

## Water Transmission FY 2016-2017 Draft Budget and Rates

The preliminary draft proposed FY 16-17 rates are shown in the table below:

Charge / Aqueduct	Santa Rosa	Petaluma	Sonoma
Deliveries (Acre-Feet)	40,524	40,524	40,524
O&M	\$547.42	\$547.42	\$547.42
Water Management Planning	\$3.04	\$3.04	\$3.04
Watershed Planning & Restoration	\$82.67	\$82.67	\$82.67
Recycled Water and Local Supply	\$16.41	\$16.41	\$16.41
Water Conservation	\$41.93	\$41.93	\$41.93
<b>Total O&amp;M</b>	<b>\$691.47</b>	<b>\$691.47</b>	<b>\$691.47</b>
Storage & Common Bond/Loan Charges	\$95.62	\$95.62	\$95.62
Sonoma Aqueduct Bond/Loan Charge			\$75.53
<b>Prime Contractors</b>	<b>\$787.09</b>	<b>\$787.09</b>	<b>\$862.62</b>
<b><i>Discretionary Charges</i></b>			
Capital Charges - to build fund balance for future projects	\$19.50	\$19.50	\$32.00
Local Recycled Water Tier 2 Program (LRT2)	\$0.00	\$0.00	\$0.00
<b>Prime Contractors</b>	\$19.50	\$19.50	\$32.00
<b>Total Prime Contractors</b>	<b>\$806.59</b>	<b>\$806.59</b>	<b>\$894.62</b>
Total Overall Increase:	5.98%	5.98%	6.94%

### SUMMARY

- **Deliveries: (Budget Packet Pages 8-13):**
  - These FY16-17 Rates are based on budgeted deliveries of **40,524 Acre-Feet (AF)**. This is based on the Restructured Agreement for Water Supply which states that rates be calculated using the *lesser* of: the average of the last 3 years of annual deliveries (48,930 AF) or the last 12 months of actual water deliveries (40,524 AF).
  - Deliveries for Calendar Year (CY) 2015 were 20% less than CY 2014.
- **Operations and Maintenance (O&M) – Water Transmission O&M Fund (Budget Packet Pages 14-21):**
  - In accordance with the Restructured Agreement for Water Supply:
    - The rate is calculated by dividing operations and maintenance expenditures (less specific cash and noncash revenues and expenditures) by budgeted deliveries.

O&M Fund	Increase (Decrease) in Dollars	Percent Change	Description
Rate per AF	\$40.20	7.9%	Routine services and supplies are decreasing 8.3%. Factors affecting the increase are described below and include a decrease in deliveries and revenues.
Revenue	(\$5,699,409)	-14.2%	Decrease attributable to reduced budgeted deliveries.
Expenditures	(\$5,727,030)	-12.4%	8.3% of decrease is routine services and supplies; remaining decrease attributable to reduced operating transfer for pay-go capital projects offset by increase in non-cash depreciation expense.

Factors affecting the O&M rate:

O&M Fund Expenditures	Increase (Decrease) in Dollars	Percent Change	Description
Labor	\$355,000	3.0%	Increase is per negotiated labor agreements.
Power	(\$500,000)	-10.4%	Expected to increase over FY14-15 actuals (\$4.04 million) but decrease over FY15-16 budget (\$4.8 million) due to decreased budgeted deliveries resulting from the drought.
Chemicals	(\$90,000)	-12.2%	Expected to decrease due to reduced budgeted deliveries resulting from the drought.
Testing/Analysis	\$30,000	23.1%	Increase due to regulatory compliance and to align more closely with FY14-15 actuals.
Contract Services	(\$648,000)	-42.3%	In response to reduced deliveries, Agency is working to reduce these costs.
Maintenance - Equipment	(\$284,000)	-34.9%	In response to reduced deliveries, Agency is working to reduce these costs.
Small Tools - Instruments	(\$20,000)	-12.5%	In response to reduced deliveries, Agency is working to reduce these costs.
Operating Transfers	(\$4,554,000)	-24.9%	Operating Transfers (OT's) move revenue generated by rates into respective funds and maintain appropriate fund balance. Majority of OT's do not directly impact rates. Decrease attributable to Bond Proceeds and Grant funds.

• **Subfunds: (Budget Packet Pages 22-34):**

- Subfund rates are calculated by dividing subfund expenditures minus grant revenue by budgeted water deliveries.
- Water Management Planning:
  - Expenditures are for Urban Water Management Planning (UWMP) which is required to be updated every five years. In intervening years, the Water Agency typically incurs minimal costs to review regulatory requirements and revise the scope of work accordingly but will maintain modest rate increases to smooth the rate and soften impact to rate payers.

Water Management Planning	Increase (Decrease) in Dollars	Percent Change	Description
Rate per AF	(\$0.88)	-22.4%	FY15-16 rate: \$3.92; rate needed for Urban Water Management Plan (UWMP) update. Maintaining modest rate increase in intervening five year period to soften impact to rate payers.
Revenue	(\$80,462)	-37.7%	Decrease due to reduced FY16-17 budgeted water deliveries as compared to FY15-16 budget.
Expenditures	(\$250,000)	-90.9%	Decrease attributable to finalizing UWMP due July 1, 2016.

○ Watershed Planning and Restoration:

- Expenditures are for planning, design, and implementation of watershed restoration projects and projects required under the Biological Opinion.

Watershed Planning and Restoration	Increase (Decrease) in Dollars	Percent Change	Description
Rate per AF	\$3.00	3.8%	FY15-16 rate: \$79.67. FY16-17 use of \$975,000 in fund balance to reduce rate increase.
Revenue	(\$734,395)	-17.1%	Decrease due to reduced FY16-17 budgeted water deliveries as compared to FY15-16 budget.
Expenditures	(\$105,500)	-2.3%	Decrease due to progress on draft and final flow EIR, and climate adaption projects, offset by increases for initiation of Dry Creek Habitat Enhancement miles 4, 5, and 6 design.

○ Recycled Water and Local Supply:

- Expenditures are for planning, design, and implementation of recycled water and local supply projects including water contractor projects under the Local Recycled Water Tier 2 (LRT2) Program.

Recycled Water and Local Supply	Increase (Decrease) in Dollars	Percent Change	Description
Rate per AF	(\$15.17)	-48.0%	FY15-16: \$15.58 per AF for groundwater management planning; \$16 per AF for LRT2 projects per TAC. FY16-17: TAC has not included LRT2 funding in the budget.
Revenue	(\$1,053,744)	-56.2%	Decrease due to reduced FY16-17 budgeted water deliveries as compared to FY15-16 budget, no revenue requirement for LRT2 Projects, and reduction in planned water contractor reimbursements for Groundwater Management Planning Projects.
Expenditures	(\$1,341,233)	-63.3%	Budget is to implement Santa Rosa, Petaluma and Sonoma Valley Groundwater Management Planning Projects. No budget submitted by TAC for LRT2 Projects.

○ Water Conservation:

- Expenditures are for water use efficiency projects, outreach, and education.

Water Conservation	Increase (Decrease) in Dollars	Percent Change	Description
Rate per AF	\$1.40	3.4%	FY15-16 rate: \$40.53. Rate increase consistent with CPI and reduced deliveries due to drought. FY16-17 use of \$139,000 in fund balance to reduce rate increase.
Revenue	\$83,860	3.4%	Increase due to Prop 84 grant funds and funding agreements with water contractors compared to FY15-16 budget.
Expenditures	\$306,680	13.4%	Implement water use efficiency, outreach and education projects, address ongoing water conservation needs given continued drought conditions, pass through grant funds to water contractors and other partners.

● **Storage, Common, and Sonoma Bond/Loan Charges: (Budget Packet Pages 45-54):**

- The rates are calculated by dividing the annual debt service and reserve requirements (2012A and 2015A Water Revenue Bonds) by water deliveries. The rate increases shown below are attributed to the decrease in deliveries over the FY15-16 budget, and the new money financing (Water Revenue Bonds 2015A) offset by the decrease resulting from refinancing the Water Revenue Bonds 2006A.

Storage and Common Bond/Loan Charges	Increase (Decrease) in Dollars	Percent Change	Description
Storage Bond/Loan Charge	\$11.13	45.0%	FY15-16 rate: \$24.75. Increase resulting from new money financing: Water Revenue Bonds 2015 offset by decrease resulting from refinancing Water Revenue Bonds 2006.
Common Bond/Loan Charge	\$5.86	10.9%	FY15-16 rate: \$53.88. Increase resulting from new money financing: Water Revenue Bonds 2015 offset by decrease resulting from refinancing Water Revenue Bonds 2006.
Sonoma Aqueduct Bond/Loan Charge	\$14	21.8%	FY15-16 rate: \$62. Sonoma Aqueduct pays an additional revenue bond charge for the bonds associated with the Eldridge-Madrone Pipeline Project. Increase resulting from new money financing: Water Revenue Bonds 2015 offset by decrease resulting from refinancing Water Revenue Bonds 2006.

- **Aqueduct Capital Charge: (Budget Packet Page 1):**
  - A discretionary charge is added by the water contractors to build fund balance for future aqueduct capital projects and minimize rate spikes.
  - \$19.50 per AF for Santa Rosa and Petaluma Aqueducts
  - \$32.00 per AF for Sonoma Aqueduct.
  - The FY15-16 budget included a rate per AF of \$19.50 for the Santa Rosa and Petaluma Aqueducts and \$33 for the Sonoma Aqueduct to increase fund balance for known needed future capital projects.
  
- **Overall Draft Proposed Rate Increases: (Budget Packet Pages 1-7):**
  - 5.98% (Santa Rosa and Petaluma Aqueducts)
  - 6.94% (Sonoma Aqueduct)
  - This is the first draft of the budget with a rate increase that is less than one-third of other Bay Area water agencies who are seeking 20 to 30 percent or more in water rate hikes. Generally, everything else held equal, a 20% decrease in deliveries, would result in a rate increase of 20%. Given the significant decrease in deliveries and revenues, every effort has been made to prepare a budget that allows us to meet the operations, maintenance, capital, and regulatory demands of the system while maintaining fund balances within the prudent reserve policy. Factors working in our favor include \$5.5M in grant funds to offset capital costs, \$13.6M in bond proceeds for capital projects, and \$1.5M in net present value savings from refinancing the Water Revenue Bonds 2006A bolstered by the Water Agency's AA+ credit rating. This budget has been developed to facilitate collaborative discussions in order to achieve a budget and rate package that is responsible and financially sound.

List of Capital Projects - next page.

**Capital Projects**

**(Budget Packet Pages 36-43):**

<b>Project</b>	<b>Category</b>	<b>Amount</b>
Petaluma Aq Relocation – Kastania (Caltrans Project)	Storage	22,000
Ralphine Tanks Flow Thru Conversion	Storage	1,155,000
LHMP - Program Design (for Future FEMA Funds)	Santa Rosa AQ	10,000
LHMP - Program Design (for Future FEMA Funds)	Petaluma AQ	10,000
Marin Sonoma Narrows Segment C2	Petaluma AQ	20,000
LHMP - Program Design (for Future FEMA Funds)	Sonoma AQ	10,000
SBS Electrical Upgrade and Pumping Reliability	Sonoma AQ	165,000
SBS Storage Building	Sonoma AQ	175,000
Sonoma AQ Spring Creek & Bennett Valley Fault Crossing	Sonoma AQ	50,000
Caisson 5 Motor & Discharge Head Replacements	Common	500,000
Isolation Valves (FEMA Funds - \$1.9M)	Common	275,000
LHMP Program Design	Common	25,000
Mirabel Chlorine Building Water Line	Common	150,000
Mirabel Chlorine Lines Replacement	Common	105,000
Mirabel Dam Bladder Replacement	Common	400,000
MW Creek Crossing (FEMA Funds - \$2.8M)	Common	4,818,000
RDS Motor Control Center Replacement	Common	83,000
RDS Seismic Retrofit	Common	275,000
RR Crossing (FEMA Funds - \$2.9M)	Common	6,100,000
System-wide Meter Replacements	Common	100,000
Wohler Motor Replacements	Common	25,000
Wohler Road Fiber Optic Cable Relocation	Common	15,000
	<b>TOTAL</b>	<b>14,488,000</b>
	Storage	1,177,000
	AQ's	440,000
	Common	12,871,000
		<b>14,488,000</b>

**Sonoma County Water Agency  
FY16-17 Water Transmission Budget and Rates**

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## FY 16-17 Prime Contractor Rates Summary

	<b>CHARGE PER ACRE FOOT:</b>						Percent Change
	Santa Rosa	Petaluma	Sonoma	FY15-16			
	Aqueduct	Aqueduct	Aqueduct	SR	Pet	Son	
<b>O&amp;M Charge [4.2]</b>	547.42	547.42	547.42	\$507.22	\$507.22	\$507.22	7.93%
<b>Water Management Planning Sub-charge</b>	3.04	3.04	3.04	\$3.92	\$3.92	\$3.92	-22.44%
<b>Watershed Planning/Restoration Sub-charge</b>	82.67	82.67	82.67	\$79.67	\$79.67	\$79.67	3.76%
<b>Recycled Water &amp; Local Supply Sub-charge</b>	16.41	16.41	16.41	\$15.58	\$15.58	\$15.58	5.33%
<b>Water Conservation Sub-charge [4.16]</b>	41.93	41.93	41.93	\$40.53	\$40.53	\$40.53	3.45%
<b>O&amp;M Charge</b>	<b>691.47</b>	<b>691.47</b>	<b>691.47</b>	\$646.92	\$646.92	\$646.92	6.89%
<b>Storage and Common Bond &amp; Loan Charge</b>	95.62	95.62	95.62	\$ 78.63	\$ 78.63	\$ 78.63	21.61%
<b>Sonoma Aqueduct Bond Charge</b>			75.53			\$ 62.00	21.8%
<b><i>PRIME CONTRACTORS</i></b>	<b>\$787.09</b>	<b>\$787.09</b>	<b>\$862.62</b>	\$ 725.55	\$725.55	\$787.55	FY15-16 incre; 4.16%; 5.46%
<b>Capital Charges - to build fund balance for future projects</b>	19.50	19.50	32.00	\$ 19.50	\$ 19.50	\$ 33.00	0%
<b>Local Recycled Water Tier 2 Program</b>	0.00	0.00	0.00	\$16.00	\$ 16.00	\$ 16.00	-100%
<b><i>PRIME CONTRACTORS</i></b>	19.50	19.50	32.00	\$ 35.50	\$ 35.50	\$ 49.00	-100%
				2.56%	2.56%	2.31%	
<b>TOTAL PRIME CONTRACTORS</b>	<b>\$806.59</b>	<b>\$806.59</b>	<b>\$894.62</b>	\$761.05	\$761.05	\$836.55	
Increase from FY 15-16	5.98%	5.98%	6.94%	4.16%	4.16%	5.46%	

WATER TRANSMISSION SYSTEM  
 FY 16-17 WATER CHARGES PER ACRE-FOOT  
 FOR PRIME CONTRACTORS

	SANTA ROSA AQUEDUCT	% INCR. (DECR.)	PETALUMA AQUEDUCT	% INCR. (DECR.)	SONOMA AQUEDUCT	% INCR. (DECR.)
2016/17	806.59	5.98%	806.59	5.98%	894.62	6.94%
2015/16	761.05		761.05		836.55	
2014/15	730.68		730.68		793.24	
2013/14	705.30		705.30		768.75	
2012/13	672.03		672.03		740.34	
2011/12	634.11		634.11		703.33	
2010/11	603.92		603.92		674.47	
2009/10	564.78		564.78		622.11	
2008/09	471.13		511.13		486.22	
2007/08	441.70		461.70		453.49	
2005/06	412.68		432.68		424.53	
2004/05	402.51		422.51		414.42	
2003/04	393.89		413.89		407.95	
2002/03	387.49		397.90		387.43	
2001/02	383.29		384.02		373.38	
2000/01	330.76		331.61		320.74	

**WATER TRANSMISSION SYSTEM  
FY 16-17 REVENUE SUMMARY CHART**

<b>WATER CUSTOMER</b>	<b>FY 16-17 Budgeted Water Use (Acre- Feet)</b>	<b>FY 15-16 Rate \$/Acre-Foot</b>	<b>FY 16-17 Proposed Rate \$/Acre-Foot</b>	<b>Dollar Change</b>	<b>Percent Change</b>
Santa Rosa Aqueduct	15,535	\$761.05	\$806.59	\$45.54	5.98%
Petaluma Aqueduct	9,587	761.05	806.59	\$45.54	5.98%
Sonoma Aqueduct	3,539	836.55	894.62	\$58.07	6.94%
North Marin Water Dist.	5,002	778.46	829.97	\$51.51	6.62%
Marin Municipal – Third Off Peak	4,300	926.54	982.54	\$56.00	6.04%
Marin Municipal – Supplemental	831	926.54	982.54	\$56.00	6.04%
Forestville Aqueduct	377	741.55	787.09	\$45.54	6.14%
Wholesale/Municipal	853	1,003.86	1073.54	\$69.68	6.94%
Surplus	39	795.50	829.76	\$34.26	4.31%
Windsor	460	913.26	967.91	\$54.65	5.98%
<b>TOTAL</b>	40,524				

