



# Yucaipa Valley Water District

## Notice and Agenda of a Board Workshop

Tuesday, April 26, 2016 at 4:00 p.m.

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MEETING LOCATION: District Administration Building  
12770 Second Street, Yucaipa

MEMBERS OF THE BOARD: Director Ken Munoz, Division 1  
Director Bruce Granlund, Division 2  
Director Jay Bogh, Division 3  
Director Lonni Granlund, Division 4  
Director Tom Shalhoub, Division 5

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- I. **Call to Order**
- II. **Public Comments** At this time, members of the public may address the Board of Directors on matters within its jurisdiction; however, no action or significant discussion may take place on any item not on the meeting agenda.
- III. **Staff Report**
- IV. **Administrative Issues**
  - A. Overview of the Operating Budget and Capital Improvement Plan for Fiscal Year 2017  
[\[Workshop Memorandum No. 16-076 - Page 6 of 27\]](#)
- V. **Director Comments**
- VI. **Adjournment**

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Any person with a disability who requires accommodation in order to participate in this meeting should telephone Erin Anton 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 workshop 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](http://www.yvwd.dst.ca.us)


# Staff Report



Yucaipa Valley Water District

**NOTICE TO STATE WATER PROJECT CONTRACTORS**

**Date:** APR 21 2016  
**Number:** 16 - 06  
**Subject:** 2016 State Water Project Allocation – 60 Percent

**From:**   
**Mark E. Andersen**  
**Acting Deputy Director**  
Department of Water Resources

The Department of Water Resources (DWR) is increasing the allocation of 2016 State Water Project (SWP) water for the long-term contractors from 1,898,964 acre-feet to 2,527,629 acre-feet. Due primarily to March storms, SWP supplies are projected to increase from 45 percent to 60 percent of most SWP contractors' requests for Table A water, which totals 4,172,786 acre-feet. Attached is the updated 2016 SWP Allocation Table.

In addition, DWR received requests for delivery of SWP contractors' allocated carryover water from previous years totaling 184,274 acre-feet based on the 2015 Water Delivery Finalization Report. DWR approves all requested carryover water for delivery in 2016.

This allocation increase is made consistent with the current and projected hydrological conditions and also with the long-term water supply contracts and public policy. DWR considered several factors, including California's persistent drought evidenced by below normal snow accumulation and continued low storage in SWP facilities located south of the Delta; SWP operational constraints under its water right permits; the Biological Opinions for Delta Smelt and Salmon; the Longfin Smelt incidental take permit; and the 2016 contractors demands.

If you have any questions or need additional information, please contact Craig J. Trombly, Acting Chief, State Water Project Analysis Office, at (916) 653-4547.

Attachment

**2016 STATE WATER PROJECT ALLOCATION  
(ACRE-FEET)**

| SWP CONTRACTORS                   | TABLE A<br><br>(1) | INITIAL<br>REQUEST<br><br>(2) | APPROVED<br>ALLOCATION<br><br>(3) | PERCENT<br>INITIAL<br>REQUEST<br>APPROVED<br><br>(3)/(2)<br>(4) |
|-----------------------------------|--------------------|-------------------------------|-----------------------------------|---|
| <b><u>FEATHER RIVER</u></b>       |                    |                               |                                   |   |
| County of Butte                   | 27,500             | 27,500                        | 27,500                            | 100%  |
| Plumas County FC&WCD              | 2,700              | 2,700                         | 1,620                             | 60%   |
| City of Yuba City                 | 9,600              | 9,600                         | 7,200                             | 75%   |
| <b>Subtotal</b>                   | <b>39,800</b>      | <b>39,800</b>                 | <b>36,320</b>                     |   |
| <b><u>NORTH BAY</u></b>           |                    |                               |                                   |   |
| Napa County FC&WCD                | 29,025             | 29,025                        | 21,769                            | 75%   |
| Solano County WA                  | 47,756             | 47,756                        | 35,817                            | 75%   |
| <b>Subtotal</b>                   | <b>76,781</b>      | <b>76,781</b>                 | <b>57,586</b>                     |   |
| <b><u>SOUTH BAY</u></b>           |                    |                               |                                   |   |
| Alameda County FC&WCD, Zone 7     | 80,619             | 80,619                        | 48,371                            | 60%   |
| Alameda County WD                 | 42,000             | 42,000                        | 25,200                            | 60%   |
| Santa Clara Valley WD             | 100,000            | 100,000                       | 60,000                            | 60%   |
| <b>Subtotal</b>                   | <b>222,619</b>     | <b>222,619</b>                | <b>133,571</b>                    |   |
| <b><u>SAN JOAQUIN VALLEY</u></b>  |                    |                               |                                   |   |
| Oak Flat WD                       | 5,700              | 5,700                         | 3,420                             | 60%   |
| County of Kings                   | 9,305              | 9,305                         | 5,583                             | 60%   |
| Dudley Ridge WD                   | 45,350             | 45,350                        | 27,210                            | 60%   |
| Empire West Side ID               | 3,000              | 3,000                         | 1,800                             | 60%   |
| Kern County WA                    | 982,730            | 982,730                       | 589,638                           | 60%   |
| Tulare Lake Basin WSD             | 87,471             | 87,471                        | 52,483                            | 60%   |
| <b>Subtotal</b>                   | <b>1,133,556</b>   | <b>1,133,556</b>              | <b>680,134</b>                    |   |
| <b><u>CENTRAL COASTAL</u></b>     |                    |                               |                                   |   |
| San Luis Obispo County FC&WCD     | 25,000             | 25,000                        | 15,000                            | 60%   |
| Santa Barbara County FC&WCD       | 45,486             | 45,486                        | 27,292                            | 60%   |
| <b>Subtotal</b>                   | <b>70,486</b>      | <b>70,486</b>                 | <b>42,292</b>                     |   |
| <b><u>SOUTHERN CALIFORNIA</u></b> |                    |                               |                                   |   |
| Antelope Valley-East Kern WA      | 144,844            | 144,844                       | 86,906                            | 60%   |
| Castaic Lake WA                   | 95,200             | 95,200                        | 57,120                            | 60%   |
| Coachella Valley WD               | 138,350            | 138,350                       | 83,010                            | 60%   |
| Crestline-Lake Arrowhead WA       | 5,800              | 5,800                         | 3,480                             | 60%   |
| Desert WA                         | 55,750             | 55,750                        | 33,450                            | 60%   |
| Littlerock Creek ID               | 2,300              | 2,300                         | 1,380                             | 60%   |
| Metropolitan WDSC                 | 1,911,500          | 1,911,500                     | 1,146,900                         | 60%   |
| Mojave WA                         | 85,800             | 85,800                        | 51,480                            | 60%   |
| Palmdale WD                       | 21,300             | 21,300                        | 12,780                            | 60%   |
| San Bernardino Valley MWD         | 102,600            | 102,600                       | 61,560                            | 60%   |
| San Gabriel Valley MWD            | 28,800             | 28,800                        | 17,280                            | 60%   |
| San Geronio Pass WA               | 17,300             | 17,300                        | 10,380                            | 60%   |
| Ventura County WPD                | 20,000             | 20,000                        | 12,000                            | 60%   |
| <b>Subtotal</b>                   | <b>2,629,544</b>   | <b>2,629,544</b>              | <b>1,577,726</b>                  |   |
| <b>TOTAL</b>                      | <b>4,172,786</b>   | <b>4,172,786</b>              | <b>2,527,629</b>                  |   |

