improvement Program (CIP) – Projects for repair, rehabilitation, and replacement of assets. Also includes treatment improvements, additional capacity, and projects for the support facilities.

Collector Sewer – The first element of a wastewater collection system used to collect and carry wastewater from one or more building sewer laterals to a main sewer.

Coliform Bacteria – A group of bacteria found in the intestines of humans and other animals, but also occasionally found elsewhere and is generally used as an indicator of sewage pollution.

Combined Sewer Overflow – The portion of flow from a combined sewer system, which discharges into a water body from an outfall located upstream of a wastewater treatment plant, usually during wet weather conditions.

Combined Sewer System– Generally older sewer systems designed to convey both sewage and storm water into one pipe to a wastewater treatment plant.

Conjunctive Use - The coordinated management of surface water and groundwater supplies to maximize the yield of the overall water resource. Active conjunctive use uses artificial recharge, where surface water is intentionally percolated or injected into aquifers for later use. Passive conjunctive use is to simply rely on surface water in wet years and use groundwater in dry years.

Consumer Confidence Report (CCR) - see Annual Water Quality Report.

Cross-Connection - The actual or potential connection between a potable water supply and a non-potable source, where it is possible for a contaminant to enter the drinking water supply.

Disinfection By-Products (DBPs) - The category of compounds formed when disinfectants in water systems react with natural organic matter present in the source water supplies. Different disinfectants produce different types or amounts of disinfection byproducts. Disinfection byproducts for which regulations have been established have been identified in drinking water, including trihalomethanes, haloacetic acids, bromate, and chlorite

Drought - a period of below average rainfall causing water supply shortages.

Dry Weather Flow – Flow in a sanitary sewer during periods of dry weather in which the sanitary sewer is under minimum influence of inflow and infiltration.

Fire Flow - The ability to have a sufficient quantity of water available to the distribution system to be delivered through fire hydrants or private fire sprinkler systems.

Gallons per Capita per Day (GPCD) - A measurement of the average number of gallons of water use by the number of people served each day in a water system. The calculation is made by dividing the total gallons of water used each day by the total number of people using the water system.

Groundwater Basin - An underground body of water or aquifer defined by physical boundaries.

Groundwater Recharge - The process of placing water in an aquifer. Can be a naturally occurring process or artificially enhanced.

Hard Water - Water having a high concentration of minerals, typically calcium and magnesium ions.

Hydrologic Cycle - The process of evaporation of water into the air and its return to earth in the form of precipitation (rain or snow). This process also includes transpiration from plants, percolation into the ground, groundwater movement, and runoff into rivers, streams and the ocean; see Water cycle.

Infiltration – Water other than sewage that enters a sewer system and/or building laterals from the ground through defective pipes, pipe joints, connections, or manholes. Infiltration does not include inflow. See *Inflow*.

Inflow - Water other than sewage that enters a sewer system and building sewer from sources such as roof vents, yard drains, area drains, foundation drains, drains from springs and swampy areas, manhole covers, cross connections between storm drains and sanitary sewers, catch basins, cooling towers, storm waters, surface runoff, street wash waters, or drainage. Inflow does not include infiltration. See *Infiltration*.

Inflow / Infiltration (I/I) – The total quantity of water from both inflow and infiltration.

Mains, Distribution - A network of pipelines that delivers water (drinking water or recycled water) from transmission mains to residential and commercial properties, usually pipe diameters of 4" to 16".

Mains, Transmission - A system of pipelines that deliver water (drinking water or recycled water) from a source of supply the distribution mains, usually pipe diameters of greater than 16".

Meter - A device capable of measuring, in either gallons or cubic feet, a quantity of water delivered by the District to a service connection.

Overdraft - The pumping of water from a groundwater basin or aquifer in excess of the supply flowing into the basin. This pumping results in a depletion of the groundwater in the basin which has a net effect of lowering the levels of water in the aquifer.

Peak Flow – The maximum flow that occurs over a specific length of time (e.g., daily, hourly, instantaneously).

Pipeline - Connected piping that carries water, oil or other liquids. See Mains, Distribution and Mains, Transmission.

Point of Responsibility, Metered Service - The connection point at the outlet side of a water meter where a landowner's responsibility for all conditions, maintenance, repairs, use and replacement of water service facilities begins, and the District's responsibility ends.

Potable Water - Water that is used for human consumption and regulated by the California Department of Public Health.

Pressure Reducing Valve - A device used to reduce the pressure in a domestic water system when the water pressure exceeds desirable levels.

Pump Station - A drinking water or recycled water facility where pumps are used to push water up to a higher elevation or different location.

Reservoir - A water storage facility where water is stored to be used at a later time for peak demands or emergencies such as fire suppression. Drinking water and recycled water systems will typically use concrete or steel reservoirs. The State Water Project system considers lakes, such as Shasta Lake and Folsom Lake to be water storage reservoirs.