**SONOMA COUNTY WATER AGENCY RATES FOR WATER DELIVERIES IN FY 16-17**

**[ X ] ESTIMATED [ ] OFFICIAL**  
**Approved by Board of Directors on**

**CHARGE PER ACRE FOOT:**

	<u>Santa Rosa Aqueduct</u>	<u>Petaluma Aqueduct</u>	<u>Sonoma Aqueduct</u>
<b>PRIME CONTRACTORS</b>			
O&M Charge [4.2]	\$547.42	\$547.42	\$547.42
Water Management Planning Sub-charge [4.13]	\$3.04	\$3.04	\$3.04
Watershed Planning/Restoration Sub-charge [4.14]	\$82.67	\$82.67	\$82.67
Recycled Water & Local Supply Sub-charge [4.15]	\$16.41	16.41	16.41
Water Conservation Sub-charge [4.16]	<u>\$41.93</u>	<u>\$41.93</u>	<u>\$41.93</u>
O&M Charge	\$691.47	\$691.47	\$691.47
 <u>Bond &amp; Loan Charges - to pay for existing debt service</u>			
Storage Facilities Capital Charge [4.7]	35.88	35.88	35.88
Common Facilities Capital Charge [4.8]	59.74	59.74	59.74
Sonoma Aqueduct Facilities Capital Charges [4.6 b]			<u>75.53</u>
Total Bond & Loan Charges	<u>\$95.62</u>	<u>\$95.62</u>	<u>\$171.15</u>
<i>Discretionary:</i>			
<u>Aqueduct Capital Charges - to build fund balance for future projects</u>			
Aqueduct Facilities Capital Charges [4.6 e]	19.50	19.50	32.00
LRT2 - included in Recycled Water & Local Supply Sub-Charge above.			
<b>TOTAL PRIME CONTRACTORS</b>	<b>\$806.59</b>	<b>\$806.59</b>	<b>\$894.62</b>
Charge without LRT2 and voluntary AQ Capital Charge	\$787.09	\$787.09	\$862.62
<b>OTHER AGENCY CUSTOMERS/WHOLESALE CHARGES</b>			
<b><u>(WATER CO'S &amp; PUBLIC AGENCIES)</u></b>			
O&M Charge	\$691.47	\$691.47	\$691.47
Capital Charges	95.62	95.62	171.15
Aqueduct Facilities Capital Charge	<u>\$286.45</u>	<u>\$286.45</u>	<u>\$210.92</u>
<b>TOTAL OTHER AGENCY CUSTOMERS/WHOLESALE CHARGES (4.12)</b>	<b>\$1,073.54</b>	<b>\$1,073.54</b>	<b>\$1,073.54</b>
<i>(120% OF HIGHEST PRIME)</i>			
<b>FORESTVILLE</b>			
O&M Charge [4.2] *	\$547.42		
Water Management Planning Sub-charge [4.13]	3.04		
Watershed Planning/Restoration Sub-charge [4.14]	82.67		
Recycled Water & Local Supply Sub-charge [4.15]	16.41		
Water Conservation Sub-charge [4.16]	<u>41.93</u>		
O&M Charge	\$691.47		
<u>Bond &amp; Loan Charges - to pay for existing debt service</u>			
Aqueduct Facilities Capital Charges [4.6]	0.00		
Storage Facilities Capital Charge [4.7]	35.88		
Common Facilities Capital Charge [4.8]	<u>59.74</u>		
Total Capital Charges	<u>\$95.62</u>		
<b>TOTAL FORESTVILLE</b>	<b>\$787.09</b>		
* Forestville Water District exempt from Santa Rosa Aqueduct sub-charge from FY 06/07 to FY 16/17 [4.12].			
<b><u>NORTH MARIN WATER DISTRICT</u></b>			
O&M Charge		\$691.47	Note: N. Marin pays
North Marin Bond & Loan Charge [4.9]		51.27	bond and loan charge
Russian River Conservation Charge [4.18 (a)]		74.27	in lieu of Capital Charge.
Russian River Projects Charge [4.18 (b)]		<u>12.96</u>	
<b>TOTAL NORTH MARIN WATER DISTRICT</b>		<b>829.97</b>	
<b><u>THIRD OFF-PEAK (MARIN MUNICIPAL)</u></b>			
Highest Prime on SR and PET AQ x 1.11		\$895.31	
Russian River Conservation Charge		74.27	
Russian River Projects Charge		<u>12.96</u>	
<b>TOTAL THIRD OFF-PEAK</b>		<b>\$982.54</b>	
<b><u>SUPPLEMENTAL (MARIN MUNICIPAL)</u></b>			
Highest Prime on SR and PET AQ x 1.11		\$895.31	
Capital Charge [4.11 (b)]		0.00	
Russian River Conservation Charge		74.27	
Russian River Projects Charge		<u>12.96</u>	
<b>TOTAL SUPPLEMENTAL</b>		<b>\$982.54</b>	
<b><u>SURPLUS</u></b>			
Non-Municipal / Municipal [4.11 (a)]	\$829.76	\$829.76	\$829.76
<i>(120% of O&amp;M Charge)</i>			
<b><u>Town of Windsor</u></b>			
Town of Windsor is charged 120% of the highest charge for any other prime contractor on the Santa Rosa Aqueduct from FY 06/07 to FY 21/22 [4.17 (a)]. Town of Windsor pays all subcharges [4.13, 4.14, 4.15, and 4.16] on all water they divert from the Russian River using their equipment [4.17 (b)].			
	\$967.91		

The applicable section of the Restructured Agreement has been indicated in brackets.

**FY 2016-17 BUDGET**  
**SONOMA COUNTY WATER AGENCY**  
*Operations and Maintenance Rate Computation*

**O & M REVENUE REQUIREMENT**

**FY 16-17 ESTIMATED FISCAL YEAR EXPENDITURES** \$40,311,704

**LESS:**

DepreciationAmortization	6,597,903
Investment Income, Interest on Pooled Cash, Charges for Services	57,000
Power Sales	800,000
PWRPA Pre-paid Expense - FY 08/09 Rate Reduction- <i>One time only</i> "Mandatory Prudent Reserve" charge	
Recycled Water funds (Sub-object 7277) taken from special reserve	0
Transfers Out	10,010,829

REVENUE REQUIREMENT (Net Expenditures)	\$22,845,972
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**O & M ACRE FOOT BASE**

DELIVERIES: 40,523.5

**LESS:**

Marin Municipal	5,131.1
Surplus (Irrigation)	39.5

TOTAL BASE DELIVERIES	35,353.0
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**O & M RATE COMPUTATION:**

Rate = Revenue Requirement - (Marin Municipal Deliveries x 1.11 x 0.92568 x Highest Prime Rate  
on Petaluma or Santa Rosa Aqueduct)  
Total Deliveries - Surplus Deliveries - Marin Muni Deliveries

$$= \frac{22,845,972 - (4,300.00 \times 680.77) - (831.05 \times 680.77)}{40,523.5 - 39.5 - 5,131.1}$$

\* = \$547.42

**FY 16-17**  
**Proposed Water Rates**

	<b><u>FY 15-16</u></b>	<b><u>FY 16-17</u></b>	
	<b>(Actual)</b>	<b>(Proposed)</b>	<b>% Change</b>
O&M Charge	507.22	547.42	7.93%
Water Management Planning Sub-Charge	3.92	3.04	-22.44%
Watershed Planning/Restoration Sub-Charge	79.67	82.67	3.76%
Recycled Water Sub-Charge	31.58	16.41	-48.04%
Water Conservation Sub-Charge	40.53	41.93	3.45%
<b>Total O&amp;M Charge</b>	<b>662.92</b>	<b>691.47</b>	<b>4.31%</b>

**Santa Rosa Aqueduct Rate**

O&M Charge	662.92	691.47	4.31%
Aqueduct Facilities Capital Charges [4.6 e]	19.50	19.50	0.0%
Storage Facilities Capital Charge [4.7]	24.75	35.88	44.97%
Common Facilities Capital Charge [4.8]	53.88	59.74	10.88%
<b>TOTAL</b>	<b>761.05</b>	<b>806.59</b>	<b>5.98%</b>

**Petaluma Aqueduct Rate**

O&M Charge	662.92	691.47	4.31%
Aqueduct Facilities Capital Charges [4.6 e]	19.50	19.50	0.0%
Storage Facilities Capital Charge [4.7]	24.75	35.88	44.97%
Common Facilities Capital Charge [4.8]	53.88	59.74	10.88%
<b>TOTAL</b>	<b>761.05</b>	<b>806.59</b>	<b>5.98%</b>

**Sonoma Aqueduct Rate**

O&M Charge	662.92	691.47	4.31%
Aqueduct Facilities Capital Charges [4.6 e]	33.00	32.00	-3.0%
Storage Facilities Capital Charge [4.7]	24.75	35.88	44.97%
Common Facilities Capital Charge [4.8]	53.88	59.74	10.88%
Sonoma Aqueduct Facilities Capital Charge	62.00	75.53	21.82%
<b>TOTAL</b>	<b>836.55</b>	<b>894.62</b>	<b>6.94%</b>

**SONOMA COUNTY WATER AGENCY**  
**RUSSIAN RIVER CONSERVATION CHARGE COMPUTATION**

**FISCAL YEAR 2016-17**

**PROPERTY ASSESSMENT VALUES AS OF FY 15-16:**

<u>TAX CODE</u>	<u>ENTITY</u>	<u>SECURED</u>	<u>UNSECURED</u>	<u>TOTAL VALUE</u>
14000	Forestville Co Water District	356,076,053	2,694,682	\$358,770,735
42800	City of Cotati	916,130,191	19,841,801	935,971,992
43500	City of Petaluma	8,305,159,090	393,411,657	8,698,570,747
43800	City of Rohnert Park	4,185,166,963	122,372,269	4,307,539,232
44500	City of Santa Rosa	20,461,385,928	662,053,101	21,123,439,029
45000	City of Sonoma	2,294,129,422	55,729,806	2,349,859,228
N/A	Valley of the Moon Water District	2,912,295,650	18,312,193	2,930,607,843
	<i>TOTAL</i>	\$39,430,343,297	\$1,274,415,509	\$40,704,758,806

**Notes:**

- 1 Total value of secured and unsecured property in service areas of Prime Water Contractors of Sonoma County (see above) \$40,704,758,806
- 2 2011-12 Sonoma County tax rate per \$100 of full cash value assessed for payment of Warm Springs Dam Project Obligations 0.007
- 3 Total tax levied on citizens residing in service areas of Prime Water Contractors of Sonoma County, i.e., (Line 1/100) x Line 2 \$2,849,333
- 4 Total acre feet of water delivered to Prime Water Contractors of Sonoma County (excluding North Marin and Town of Windsor) plus deliveries to Forestville during the prior 12 month period ending March 31. 38,367.05
- 5 Total Russian River Conservation Charge per Acre Foot (Line 3 / Line 4) \$74.27

**Russian River Projects Charge**  
Historical calculations

**RR Conservation Charge**  
Historical calculations

For FY	Calculated	Actual Charge	
06-07	17.02	\$17.02	\$48.33
07-08	21.4	\$20.00	\$52.70
08-09	25.08	\$20.00	\$58.44
09-10	24.68	\$20.00	\$57.70
10-11	24.4	\$20.00	\$74.62
11-12	23.44	\$20.00	\$72.27
12-13	20.38	\$20.00	\$72.08
13-14	14.72	\$14.72	\$63.30
14-15	8.72	\$8.72	\$63.90
15-16	12.39	\$12.39	\$69.38
16-17	12.96	\$12.96	\$74.27

**SCHEDULE OF WATER DELIVERIES BY AQUEDUCT  
PAST 36 MONTHS / 12 MONTHS AVERAGE**

		DELIVERING AQUEDUCT				Monthly Total
		Santa Rosa	Petaluma	Forestville	Sonoma	
36	Jan-13	1,384.5	1,950.0	24.6	287.1	3,646.1
35	Feb-13	1,188.2	1,574.1	23.4	240.4	3,026.1
34	Mar-13	1,317.5	1,724.9	23.2	312.8	3,378.4
33	Apr-13	1,839.4	2,472.8	34.0	436.0	4,782.2
32	May-13	2,150.0	2,558.5	44.4	484.1	5,237.0
31	Jun-13	2,115.7	2,664.0	42.7	475.6	5,297.9
30	Jul-13	2,768.2	3,215.1	52.5	622.8	6,658.6
29	Aug-13	2,023.7	2,499.7	44.9	481.9	5,050.2
28	Sep-13	1,992.1	2,560.3	46.5	460.5	5,059.4
27	Oct-13	2,060.9	2,765.2	47.2	524.0	5,397.4
26	Nov-13	1,398.0	2,108.6	29.4	354.8	3,890.8
25	Dec-13	1,426.6	2,492.7	29.2	304.5	4,253.0
24	Jan-14	1,248.2	2,096.2	22.7	354.4	3,721.5
23	Feb-14	1,103.1	2,156.5	18.6	230.8	3,509.0
22	Mar-14	1,113.1	2,016.6	18.0	247.1	3,394.8
21	Apr-14	1,474.6	2,619.0	27.0	328.5	4,449.0
20	May-14	1,614.8	2,457.7	36.0	389.3	4,497.8
19	Jun-14	1,770.4	2,607.8	38.1	433.3	4,849.6
18	Jul-14	2,135.4	3,092.7	51.7	535.6	5,815.5
17	Aug-14	1,628.8	2,090.5	39.4	389.2	4,147.9
16	Sep-14	1,832.5	3,131.9	44.1	435.8	5,444.3
15	Oct-14	1,432.4	2,108.1	29.9	325.8	3,896.1
14	Nov-14	1,077.8	1,854.4	22.1	228.5	3,182.8
13	Dec-14	1,274.4	2,165.9	21.4	219.8	3,681.4
12	Jan-15	1,043.7	1,285.4	19.2	171.1	2,519.4
11	Feb-15	1,032.8	1,169.0	17.0	216.3	2,435.1
10	Mar-15	1,479.2	1,645.5	27.5	343.2	3,495.3
9	Apr-15	1,243.9	1,692.4	23.7	332.3	3,292.2
8	May-15	1,247.5	2,013.7	29.0	268.7	3,559.0
7	Jun-15	1,607.0	2,432.2	43.2	316.8	4,399.2
6	Jul-15	1,341.8	1,539.5	34.9	313.3	3,229.5
5	Aug-15	1,546.4	1,751.3	41.2	346.3	3,685.2
4	Sep-15	1,552.4	1,918.3	45.4	353.6	3,869.8
3	Oct-15	1,654.3	2,202.2	49.1	407.5	4,313.1
2	Nov-15	1,114.5	1,301.8	22.9	251.4	2,690.6
1	Dec-15	1,170.5	1,622.2	23.6	218.9	3,035.3
<b>Total Deliveries</b>		55,404.3	77,556.8	1,187.5	12,642.0	146,790.6
<b>3-Year Annual Average</b>		18,468.1	25,852.3	395.8	4,214.0	48,930.2
<b>Past 12 Months</b>		16,034.0	20,573.5	376.7	3,539.3	40,523.5
Total Deliveries		55,404.3	77,556.8	1,187.5	12,642.0	146,790.6
Less: North Marin			20,517.3			20,517.3
Marin Municipal			20,466.5			20,466.5
<b>Sonoma Co. Deliveries</b>		55,404.3	36,573.0	1,187.5	12,642.0	105,806.7
<b>3-Year Annual Average</b>		18,468.1	12,191.0	395.8	4,214.0	35,268.9

# SONOMA COUNTY WATER AGENCY

## SCHEDULE OF ACTUAL PRIOR 12 MONTHS WATER DELIVERIES IN ACRE FEET (BY CUSTOMER TYPE)

JANUARY 13 THROUGH DECEMBER 13 (*Applicable Years as Indicated*)

Aqueduct No.	Jan-15	Feb-15	Mar-15	Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15	TOTAL
<b>PRIMES</b>													
1 City of Santa Rosa	1,016.9	1,002.6	1,416.0	1,197.7	1,194.4	1,534.4	1,272.9	1,462.2	1,475.8	1,580.0	1,063.1	1,125.0	15,341.2
2 City of Petaluma	480.8	448.8	653.0	565.0	570.7	659.4	576.6	652.4	612.7	768.9	490.0	541.7	7,020.1
2 North Marin Water Dist.	397.7	345.2	325.9	297.1	288.9	497.0	367.2	478.4	526.9	764.6	267.4	445.4	5,001.5
2 City of Rohnert Park	210.4	203.9	268.7	244.6	230.6	291.8	196.8	244.5	251.8	276.4	195.5	158.6	2,773.5
2 City of Cotati	27.1	24.6	34.5	34.0	39.2	49.8	44.8	48.7	50.2	56.7	32.3	36.9	478.7
1 Town of Windsor	26.1	26.0	45.9	32.6	33.1	45.3	45.4	45.5	40.4	46.1	38.1	35.2	459.7
4 City of Sonoma	88.8	99.5	147.8	156.1	132.7	121.2	135.4	164.8	157.8	171.1	114.5	98.6	1,588.3
4 Valley of the Moon Dist.	78.0	111.8	186.7	167.4	120.7	183.3	167.5	169.2	183.1	223.7	130.4	114.9	1,836.5
<b>TOTAL PRIMES</b>	<b>2,325.7</b>	<b>2,262.3</b>	<b>3,078.5</b>	<b>2,694.3</b>	<b>2,610.3</b>	<b>3,382.2</b>	<b>2,806.5</b>	<b>3,265.7</b>	<b>3,298.9</b>	<b>3,887.5</b>	<b>2,331.3</b>	<b>2,556.4</b>	<b>34,499.5</b>
<b>OTHER AGENCY CUSTOMERS</b>													
1 Larkfield Water Co	0.4	3.8	16.0	12.5	18.8	25.2	21.8	36.4	34.7	26.8	12.6	9.9	219.0
2 Penngrove Water Co	9.8	9.8	14.2	12.4	13.1	18.5	15.4	17.2	16.7	18.2	11.2	12.1	168.6
4 Lawndale Mutual	1.8	2.6	5.0	5.4	5.7	7.8	6.0	7.2	7.5	7.0	3.6	2.0	61.5
4 Kenwood Village Water Co	0.2	0.3	0.3	0.4	0.3	0.4	0.3	0.4	0.6	0.4	0.2	0.2	3.9
3 Forestville Co Water Dist.	19.2	17.0	27.5	23.7	29.0	43.2	34.9	41.2	45.4	49.1	22.9	23.6	376.7
1 Other Gov-Santa Rosa Aq	0.3	0.4	1.3	1.2	1.1	2.0	1.7	2.2	1.5	1.5	0.6	0.4	14.1
2 Other Gov-Petaluma Aq	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4 Other Gov-Sonoma Aq	0.5	0.5	0.6	0.8	0.7	1.0	1.0	1.1	1.0	1.1	0.6	0.5	9.6
<b>TOTAL OTHER AGY. CUST</b>	<b>32.2</b>	<b>34.3</b>	<b>64.9</b>	<b>56.3</b>	<b>68.8</b>	<b>98.0</b>	<b>81.1</b>	<b>105.8</b>	<b>107.4</b>	<b>104.1</b>	<b>51.8</b>	<b>48.7</b>	<b>853.5</b>
<b>OFF-PEAK CUSTOMERS</b>													
2 Marin Municipal	159.7	136.8	349.2	539.4	871.2	915.7	338.8	310.2	459.9	317.4	305.3	427.5	5,131.1
<b>SURPLUS CUSTOMERS</b>													
1 Irrigation-Santa Rosa Aq	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2 Irrigation-Petaluma Aq	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4 Irrigation-Sonoma Aq	1.8	1.7	2.7	2.2	8.7	3.3	3.1	3.6	3.6	4.1	2.1	2.7	39.5
<b>TOTAL SURPLUS CUST.</b>	<b>1.8</b>	<b>1.7</b>	<b>2.7</b>	<b>2.2</b>	<b>8.7</b>	<b>3.3</b>	<b>3.1</b>	<b>3.6</b>	<b>3.6</b>	<b>4.1</b>	<b>2.1</b>	<b>2.7</b>	<b>39.5</b>
<b>TOTAL DELIVERIES</b>	<b>2,519.4</b>	<b>2,435.1</b>	<b>3,495.3</b>	<b>3,292.2</b>	<b>3,559.0</b>	<b>4,399.2</b>	<b>3,229.5</b>	<b>3,685.2</b>	<b>3,869.8</b>	<b>4,313.1</b>	<b>2,690.6</b>	<b>3,035.3</b>	<b>40,523.5</b>