# Administrative Issues



Yucaipa Valley Water District





**Date:** April 26, 2016

**Subject:** Overview of the Operating Budget and Capital Improvement Plan for Fiscal Year 2017

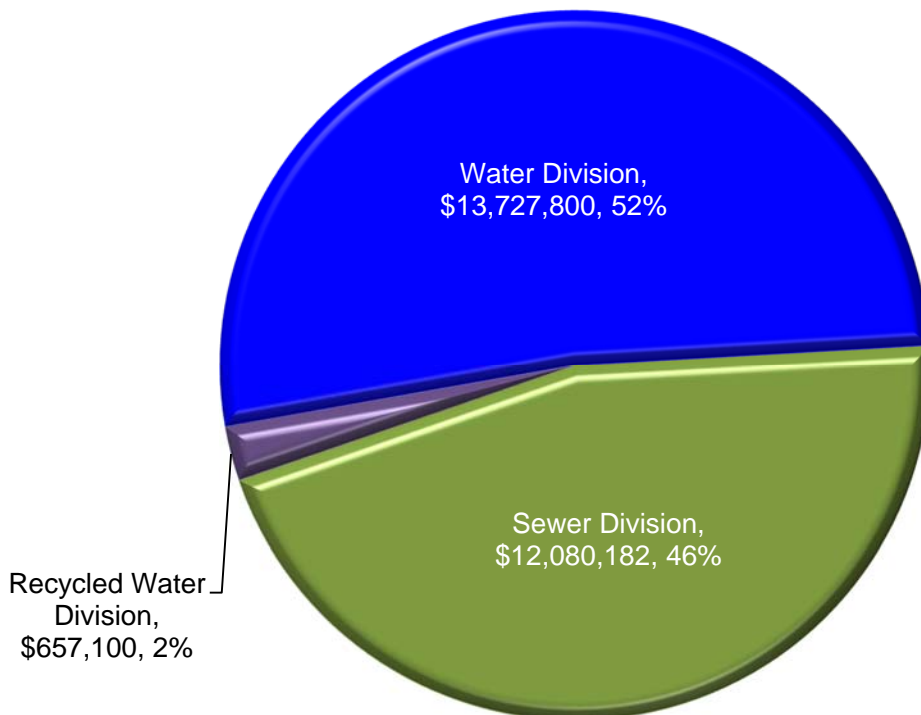
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The Fiscal Year 2017 Operating and Capital Improvement Budget has been developed based on projections of recovering from a long-term drought which is expected to significantly reduce anticipated revenues in the Water Division. The Board of Directors should consider implementing revenue adjustments in a manner that is consistent with San Juan Capistrano's tiered water rate case that requires the structure of municipal water rates to be based on the actual cost of service.

During the budget workshop, the District staff will be providing a detailed overview for each individual line item of the drinking water, sewer and recycled water enterprises of the District.

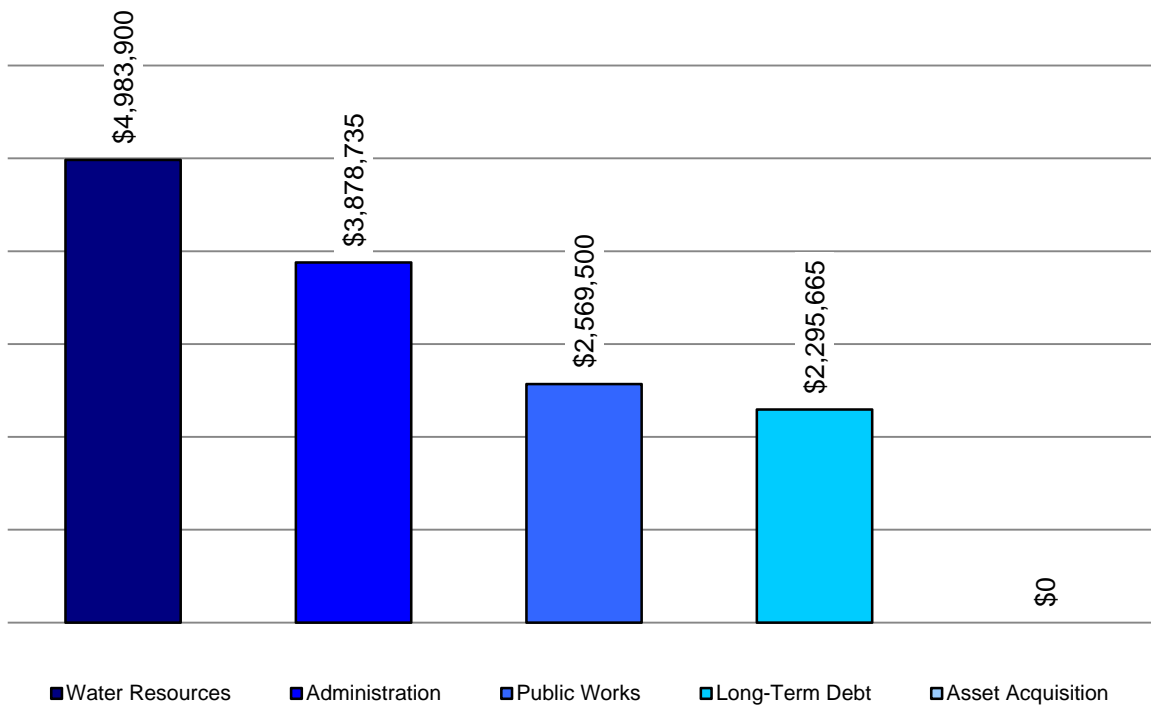
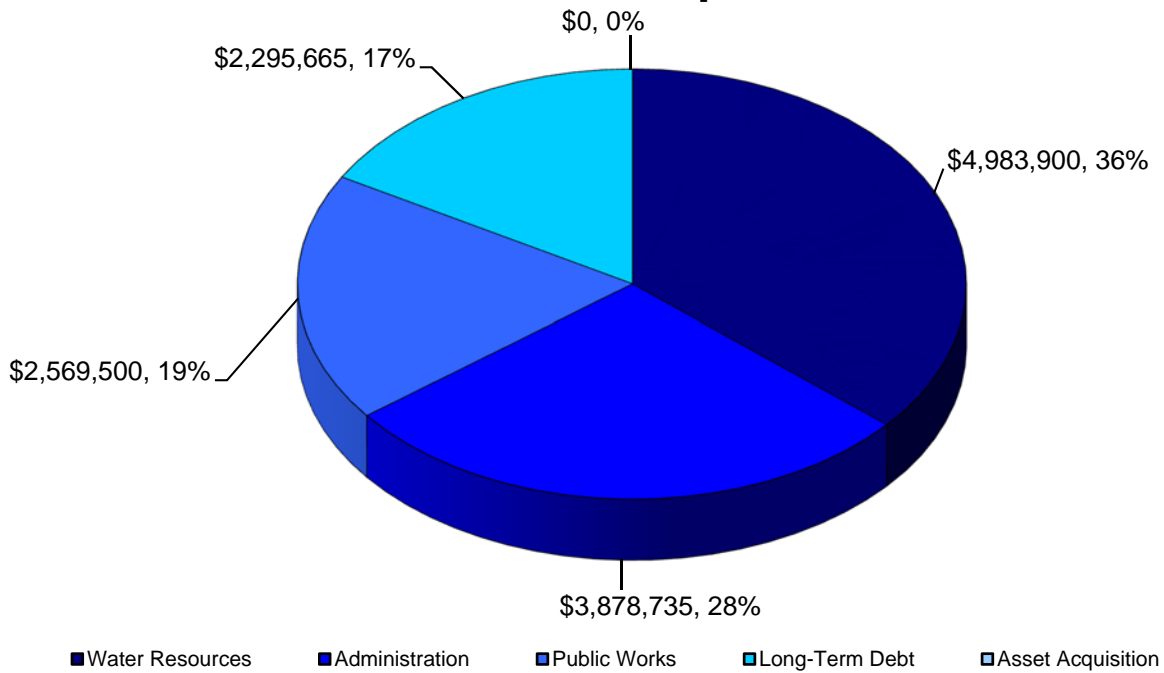
### Budget Overview