Runoff - Water that travels downward over the earth's surface due to the force of gravity. It includes water running in streams as well as over land.

Sanitary Sewer System - Sewer collection system designed to carry sewage, consisting of domestic, commercial, and industrial wastewater. This type of system is not designed nor intended to carry water from rainfall, snowmelt, or groundwater sources. See *Combined Sewer System*.

Sanitary Sewer Overflow – Overflow from a sanitary sewer system caused when total wastewater flow exceeds the capacity of the system. See *Combined Sewer Overflow*.

Santa Ana River Interceptor (SARI) Line – A regional brine line designed to convey 30 million gallons per day of non-reclaimable wastewater from the upper Santa Ana River basin to the sewer treatment plant operated by Orange County Sanitation District.

Secondary Treatment – Biological sewer treatment, particularly the activated-sludge process, where bacteria and other microorganisms consume dissolved nutrients in wastewater.

Supervisory Control and Data Acquisition (SCADA) - A computerized system which provides the ability to remotely monitor and control water system facilities such as reservoirs, pumps and other elements of water delivery.

Service Connection - The water piping system connecting a customer's system with a District water main beginning at the outlet side of the point of responsibility, including all plumbing and equipment located on a parcel required for the District's provision of water service to that parcel.

Sludge – Untreated solid material created by the treatment of sewage.

Smart Irrigation Controller - A device that automatically adjusts the time and frequency which water is applied to landscaping based on real-time weather such as rainfall, wind, temperature and humidity.

Special District - A political subdivision of a state established to provide a public services, such as water supply or sanitation, within a specific geographic area.

Surface Water - Water found in lakes, streams, rivers, oceans or reservoirs behind dams.

Total Suspended Solids (TSS) – The amount of solids floating and in suspension in water or sewage.

Transpiration - The process by which water vapor is released into the atmosphere by living plants.

Trickling Filter – A biological secondary treatment process in which bacteria and other microorganisms, growing as slime on the surface of rocks or plastic media, consume nutrients in primary treated sewage as it trickles over them.

Underground Service Alert (USA) - A free service that notifies utilities such as water, telephone, cable and sewer companies of pending excavations within the area (dial 8-1-1 at least 2 working days before you dig).

Urban Runoff - Water from city streets and domestic properties that typically carries pollutants into the storm drains, rivers, lakes, and oceans.

Valve - A device that regulates, directs or controls the flow of water by opening, closing or partially obstructing various passageways.

Wastewater – Any water that enters the sanitary sewer.

Water Banking - The practice of actively storing or exchanging in-lieu surface water supplies in available groundwater basin storage space for later extraction and use by the storing party or for sale or exchange to a third party. Water may be banked as an independent operation or as part of a conjunctive use program.

Water cycle - The continuous movement water from the earth's surface to the atmosphere and back again; see Hydrologic cycle.

Water Pressure - Pressure created by the weight and elevation of water and/or generated by pumps that deliver water to the tap.

Water Service Line - The pipeline that delivers potable water to a residence or business from the District's water system. Typically the water service line is a 1" to 1½" diameter pipe for residential properties.

Watershed - A region or land area that contributes to the drainage or catchment area above a specific point on a stream or river.

Water Table - The upper surface of the zone of saturation of groundwater in an unconfined aquifer.

Water Transfer - A transaction, in which a holder of a water right or entitlement voluntarily sells/exchanges to a willing buyer the right to use all or a portion of the water under that water right or entitlement.

Water Well - A hole drilled into the ground to tap an underground water aquifer.

Wetlands - Lands which are fully saturated or under water at least part of the year, like seasonal vernal pools or swamps.

Wet Weather Flow – Dry weather flow combined with stormwater introduced into a combined sewer system, and dry weather flow combined with infiltration/inflow into a separate sewer system.





COMMONLY USED ABBREVIATIONS

AQMD	Air Quality Management District
BOD	Biochemical Oxygen Demand
CARB	California Air Resources Board
CCTV	Closed Circuit Television
CWA	Clean Water Act
EIR	Environmental Impact Report
EPA	U.S. Environmental Protection Agency
FOG	Fats, Oils, and Grease
GPD	Gallons per day
MGD	Million gallons per day
O & M	Operations and Maintenance
OSHA	Occupational Safety and Health Administration
POTW	Publicly Owned Treatment Works
PPM	Parts per million
RWQCB	Regional Water Quality Control Board
SARI	Santa Ana River Inceptor
SAWPA	Santa Ana Watershed Project Authority
SBVMWD	San Bernardino Valley Municipal Water District
SCADA	Supervisory Control and Data Acquisition system
SSMP	Sanitary Sewer Management Plan
SSO	Sanitary Sewer Overflow
SWRCB	State Water Resources Control Board
TDS	Total Dissolved Solids
TMDL	Total Maximum Daily Load
TSS	Total Suspended Solids
WDR	Waste Discharge Requirements
YVWD	Yucaipa Valley Water District