**FY 2016-17 BUDGET**  
**Water Transmission System Agency Fund**  
**ESTIMATED WATER DELIVERIES AND WATER SALES - O&M plus Surcharges**

REVENUE CATEGORY	ESTIMATED ACRE FEET DELIVERED	ESTIMATED RATES	ESTIMATED REVENUE
<b><u>WATER SALES - O&amp;M</u></b>			
1 PRIMES without Subcharges	34,499.6	547.42	18,885,749
2 OTHER AGENCY CUSTOMERS	853.5	929.49	793,279
3 MARIN MUNICIPAL (OFF-PEAK)	4,300.0	680.77	2,927,298
4 MARIN MUNICIPAL (SUPPLEMENTAL)	831.0	680.77	565,751
5 SURPLUS CUSTOMERS	39.5	685.72	27,082
<b>TOTAL WATER SALES - O&amp;M</b>	40,523.5	N/A	\$23,199,159

Note: MMWD rate adjusted per Amended MMWD Water Supply Agreements Effective 7/1/15.

***Sub-Object 4175, 4176, 4177, and 4178***

REVENUE CATEGORY	ESTIMATED ACRE FEET DELIVERED	ESTIMATED RATES	ESTIMATED REVENUE
<b><u>WATER SALES - Sub-charges</u></b>			
1a Water Management Planning Sub-charge [4.13]	40,523.5	3.04	123,200
1b Watershed Planning/Restoration Sub-charge [4.14]	40,523.5	82.67	3,350,000
1c Recycled Water & Local Supply Sub-charge [4.15]	40,523.5	16.41	665,000
1d Water Conservation Sub-charge [4.16]	40,523.5	41.93	1,699,059
<b>TOTAL WATER SALES - Subcharges</b>	40,523.5	N/A	\$5,837,259

**FY 2016-17 BUDGET**  
**Water Transmission System Agency Fund**  
**SANTA ROSA AQUEDUCT ESTIMATED WATER DELIVERIES AND WATER SALES - O&M plus Surcharges**  
**Sub-Object 4161**

REVENUE CATEGORY	ESTIMATED ACRE FEET DELIVERED	ESTIMATED RATES	ESTIMATED REVENUE
<b><u>WATER SALES - O&amp;M</u></b>			
1 SANTA ROSA AQUEDUCT	16,034.0	547.42	8,777,319

**Sub-Object 4175, 4176, 4177, and 4178**

REVENUE CATEGORY	ESTIMATED ACRE FEET DELIVERED	ESTIMATED RATES	ESTIMATED REVENUE
<b><u>WATER SALES - Sub-charges</u></b>			
1a Water Management Planning Sub-charge [4.13]	16,034.0	3.04	48,747
1b Watershed Planning/Restoration Sub-charge [4.14]	16,034.0	82.67	1,325,496
1c Recycled Water & Local Supply Sub-charge [4.15]	16,034.0	16.41	263,121
1d Water Conservation Sub-charge [4.16]	16,034.0	41.93	672,268
<b>TOTAL WATER SALES - Subcharges</b>	16,034.0	N/A	\$2,309,632

REVENUE CATEGORY	ESTIMATED ACRE FEET DELIVERED	ESTIMATED RATES	ESTIMATED REVENUE
<b><u>CAPITAL CHARGES</u></b>			
Aqueduct Facilities Capital Charges [4.6 e]	16,034.0	19.50	312,662
<b><u>BOND AND LOAN CAPITAL CHARGES</u></b>			
Storage Facilities Capital Charge [4.7]	16,034.0	35.88	575,287
Common Facilities Capital Charge [4.8]	16,034.0	59.74	957,868
Sonoma Aqueduct Facilities Capital Charges [4.6 b]	16,034.0	0.00	0
<b>TOTAL WATER SALES - Capital &amp; Bond and Loan Charges</b>	16,034.0	N/A	\$1,845,817

**TOTAL ESTIMATED REVENUE**

**\$12,932,768**

**FY 2016-17 BUDGET**

**Water Transmission System Agency Fund**

**PETALUMA AQUEDUCT ESTIMATED WATER DELIVERIES AND WATER SALES - O&M plus Surcharges**

**Sub-Object 4161**

REVENUE CATEGORY	ESTIMATED ACRE FEET DELIVERED	ESTIMATED RATES	ESTIMATED REVENUE
<b><u>WATER SALES - O&amp;M</u></b>			
1 PETALUMA AQUEDUCT	20,573.5	547.42	11,262,351

**Sub-Object 4175, 4176, 4177, and 4178**

REVENUE CATEGORY	ESTIMATED ACRE FEET DELIVERED	ESTIMATED RATES	ESTIMATED REVENUE
<b><u>WATER SALES - Sub-charges</u></b>			
1a Water Management Planning Sub-charge [4.13]	20,573.5	3.04	62,548
1b Watershed Planning/Restoration Sub-charge [4.14]	20,573.5	82.67	1,700,770
1c Recycled Water & Local Supply Sub-charge [4.15]	20,573.5	16.41	337,616
1d Water Conservation Sub-charge [4.16]	20,573.5	41.93	862,600
<b>TOTAL WATER SALES - Subcharges</b>	20,573.5	N/A	\$2,963,534

REVENUE CATEGORY	ESTIMATED ACRE FEET DELIVERED	ESTIMATED RATES	ESTIMATED REVENUE
<b><u>CAPITAL CHARGES</u></b>			
Aqueduct Facilities Capital Charges [4.6 e]	20,573.5	19.50	401,183
<b><u>BOND AND LOAN CAPITAL CHARGES</u></b>			
Storage Facilities Capital Charge [4.7]	20,573.5	35.88	738,162
Common Facilities Capital Charge [4.8]	20,573.5	59.74	1,229,059
Sonoma Aqueduct Facilities Capital Charges [4.6 b]	20,573.5	0.00	0
<b>TOTAL WATER SALES - Capital &amp; Bond and Loan Charges</b>	20,573.5	N/A	\$2,368,404

**TOTAL ESTIMATED REVENUE**

**\$16,594,289**

**FY 2016-17 BUDGET**  
**Water Transmission System Agency Fund**  
**SONOMA AQUEDUCT ESTIMATED WATER DELIVERIES AND WATER SALES - O&M plus Surcharges**  
**Sub-Object 4161**

REVENUE CATEGORY	ESTIMATED ACRE FEET DELIVERED	ESTIMATED RATES	ESTIMATED REVENUE
<b>WATER SALES - O&amp;M</b>			
1 SONOMA AQUEDUCT	3,539.3	547.42	1,937,508

**Sub-Object 4175, 4176, 4177, and 4178**

REVENUE CATEGORY	ESTIMATED ACRE FEET DELIVERED	ESTIMATED RATES	ESTIMATED REVENUE
<b>WATER SALES - Sub-charges</b>			
1a Water Management Planning Sub-charge [4.13]	3,539.3	3.04	10,760
1b Watershed Planning/Restoration Sub-charge [4.14]	3,539.3	82.67	292,590
1c Recycled Water & Local Supply Sub-charge [4.15]	3,539.3	16.41	58,081
1d Water Conservation Sub-charge [4.16]	3,539.3	41.93	148,397
<b>TOTAL WATER SALES - Subcharges</b>	3,539.3	N/A	\$509,828

REVENUE CATEGORY	ESTIMATED ACRE FEET DELIVERED	ESTIMATED RATES	ESTIMATED REVENUE
<b>CAPITAL CHARGES</b>			
Aqueduct Facilities Capital Charges [4.6 e]	3,539.3	32.00	113,259
<b>BOND AND LOAN CAPITAL CHARGES</b>			
Storage Facilities Capital Charge [4.7]	3,539.3	35.88	126,989
Common Facilities Capital Charge [4.8]	3,539.3	59.74	211,440
Sonoma Aqueduct Facilities Capital Charges [4.6 b]	3,539.3	75.53	267,331
<b>TOTAL WATER SALES - Capital &amp; Bond and Loan Charges</b>	3,539.3	N/A	\$719,019

**TOTAL ESTIMATED REVENUE**

**\$3,166,355**

**FY 2016-17 BUDGET  
BEGINNING AND ENDING CASH SUMMARY**

Section Title:

**Water Transmission System Agency Fund**

Section/Fund No:

**44205**

Account Title	Actual 2014-15	Estimated 2015-16	Adopted 2015-16	Requested 2016-17	Difference	Percent Change
<b>BEGINNING FUND BALANCE</b>	<b>5,132,115</b>	<b>5,997,428</b>		<b>5,006,370</b>		

**REVENUES**

**USE OF MONEY / PROPERTY**

44002 Interest on Pooled Cash	84,885	47,000	60,000	45,000	(15,000)	(25.00%)
44003 Other Interest Earnings	0	0	0	0	0	N/A
44050 Unrealized Gains & Losses	(11,192)	(51,000)	0	0	0	N/A
44109 Concessions	0	0	0	0	0	N/A
44101 Rent - Real Estate	450	500	0	0	0	N/A
SUBTOTAL	74,143	(3,500)	60,000	45,000	(15,000)	(25.00%)

**INTERGOVERNMENTAL REVENUES**

42358 State Other Funding	14,096	0	50,000	0	(50,000)	(100.00%)
42461 Federal Other Funding	0	0	0	0	0	N/A
42610 Other Governmental Agencies	0	0	0	0	0	N/A
42621 North Marin Water District	0	0	0	0	0	N/A
42701 Revenue Appl - PY Intergovmtl	12,637	0	0	0	0	N/A
SUBTOTAL	26,733	0	50,000	0	(50,000)	(100.00%)

**MISCELLANEOUS REVENUES**

46021 Capital Grants - Federal	0	0	0	0	0	N/A
46027 Insurance Claims Reimbursement	0	0	0	0	0	N/A
46029 Donations/Contributions	4,000	0	40,000	12,000	(28,000)	(70.00%)
46040 Miscellaneous Revenue	15,027	2,000	0	0	0	N/A
46041 Discounts Earned	964	1,041	0	0	0	N/A
46050 Cancelled/Stale Dated Warrants	8	300	0	0	0	N/A
46200 Revenue Appl PY Misc Revenue	195,969	183,000	0	0	0	N/A
46205 PY Revenue – Charges for Servi	0	16,135	0	0	0	N/A
46215 Other Grants	61,540	61,540	0	0	0	N/A
SUBTOTAL	277,507	264,016	40,000	12,000	(28,000)	(70.00%)

**CHARGES FOR SERVICES**

45062 Construct/Bldg Permit Rvw Svcs	0	0	0	0	0	N/A
45065 Inspection Fees	0	0	0	0	0	N/A
45223 Sewer/Water Hook up Fees	48,434	26,200	0	0	0	N/A
45301 Charges for Services	123,769	123,000	0	0	0	N/A
45314 Sale - Power	618,418	618,000	800,000	800,000	0	0.00%
45315 Sale - Water, Wholesale	22,576,077	20,554,354	27,138,289	23,199,159	(3,939,130)	(14.52%)
45316 Water Conservation	1,884,533	1,642,419	2,050,281	1,699,059	(351,222)	(17.13%)
45323 Common Fac Rev Bond Chg	2,170,679	2,342,767	1,841,731	2,069,606	227,875	12.37%
45324 Storage Fac Rev Bond Chg	857,774	1,152,265	845,815	1,088,989	243,174	28.75%
45325 Sonoma Aqueduct Rev Bond Chg	240,131	300,197	255,333	267,331	11,998	4.70%
45327 Santa Rosa Aqueduct Cap Chg	346,630	348,225	433,323	367,478	(65,845)	(15.20%)
45328 Petaluma Aqueduct Cap Chg	214,754	196,042	273,495	252,060	(21,435)	(7.84%)
45329 Sonoma Aqueduct Cap Chg	123,089	116,798	144,204	128,105	(16,099)	(11.16%)
45330 North Marin Rev Bond Chg	248,558	168,902	263,737	256,411	(7,326)	(2.78%)
45331 Water Mgmt Plan/Restore Chg	46,455	158,852	198,500	123,200	(75,300)	(37.93%)

## Section Title:

## Water Transmission System Agency Fund

## Section/Fund No:

44205

Account Title	Actual 2014-15	Estimated 2015-16	Adopted 2015-16	Requested 2016-17	Difference	Percent Change
45332 Watershed Plan/Restore Chg	3,783,911	3,228,511	4,030,500	3,350,000	(680,500)	(16.88%)
45333 Recycled Water & Local Supply	1,319,891	1,279,734	1,597,600	665,000	(932,600)	(58.38%)
<b>SUBTOTAL</b>	<b>34,603,101</b>	<b>32,256,267</b>	<b>39,872,808</b>	<b>34,266,399</b>	<b>(5,606,409)</b>	<b>(14.06%)</b>
<b>OTHER FINANCING SOURCES</b>						
47002 Sale of Capital Assets	253,208	250,000	0	0	0	N/A
47102 Transfers In - btw Govtl Funds	0	184,477	0	0	0	N/A
<b>SUBTOTAL</b>	<b>253,208</b>	<b>434,477</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>TOTAL REVENUES</b>	<b>35,234,691</b>	<b>32,951,260</b>	<b>40,022,808</b>	<b>34,323,399</b>	<b>(5,699,409)</b>	<b>(14.24%)</b>

**EXPENDITURES****SERVICES AND SUPPLIES**

51031 Waste Disposal Services	0	4,000	0	4,000	4,000	N/A
51032 Janitorial Services	386	4,000	300	4,000	3,700	1233.33%
51061 Maintenance - Equipment	362,449	600,000	814,400	530,000	(284,400)	(34.92%)
51071 Maintenance - Bldg & Improve	26,975	0	0	0	0	N/A
51072 Landscaping Services	0	0	3,000	0	(3,000)	(100.00%)
51077 Maint-Infrastructure	13,753	0	0	0	0	N/A
51205 Advertising/Marketing Svc	450	4,000	0	4,000	4,000	N/A
51209 Information Tech Svc (non ISD)	5,036	4,000	5,000	4,000	(1,000)	(20.00%)
51211 Legal Services	8,945	10,000	20,000	10,000	(10,000)	(50.00%)
51214 Agency Extra/Temp Help	0	1,000	0	1,000	1,000	N/A
51226 Consulting Services	133,550	0	715,000	0	(715,000)	(100.00%)
51230 Security Services	504	0	0	0	0	N/A
51231 Testing/Analysis	175,897	160,000	130,000	160,000	30,000	23.08%
51241 Outside Printing and Binding	7,668	2,100	4,000	5,000	1,000	25.00%
51244 Permits/License/Fees	46,450	40,000	40,000	45,000	5,000	12.50%
51249 Other Professional Services	1,066	0	0	0	0	N/A
51301 Publications and Legal Notices	0	0	1,000	0	(1,000)	(100.00%)
51401 Rents and Leases - Equipment	67,670	155,000	155,000	155,000	0	0.00%
51421 Rents and Leases - Bldg/Land	2,003	2,000	1,300	2,000	700	53.85%
51601 Training Services	16,145	12,000	12,000	12,000	0	0.00%
51602 Business Travel/Mileage	13,765	15,000	15,000	15,000	0	0.00%
51605 Private Car Expense	1,708	1,000	2,000	1,000	(1,000)	(50.00%)
51801 Other Services	175	10,000	0	0	0	N/A
51803 Other Contract Services	679,705	890,000	1,532,000	884,500	(647,500)	(42.27%)
51902 Telecommunication Usage	90,229	90,000	80,000	90,000	10,000	12.50%
51911 Mail Services	0	60	0	0	0	N/A
51917 District Operations Chgs	11,552,866	11,900,000	11,845,000	12,200,350	355,350	3.00%
51921 Equipment Usage Charges	596,091	600,000	560,000	600,000	40,000	7.14%
52021 Clothing, Uniforms, Personal	12,821	12,000	10,000	10,000	0	0.00%
52031 Food	655	600	669	700	31	4.63%
52042 Janitorial Supplies	49	4,000	0	4,000	4,000	N/A
52061 Fuel/Gas/Oil	9,093	10,000	15,000	10,000	(5,000)	(33.33%)
52071 Materials and Supplies Expense	225,096	0	0	0	0	N/A
52072 Chemicals	607,117	700,000	740,000	650,000	(90,000)	(12.16%)