The Fiscal Year 2017 operating budget totals \$26,465,082 (excluding capital improvement projects) distinguished by the following three enterprise funds.

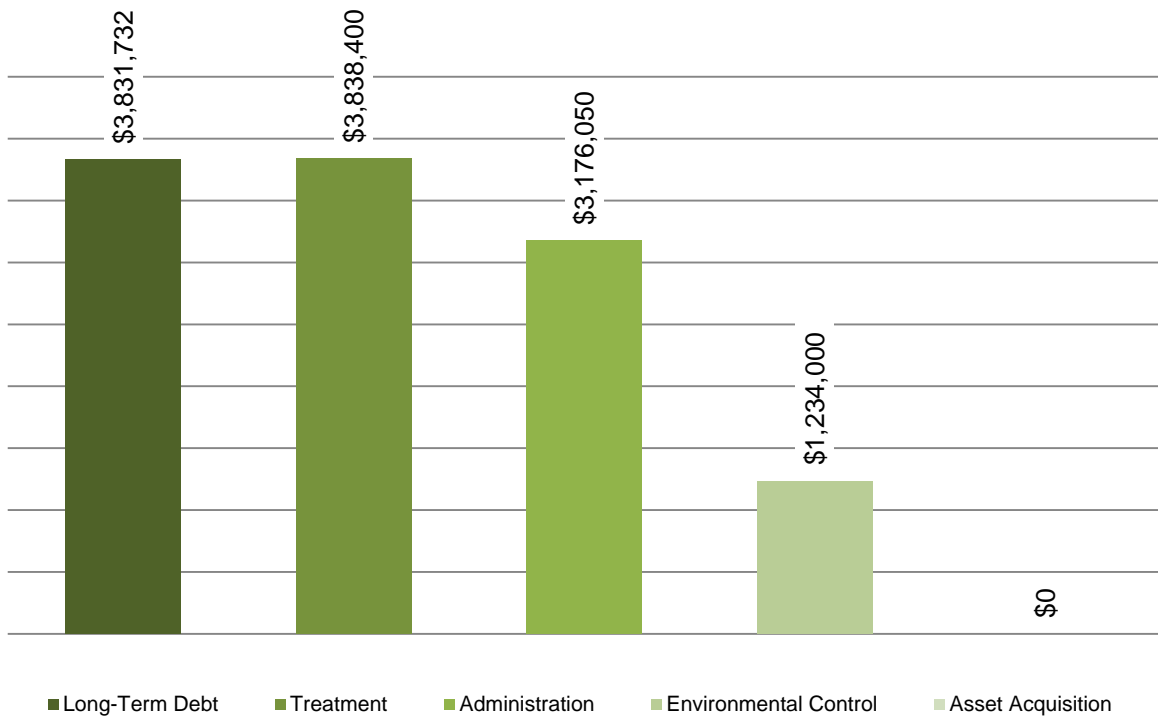
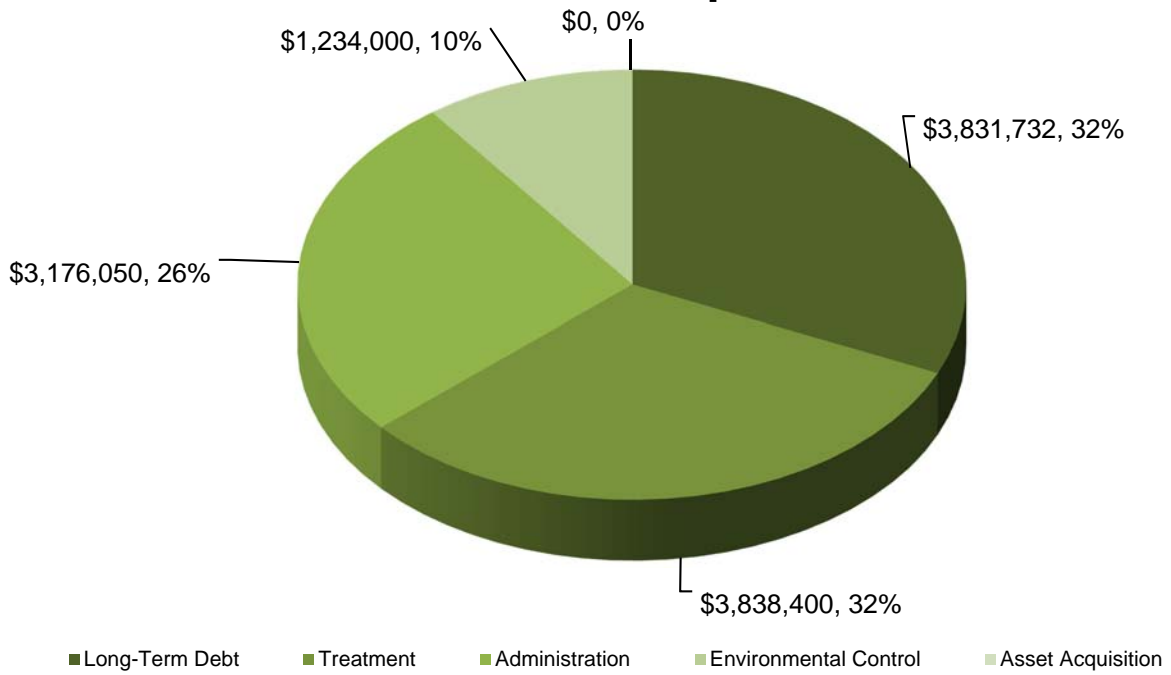


The departmental expenses for each of the enterprise funds are also provided below:

### Water Division Expenditures

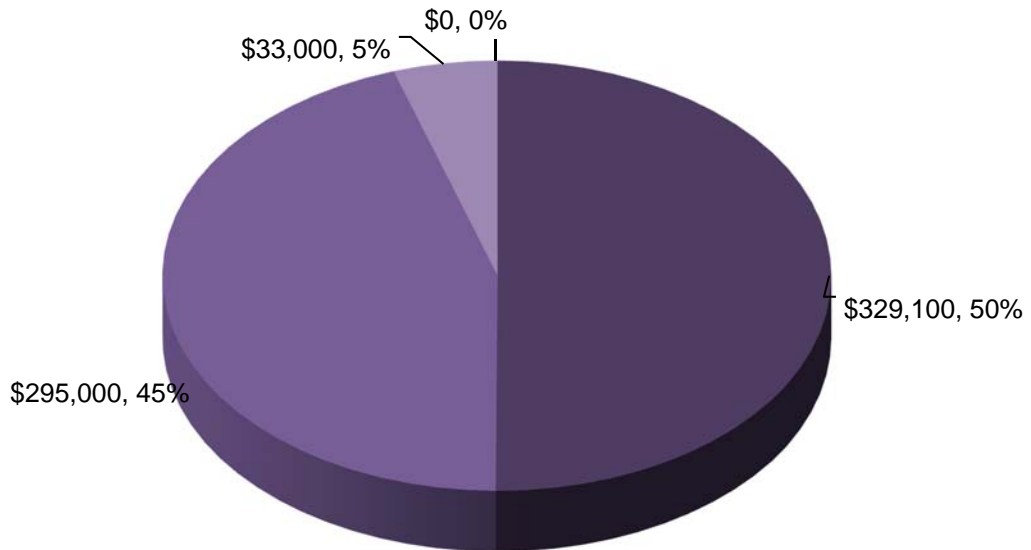


## Sewer Division Expenditures

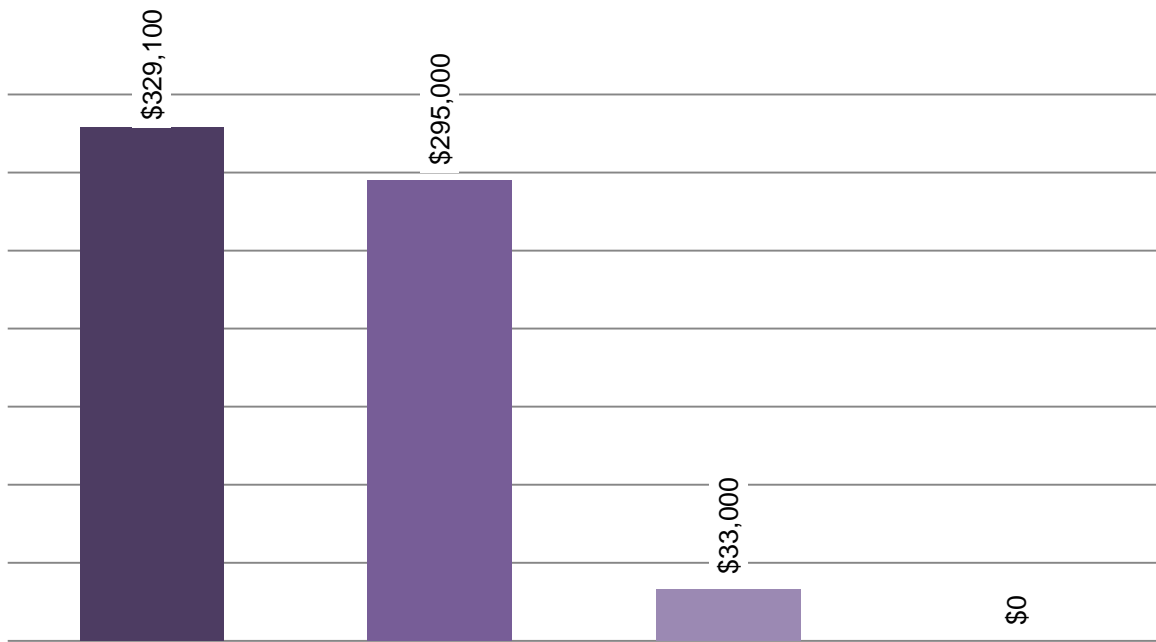




# Recycled Water Division Expenditures



■ Labor and Benefits   ■ Operational Expenses   ■ Reserves & Infrastructure Replacement   ■ Asset Acquisition



■ Labor and Benefits   ■ Operational Expenses   ■ Reserves & Infrastructure Replacement   ■ Asset Acquisition

## WATER DIVISION BUDGET

Fiscal Year 2017

| OPERATING REVENUE:                                   | G/L Number | Adopted Budget<br>Fiscal Year 2016 | Adopted Budget<br>Fiscal Year 2017 |
|--|------------|------------------------------------|------------------------------------|
| Potable Water - Commodity Charge                     | 02-40010   | 6,165,000                          | 6,000,000                          |
| Construction Water - Commodity Charge                | 02-40011   | 20,000                             | 20,000                             |
| Imported Water - San Gorgonio Pass W.A.              | 02-40012   | 250,000                            | 250,000                            |
| Imported Water - San Bernardino Valley M.W.D.        | 02-40013   | 850,000                            | 850,000                            |
| Potable Water - Commodity Multi-Unit Discount        | 02-40014   | (130,000)                          | (105,000)                          |
| Water Wholesale Revenue                              | 02-40015   | 70,000                             | 237,600                            |
| Water Service Establishment Fee                      | 02-40016   | 3,000                              | 5,000                              |
| Potable Water - Service Demand Charge                | 02-41000   | 3,000,000                          | 3,173,000                          |
| Fire Service Standby Fee                             | 02-41001   | 25,000                             | 30,000                             |
| Construction Water - Service Charge                  | 02-41003   | 14,000                             | 15,000                             |
| Potable Water - Service Charge Multi-Unit Discount   | 02-41005   | (120,000)                          | (135,000)                          |
| Unauthorized Use of Water Charges                    | 02-41010   | 2,000                              | 2,000                              |
| Water Meter & Service Installation Charges           | 02-41110   | 35,000                             | 65,000                             |
| Fire Flow Measurements & Reports                     | 02-41112   | 3,500                              | 3,500                              |
| Disconnection and Reconnection Charges               | 02-41113   | 130,000                            | 125,000                            |
| Delinquent Payment Charges                           | 02-41121   | 150,000                            | 125,000                            |
| Management & Accounting Services                     | 02-42123   | 160,000                            | 160,000                            |
| Bad Debt Write-Off & Recovery                        | 02-42124   | (20,000)                           | (20,000)                           |
| <b>Total Operating Revenue</b>                       |            | 10,607,500                         | 10,801,100                         |
|  |            |                                    |                                    |
| NON-OPERATING REVENUE:                               |            |                                    |                                    |
| Transfer - Reserve Fund to Asset Acquisition         |            | -                                  | -                                  |
| Transfer - Dev. Impact Fees to 2004A Debt Service    |            | -                                  | -                                  |
| Transfer - Rate Stabilization Fund to Water Division |            | -                                  | -                                  |
| Interest Earned                                      | 02-43010   | 15,000                             | 30,000                             |
| Property Tax-Unsecured                               | 02-43110   | 110,000                            | 115,000                            |
| Property Tax-Secured                                 | 02-43120   | 2,400,000                          | 2,500,000                          |
| Tax Collection-Prior                                 | 02-43130   | 15,000                             | 20,000                             |
| Other Taxes  | 02-43140   | 185,000                            | 160,000                            |
| Rental Income - Water Stock                          | 02-49110   | -                                  | 1,700                              |
| Miscellaneous Non-Operating Revenue                  | 02-49150   | 80,000                             | 100,000                            |
| <b>Total Non-Operating Revenue</b>                   |            | 2,805,000                          | 2,926,700                          |
|  |            |                                    |                                    |
| <b>TOTAL WATER REVENUE</b>                           |            | <b>13,412,500</b>                  | <b>13,727,800</b>                  |