## Section Title:

Water Transmission System Agency Fund

## Section/Fund No:

44205

Account Title	Actual 2014-15	Estimated 2015-16	Adopted 2015-16	Requested 2016-17	Difference	Percent Change
52081 Medical/Laboratory Supplies	47,455	25,000	35,000	25,000	(10,000)	(28.57%)
52091 Memberships/Certifications	44,764	48,000	42,000	44,000	2,000	4.76%
52101 Other Supplies	43,752	20,000	0	40,000	40,000	N/A
52111 Office Supplies	12,987	12,000	31,000	10,000	(21,000)	(67.74%)
52115 Books/Media/Subscriptions	651	800	1,000	1,000	0	0.00%
52117 Mail and Postage Supplies	3,265	3,000	4,000	3,000	(1,000)	(25.00%)
52141 Minor Equipment/Small Tools	169,778	120,000	160,000	140,000	(20,000)	(12.50%)
52142 Computer Equipment/Accessories	6,264	7,000	0	7,000	7,000	N/A
52143 Computer Software/Licensing Fees	16,211	20,000	20,000	20,000	0	0.00%
52162 Special Department Expense	0	1,000	0	0	0	N/A
52171 Water Conservation Program	0	0	0	0	0	N/A
52191 Utilities	766	500	0	0	0	N/A
52193 Utilities - Electric	4,039,325	4,000,000	4,800,000	4,300,000	(500,000)	(10.42%)
<b>SUBTOTAL</b>	<b>19,043,534</b>	<b>19,488,060</b>	<b>21,793,669</b>	<b>19,991,550</b>	<b>(1,802,119)</b>	<b>(8.27%)</b>
<b><u>OTHER CHARGES</u></b>						
53103 Interest on LT Debt	0	0	0	0	0	N/A
53104 Other interest Expense	(2,043)	0	0	0	0	N/A
53401 Amortization Expense	240,716	241,500	241,500	241,500	0	0.00%
53402 Depreciation Expense	5,583,997	6,356,403	5,727,000	6,356,403	629,403	10.99%
53403 Loss - Disposed Capital Asset	0	0	0	0	0	N/A
53501 Contributions	0	30,000	0	0	0	N/A
<b>SUBTOTAL</b>	<b>5,822,670</b>	<b>6,627,903</b>	<b>5,968,500</b>	<b>6,597,903</b>	<b>629,403</b>	<b>10.55%</b>
<b><u>FIXED ASSETS</u></b>						
19820 Machinery and Equipment	0	0	0	0	0	N/A
19822 Mobile Equipment	0	0	0	0	0	N/A
19824 Computer Equipment	0	0	0	0	0	N/A
19831 CIP - Bldg & Impr	0	0	0	0	0	N/A
19832 CIP - Infrastructure	110,839	0	0	0	0	N/A
19840 Work in Progress - Eq	22,782	0	0	0	0	N/A
19841 Work in Progress - Intang	61,570	0	0	0	0	N/A
19851 Intangible Assets - Non-amort	0	0	0	0	0	N/A
<b>SUBTOTAL</b>	<b>195,191</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>N/A</b>
<b><u>OTHER FINANCING USES</u></b>						
57012 Transfers Out - btw Govtl Fund	15,000,000	15,959,106	18,276,565	13,722,251	(4,554,314)	(24.92%)
<b>SUBTOTAL</b>	<b>15,000,000</b>	<b>15,959,106</b>	<b>18,276,565</b>	<b>13,722,251</b>	<b>(4,554,314)</b>	<b>(24.92%)</b>
<b><u>APPROP. FOR CONTINGENCIES</u></b>						
55011 Appropriation for Contingency	0	0	0	0	0	N/A
<b>SUBTOTAL</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>N/A</b>
<b><u>REMIBURSEMENTS</u></b>						
58010 Reimb. - General	15,340	0	0	0	0	N/A
<b>SUBTOTAL</b>	<b>15,340</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>N/A</b>

## Section Title:

Water Transmission System Agency Fund

## Section/Fund No:

44205

Account Title	Actual 2014-15	Estimated 2015-16	Adopted 2015-16	Requested 2016-17	Difference	Percent Change
<b>ADMIN. CONTROL ACCOUNT</b>						
59004 Administrative Control Account	0	0	0	0	0	N/A
59005 Admin Control Acct Clearing	0	0	0	0	0	N/A
SUBTOTAL	0	0	0	0	0	N/A
<b>TOTAL EXPENDITURES</b>	<b>40,076,734</b>	<b>42,075,069</b>	<b>46,038,734</b>	<b>40,311,704</b>	<b>(5,727,030)</b>	<b>(12.44%)</b>
<b>Adjustments to Reserves/Encumbrances:</b>						
Technical Adjustments						
Depreciation	5,824,713	6,597,903		6,597,903		
Outstanding Encumbrances - (Decrease) Fu	(131,298)	1,534,847				
Capitalized Interest	(2,043)					
Gain/Loss on disposal of fixed assets	4,792					
Unrealized Gain/ Loss (GASB 31)	11,192					
Change in Prudent Reserve						
Rounding	0					
<b>ENDING FUND BALANCE</b>	<b>5,997,428</b>	<b>5,006,370</b>		<b>5,615,968</b>		

*Operations and Maintenance 44205 Fund Balance Reserve Goal*  
*Over/(Under) Goal*

*4,997,888*  
*618,081*

**Water Transmission System Agency Fund**  
**Major Services & Supplies Expenditure Items**

Section/Fund No:

**44205**

	Actual FY 14-15	Adopted FY 15-16	Requested FY 16-17	Difference	Percent Change
<u>51061 Maintenance - Equipment</u>	362,449	814,400	530,000	(284,400)	-34.9%
In response to reduced deliveries, Agency is working to reduce these costs. No critical projects deferred.					
<u>51211 Legal Services</u>	8,945	20,000	10,000	(10,000)	-50.0%
Reflects level of expected expenditures.					
<u>51231 Testing/Analysis</u>	175,897	130,000	160,000	30,000	23.1%
Reflects level of expected expenditures.					
<u>51803 Other Contract Services</u>	679,705	1,532,000	884,500	(647,500)	-42.3%
See attached list. In response to reduced deliveries, Agency is working to reduce these costs.					
<u>51917 District Operations Chgs</u>	11,552,866	11,845,000	12,200,350	355,350	3.0%
Increase is per negotiated labor agreements.					
<u>51921 Equipment Usage Charges</u>	596,091	560,000	600,000	40,000	7.1%
Anticipated costs based on prior year actuals.					
<u>52072 Chemicals</u>	607,117	740,000	650,000	(90,000)	-12.2%
Reflects level of expected expenditures.					
<u>52141 Minor Equipment/Small Tools</u>	169,778	160,000	140,000	(20,000)	-12.5%
In response to reduced deliveries, Agency is working to reduce these costs.					
<u>52193 Utilities - Electric</u>	4,039,325	4,800,000	4,300,000	(500,000)	-10.4%
Reflects level of expected expenditures.					

**2016-17**

**Water Transmission System Agency Fund**

<b>51061</b>	<b>Maintenance - Equipment</b>	<b>AMOUNT</b>
1	Collector 6 Chlorine Lines Maintenance	55,000
2	Electrical Supplies and Maintenance Services	180,000
3	Hardware and Miscellaneous Supplies	100,000
4	Pump and Pipeline Supplies and Maintenance Services	120,000
5	Safety Equipment and Safety Equipment Testing	30,000
6	Santa Rosa Plain Well Monitoring Program (SCWA Wells)	15,000
7	Miscellaneous maintenance	30,000
		<u>\$ 530,000</u>

<b>51803</b>	<b>Other Contract Services</b>	<b>AMOUNT</b>
1	Aqueduct Condition Assessments	50,000
2	As-Needed Dive Services	100,000
3	BAIRWMP	30,000
4	Collector Capacity Study	180,000
5	Community Outreach Program	7,500
6	Groundwater Banking Feasibility - Pilot Studies	125,000
7	LBNL Wohler Geophysics (phase 2 & 3)	30,000
8	Legislative Advocacy - Federal	90,000
9	Legislative Advocacy - State	30,000
10	LHMP - program planning	10,000
11	Miscellaneous Contract Services	50,000
12	NCIRWMP	35,000
13	Riverfront Park Maintenance	95,500
14	Russian River Well Field Assessment and Evaluation	30,000
15	Sonoma Youth Ecology Corps	16,500
16	Strategic Partnerships Initiative	5,000
		<u>\$ 884,500</u>

**See Project Information Next Page**

## **51803 Other Contract Services Project Information**

### **Aqueduct Condition Assessments**

This program is evaluating approaches to assess the integrity of the water transmission system pipelines with data collected from a variety of inspection technologies. To date, several pipeline inspection technologies have been pilot-tested on sections of the Santa Rosa Aqueduct, Sonoma Aqueduct, and Oakmont Pipeline. Additional inspection technologies are planned for evaluation in the upcoming year.

### **Collector Capacity Study**

The Collector Capacity Study is a program the Water Agency started 6 or 7 years ago to evaluate the condition and pumping capacity of each of the collector wells on a relatively regular basis (approximately every 3 to 5 years). A goal of the program was also to establish a standard protocol for performing the pumping test so that results of the testing were comparable over time. The second round of condition assessment and testing of Collectors 3, 4 and 5 was completed last summer. The final report summarizing the findings should be available in the next month or so. The second round of testing of Collectors 1, 2 and 6 is scheduled for next summer. The six collector wells produce approximately 98% of the Water Agency water purchased by the Contractors.

### **Groundwater Banking Feasibility – Pilot Studies**

A Feasibility Study for a Groundwater Banking Program was prepared in 2013 for the Water Agency in partnership with the City of Sonoma, Valley of the Moon Water District, City of Cotati, City of Rohnert Park, and Town of Windsor. The Feasibility Study identified opportunities to improve long-term water supply reliability in Sonoma Valley and the Santa Rosa Plain by utilizing wintertime Russian River supplies and existing conveyance infrastructure to meet dry year water needs. The Feasibility Study concluded that aquifer storage and recovery wells are the most feasible method for implementing groundwater banking in the region. The next step in demonstrating the feasibility of Aquifer Storage and Recovery (ASR) is to perform a pilot study to: (1) assess the ability of local aquifers to store water; (2) assess potential water quality changes during ASR; (3) refine permitting parameters for ASR projects; and (4) provide data to scope and develop long-term groundwater banking programs.

Funds to be expended in FY 15/16 and FY 16/17 will: (1) provide match funding from a State LGA grant to support the construction of monitoring wells intended to support future ASR Pilot Projects for the City of Sonoma and VOMWD; and (2) support performance of an ASR Pilot Study for the City of Sonoma in 2016.

### **Lawrence Berkeley National Laboratory (LBNL) Wohler Geophysics**

The objective of the project is to develop both insights and tools that can be used by the Water Agency to optimize operation of the Water Agency's water supply diversion facilities. This work is being conducted to improve the reliability of the water transmission system and is an immediate action described in the Water Agency's Water Supply Strategies Action Plan. The work builds upon previous phases of study by Lawrence Berkeley National Laboratory (LBNL) researchers, which focused on the collection of geophysical data and the integration of that data with hydrological computer models to simulate surface water infiltration and groundwater flow characteristics along the Russian River adjacent to the Water Agency's diversion facilities. The findings of these studies suggest that riverbed permeability is a key control on surface water infiltration characteristics, which is particularly affected by seasonal clogging of the riverbed by fine particles.

Work accomplished in FY14/15 and FY15/16 includes: (1) collection and analysis of sediment samples, water-level, and temperature data; (2) collection and analysis of geophysical data sets; and (3) preparation of journal article describing results of the study.

Additional work activities contemplated in FY16-17 include utilizing the data collected and study findings to further couple geophysical data with the hydrologic model, which will provide a tool for Water Agency staff to optimize both the monitoring and operation of the Water Agency's diversion facilities on the Russian River.

## **51803 Other Contract Services Project Information**

### **Russian River Well Field Evaluation**

The Russian River Well Field is an emergency backup water supply that cannot pump into the transmission system when the collector wells are pumping (their pumps operate at a much lower hydraulic head). The FY16-17 budget is to develop a work plan to:

1. Evaluate the condition of the wells;
2. Determine which configuration of wells could best augment water produced by the collector wells;
3. How to best pump water produced by the well field into the transmission system; and
4. Determine if there are locations at Mirabel and Wohler where additional wells could be drilled and constructed to augment water produced by the existing system.

DRAFT

**FY 2016-17 BUDGET  
BEGINNING AND ENDING CASH SUMMARY**

Section Title: Water Management Planning

Section/Fund No: 44210

Account Title	Actual 2014-15	Estimated 2015-16	Adopted 2015-16	Requested 2016-17	Difference	Percent Change
<b>BEGINNING FUND BALANCE</b>	<b>409,666</b>	<b>503,294</b>		<b>247,523</b>		
<b>REVENUES</b>						
<b>USE OF MONEY / PROPERTY</b>						
44002 Interest on Pooled Cash	2,792	2,100	2,100	2,100	0	0.00%
44050 Unrealized Gains and Losses	(2,447)	(1,500)	0	0	0	N/A
SUBTOTAL	345	600	2,100	2,100	0	0.00%
<b>INTERGOVERNMENTAL REVENUE</b>						
42619 Town of Windsor	2,611	9,533	12,556	7,394	(5,162)	(41.11%)
SUBTOTAL	2,611	9,533	12,556	7,394	(5,162)	(41.11%)
<b>OTHER FINANCING SOURCES</b>						
47102 Transfers In - btw Govtl Fund	46,455	158,852	198,500	123,200	(75,300)	(37.93%)
SUBTOTAL	46,455	158,852	198,500	123,200	(75,300)	(37.93%)
<b>TOTAL REVENUES</b>	<b>49,411</b>	<b>168,986</b>	<b>213,156</b>	<b>132,694</b>	<b>(80,462)</b>	<b>(37.75%)</b>
<b>EXPENDITURES</b>						
<b>SERVICES AND SUPPLIES</b>						
51211 Legal Services	0	0	0	0	0	N/A
51212 Legal Services - External	0	600	0	0	0	
51602 Business Travel/Mileage	0	0	0	0	0	
51605 Private Car Expense	0	0	0	0	0	N/A
51803 Other Contract Services	0	200,000	200,000	20,000	(180,000)	
51917 District Operations Chgs	7,909	75,000	75,000	5,000	(70,000)	(93.33%)
51921 Equipment Usage Charges	0	0	0	0	0	N/A
52171 Water Conservation Program	0	0	0	0	0	N/A
SUBTOTAL	7,909	275,600	275,000	25,000	(250,000)	(90.91%)
<b>OTHER CHARGES</b>						
53103 Interest on LT Debt	0	0	0	0	0	N/A
53501 Contributions	0	0	0	0	0	N/A
SUBTOTAL	0	0	0	0	0	N/A
<b>OTHER FINANCING USES</b>						
57012 Transfers Out - btw Govtl Fur	0	7,066	0	0	0	N/A
SUBTOTAL	0	7,066	0	0	0	N/A
<b>TOTAL EXPENDITURES</b>	<b>7,909</b>	<b>282,666</b>	<b>275,000</b>	<b>25,000</b>	<b>(250,000)</b>	<b>(90.91%)</b>
<b>Adjustments to Reserves/Encumbrances:</b>						
Technical Adjustments		(142,090)				
Outstanding Encumbrances - Net Change	49,679					
Unrealized Gain/ Loss (GASB 31)	2,447					
Rounding		-0.5				
<b>ENDING FUND BALANCE</b>	<b>503,294</b>	<b>247,523</b>		<b>355,217</b>		

**FY 2016-17 BUDGET  
BEGINNING AND ENDING CASH SUMMARY**

Section Title: Watershed Planning/Restoration

Section/Fund No: 44215

Account Title	Actual 2014-15	Estimated 2015-16	Adopted 2015-16	Requested 2016-17	Difference	Percent Change
<b>BEGINNING FUND BALANCE</b>	<b>5,072,517</b>	<b>6,764,613</b>		<b>2,185,415</b>		
<b>REVENUES</b>						
<b>USE OF MONEY / PROPERTY</b>						
44002 Interest on Pooled Cash	34,746	30,000	18,000	18,000	0	0.00%
44050 Unrealized Gains and Losses	(29,470)	(25,000)	0	0	0	N/A
SUBTOTAL	5,276	5,000	18,000	18,000	0	0.00%
<b>INTERGOVERNMENTAL REVENUE</b>						
42461 Federal Other Funding	6,993	64,000	0	0	0	N/A
42619 Town of Windsor	212,634	193,757	254,944	201,049	(53,895)	(21.14%)
SUBTOTAL	219,627	257,757	254,944	201,049	(53,895)	(21.14%)
<b>MISCELLANEOUS REVENUE</b>						
46021 Capital Grants - Federal	26,127	0	0	0	0	N/A
46029 Donations/Contributions	1,822	0	0	0	0	N/A
46040 Miscellaneous Revenue	0	0	0	0	0	N/A
46050 Cancelled/Stale Dated Warrant	792	0	0	0	0	N/A
46200 Revenue Appl PY Misc Reven	1,515	100	0	0	0	N/A
SUBTOTAL	30,255	100	0	0	0	N/A
<b>OTHER FINANCING SOURCES</b>						
47102 Transfers In - btw Govtl Funds	3,783,911	3,228,511	4,030,500	3,350,000	(680,500)	(16.88%)
SUBTOTAL	3,783,911	3,228,511	4,030,500	3,350,000	(680,500)	(16.88%)
<b>TOTAL REVENUES</b>	<b>4,039,070</b>	<b>3,491,369</b>	<b>4,303,444</b>	<b>3,569,049</b>	<b>(734,395)</b>	<b>(17.07%)</b>
<b>EXPENDITURES</b>						
<b>SERVICES AND SUPPLIES</b>						
51021 Communication Expense	198	0	0	0	0	N/A
51061 Maintenance - Equipment	5,111	6,000	0	0	0	N/A
51209 Information Tech Svc (non ISD)	80	0	0	0	0	N/A
51211 Legal Services	17,602	6,000	0	0	0	N/A
51212 Legal Services - External	2,153	2,000	0	0	0	N/A
51226 Consulting Services	49,821	0	0	0	0	N/A
51231 Testing/Analysis	59,696	60,000	0	0	0	N/A
51241 Outside Printing and Binding	4,298	5,700	0	0	0	N/A
51244 Permits/License/Fees	103	2,500	0	0	0	N/A
51401 Rents and Leases - Equipment	19,346	22,000	0	0	0	N/A
51601 Training/Conference	1,420	0	0	0	0	N/A
51602 Business Travel/Mileage	1,144	1,300	0	0	0	N/A
51605 Private Car Expense	1,454	0	0	0	0	N/A
51803 Other Contract Services	590,042	3,300,000	1,211,000	1,376,500	165,500	13.67%
51902 Telecommunication Usage	46	150	0	0	0	N/A
51917 District Operations Chgs	1,439,139	1,600,000	3,469,500	3,048,500	(421,000)	(12.13%)
51921 Equipment Usage Charges	29,799	25,000	0	0	0	N/A
52021 Clothing, Uniforms, Personal	3,443	1,500	0	0	0	N/A
52031 Food	693	400	0	0	0	N/A
52043 Safety Supplies/Equipment	268	0	0	0	0	N/A
52063 Vehicle Parts	668	0	0	0	0	N/A
52071 Materials and Supplies Expens	258	0	0	0	0	N/A
52081 Medical/Laboratory Supplies	1,792	1,700	0	0	0	N/A
52101 Other Supplies	19,383	10,000	0	0	0	N/A

## Section Title:

Watershed Planning/Restoration

## Section/Fund No:

44215

Account Title	Actual 2014-15	Estimated 2015-16	Adopted 2015-16	Requested 2016-17	Difference	Percent Change
52111 Office Supplies	97	100	0	0	0	N/A
52114 Freight/Postage	1,057	0	0	0	0	N/A
52117 Mail and Postage Supplies	1,480	1,500	0	0	0	N/A
52141 Minor Equipment/Small Tools	11,671	6,000	0	0	0	N/A
52181 Business Meals/Supplies	43	0	0	0	0	N/A
<b>SUBTOTAL</b>	<b>2,262,304</b>	<b>5,051,850</b>	<b>4,680,500</b>	<b>4,425,000</b>	<b>(255,500)</b>	<b>(5.46%)</b>
<b><u>OTHER CHARGES</u></b>						
53104 Other Interest Expense	(78)	0	0	0	0	N/A
53402 Depreciation Expense	925	5,500	0	0	0	N/A
53501 Contributions	0	2,500	0	0	0	N/A
<b>SUBTOTAL</b>	<b>847</b>	<b>8,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>N/A</b>
<b><u>REIMBURSEMENTS</u></b>						
58010 Reimb. - General	0	0	0	0	0	N/A
<b>SUBTOTAL</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>N/A</b>
<b><u>FIXED ASSETS</u></b>						
19840 Acq-WIP-Equipment	27,939	20,000	0	0	0	N/A
19841 Acq-WIP-Intangibles	23,989	210,000	0	150,000	150,000	N/A
19851 Intangible Assets - Non-amort	0	0	0	0	0	N/A
<b>SUBTOTAL</b>	<b>51,929</b>	<b>230,000</b>	<b>0</b>	<b>150,000</b>	<b>150,000</b>	<b>N/A</b>
<b><u>OTHER FINANCING USES</u></b>						
57012 Transfers Out - btw Govtl Fund	0	87,436	0	0	0	N/A
<b>SUBTOTAL</b>	<b>0</b>	<b>87,436</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>N/A</b>
<b>TOTAL EXPENDITURES</b>	<b>2,315,080</b>	<b>5,377,286</b>	<b>4,680,500</b>	<b>4,575,000</b>	<b>(105,500)</b>	<b>(2.25%)</b>
<b>Adjustments to Reserves/Encumbrances:</b>						
Technical Adjustments		(3,227,189)				
Outstanding Encumbrances - Net Change	(62,210)	533,908				
Capital Interest	(78)					
Depreciation	925					
Unrealized Gain/ Loss (GASB 31)	29,470					
Rounding	(1)	1				
<b>ENDING FUND BALANCE</b>	<b>6,764,613</b>	<b>2,185,415</b>		<b>1,179,464</b>		

**FY 2016-17 BUDGET  
BEGINNING AND ENDING CASH SUMMARY**

Section Title: Recycled Water and Local Supply

Section/Fund No: 44220

Account Title	Actual 2014-15	Estimated 2015-16	Adopted 2015-16	Requested 2016-17	Difference	Percent Change
<b>BEGINNING FUND BALANCE</b>	<b>1,112,225</b>	<b>1,140,307</b>		<b>69,112</b>		
<b>REVENUES</b>						
<b>USE OF MONEY / PROPERTY</b>						
44002 Interest on Pooled Cash	11,923	12,000	4,500	4,500	0	0.00%
44050 Unrealized Gains and Losses	(9,387)	(6,000)	0	0	0	N/A
SUBTOTAL	2,536	6,000	4,500	4,500	0	0.00%
<b>INTERGOVERNMENTAL REVENUE</b>						
42358 State Other Funding	0	0	0	0	0	N/A
42619 Town of Windsor	74,170	76,803	101,054	39,910	(61,144)	(60.51%)
SUBTOTAL	74,170	76,803	101,054	39,910	(61,144)	(60.51%)
<b>CHARGES FOR SERVICES</b>						
45301 Charges for Services	158,517	0	0	0	0	N/A
SUBTOTAL	158,517	0	0	0	0	0
<b>MISCELLANEOUS REVENUE</b>						
46200 Revenue Appl PY Misc Revenue	200	200	0	0		
46029 Donations/Contributions	0	0	0	0	0	N/A
SUBTOTAL	200	172,700	172,500	112,500	(60,000)	(34.78%)
<b>OTHER FINANCING SOURCES</b>						
47102 Transfers In - btw Govtl Funds	1,319,891	1,331,734	1,597,600	665,000	(932,600)	(58.38%)
SUBTOTAL	1,319,891	1,331,734	1,597,600	665,000	(932,600)	(58.38%)
<b>TOTAL REVENUES</b>	<b>1,555,314</b>	<b>1,587,236</b>	<b>1,875,654</b>	<b>821,910</b>	<b>(1,053,744)</b>	<b>(56.18%)</b>
<b>EXPENDITURES</b>						
<b>SERVICES AND SUPPLIES</b>						
51021 Communication Expense	35	0	0	0	0	N/A
51061 Maintenance - Equipment	155	0	0	0	0	N/A
51205 Advertising/Marketing Svc	3,241	0	0	0	0	N/A
51209 Information Tech Svc (non ISD)	99	6,000	0	0	0	N/A
51211 Legal Services	20,496	14,000	42,000	0	(42,000)	(100.00%)
51212 Legal Services - External	7,325	5,000	0	0	0	N/A
51226 Consulting Services	22,466	0	0	0	0	N/A
51241 Outside Printing and Binding	2,252	0	0	0	0	N/A
51244 Permits/License/Fees	50	0	0	0	0	N/A
51401 Rents and Leases - Equipment	0	700	0	0	0	N/A
51601 Training Services	1,923	2,600	0	0	0	N/A
51602 Business Travel/Mileage	0	2,600	0	0	0	N/A
51803 Other Contract Services	414,071	700,000	404,500	372,500	(32,000)	(7.91%)
51902 Telecommunication Usage	39	0	0	0	0	N/A
51915 ISD - Reprographics Services	1,009	0	0	0	0	N/A
51917 District Operations Chgs	682,714	700,000	515,000	405,000	(110,000)	(21.36%)
51921 Equipment Usage Charges	1,528	1,200	0	0	0	N/A
52031 Food	63	0	0	0	0	N/A
52101 Other Supplies	207	0	0	0	0	N/A
52115 Books/Media/Subscriptions	9	0	0	0	0	N/A
52141 Minor Equipment/Small Tools	25	0	0	0	0	N/A
52143 Computer Software/Licensing Fees	0	3,000	0	0	0	N/A
SUBTOTAL	1,157,706	1,435,100	961,500	777,500	(184,000)	(19.14%)

## Section Title:

Recycled Water and Local Supply

## Section/Fund No:

44220

Account Title	Actual 2014-15	Estimated 2015-16	Adopted 2015-16	Requested 2016-17	Difference	Percent Change
<b>OTHER CHARGES</b>						
53103 Interest on LT Debt	0	0	0	0	0	N/A
53501 Contributions	0	1,246,644	1,157,233	0	(1,157,233)	(100.00%)
SUBTOTAL	0	1,246,644	1,157,233	0	(1,157,233)	(100.00%)
<b>FIXED ASSETS</b>						
19831 CIP - Bldg & Impr	0	0	0	0	0	N/A
19832 CIP - Infrastructure	0	4,500	0	0	0	N/A
19841 Work in Progress - Intang	0	0	0	0	0	N/A
SUBTOTAL	0	4,500	0	0	0	N/A
<b>OTHER FINANCING USES</b>						
57012 Transfers Out - btw Govtl Fund	0	28,318	0	0	0	N/A
SUBTOTAL	0	28,318	0	0	0	N/A
<b>TOTAL EXPENDITURES</b>	<b>1,157,706</b>	<b>2,714,562</b>	<b>2,118,733</b>	<b>777,500</b>	<b>(1,341,233)</b>	<b>(63.30%)</b>
<b>Adjustments to Reserves/Encumbrances:</b>						
Technical Adjustments	0	(571,645)				
Outstanding Encumbrances - Net Change	(304,743)	728,831				
Change in Windsor Reserve	(74,170)	(101,054)		(101,054)		
Unrealized Gain/ Loss (GASB 31)	9,387					
Rounding		(0)				
<b>ENDING FUND BALANCE</b>	<b>1,140,307</b>	<b>69,112</b>		<b>12,468</b>		

**FY 2016-17 BUDGET  
BEGINNING AND ENDING CASH SUMMARY**

Section Title: Water Conservation

Section/Fund No: 44225

Account Title	Actual 2014-15	Estimated 2015-16	Adopted 2015-16	Requested 2016-17	Difference	Percent Change
<b>BEGINNING FUND BALANCE</b>	<b>209,854</b>	<b>888,870</b>		<b>719,091</b>		
<b>REVENUES</b>						
<b>USE OF MONEY / PROPERTY</b>						
44002 Interest on Pooled Cash	6,910	4,500	600	4,500	3,900	650.00%
44050 Unrealized Gains and Losses	(9,530)	(3,000)	0	0	0	N/A
SUBTOTAL	(2,620)	1,500	600	4,500	3,900	650.00%
<b>INTERGOVERNMENTAL REVENUE</b>						
42358 State Other Funding	329,080	125,000	202,500	505,050	302,550	149.41%
42461 Federal Other Funding	36,147	40,839	31,039	42,391	11,352	36.57%
42610 Other Governmental Agencies	51,131	2,000	60,000	0	(60,000)	(100.00%)
42611 City of Santa Rosa	0	0	0	0	0	N/A
42612 City of Petaluma	0	0	0	0	0	N/A
42613 City of Rohnert Park	0	0	0	0	0	N/A
42615 City of Cotati	0	0	0	0	0	N/A
42618 City of Sonoma	0	0	0	0	0	N/A
42619 Town of Windsor	105,900	98,569	129,688	101,968	(27,720)	(21.37%)
42621 North Marin Water District	0	0	0	0	0	N/A
SUBTOTAL	522,257	266,408	423,227	649,409	226,182	53.44%
<b>OTHER FINANCING SOURCES</b>						
46021 Capital Gains - Federal	0	0	0	0	0	N/A
46022 Capital Grants - State	0	0	0	0	0	N/A
46029 Donations/Contributions	0	200,000	0	205,000	205,000	N/A
46040 Miscellaneous Revenue	0	0	0	0	0	N/A
46041 Discounts Earned	136	0	0	0	0	N/A
46050 Cancelled/State Dated Warrants	0	6,000	0	0	0	N/A
46200 Revenue Appl PY Misc Revenue	0	0	0	0	0	N/A
46215 Other Grants	114,000	0	0	0	0	N/A
SUBTOTAL	114,136	206,000	0	205,000	205,000	N/A
<b>OTHER FINANCING SOURCES</b>						
47102 Transfers In - btw Govtl Funds	1,884,533	1,642,419	2,050,281	1,699,059	(351,222)	(17.13%)
SUBTOTAL	1,884,533	1,642,419	2,050,281	1,699,059	(351,222)	(17.13%)
<b>TOTAL REVENUES</b>	<b>2,518,306</b>	<b>2,116,327</b>	<b>2,474,108</b>	<b>2,557,968</b>	<b>83,860</b>	<b>3.39%</b>
<b>EXPENDITURES</b>						
<b>SERVICES AND SUPPLIES</b>						
51021 Communication Expense	280	0	0	0	0	N/A
51032 Janitorial Services	144	0	0	0	0	N/A
51061 Maintenance - Equipment	1,104	25,000	0	0	0	N/A
51205 Advertising/Marketing Svc	151,370	152,000	0	0	0	N/A
51209 Information Tech Svc (non ISD)	179	300	0	0	0	N/A
51211 Legal Services	630	1,000	0	0	0	N/A
51214 Agency Extra/Temp Help	55	0	0	0	0	N/A
51225 Training Services	2,000	0	0	0	0	N/A
51230 Security Services	0	800	0	0	0	N/A
51241 Outside Printing and Binding	63,554	65,000	10,000	10,000	0	0.00%
51249 Other Professional Services	0	0	20,000	0	(20,000)	(100.00%)
51250 Planning/Mapping/Inspections	350	0	0	0	0	N/A
51301 Publications and Legal Notices	860	0	0	0	0	N/A
51401 Rents and Leases - Equipment	1,230	900	0	0	0	N/A

## Section Title:

Water Conservation

## Section/Fund No:

44225

Account Title	Actual 2014-15	Estimated 2015-16	Adopted 2015-16	Requested 2016-17	Difference	Percent Change
51601 Training Services	11,944	13,000	0	0	0	N/A
51602 Business Travel/Mileage	2,261	2,500	18,000	2,500	(15,500)	(86.11%)
51605 Private Car Expense	970	1,000	0	0	0	N/A
51801 Other Services	223	1,000	0	0	0	N/A
51803 Other Contract Services	312,868	300,000	262,600	87,600	(175,000)	(66.64%)
51902 Telecommunication Usage	207	800	0	0	0	N/A
51915 ISD Reprographics Services	3,702	0	0	0	0	N/A
51917 District Operations Chgs	1,372,275	1,420,000	1,357,000	1,424,850	67,850	5.00%
51921 Equipment Usage Charges	24,691	25,000	0	0	0	N/A
52031 Food	427	800	0	0	0	N/A
52061 Fuel/Gas/Oil	0	100	0	0	0	N/A
52071 Materials and Supplies Expense	7,430	7,500	0	25,000	25,000	N/A
52091 Memberships/Certifications	15,357	15,000	10,000	10,000	0	0.00%
52101 Other Supplies	35,030	35,000	0	0	0	N/A
52111 Office Supplies	1,164	2,500	20,000	0	(20,000)	(100.00%)
52112 Office Furniture/Fixtures	1,153	0	0	0	0	N/A
52114 Freight/Postage	233	0	0	0	0	N/A
52115 Books/Media/Subscriptions	4,963	5,000	0	0	0	N/A
52117 Mail and Postage Supplies	414	700	0	0	0	N/A
52141 Minor Equipment/Small Tools	22,688	25,000	0	0	0	N/A
52142 Computer Equipment/Accessories	33	0	0	0	0	N/A
52162 Special Department Expense	1,048	4,000	185,000	0	(185,000)	(100.00%)
52171 Water Conservation Program	3,000	14,000	401,220	525,500	124,280	30.98%
52181 Business Meals/Supplies	1,529	0	0	0	0	N/A
<b>SUBTOTAL</b>	<b>2,045,362</b>	<b>2,117,900</b>	<b>2,283,820</b>	<b>2,085,450</b>	<b>(198,370)</b>	<b>(8.69%)</b>
<b>OTHER CHARGES</b>						
53501 Contributions	357,494	200,000	0	505,050	505,050	N/A
<b>SUBTOTAL</b>	<b>357,494</b>	<b>200,000</b>	<b>0</b>	<b>505,050</b>	<b>505,050</b>	<b>N/A</b>
<b>OTHER FINANCING USES</b>						
57012 Transfers Out - btw Govtl Fund	0	61,657	0	0	0	N/A
<b>SUBTOTAL</b>	<b>0</b>	<b>61,657</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>N/A</b>
<b>TOTAL EXPENDITURES</b>	<b>2,402,856</b>	<b>2,379,557</b>	<b>2,283,820</b>	<b>2,590,500</b>	<b>306,680</b>	<b>13.43%</b>
<b>Adjustments to Reserves/Encumbrances:</b>						
Technical Adjustments	0	0		0		
Outstanding Encumbrances - Net Change	570,774	223,138		0		
Change in Windsor Reserve	(16,737)	(129,688)		(129,688)		
Audit Adjustment (A/P)	0	0		0		
Unrealized Gain/ Loss (GASB 31)	9,530	0		0		
Rounding						
<b>ENDING FUND BALANCE</b>	<b>888,870</b>	<b>719,091</b>		<b>556,871</b>		