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|                                |  |            |            |
|--------------------------------|--|------------|------------|
| OPERATING EXPENSE              |  |            |            |
| Water Resource Department      |  | 5,050,200  | 4,983,900  |
| Public Works Department        |  | 2,385,800  | 2,569,500  |
| Administration Department      |  | 3,682,486  | 3,878,735  |
| Long-Term Debt Obligations     |  | 2,294,014  | 2,295,665  |
| Asset Acquisition              |  | -          | -          |
| <b>Total Operating Expense</b> |  | 13,412,500 | 13,727,800 |

**TOTAL WATER EXPENSES                    13,412,500                    13,727,800**

## WATER DIVISION BUDGET

### Fiscal Year 2017

| WATER RESOURCE DEPARTMENT                    | G/L Number    | Adopted Budget<br>Fiscal Year 2016 | Adopted Budget<br>Fiscal Year 2017 |
|--|---------------|------------------------------------|------------------------------------|
| Labor  | 02-5-01-50010 | 884,000                            | 935,000                            |
| Benefits                                     | 02-5-01-500xx | 424,200                            | 460,150                            |
| Repair & Maintenance - Structures            | 02-5-01-51003 | 275,000                            | 200,000                            |
| Repair & Maintenance - Valves                | 02-5-01-51011 | 10,000                             | 7,500                              |
| General Supplies & Expenses                  | 02-5-01-51140 | 2,000                              | 1,250                              |
| Power Purchases                              | 02-5-01-51210 | 1,650,000                          | 1,400,000                          |
| Electricity and Fuel                         | 02-5-01-51211 | 5,000                              | 5,000                              |
| Imported Water Purchases                     | 02-5-01-51316 | 1,100,000                          | 1,100,000                          |
| Licenses & Permits                           | 02-5-01-54019 | 25,000                             | 25,000                             |
| Laboratory Services                          | 02-5-01-54110 | 75,000                             | 75,000                             |
| Operation, Repair & Maintenance - YVRWFF     | 02-5-01-57040 | 600,000                            | 775,000                            |
| <b>Sub-Total Water Resource Department</b>   |               | <b>5,050,200</b>                   | <b>4,983,900</b>                   |
| <br>   |               |                                    |                                    |
| <b>PUBLIC WORKS DEPARTMENT</b>               |               |                                    |                                    |
| Labor  | 02-5-03-50010 | 1,042,800                          | 1,200,000                          |
| Benefits                                     | 02-5-03-500xx | 707,000                            | 683,500                            |
| Repair & Maintenance - Vehicles & Equipment  | 02-5-03-51001 | 150,000                            | 160,000                            |
| Repair & Maintenance - Valves                | 02-5-03-51011 | 10,000                             | 10,000                             |
| Repair & Maintenance - Pipelines             | 02-5-03-51010 | 275,000                            | 225,000                            |
| Repair & Maintenance - Service Lines         | 02-5-03-51021 | 100,000                            | 175,000                            |
| Repair & Maintenance - Fire Hydrants         | 02-5-03-51022 | 25,000                             | 40,000                             |
| Repair & Maintenance - Water Meters          | 02-5-03-51030 | 75,000                             | 75,000                             |
| General Supplies & Expenses                  | 02-5-03-51140 | 1,000                              | 1,000                              |
| <b>Sub-Total Utility Services Department</b> |               | <b>2,385,800</b>                   | <b>2,569,500</b>                   |

## WATER DIVISION BUDGET

### Fiscal Year 2017

| ADMINISTRATIVE SERVICES DEPARTMENT         | G/L Number    | Adopted Budget<br>Fiscal Year 2016 | Adopted Budget<br>Fiscal Year 2017 |
|--|---------------|------------------------------------|------------------------------------|
| Labor                                      | 02-5-06-50010 | 705,000                            | 750,000                            |
| Director Fees                              | 02-5-06-50012 | 19,000                             | 20,000                             |
| Benefits                                   | 02-5-06-500xx | 377,236                            | 381,000                            |
| Repair & Maintenance - Structures          | 02-5-06-51003 | 20,000                             | 40,000                             |
| Safety Equipment & Supplies                | 02-5-06-51120 | 25,000                             | 25,000                             |
| Petroleum Products                         | 02-5-06-51125 | 125,000                            | 100,000                            |
| Office Supplies                            | 02-5-06-51130 | 30,000                             | 30,000                             |
| General Supplies & Expenses                | 02-5-06-51140 | 30,000                             | 30,000                             |
| Electricity                                | 02-5-06-51211 | 28,000                             | 30,000                             |
| Natural Gas                                | 02-5-06-51213 | 3,000                              | 3,000                              |
| Dues & Subscriptions                       | 02-5-06-54002 | 10,000                             | 16,500                             |
| Computer Expenses                          | 02-5-06-54005 | 65,000                             | 100,000                            |
| Postage                                    | 02-5-06-54010 | 6,000                              | 5,000                              |
| Printing & Publications                    | 02-5-06-54011 | 7,500                              | 7,500                              |
| Education & Training                       | 02-5-06-54012 | 15,000                             | 15,000                             |
| Utility Billing Expenses                   | 02-5-06-54013 | 180,000                            | 150,000                            |
| Public Relations                           | 02-5-06-54014 | 9,000                              | 50,000                             |
| Travel Related Expenses                    | 02-5-06-54016 | 10,000                             | 10,000                             |
| Certifications & Renewals                  | 02-5-06-54017 | 6,000                              | 7,000                              |
| Meeting Related Expenses                   | 02-5-06-54020 | 6,000                              | 6,000                              |
| Waste Disposal                             | 02-5-06-54024 | 2,750                              | 2,500                              |
| Telephone                                  | 02-5-06-54025 | 42,000                             | 60,000                             |
| Conservatin & Rebates                      | 02-5-06-54099 | -                                  | 250,000                            |
| Contractual Services                       | 02-5-06-54104 | 65,000                             | 80,000                             |
| Legal                                      | 02-5-06-54107 | 45,000                             | 40,000                             |
| Audit & Accounting                         | 02-5-06-54108 | 16,000                             | 16,000                             |
| Professional Fees                          | 02-5-06-54109 | 150,000                            | 250,000                            |
| Reserve Funds                              | 02-5-06-55500 | 200,000                            | 209,235                            |
| Water Infrastructure Replacement           | 02-5-06-xxxxx | 1,265,000                          | 1,000,000                          |
| Insurance                                  | 02-5-06-56001 | 105,000                            | 100,000                            |
| Regulatory Compliance                      | 02-5-06-57030 | 55,000                             | 25,000                             |
| Election Related Expenses                  | 02-5-06-57090 | -                                  | 10,000                             |
| Beaumont Basin Watermaster                 | 02-5-06-57096 | 60,000                             | 60,000                             |
| <b>Sub-Total Administration Department</b> |               | <b>3,682,486</b>                   | <b>3,878,735</b>                   |