## Water Transmission Budget

2016-17

### Itemized Detail for Subfunds Consulting/Contractual Services

	Budget FY 16-17
<b><u>Water Management Planning</u></b>	
Water Demand Analysis/ Financial Modeling: Develop scope, cost, energy requests, and schedule of transmission system projects required to meet the Water Agency's portion of UWMP-identified projected demands through the Urban Water Management planning horizon. Projects identified using Water Agency's transmission system hydraulic model. Next UWMP due July 1, 2016. Conduct follow-up meetings, respond to DWR and contractor requests, track regulatory compliance changes, and coordinate with climate adaption strategic planning efforts.	\$ 20,000
<b><u>Watershed Planning/Restoration</u></b>	
<u>RRIFR Decision 1610 Change Petition:</u> Russian River Flows: Assist in preparation of final Environmental Impact Report for Fish Habitat Flows and Water Rights Project and have Board of Directors certify. Consultant services for impact analysis, flow modeling, hydroelectric analysis, water quality monitoring, climate change modeling (USGS), EIR, and responses to public comments, and hydrologic index. Work is occurring internally on the preparation of the draft Environmental Impact Report for the Fish Habitat Flows and Water Rights Project. The EIR is being prepared by Water Agency staff, with assistance from consultants on some areas of impact analysis. A draft EIR is anticipated to be released in Spring 2015-16. In FY16-17, most of the work will focus on reviewing and responding to public comments, preparation of the final EIR, and presentation to the Board of Directors to certify. Work also includes submission of annual Temporary Urgency Change Petition to the State Board to approve the requested changes to minimum in-stream flows as identified in the Biological Opinion. Compared to FY15-16, the Decision 1610 budget for district operations has increased \$126,000 and the budget for contract services has increased \$49,000. The increase is attributable to the level of effort to prepare and certify the final EIR.	294,000
<u>RRIFR Estuary Management:</u> <i>Required Annual Biological Opinion Activities:</i> The Water Agency, in consultation with NMFS, California Department of Fish & Wildlife (CDFW) and the U.S. Army Corps of Engineers (Corps), is required to annually prepare a lagoon outlet adaptive management plan by April 1; conduct and record monthly surveys of the beach topography and the outlet channel; use a time lapse video camera to record the interaction of waves, tides and the river mouth; conduct baseline monitoring of seals and other pinnipeds, conduct estuary water quality monitoring, conduct extensive surveys of estuary invertebrates; conduct juvenile steelhead and coho salmon rearing surveys, and prepare annual reports. From late spring to early fall (when flows are below 300 cfs at Hacienda Bridge), the Water Agency conducts monthly surveys of young steelhead in the estuary. Other 2016 activities include installation and monitoring of downstream migrant salmonid traps and water quality monitoring stations, and flood risk feasibility studies, and sea level rise analysis. Compared to FY15-16, the Estuary Management budget for district operations has decreased \$112,500 and the budget for contract services has increased \$54,000.	\$ 700,000
<u>Climate Adaptation Planning:</u> One of the most critical aspects of the Water Agency's mission is planning for, and ensuring, the long-term reliability and resilience of SCWA's water supply. Climate variability and climate change are significant drivers influencing the future reliability of these systems. There are several aspects of climate change that could have serious impacts on the Agency's ability to perform its core functions. A short list would include; sea level rise, severe weather events, and prolonged periods of drought. The Water Agency is developing a forward-looking Climate Vulnerability Assessment and Adaptation Plan to serve as a roadmap for the agency's assessment of climate risks and potential adaptation strategies related to its water supply, infrastructure, and operations. The plan will detail how the predicted impacts of climate change will affect each of these core functions and provide guidance for Agency staff when planning Agency activities into the future. The FY16-17 budget is the 1st of a 2 year project to develop the plan.	\$ 382,500
	<hr/> \$ 1,376,500

3/4/2016

## Water Transmission Budget

2016-17

*Itemized Detail for Subfunds Consulting/Contractual Services*

**Budget**

**FY 16-17**

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### Recycled Water and Local Supply

While new Groundwater Sustainability Plans (GSPs) will need to be developed after Groundwater Sustainability Agencies (GSAs) are formed, the existing Groundwater Management Plans (GMPs) form a strong basis for compiling the technical data needed to develop the GSPs and the collaborative processes encouraged under the Sustainable Groundwater Management Act (SGMA), including the use of advisory groups and considering the interests of the beneficial uses and users of groundwater.

The work activities proposed for FY16/17 will allow for the continuation of monitoring programs, outreach to stakeholders, and assessment of future groundwater management alternatives which will all represent foundational components that will be needed under SGMA. For both the Sana Rosa Plain and Sonoma Valley, having ongoing GMPs prioritizes the Water Agency for funding as we move forward with preparing our GSPs under SGMA. The Water Agency has been successful in obtaining significant grant funding for both programs. For seepage runs, surface water and groundwater interactions are one of the six required technical metrics that we'll need to be evaluated under SGMA.

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## Water Transmission Budget

2016-17

### Itemized Detail for Subfunds Consulting/Contractual Services

Budget

FY 16-17

#### **Santa Rosa Plain Groundwater Management Planning**

The Santa Rosa Plain (SRP) Groundwater Management Plan was adopted in 2014. The Plan is intended to inform and guide local decisions about groundwater management in the SRP. Its purpose is to proactively coordinate public and private groundwater management efforts and leverage funding opportunities to maintain a sustainable, locally-managed, high-quality groundwater resource for current and future users, while sustaining natural groundwater and surface water functions. The first two years of implementing the Plan (2015 and 2016) are funded through a \$330,000 cooperative agreement developed amongst the Water Agency and County of Sonoma Permit and Resource Management Department, the Sonoma County Agricultural Preservation & Open Space District, City of Santa Rosa, City of Rohnert Park, Town of Windsor, City of Cotati, City of Sebastopol, California-American Water Company, and United Wine Growers.

Work activities conducted in FY14/15 and 15/16 include:

- 1) Preparation of outreach materials for initial plan implementation.
- 2) Organization, preparation of materials and work products for 4 Panel meetings and 6 Technical Advisory Committee meetings.
- 3) Initial development of existing data compilation framework and monitoring and reporting protocols.
- 4) Developed monitoring network proposals for potential future grant funding opportunities.
- 5) Organization of voluntary groundwater level monitoring program and evaluation of groundwater level data.
- 6) Preparation of 2015 Annual Report.

\$ 212,500

Anticipated work activities for FY 15/16 and 16/17 funded by the Cooperative Agreement include

- 1) Continued Panel and TAC meetings;
- 2) Develop and run management scenarios, in consultation with the Panel, using the computer model Groundwater and Surface-water FLOW (GSFLOW) developed for the Plan Area by the United States Geological Survey.
- 3) Develop projects and programs for anticipated state grant funding opportunities.
- 4) Continued coordination of data management and preparation of 2016 Annual Report.

## Water Transmission Budget

2016-17

### Itemized Detail for Subfunds Consulting/Contractual Services

Budget

FY 16-17

#### **Sonoma Valley Groundwater Management**

The Sonoma Valley Groundwater Management Plan was adopted in 2007. Its purpose is to inform and guide the Water Agency, as the lead agency, as well as stakeholders and other interested parties for the purpose of maintaining a sustainable, high-quality groundwater resource for the users of the groundwater basin underlying the Sonoma Valley. The Program is guided by an advisory panel and technical committee that is comprised of a diverse group of local stakeholders, including the Sonoma County Water Agency, Valley of the Moon Water District, City of Sonoma, local agriculture, dairies, private business enterprises, environmental groups, and rural well users. This group has been working collaboratively to develop a range of potential alternative solutions, such as increasing conservation, expanding the use of recycled water to offset groundwater use, and enhancing groundwater recharge.

The initial six years of implementing the Plan was funded through cooperative agreements developed amongst the Water Agency and County of Sonoma, the Valley of the Moon Water District, City of Sonoma, and Sonoma Valley County Sanitation District. Currently the Program is funded by the Water Agency, a new cooperative agreement for implementation has not been developed.

Work activities conducted in FY14/15 and 15/16 include:

- 1) Preparation of outreach materials for plan implementation and convening of community outreach subcommittee.
- 2) Organization, preparation of materials and work products for 4 Panel meetings and 8 Technical Advisory Committee meetings.
- 3) Coordination and implementation of groundwater-level and streamflow monitoring programs.
- 4) Initiation of groundwater quality study to assess salinity levels in southern Sonoma Valley by the USGS.
- 5) Developed monitoring network proposals for potential future grant funding opportunities.
- 6) Update of groundwater flow model.
- 7) Initial development of alternatives solutions for addressing declining groundwater levels in southern Sonoma Valley.
- 8) Planning activities associated with constructing two new groundwater monitoring wells funded, in part, through a DWR LGA grant.
- 9) Planning activities associated with initiating an Aquifer Storage and Recovery pilot study in partnership with the City of Sonoma.
- 10) Evaluation of groundwater level data.
- 11) Preparation of 2015 Annual Report.

\$ 120,000

Anticipated work activities for FY 15/16 and 16/17 funded by the Cooperative Agreement include:

- 1) Continued Panel and TAC meetings;
- 2) Develop and run management scenarios, in consultation with the Panel, using the updated groundwater flow model.
- 3) Continue implementation of groundwater-level and streamflow monitoring.
- 4) Complete groundwater quality study to assess salinity levels in southern Sonoma Valley by the USGS.
- 5) Prioritize alternatives for addressing declining groundwater levels in southern Sonoma Valley.
- 6) Construct two new groundwater monitoring wells funded, in part, through a DWR LGA grant.
- 7) Initiate an Aquifer Storage and Recovery pilot study in partnership with the City of Sonoma.
- 8) Develop projects or programs for anticipated state grant funding opportunities.
- 9) Continued coordination of data management and preparation of 2016 Annual Report.

## Water Transmission Budget

2016-17

### Itemized Detail for Subfunds Consulting/Contractual Services

Budget

FY 16-17

#### **USGS Modeling Support**

USGS Modeling Support: Initially funded in FY12/13 (\$50K) to provide training and support to staff of the Water Agency and interested funding participants of the USGS Santa Rosa Plain GSFLOW model. The training was completed in FY14/15. No funding was budgeted for the project in FY14/15 or FY15/16.

Future funding of \$30K in FY16/17 is requested, as support from USGS modelers is anticipated to be needed to perform or advise on updates to the model and advise on applications that will assist in complying with SGMA. \$ 30,000

#### **Sonoma Creek Seepage Study**

The Sonoma Creek Seepage Study includes the performance of seepage runs, which are streamflow measurements conducted over a short period of time at multiple locations by the Sonoma Ecology Center, to evaluate the exchange between surface water in Sonoma Creek and its tributaries and groundwater. Data collected through the program provides information on surface water groundwater exchange and information needed to calibrate the groundwater flow model. The funding for the program was budgeted in FY12/13 and 13/14, which funded a \$69K agreement with the Sonoma Ecology Center.

\$ 10,000

In FY14/15 and FY15/16, monthly measurements were collected at approximately 19 sites and semiannual measurements were collected at approximately 70 sites in February and October 2015.

Funding allocated in FY15/16 and FY16/17 would fund a reduced scope to continue the collection of streamflow data at prioritized locations.

\$ 372,500

#### **Water Conservation**

##### **51241-Outside Printing and Binding**

WUE Program, water education calendar, and Green Business Program brochures

\$ 10,000

\$ 10,000

##### **51803-Other Contract Services**

Water Education Bus Contract to shuttle kids from school to field study sites

\$ 37,600

Green Business Program: Funding to staff the Green Business Coordinator Position which provides water assessments for local Businesses pursuing the Green Business certification

\$ 50,000

\$ 87,600

##### **52071-Materials and Supplies Expense**

Teaching aids, pH strips, fabric for displays, youth outreach displays

\$ 25,000

\$ 25,000

## Water Transmission Budget

2016-17

### Itemized Detail for Subfunds Consulting/Contractual Services

	Budget FY 16-17
<b><u>52091-Memberships/Certifications</u></b>	
Irrigation Association Certificate Renewals, Water Education Foundation, and CUWCC	\$ 10,000
	<u>\$ 10,000</u>
<b><u>52171-Water Conservation Program</u></b>	
Sonoma County Fair: Materials and hardware that are WUE focused for distribution at the Sonoma County fair	\$ 20,000
Saving Water Partnership Wholesaler Support and Garden Sense: Media campaign for the Sonoma-Marin Saving Water Partnership including media ad buy, ad development, photographer	\$ 185,000
School Education Program: Assembly program, port-a-potties, steelhead in the classroom program, youth outreach events, teacher program, English as a second language program, educational workbooks, maps	\$ 250,000
Qualified Water Efficient Landscaper Training in English and Spanish. Garden Sense funding provides onsite visits by local master gardeners to support local turf removal programs, Community Resilience Challenge event provides training and local workshops to promote water use efficiency	\$ 40,000
Seminars, Workshops, Training: As regional liaison attend meetings of the CUWCC Board, Alliance for Water Efficiency, Green Building Standards Commission, Independent Technical Panel on Demand Management Measures, CA Science Teachers Association, environmental education conference; includes cost for contractor participation in various studies such as CA Single Family End Use Study and the Demand Elasticity Study	\$ 27,500
GardenSoft Licensing: Licensing of online Water Wise Gardening plant palate that is specific to Sonoma and Marin Counties	\$ 3,000
	<u>\$ 525,500</u>
Total	\$ 658,100

**Water Transmission System Agency Fund**  
**Local Supply / Recycled Water / Tier 2 Programs**  
**Balance as of January 12, 2016**

<i>Contractor</i>	<i>10-Year</i>	<i>Amount</i>	<i>Amount</i>	<i>Balance</i>	
	<i>Allocation</i>	<i>Approved by WAC</i>	<i>Disbursed</i>	<i>Available<sup>1</sup></i>	<i>Encumbered</i>
Santa Rosa	\$5,065,236	\$4,003,876	\$3,908,003	1,157,233	
Petaluma	2,197,913	2,197,913	2,197,913		0
MMWD	1,724,026	1,724,026	1,000,000	724,026	
NMWD	1,846,726	1,846,726	1,846,726		0
Rohnert Park	649,629	649,629	649,629		0
VOM WD	627,875	627,875	627,875		0
Sonoma	539,411	539,411	539,411		0
Windsor	86,996	86,996	86,996		0
Cotati	157,235	157,235	157,235		0
Forestville	104,953	104,953	104,953		0
<b>TOTAL</b>	<b>\$13,000,000</b>	<b>\$11,938,640</b>	<b>\$11,118,740</b>	<b>\$1,881,260</b>	

1. Balance Available based on 10-Year Allocation

*Program started June 30, 2000 - No end date specified.*

**FY 2016-17 BUDGET  
BEGINNING AND ENDING CASH SUMMARY**

Section Title: Santa Rosa Aqueduct Capital Fund  
 Section/Fund No: 44230

Account Title	Actual 2014-15	Estimated 2015-16	Adopted 2015-16	Requested 2016-17	Difference	Percent Change
<b>BEGINNING FUND BALANCE</b>	<b>2,481,053</b>	<b>2,948,291</b>		<b>5,763,212</b>		
<b>REVENUES</b>						
<b>USE OF MONEY / PROPERTY</b>						
44002 Interest on Pooled Cash	15,217	10,800	10,800	15,000	4,200	38.89%
44003 Other Interest Earnings	63,719	33,300	90,130	0	(90,130)	(100.00%)
44050 Unrealized Gains & Los:	(13,073)	(13,863)	0	0	0	N/A
SUBTOTAL	65,863	30,237	100,930	15,000	(85,930)	(85.14%)
<b>MISCELLANEOUS REVENUES</b>						
46040 Miscellaneous Revenue	0	0	0	0	0	N/A
46021 Capital Grants - Federal	13,334	0	0	0	0	N/A
46029 Donations/Contributions	0	0	0	0	0	N/A
SUBTOTAL	13,334	0	0	0	0	N/A
<b>ADMINISTRATIVE CONTROL ACCOUNT</b>						
49002 Advances	0	1,600,000	42,297	0	(42,297)	(100.00%)
49003 Advances Clearing	0	(1,600,000)	(42,297)	0	42,297	(100.00%)
SUBTOTAL	0	0	0	0	0	N/A
<b>OTHER FINANCING SOURCES</b>						
47102 Transfers In - btw Govtl	346,630	1,284,684	433,323	367,478	(65,845)	(15.20%)
SUBTOTAL	346,630	1,284,684	433,323	367,478	(65,845)	(15.20%)
<b>TOTAL REVENUES</b>	<b>425,827</b>	<b>1,314,920</b>	<b>534,253</b>	<b>382,478</b>	<b>(151,775)</b>	<b>(28.41%)</b>
<b>EXPENDITURES</b>						
<b>FIXED ASSETS</b>						
19820 Machinery and Equipme	0	0	0	0		
19822 Mobile Equipment	0	0	0	0		
19824 Computer Equipment	0	0	0	0		
19831 CIP - Bldg & Impr	0	0	0	0		
19832 CIP - Infrastructure	0	100,000	415,000	10,000	(405,000)	(97.59%)
19840 Work in Progress - Eq	0	0	0	0		
19841 Work in Progress - Intar	0	0	0	0		
19851 Intangible Assets - Non-	0	0	0	0		
SUBTOTAL	0	100,000	415,000	10,000	(405,000)	(97.59%)
<b>OTHER FINANCING USES</b>						
57012 Transfers Out - btw Gov	0	0	0	0	0	N/A
SUBTOTAL	0	0	0	0	0	N/A
<b>TOTAL EXPENDITURES</b>	<b>0</b>	<b>100,000</b>	<b>415,000</b>	<b>10,000</b>	<b>(405,000)</b>	<b>(97.59%)</b>
<b>Adjustments to Reserves/Encumbrances:</b>						
Repayment of Loan to Storage	28,338	1,600,000				
Unrealized Gain/ Loss (GASB 31)	13,073					
Rounding		0				
<b>ENDING FUND BALANCE</b>	<b>2,948,291</b>	<b>5,763,212</b>		<b>6,135,690</b>		

**FY 2016-17 BUDGET  
BEGINNING AND ENDING CASH SUMMARY**

Section Title: Petaluma Aqueduct Capital Fund  
 Section/Fund No: 44235

Account Title	Actual 2014-15	Estimated 2015-16	Adopted 2015-16	Requested 2016-17	Difference	Percent Change
<b>BEGINNING FUND BALANCE</b>	<b>2,127,499</b>	<b>2,591,333</b>		<b>7,341,593</b>		
<b>REVENUES</b>						
<b>USE OF MONEY / PROPERTY</b>						
44002 Interest on Pooled Ca	13,182	15,000	15,000	15,000	0	0.00%
44003 Other Interest Earning	163,281	85,270	163,281	0	(163,281)	(100.00%)
44050 Unrealized Gains & L	(11,310)	(7,000)	0	0	0	N/A
SUBTOTAL	165,154	93,270	178,281	15,000	(163,281)	(91.59%)
<b>ADMINISTRATIVE CONTROL ACCOUNT</b>						
49002 Advances	0	4,100,000	72,616	0	(72,616)	(100.00%)
49003 Advances Clearing	0	(4,100,000)	(72,616)	0	72,616	(100.00%)
SUBTOTAL	0	0	0	0	0	N/A
<b>OTHER FINANCING SOURCES</b>						
47102 Transfers In - btw Gov	214,754	646,990	273,495	252,060	(21,435)	(7.84%)
SUBTOTAL	214,754	646,990	273,495	252,060	(21,435)	(7.84%)
<b>TOTAL REVENUES</b>	<b>379,908</b>	<b>740,260</b>	<b>451,776</b>	<b>267,060</b>	<b>(184,716)</b>	<b>(40.89%)</b>
<b>EXPENDITURES</b>						
<b>OTHER CHARGES</b>						
53103 Interest on LT Debt	0	0	0	0		
53105 Costs of Issuance	0	0	0	0		
53403 Loss - Disposed Capit	3,025,751	0	0	0		
SUBTOTAL	3,025,751	0	0	0	0	N/A
<b>FIXED ASSETS</b>						
19820 Machinery and Equipr	0	0	0	0		
19822 Mobile Equipment	0	0	0	0		
19824 Computer Equipment	0	0	0	0		
19831 CIP - Bldg & Impr	0	0	0	0		
19832 CIP - Infrastructure	0	90,000	350,000	30,000	(320,000)	(91.43%)
19840 Work in Progress - Ec	0	0	0	0	0	N/A
19841 Work in Progress - Int	0	0	0	0	0	N/A
19851 Intangible Assets - Nc	0	0	0	0		
SUBTOTAL	0	90,000	350,000	30,000	(320,000)	(91.43%)

Section Title:

Petaluma Aqueduct Capital Fund

Section/Fund No:

44235

Account Title	Actual 2014-15	Estimated 2015-16	Adopted 2015-16	Requested 2016-17	Difference	Percent Change
<b>OTHER FINANCING USES</b>						
57012 Transfers Out - btw G	0	0	0	0	0	N/A
SUBTOTAL	0	0	0	0	0	N/A
<b>TOTAL EXPENDITURES</b>	<b>3,025,751</b>	<b>90,000</b>	<b>350,000</b>	<b>30,000</b>	<b>(320,000)</b>	<b>(91.43%)</b>

**Adjustments to Reserves/Encumbrances:**

Loss on Fixed Asset	3,025,751	0
Principal Received on Loan	72,616	4,100,000
Unrealized Gain/ Loss (GASB 31)	11,310	0

<b>ENDING FUND BALANCE</b>	<b>2,591,333</b>	<b>7,341,593</b>	<b>7,578,652</b>
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**FY 2016-17 BUDGET  
BEGINNING AND ENDING CASH SUMMARY**

Section Title:

Sonoma Aqueduct Capital Fund

Section/Fund No:

44240

Account Title	Actual 2014-15	Estimated 2015-16	Adopted 2015-16	Requested 2016-17	Difference	Percent Change
<b>BEGINNING FUND BALANCE</b>	<b>104,892</b>	<b>(13,722)</b>		<b>719,491</b>		
<b>REVENUES</b>						
<b>USE OF MONEY / PROPERTY</b>						
44002 Interest on Pooled Cash	610	328	1,200	600	(600)	(50.00%)
44003 Other Interest Earnings	0	0	0	0	0	N/A
44050 Unrealized Gains & Losses	(358)	(500)	0	0	0	N/A
SUBTOTAL	252	(172)	1,200	600	(600)	(50.00%)
<b>OTHER FINANCING SOURCES</b>						
47102 Transfers In - btw Govtl Func	123,089	970,687	144,204	428,105	283,901	196.87%
SUBTOTAL	123,089	970,687	144,204	428,105	283,901	196.87%
<b>TOTAL REVENUES</b>	<b>123,341</b>	<b>970,515</b>	<b>145,404</b>	<b>428,705</b>	<b>283,301</b>	<b>194.84%</b>
<b>EXPENDITURES</b>						
<b>OTHER CHARGES</b>						
53103 Interest on LT Debt	0	0	0	0		
53104 Other Interest Expense	(33,321)	0	0	0		
53105 Costs of Issuance	0	0	0	0		
SUBTOTAL	(33,321)	0	0	0	0	N/A
<b>FIXED ASSETS</b>						
19820 Machinery and Equipment	0	0	0	0		
19822 Mobile Equipment	0	0	0	0		
19824 Computer Equipment	0	0	0	0		
19831 CIP - Bldg & Impr	0	0	0	0		
19832 CIP - Infrastructure	197,912	296,000	590,000	400,000	(190,000)	(32.20%)
19840 Work in Progress - Eq	0	0	0	0		
19841 Work in Progress - Intang	0	0	0	0		
19851 Intangible Assets - Non-am	0	0	0	0		
SUBTOTAL	197,912	296,000	590,000	400,000	(190,000)	(32.20%)
<b>OTHER FINANCING USES</b>						
57012 Transfers Out - btw Govtl Fui	185,000	0	50,000	0	(50,000)	(100.00%)
SUBTOTAL	185,000	0	50,000	0	(50,000)	(100.00%)
<b>TOTAL EXPENDITURES</b>	<b>349,591</b>	<b>296,000</b>	<b>640,000</b>	<b>400,000</b>	<b>(240,000)</b>	<b>(37.50%)</b>
<b>Adjustments to Reserves/Encumbrances:</b>						
Technical Adjustments		(14,559)				
Outstanding Encumbrances - Net Change	133,528	73,257				
Capitalized Interest	(33,321)					
Unrealized Gain/ Loss (GASB 31)	7,071					
Unrealized Gain/ Loss (GASB 31)	358					
<b>ENDING FUND BALANCE</b>	<b>(13,722)</b>	<b>719,491</b>		<b>748,196</b>		

**FY 2016-17 BUDGET  
BEGINNING AND ENDING CASH SUMMARY**

Section Title: Storage Facilities

Section/Fund No: 44250

Account Title	Actual 2014-15	Estimated 2015-16	Adopted 2015-16	Requested 2016-17	Difference	Percent Change
<b>BEGINNING FUND BALANCE</b>	412,924	169,306		338,592		
<b>REVENUES</b>						
<b>USE OF MONEY / PROPERTY</b>						
44002 Interest on Pooled Cash	2,721	1,110	1,110	1,200	90	8.11%
44050 Unrealized Gains & Losses	(3,762)	(1,100)	1,110	1,200	90	8.11%
SUBTOTAL	(1,040)	10	2,220	2,400	180	8.11%
<b>MISCELLANEOUS REVENUE</b>						
46029 Donations/Contributions	0	0	0	0	0	N/A
46040 Miscellaneous Revenue	0	100,000	0	0		
46022 Capital Grants - State (Petaluma AQ - Caltrans Project)	0	0	0	0	0	N/A
SUBTOTAL	0	100,000	0	0	0	N/A
<b>Administrative Control</b>						
49002 Advances	0	0	0	0	0	N/A
49003 Advances Clearing	0	0	0	0	0	N/A
SUBTOTAL	0	0	0	0	0	N/A
<b>OTHER FINANCING SOURCES</b>						
47102 Transfers In - btw Govtl Funds	120,000	2,400,000	110,000	950,000	840,000	763.64%
SUBTOTAL	120,000	2,400,000	110,000	950,000	840,000	763.64%
<b>TOTAL REVENUES</b>	<b>118,960</b>	<b>2,500,010</b>	<b>112,220</b>	<b>952,400</b>	<b>840,180</b>	<b>748.69%</b>
<b>EXPENDITURES</b>						
<b>OTHER CHARGES</b>						
53103 Interest on LT Debt	63,719	63,719	63,719	0	(63,719)	(100.00%)
53104 Other Interest Expense	(139,024)	0	0	0	0	N/A
SUBTOTAL	(75,305)	63,719	63,719	0	(63,719)	(100.00%)
<b>FIXED ASSETS</b>						
19831 CIP - Bldg & Impr	0	0	0	0	0	N/A
19832 CIP - Infrastructure	292,232	460,000	50,000	1,177,000	1,127,000	2254.00%
19841 Acq-WIP-Intangibles	3,378	1,000	0	0	0	N/A
19851 Intangible Assets - Non-amort	0	0	0	0	0	N/A
SUBTOTAL	295,610	461,000	50,000	1,177,000	1,127,000	2254.00%

## Section Title:

Storage Facilities

## Section/Fund No:

44250

Account Title	Actual 2014-15	Estimated 2015-16	Adopted 2015-16	Requested 2016-17	Difference	Percent Change
<b><u>ADMINISTRATIVE CONTROL ACCOUNT</u></b>						
59002 Advances	0	1,600,000	0	0	0	N/A
59003 Advances Clearing	0	(1,600,000)	0	0	0	N/A
SUBTOTAL	0	0	0	0	0	N/A
<b><u>OTHER FINANCING USES</u></b>						
57012 Transfers Out - btw Govtl Fund	0	0	0	0	0	N/A
SUBTOTAL	0	0	0	0	0	N/A
<b>TOTAL EXPENDITURES</b>	<b>220,305</b>	<b>524,719</b>	<b>113,719</b>	<b>1,177,000</b>	<b>1,063,281</b>	<b>935.01%</b>

## Adjustments to Reserves/Encumbrances:

Technical Adjustments		(303,233)	
Repayment of Loan from SR Aqueduct Capital		(1,600,000)	
Princ. Pymnt on loan from SR Aqueduct	(28,338)	(28,338)	
Outstanding Encumbrances - Net Chang	21,328	125,566	
Capitalized Interest	(139,024)	0	
Unrealized Gain/ Loss (GASB 31)	3,762	0	

<b>ENDING FUND BALANCE</b>	<b>169,306</b>	<b>338,592</b>	<b>113,992</b>
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**FY 2016-17 BUDGET**  
**BEGINNING AND ENDING CASH SUMMARY**

Section Title: Common Facilities

Section/Fund No: 44260

Account Title	Actual 2014-15	Estimated 2015-16	Adopted 2015-16	Requested 2016-17	Difference	Percent Change
<b>BEGINNING FUND BALANCE</b>	<b>16,782,237</b>	<b>5,101,775</b>		<b>682,231</b>		

**REVENUES**

**USE OF MONEY / PROPERTY**

44002 Interest on Pooled Cash	79,186	40,000	6,000	42,000	36,000	600.00%
44003 Other Interest Earnings	0	(25,000)	0	0	0	N/A
44050 Unrealized Gains & Los	(119,545)	0	0	0	0	N/A
SUBTOTAL	(40,359)	15,000	6,000	42,000	36,000	600.00%

**CHARGES FOR SERVICES**

45062 Construct/Bldg Permit F	300	0	0	0	0	N/A
SUBTOTAL	300	0	0	0	0	N/A

**MIECELLANEOUS REVENUES**

46021 Capital Grants - Federa	224,629	1,936,271	0	4,759,578	4,759,578	N/A
46022 Capital Grants - State	1,108,317	800,000	0	0	0	N/A
46029 Donations/Contributions	0	0	0	0	0	N/A
46040 Miscellaneous Revenue	469	100	0	0	0	N/A
46041 Discounts Earned	193	200	0	0	0	N/A
46200 Revenue Appl PY Misc	438	30,000	0	0	0	N/A
SUBTOTAL	1,334,046	2,766,571	0	4,759,578	4,759,578	N/A

**ADMINISTRATIVE CONTROL**

49002 Advances	0	0	0	141,510	141,510	N/A
49003 Advances Clearing	0	0	0	(141,510)	(141,510)	N/A
SUBTOTAL	0	0	0	0	0	N/A

**OTHER FINANCING SOURCES**

47102 Transfers In - btw Govtl	5,767,127	8,970,000	6,880,000	7,491,422	611,422	8.89%
SUBTOTAL	5,767,127	8,970,000	6,880,000	7,491,422	611,422	8.89%

<b>TOTAL REVENUES</b>	<b>7,061,115</b>	<b>11,751,571</b>	<b>6,886,000</b>	<b>12,293,000</b>	<b>5,407,000</b>	<b>78.52%</b>
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**EXPENDITURES**

**OTHER CHARGES**

53103 Interest on LT Debt	163,281	160,526	163,281	0	(163,281)	(100.00%)
53104 Other Interest Expense	(495,178)	0	0	0	0	N/A
53403 Loss - Disposed Capital	7,843,629	0	0	0	0	N/A
SUBTOTAL	7,511,732	160,526	163,281	0	(163,281)	(100.00%)

**FIXED ASSETS**

19810 Land	0	0	0	0	0	N/A
19831 CIP - Bldg & Impr	2,245,961	900,000	0	0	0	N/A
19832 CIP - Infrastructure	9,870,077	12,182,234	7,240,000	12,871,000	5,631,000	77.78%

## Section Title:

Common Facilities

## Section/Fund No:

44260

Account Title	Actual 2014-15	Estimated 2015-16	Adopted 2015-16	Requested 2016-17	Difference	Percent Change
19840 Acq-WIP-Equipment	0	0	0	0	0	N/A
19841 Work in Progress - Intar	23,557	150,000	0	0	0	N/A
19851 Intangible Assets - Non-	0	10,000	0	0	0	N/A
SUBTOTAL	12,139,595	13,242,234	7,240,000	12,871,000	5,631,000	77.78%
<b>OTHER FINANCING USES</b>						
57012 Transfers Out - btw Gov	0	0	0	0	0	N/A
SUBTOTAL	0	0	0	0	0	N/A
<b>ADMINISTRATIVE CONTROL ACCOUNT</b>						
59002 Advances	0	4,100,000	72,616	0	(72,616)	(100.00%)
59003 Advances Clearing	0	(4,100,000)	(72,616)	0	72,616	(100.00%)
SUBTOTAL	0	0	0	0	0	N/A
<b>TOTAL EXPENDITURES</b>	<b>19,651,327</b>	<b>13,402,760</b>	<b>7,403,281</b>	<b>12,871,000</b>	<b>5,467,719</b>	<b>73.86%</b>

**Adjustments to Reserves/Encumbrances:**

Technical Adjustments	0	(5,475,840)
Principal payment on Loan from Petal	(72,616)	(4,100,000)
Outstanding Encumbrances - Net Chg	(5,972,724)	6,807,486
Capitalized Interest	(495,178)	
PY CIP adjustment - reclass to PY Ex	7,843,629	
Post Audit Adjustment - Payables	(512,907)	
Unrealized Gain/ Loss (GASB 31)	119,545	
Rounding	1	(0)

<b>ENDING FUND BALANCE</b>	<b>5,101,775</b>	<b>682,231</b>	<b>104,231</b>
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**FY 2016-17 BUDGET  
BEGINNING AND ENDING CASH SUMMARY**

Section Title: North Marin Water Deposit

Section/Fund No: 44300

Account Title	Actual 2014-15	Estimated 2015-16	Adopted 2015-16	Requested 2016-17	Difference	Percent Change
<b>BEGINNING FUND BALANCE</b>	<b>12,923</b>	<b>13,025</b>		<b>13,026</b>		

**REVENUES**

**USE OF MONEY / PROPERTY**

44002 Interest on Pooled Cash	102	101	101	101	(0)	(0.20%)
44050 Unrealized Gains and Losses	(94)	(100)	0	0	0	N/A
SUBTOTAL	8	1	101	101	(0)	(0.20%)

**Intergovernmental Revenue**

42610 Other Governmental Agencies	0	0	0	0	0	N/A
SUBTOTAL	0	0	0	0	0	N/A

**OTHER FINANCING SOURCES**

47102 Transfers In - btw Govtl Fund	0	0	0	0	0	N/A
SUBTOTAL	0	0	0	0	0	N/A

<b>TOTAL REVENUES</b>	<b>8</b>	<b>1</b>	<b>101</b>	<b>101</b>	<b>(0)</b>	<b>(0.20%)</b>
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**EXPENDITURES**