| LONG-TERM DEBT                        | G/L Number    | Adopted Budget<br>Fiscal Year 2016 | Adopted Budget<br>Fiscal Year 2017 |
|---------------------------------------|---------------|------------------------------------|------------------------------------|
| Debt Service - Series 2004A Principal | 02-5-40-57201 | 980,000                            | 1,030,000                          |
| Debt Service - Series 2004A Interest  | 02-5-40-57402 | 1,314,014                          | 1,265,665                          |
| Rate Stabilization Fund               | 02-5-40-57806 | -                                  | -                                  |
| <b>Sub-Total Long-Term Debt</b>       |               | <b>2,294,014</b>                   | <b>2,295,665</b>                   |

| ASSET ACQUISITION                  | G/L Number    | Adopted Budget<br>Fiscal Year 2016 | Adopted Budget<br>Fiscal Year 2017 |
|------------------------------------|---------------|------------------------------------|------------------------------------|
| Water Department                   | 02-5-40-57001 | -                                  | -                                  |
| Utility Services Department        | 02-5-40-57003 | -                                  | -                                  |
| Administration                     | 02-5-40-57006 | -                                  | -                                  |
| <b>Sub-Total Asset Acquisition</b> |               | <b>-</b>                           | <b>-</b>                           |

## SEWER DIVISION BUDGET

### Fiscal Year 2017

| OPERATING REVENUE:                           | <u>G/L Number</u> | <u>Adopted Budget<br/>Fiscal Year 2016</u> | <u>Adopted Budget<br/>Fiscal Year 2017</u> |
|--|-------------------|--|--|
| Sewer Service Establishment Fee              | 03-40016          | 500  | 500  |
| Sewer Service Demand Charge                  | 03-41000          | 11,675,000                                 | 11,830,000                                 |
| Sewer Service Demand - Multi-User Discount   | 03-41005          | (200,000)                                  | (200,000)                                  |
| Sewer Lateral Installation                   | 03-41110          | 1,000                                      | 2,500                                      |
| Septage Pumping                              | 03-41116          | -  | -  |
| Penalty Late Charges                         | 03-41121          | 150,000                                    | 150,000                                    |
| Revenue-Other, Operating                     | 03-42122          | 2,000                                      | 5,682                                      |
| Bad Debt Write-Off & Recovery                | 03-41124          | (20,000)                                   | (20,000)                                   |
| <b>Total Operating Revenue</b>               |                   | <b>11,608,500</b>                          | <b>11,768,682</b>                          |
|  |                   |  |  |
| NON-OPERATING REVENUE:                       |                   |  |  |
| Reserve Fund Transfer - Asset Acquisition    |                   | -  | -  |
| Reserve Fund Transfer - Operational Expenses |                   | -  | -  |
| Rate Stabilization Fund Transfer In          |                   | -  | -  |
| Interest Earned                              | 03-43010          | 15,000                                     | 35,000                                     |
| Property Tax-Unsecured                       | 03-43110          | 10,000                                     | 10,000                                     |
| Property Tax-Secured                         | 03-43120          | 125,000                                    | 50,000                                     |
| Tax Collection-Prior                         | 03-43130          | 10,000                                     | 175,000                                    |
| Other Taxes                                  | 03-43140          | 1,500                                      | 1,500                                      |
| Misc. Non-Operating Revenue                  | 03-49150          | 50,000                                     | 40,000                                     |
| <b>Total Non-Operating Revenue</b>           |                   | <b>211,500</b>                             | <b>311,500</b>                             |
|  |                   |  |  |
| <b>TOTAL SEWER REVENUE</b>                   |                   | <b>11,820,000</b>                          | <b>12,080,182</b>                          |
|  |                   |  |  |
| <hr/>  |                   |  |  |
| OPERATING EXPENSE                            |                   |  |  |
| Treatment                                    |                   | 3,789,816                                  | 3,838,400                                  |
| Administration                               |                   | 3,151,840                                  | 3,176,050                                  |
| Environmental Control                        |                   | 982,300                                    | 1,234,000                                  |
| Debt Service                                 |                   | 3,896,044                                  | 3,831,732                                  |
| Asset Acquisition                            |                   | -  | -  |
| <b>Total Operating Expense</b>               |                   | <b>11,820,000</b>                          | <b>12,080,182</b>                          |
|  |                   |  |  |
| <b>TOTAL SEWER EXPENSES</b>                  |                   | <b>11,820,000</b>                          | <b>12,080,182</b>                          |

## SEWER DIVISION BUDGET

### Fiscal Year 2017

| TREATMENT                           | G/L Number    | Adopted Budget<br>Fiscal Year 2016 | Adopted Budget<br>Fiscal Year 2017 |
|-------------------------------------|---------------|------------------------------------|------------------------------------|
| Labor                               | 03-5-02-50010 | 985,300                            | 895,000                            |
| Benefits                            | 03-5-02-500xx | 541,900                            | 542,400                            |
| Repair and Maintenance - Structures | 03-5-02-51003 | 225,000                            | 325,000                            |
| Automation Control                  | 03-5-02-51010 | 65,000                             | 65,000                             |
| Chemicals                           | 03-5-02-51106 | 490,000                            | 450,000                            |
| Propane                             | 03-5-02-51111 | 5,000                              | 5,000                              |
| Laboratory Supplies                 | 03-5-02-51115 | 30,000                             | 30,000                             |
| General Supplies & Expenses         | 03-5-02-51140 | 1,000                              | 1,000                              |
| Utilities-Power Purchases           | 03-5-02-51210 | 830,000                            | 850,000                            |
| Laboratory Services                 | 03-5-02-54110 | 115,000                            | 120,000                            |
| Sludge Disposal                     | 03-5-02-57031 | 300,000                            | 300,000                            |
| Brineline Operating Expenses        | 03-5-02-57034 | 201,616                            | 255,000                            |
| <b>Sub-total Treatment</b>          |               | <b>3,789,816</b>                   | <b>3,838,400</b>                   |
|                                     |               |                                    |                                    |
| ADMINISTRATION                      |               |                                    |                                    |
| Labor                               | 03-5-06-50010 | 660,000                            | 600,000                            |
| Directors Fees                      | 03-5-06-50012 | 19,000                             | 20,000                             |
| Benefits                            | 03-5-06-500xx | 351,340                            | 349,250                            |
| Safety Equipment                    | 03-5-06-51120 | 10,000                             | 10,000                             |
| Petroleum Products                  | 03-5-06-51125 | 22,500                             | 20,000                             |
| Office Supplies                     | 03-5-06-51130 | 4,000                              | 4,000                              |
| General Supplies & Expenses         | 03-5-06-51140 | 17,500                             | 20,000                             |
| Dues & Subscriptions                | 03-5-06-54002 | 10,000                             | 10,000                             |
| Management & Accounting Services    | 03-5-06-54003 | 160,000                            | 160,000                            |
| Computer Expenses                   | 03-5-06-54005 | 95,000                             | 95,000                             |
| Printing & Publications             | 03-5-06-54011 | 1,500                              | 5,500                              |
| Education & Training                | 03-5-06-54012 | 7,000                              | 7,000                              |
| Public Relations                    | 03-5-06-54014 | 7,500                              | 7,500                              |
| Travel Related Expenses             | 03-5-06-54016 | 5,000                              | 7,500                              |
| Certifications & Renewals           | 03-5-06-54017 | 5,000                              | 7,000                              |
| Licenses & Permits                  | 03-5-06-54019 | 50,000                             | 60,000                             |
| Meeting Related Expenses            | 03-5-06-54020 | 5,000                              | 5,000                              |
| Waste Disposal                      | 03-5-06-54024 | 12,500                             | 13,000                             |
| Telephone                           | 03-5-06-54025 | 20,000                             | 30,000                             |
| Drinking Water                      | 03-5-06-54030 | 1,000                              | 1,000                              |
| Contractual Services                | 03-5-06-54104 | 30,000                             | 35,000                             |
| Legal                               | 03-5-06-54107 | 45,000                             | 45,000                             |
| Audit & Accounting                  | 03-5-06-54108 | 16,000                             | 16,000                             |
| Professional Fees                   | 03-5-06-54109 | 150,000                            | 150,000                            |
| Reserve Funds                       | 03-5-06-55500 | 500,000                            | 563,300                            |
| Sewer Infrastructure Replacement    | 03-5-06-xxxxx | 800,000                            | 800,000                            |
| Insurance                           | 03-5-06-56001 | 105,000                            | 100,000                            |
| Regulatory Compliance               | 03-5-06-57030 | 42,000                             | 35,000                             |
| <b>Sub-Total Administration</b>     |               | <b>3,151,840</b>                   | <b>3,176,050</b>                   |



## SEWER DIVISION BUDGET

### Fiscal Year 2017

| ENVIRONMENTAL CONTROL                         | G/L Number    | Adopted Budget<br>Fiscal Year 2016 | Adopted Budget<br>Fiscal Year 2017 |
|---|---------------|------------------------------------|------------------------------------|
| Labor   | 03-5-07-50011 | 310,000                            | 465,000                            |
| Benefits                                      | 03-5-07-500xx | 209,300                            | 243,000                            |
| Repair and Maintenance - Structures           | 03-5-07-51003 | 270,000                            | 270,000                            |
| General Supplies & Expenses                   | 03-5-07-51140 | 1,000                              | 1,000                              |
| Lift Station No. 1                            | 03-5-07-51241 | 85,000                             | 125,000                            |
| Lift Station No. 2                            | 03-5-07-51242 | 15,000                             | 16,000                             |
| Lift Station No. 3                            | 03-5-07-51243 | 5,000                              | 5,000                              |
| Lift Station No. 4                            | 03-5-07-51244 | 20,000                             | 40,000                             |
| Lift Station No. 8                            | 03-5-07-51248 | 3,000                              | 3,000                              |
| Professional Fees                             | 03-5-07-54109 | 60,000                             | 60,000                             |
| Laboratory Services                           | 03-5-07-54110 | 4,000                              | 6,000                              |
| <b>Sub-Total Environmental Control</b>        |               | <b>982,300</b>                     | <b>1,234,000</b>                   |
| <br>  |               |                                    |                                    |
| LONG-TERM DEBT                                |               |                                    |                                    |
| Debt Service - Principal WRWRF Project        | 03-5-40-57202 | 2,097,629                          | 2,147,975                          |
| Debt Service - Principal Brineline Project    | 03-5-40-57203 | 401,939                            | 412,790                            |
| Debt Service - Principal WISE Project         | 03-5-40-57204 | 125,600                            | 127,970                            |
| Debt Service - Principal R-10.3 Project       | 03-5-40-57205 | 36,663                             | 37,495                             |
| Debt Service - Principal Crow Street & B-12.1 | 03-5-40-57206 | 18,357                             | 13,795                             |
| Debt Service - Interest                       | 03-5-40-57403 | 1,215,856                          | 1,091,707                          |
| Debt Service - Rate Stabilization Fund        | 57006.03.06   | -                                  | -                                  |
| <b>Sub-Total Long-Term Debt</b>               |               | <b>3,896,044</b>                   | <b>3,831,732</b>                   |
| <br>  |               |                                    |                                    |
| ASSET ACQUISITION                             |               |                                    |                                    |
| Sewer Treatment Department                    | 03-5-40-57002 | -                                  | -                                  |
| Sewer Administration Department               | 03-5-40-57006 | -                                  | -                                  |
| Environmental Control Department              | 03-5-40-57007 | -                                  | -                                  |
| <b>Sub-Total Asset Acquisition</b>            |               | <b>-</b>                           | <b>-</b>                           |

## RECYCLED WATER DIVISION

Fiscal Year 2017

| OPERATING REVENUE:                           | <u>G/L Number</u>                  | <u>Adopted Budget<br/>Fiscal Year 2016</u> | <u>Adopted Budget<br/>Fiscal Year 2017</u> |
|--|------------------------------------|--|--|
| Recycled Water - Commodity Charge            | 04-40010                           | 450,000                                    | 552,850                                    |
| Construction Recycled Water - Commodity Chrg | 04-40011                           | 10,000                                     | 20,000                                     |
| Recycled Water - Service Demand Charge       | 04-41000                           | 42,500                                     | 50,000                                     |
| Construction Recycled Water - Service Charge | 04-41003                           | 5,000                                      | 5,000                                      |
| Meter/Lateral Installation                   | 04-41110                           | 1,500                                      | 2,000                                      |
| Delinquent Payment Charges                   | 04-41121                           | 500  | 500  |
| Revenue-Other, Operating                     | 04-41122                           | 250  | 250  |
|  | <b>Total Operating Revenue</b>     | <b>509,750</b>                             | <b>630,600</b>                             |
|  |                                    |  |  |
| NON-OPERATING REVENUE:                       |                                    |  |  |
| Transfer - Reserve Fund                      | --                                 | -  | -  |
| Interest Earned                              | 04-43010                           | 8,000                                      | 7,500                                      |
| Property Tax-Unsecured                       | 04-43110                           | 1,000                                      | 1,000                                      |
| Property Tax-Secured                         | 04-43120                           | 15,000                                     | 15,000                                     |
| Tax Collection-Prior                         | 04-43130                           | 1,000                                      | 1,000                                      |
| Other Taxes                                  | 04-43140                           | 1,000                                      | 1,000                                      |
| Misc. Non-Operating Revenue                  | 04-49150                           | 1,500                                      | 1,000                                      |
|  | <b>Total Non-Operating Revenue</b> | <b>27,500</b>                              | <b>26,500</b>                              |
| <b>TOTAL RECYCLED WATER REVENUE</b>          |                                    | <b>537,250</b>                             | <b>657,100</b>                             |

## RECYCLED WATER DIVISION

Fiscal Year 2017

| OPERATING EXPENSES                        | G/L Number    | Adopted Budget<br>Fiscal Year 2016 | Adopted Budget<br>Fiscal Year 2017 |
|---|---------------|------------------------------------|------------------------------------|
| Labor - Recycled Water                    | 04-5-06-50010 | 226,630                            | 275,000                            |
| Director Fees                             | 04-5-06-50012 | 2,500                              | 2,500                              |
| Benefits - Recycled Water                 | 04-5-06-500xx | 31,900                             | 51,600                             |
| R&M - Structures                          | 04-5-06-51003 | 50,000                             | 20,000                             |
| R&M - Pipelines                           | 04-5-06-51020 | 7,500                              | 5,000                              |
| R&M - Service Lines                       | 04-5-06-51021 | 15,000                             | 5,000                              |
| R&M - Fire Hydrants                       | 04-5-06-51022 | 5,000                              | 2,500                              |
| R&M - Meters                              | 04-5-06-51030 | 1,500                              | 25,000                             |
| General Supplies and Expenses             | 04-5-06-51140 | 250                                | 2,000                              |
| Utilities - Power Purchases               | 04-5-06-51210 | 77,720                             | 85,000                             |
| Dues & Subscriptions                      | 04-5-06-54002 | 4,000                              | 6,500                              |
| Computer Expense                          | 04-5-06-54005 | 5,000                              | 7,500                              |
| Printing & Publications                   | 04-5-06-54011 | 1,000                              | 1,000                              |
| Education & Training                      | 04-5-06-54012 | 3,500                              | 4,000                              |
| Public Relations                          | 04-5-06-54014 | 3,500                              | 2,500                              |
| Travel & Meeting Related Expenses         | 04-5-06-54016 | 2,000                              | 5,000                              |
| Certifications & Renewals                 | 04-5-06-54017 | 250                                | 1,000                              |
| Licenses & Permits                        | 04-5-06-54019 | 2,500                              | 35,000                             |
| Meeting Related Expenses                  | 04-5-06-54020 | 250                                | 1,000                              |
| Telephone                                 | 04-5-06-54025 | 750                                | 1,000                              |
| Contractual Services                      | 04-5-06-54104 | 1,500                              | 3,500                              |
| Legal                                     | 04-5-06-54107 | 1,000                              | 4,000                              |
| Audit & Accounting                        | 04-5-06-54108 | -                                  | 2,500                              |
| Professional Services                     | 04-5-06-54109 | 25,000                             | 25,000                             |
| Laboratory Services                       | 04-5-06-54110 | 1,000                              | 1,000                              |
| Reserve Funds                             | 04-5-06-55500 | 8,000                              | 8,000                              |
| Recycled Water Infrastructure Replacement | 04-5-06-xxxxx | 25,000                             | 25,000                             |
| Regulatory Compliance                     | 04-5-06-57030 | 25,000                             | 40,000                             |
| Environmental Compliance                  | 04-5-06-57040 | 10,000                             | 10,000                             |
| <b>Total Operating Expense</b>            |               | <b>537,250</b>                     | <b>657,100</b>                     |
| <b>TOTAL RECYCLED WATER EXPENSES</b>      |               | <b>537,250</b>                     | <b>657,100</b>                     |

# Director Comments



Yucaipa Valley Water District

# Adjournment



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  
62 full time employees

**Operating Budget:** Water Division - \$13,397,500  
Sewer Division - \$11,820,000  
Recycled Water Division - \$537,250  
Total Annual Budget - \$25,754,750

**Number of Services:** 12,434 water connections serving 17,179 units  
13,559 sewer connections serving 20,519 units  
64 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)

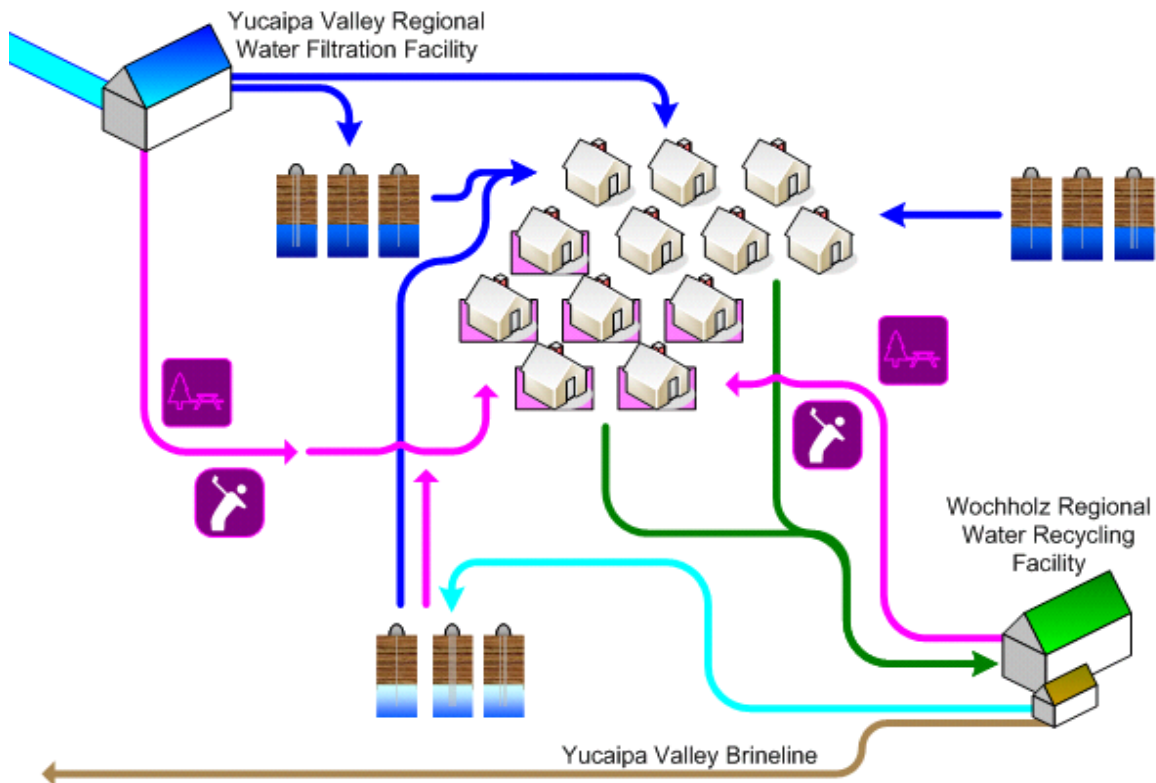
**Brine Disposal:** 2.2 million gallon desalination facility at sewer treatment plant  
1.108 million gallons of Inland Empire Brine Line capacity  
0.295 million gallons of treatment capacity in Orange County



**State Water Contractors:** San Bernardino Valley Municipal Water District  
San Geronimo Pass Water Agency



**Sustainability Plan:** A Strategic Plan for a Sustainable Future: The Integration and Preservation of Resources, adopted on August 20, 2008.





## 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

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