**OTHER CHARGES**

53501 Contributions	0	0	0	0	0	N/A
SUBTOTAL	0	0	0	0	0	N/A

**OTHER FINANCING USES**

57012 Transfers Out - btw Govtl Fur	0	0	0	0	0	N/A
SUBTOTAL	0	0	0	0	0	N/A

<b>TOTAL EXPENDITURES</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>N/A</b>
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**Adjustments to Reserves/Encumbrances:**

Unrealized Gain/ Loss (GASB 31)	94	0				
Rounding		(0)				

<b>ENDING FUND BALANCE</b>	<b>13,025</b>	<b>13,026</b>		<b>13,127</b>		
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**FY 2016-17 BUDGET  
BEGINNING AND ENDING CASH SUMMARY**

Section Title: State Loan Debt Service Fund

Section/Fund No: 44265

Account Title	Actual 2014-15	Estimated 2015-16	Adopted 2015-16	Requested 2016-17	Difference	Percent Change
<b>BEGINNING FUND BALANCE</b>	<b>\$181,394</b>	<b>\$22,283</b>		<b>\$22,284</b>		
<b>REVENUES</b>						
<b>USE OF MONEY / PROPERTY</b>						
44002 Interest on Pooled Cash	4,830	2,600	1,500	4,200	2,700	180.00%
44003 Other Interest Earnings	0	0	0	0	0	N/A
44050 Unrealized Gains and Losses	(4,494)	(2,600)	0	0	0	N/A
SUBTOTAL	336	0	1,500	4,200	2,700	180.00%
<b>OTHER FINANCING SOURCES</b>						
47102 Transfers In - btw Govtl Funds	1,196,268	1,040,238	1,040,234	1,040,238	4	0.00%
SUBTOTAL	1,196,268	1,040,238	1,040,234	1,040,238	4	0.00%
<b>TOTAL REVENUES</b>	<b>1,196,604</b>	<b>1,040,238</b>	<b>1,041,734</b>	<b>1,044,438</b>	<b>2,704</b>	<b>0.26%</b>
<b>EXPENDITURES</b>						
<b>OTHER CHARGES</b>						
53103 Interest on LT Debt	329,865	309,884	309,880	289,340	(20,540)	(6.63%)
SUBTOTAL	329,865	309,884	309,880	289,340	(20,540)	(6.63%)
<b>OTHER FINANCING USES</b>						
57012 Transfers Out - btw Govtl Fund	300,000	0	0	0	0	N/A
SUBTOTAL	300,000	0	0	0	0	N/A
<b>ADMIN. CONTROL ACCOUNT</b>						
59002 Advances	710,369	730,354	0	750,898	750,898	N/A
59003 Advances Clearing	(710,369)	(730,354)	0	(750,898)	(750,898)	N/A
SUBTOTAL	0	0	0	0	0	N/A
<b>TOTAL EXPENDITURES</b>	<b>629,865</b>	<b>309,884</b>	<b>309,880</b>	<b>289,340</b>	<b>(20,540)</b>	<b>(6.63%)</b>
<b>Adjustments to Reserves/Encumbrances:</b>						
Principal payments on loan	(710,369)					
(Increase) / Decrease in Principal Payable	(19,977)	(730,354)		(730,354)		
Unrealized Gain/ Loss (GASB 31)	4,494					
Rounding	3	0				
<b>ENDING FUND BALANCE</b>	<b>\$22,283</b>	<b>\$22,284</b>		<b>\$47,028</b>		

**FY 2016-17 BUDGET  
BEGINNING AND ENDING CASH SUMMARY**

Section Title: State Loan Reserve Fund

Section/Fund No: 44270

Account Title	Actual 2014-15	Estimated 2015-16	Adopted 2015-16	Requested 2016-17	Difference	Percent Change
<b>BEGINNING FUND BALANCE</b>	<b>\$0</b>	<b>\$0</b>		<b>\$0</b>		
<b>REVENUES</b>						
<b><u>USE OF MONEY / PROPERTY</u></b>						
44002 Interest on Pooled Cash	7,391	0	0	0	0	N/A
44003 Other Interest Earnings	0	0	0	0	0	N/A
44050 Unrealized Gains and Losses	(6,844)	0	0	0	0	N/A
SUBTOTAL	547	0	0	0	0	N/A
<b><u>OTHER FINANCING SOURCES</u></b>						
47102 Transfers In - btw Govtl Funds	0	0	0	0	0	N/A
SUBTOTAL	0	0	0	0	0	N/A
<b>TOTAL REVENUES</b>	<b>547</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>N/A</b>
<b>EXPENDITURES</b>						
<b><u>OTHER FINANCING USES</u></b>						
57012 Transfers Out - btw Govtl Fund	0	0	0	0	0	N/A
SUBTOTAL	0	0	0	0	0	N/A
<b>TOTAL EXPENDITURES</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>N/A</b>
<b>Adjustments to Reserves/Encumbrances:</b>						
Increase in Reserve	(7,391)	0		0		
Unrealized Gain/ Loss (GASB 31)	6,844					
Rounding	0					
<b>ENDING FUND BALANCE</b>	<b>\$0</b>	<b>\$0</b>		<b>\$0</b>		

**FY 2016-17 BUDGET  
BEGINNING AND ENDING CASH SUMMARY**

Section Title:

Storage Facilities Revenue Bond - 2012A

Section/Fund No:

44280

Account Title	Actual 2014-15	Estimated 2015-16	Adopted 2015-16	Requested 2016-17	Difference	Percent Change
<b>BEGINNING FUND BALANCE</b>	<b>\$12,510</b>	<b>\$8,334</b>		<b>\$84,207</b>		
<b>REVENUES</b>						
<b><u>USE OF MONEY / PROPERTY</u></b>						
44002 Interest on Pooled Cash	213	40	90	90	0	0.00%
44003 Other Interest Earnings	43	0	0	0	0	N/A
44050 Unrealized Gains and Losses	(70)	(200)	0	0	0	N/A
SUBTOTAL	186	(160)	90	90	0	0.00%
<b><u>OTHER FINANCING SOURCES</u></b>						
47102 Transfers In - btw Govtl Funds	318,555	350,191	309,785	272,526	(37,259)	(12.03%)
SUBTOTAL	318,555	350,191	309,785	272,526	(37,259)	(12.03%)
<b>TOTAL REVENUES</b>	<b>318,741</b>	<b>350,031</b>	<b>309,875</b>	<b>272,616</b>	<b>(37,259)</b>	<b>(12.02%)</b>
<b>EXPENDITURES</b>						
<b><u>SERVICES AND SUPPLIES</u></b>						
51242 Bank Charges	820	2,500	2,500	2,500	0	0.00%
SUBTOTAL	820	2,500	2,500	2,500	0	0.00%
<b><u>OTHER CHARGES</u></b>						
53103 Interest on LT Debt	115,276	116,382	116,382	114,876	(1,506)	(1.29%)
53105 Costs of Issuance	(4,781)	0	0	0	0	N/A
SUBTOTAL	110,496	116,382	116,382	114,876	(1,506)	(1.29%)
<b><u>OTHER FINANCING USES</u></b>						
57012 Transfers Out - btw Govtl Fund	60,000	0	40,000	0	(40,000)	(100.00%)
SUBTOTAL	60,000	0	40,000	0	(40,000)	(100.00%)
<b><u>ADMIN. CONTROL ACCOUNT</u></b>						
59004 Administrative Control Account	147,393	150,496	150,496	155,150	4,654	3.09%
59005 Admin Control Acct Clearing	(147,393)	(150,496)	(150,496)	(155,150)	(4,654)	3.09%
SUBTOTAL	0	0	0	0	0	N/A
<b>TOTAL EXPENDITURES</b>	<b>171,316</b>	<b>118,882</b>	<b>158,882</b>	<b>117,376</b>	<b>(41,506)</b>	<b>(26.12%)</b>
<b>Adjustments to Reserves/Encumbrances:</b>						
Principal payments on bonds	(147,252)	(150,496)		(155,150)		
Restricted cash with trustee (reserve)	501					
Debt Issuance Costs						
(Increase) / Decrease in Bonds Payable	0					
Amortization of bond discount	(10,307)	(10,307)		(10,307)		
Amortization of deferred amount of refunding	5,526	5,526		5,526		
Unrealized Gain/ Loss (GASB 31)	(70)					
Rounding		0				
<b>ENDING FUND BALANCE</b>	<b>\$8,334</b>	<b>\$84,207</b>		<b>\$79,516</b>		

**FY 2016-17 BUDGET  
BEGINNING AND ENDING CASH SUMMARY**

Section Title:

**Common Facilities Revenue Bonds - 2012 A**

Section/Fund No:

**44275**

Account Title	Actual 2014-15	Estimated 2015-16	Adopted 2015-16	Requested 2016-17	Difference	Percent Change
<b>BEG. FUND BALANCE</b>	<b>\$47,211</b>	<b>\$24,508</b>		<b>\$48,868</b>		
<b>REVENUES</b>						
<b>USE OF MONEY / PROPERTY</b>						
44002 Interest on Pooled Cash	448	300	300	240	(60)	(20.00%)
44003 Other Interest Earnings	60	(400)	0	0	0	N/A
44050 Unrealized Gains and Losses	(68)	0	0	0	0	N/A
<b>SUBTOTAL</b>	<b>440</b>	<b>(100)</b>	<b>300</b>	<b>240</b>	<b>(60)</b>	<b>(20.00%)</b>
<b>OTHER FINANCING SOURCES</b>						
47102 Transfers In - btw Govtl Funds	444,963	413,871	432,683	380,655	(52,028)	(12.02%)
<b>SUBTOTAL</b>	<b>444,963</b>	<b>413,871</b>	<b>432,683</b>	<b>380,655</b>	<b>(52,028)</b>	<b>(12.02%)</b>
<b>TOTAL REVENUES</b>	<b>445,403</b>	<b>413,771</b>	<b>432,983</b>	<b>380,895</b>	<b>(52,088)</b>	<b>(12.03%)</b>
<b>EXPENDITURES</b>						
<b>SERVICES AND SUPPLIES</b>						
51242 Bank Charges	1,072	2,500	2,500	2,500	0	0.00%
<b>SUBTOTAL</b>	<b>1,072</b>	<b>2,500</b>	<b>2,500</b>	<b>2,500</b>	<b>0</b>	<b>0.00%</b>
<b>OTHER CHARGES</b>						
53103 Interest on LT Debt	161,417	163,013	163,013	160,905	(2,108)	(1.29%)
53105 Costs of Issuance	(6,645)	0	0	0	0	N/A
<b>SUBTOTAL</b>	<b>154,772</b>	<b>163,013</b>	<b>163,013</b>	<b>160,905</b>	<b>(2,108)</b>	<b>(1.29%)</b>
<b>OTHER FINANCING USES</b>						
57012 Transfers Out - btw Govtl Fund	100,000	0	110,000	0	(110,000)	(100.00%)
<b>SUBTOTAL</b>	<b>100,000</b>	<b>0</b>	<b>110,000</b>	<b>0</b>	<b>(110,000)</b>	<b>(100.00%)</b>
<b>ADMIN. CONTROL ACCOUNT</b>						
59004 Administrative Control Account	204,215	210,733	210,733	217,250	6,517	3.09%
59005 Admin Control Acct Clearing	(204,215)	(210,733)	(210,733)	(217,250)	(6,517)	3.09%
<b>SUBTOTAL</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>N/A</b>
<b>TOTAL EXPENDITURES</b>	<b>255,844</b>	<b>165,513</b>	<b>275,513</b>	<b>163,405</b>	<b>(112,108)</b>	<b>(40.69%)</b>
<b>Adjustments to Reserves/Encumbrances:</b>						
Principal payments on bonds	(204,215)	(210,733)		(217,250)		
Proceeds from issuance	0	0		0		
2003A Bond Redemption	0	0		0		
2003A Deferred amount of refunding	0	0		0		
Underwriters Discount	0	0		0		
Reclass of good faith on refunding to LT Bond	0	0		0		
Debt Issuance Costs	0	0		0		
(Increase) / Decrease in Bonds Payable	(2,173)	(6,518)		54,269		
Restricted cash with trustee (reserve)	702	0		0		
Amortization of bond discount	0	0		0		
Amortization of bond premium	(14,432)	(14,432)		(14,432)		
Amortization of bond issuance costs	0	0		0		
Amortization of deferred amount of refunding	7,787	7,787		7,787		
Unrealized Gain/ Loss (GASB 31)	68	0		0		
Rounding	0	(1)		0		
<b>ENDING FUND BALANCE</b>	<b>\$24,508</b>	<b>\$48,868</b>		<b>\$96,732</b>		

**FY 2016-17 BUDGET  
BEGINNING AND ENDING CASH SUMMARY**

Section Title: Sonoma Aqueduct Revenue Bonds 2012

Section/Fund No: 44285

Account Title	Actual 2014-15	Estimated 2015-16	Adopted 2015-16	Requested 2016-17	Difference	Percent Change
<b>BEGINNING FUND BALANCE</b>	<b>\$197,914</b>	<b>\$104,236</b>		<b>\$95,156</b>		
<b>REVENUES</b>						
<b>USE OF MONEY / PROPERTY</b>						
44002 Interest on Pooled Cash	1,297	700	1,200	360	(840)	(70.00%)
44003 Other Interest Earnings	35	(700)	0	0	0	N/A
44050 Unrealized Gains and Losses	(971)	0	0	0	0	N/A
SUBTOTAL	362	0	1,200	360	(840)	(70.00%)
<b>OTHER FINANCING SOURCES</b>						
47102 Transfers In - btw Govtl Funds	262,316	222,929	255,333	225,519	(29,814)	(11.68%)
SUBTOTAL	262,316	222,929	255,333	225,519	(29,814)	(11.68%)
<b>TOTAL REVENUES</b>	<b>262,678</b>	<b>222,929</b>	<b>256,533</b>	<b>225,879</b>	<b>(30,654)</b>	<b>(11.95%)</b>
<b>EXPENDITURES</b>						
<b>SERVICES AND SUPPLIES</b>						
51242 Bank Charges	711	3,400	2,500	3,400	900	36.00%
SUBTOTAL	711	3,400	2,500	3,400	900	36.00%
<b>OTHER CHARGES</b>						
53103 Interest on LT Debt	94,807	95,757	95,757	94,519	(1,238)	(1.29%)
53105 Costs of Issuance	(3,892)	5,187	0	0	0	N/A
SUBTOTAL	90,915	100,944	95,757	94,519	(1,238)	(1.29%)
<b>OTHER FINANCING USES</b>						
57012 Transfers Out - btw Govtl Fund	141,000	0	90,000	0	(90,000)	(100.00%)
SUBTOTAL	141,000	0	90,000	0	(90,000)	(100.00%)
<b>ADMIN. CONTROL ACCOUNT</b>						
59004 Administrative Control Account	119,944	123,772	123,772	127,600	3,828	3.09%
59005 Admin Control Acct Clearing	(119,944)	(123,772)	(123,772)	(127,600)	(3,828)	3.09%
SUBTOTAL	0	0	0	0	0	N/A
<b>TOTAL EXPENDITURES</b>	<b>232,626</b>	<b>104,344</b>	<b>188,257</b>	<b>97,919</b>	<b>(90,338)</b>	<b>(47.99%)</b>
<b>Adjustments to Reserves/Encumbrances:</b>						
(Increase)/Decrease in Bonds Payable						
Principal Payments on Bonds	(119,944)	(123,772)		(127,600)		
Principal payments on bonds	0	0		0		
Proceeds from issuance	0	0		0		
(Increase) / Decrease in Bonds Payable	(1,276)	0		0		
Restricted cash with trustee (reserve)	412	0		0		
Amortization of bond discount	(8,477)	(8,477)		(8,477)		
Amortization of bond issuance costs	0	0		0		
Amortization of deferred amount of refunding	4,584	4,584		4,584		
Unrealized Gain/ Loss (GASB 31)	971	0		0		
Rounding	0	0		0		
<b>ENDING FUND BALANCE</b>	<b>\$104,236</b>	<b>\$95,156</b>		<b>\$91,623</b>		

**FY 2016-17 BUDGET  
BEGINNING AND ENDING CASH SUMMARY**

Section Title:

Storage Facilities Revenue Bonds 2015

Section/Fund No:

44290

Account Title	Actual 2014-15	Estimated 2015-16	Adopted 2015-16	Requested 2016-17	Difference	Percent Change
<b>BEGINNING FUND BALANCE</b>	<b>\$413</b>	<b>\$4,883</b>		<b>\$1,033,493</b>		
<b>REVENUES</b>						
<b>USE OF MONEY / PROPERTY</b>						
44002 Interest on Pooled Cash	70	3,400	180	180	0	0.00%
44003 Other Interest Earnings	64	(200)	0	0	0	N/A
44050 Unrealized Gains and Losses	(163)	0	0	0	0	N/A
SUBTOTAL	(29)	3,200	180	180	0	0.00%
<b>OTHER FINANCING SOURCES</b>						
47102 Transfers In - btw Govtl Funds	449,721	802,074	443,972	816,463	372,491	83.90%
SUBTOTAL	449,721	802,074	443,972	816,463	372,491	83.90%
<b>TOTAL REVENUES</b>	<b>449,692</b>	<b>805,274</b>	<b>444,152</b>	<b>816,643</b>	<b>372,491</b>	<b>83.87%</b>
<b>EXPENDITURES</b>						
<b>SERVICES AND SUPPLIES</b>						
51242 Bank Charges	1,376	1,750	2,500	1,520	(980)	(39.20%)
SUBTOTAL	1,376	1,750	2,500	1,520	(980)	(39.20%)
<b>OTHER CHARGES</b>						
53103 Interest on LT Debt	241,334	182,126	235,628	261,453	25,825	10.96%
53105 Costs of Issuance	(2,223)	77,633	0	0	0	N/A
SUBTOTAL	239,111	259,759	235,628	261,453	25,825	10.96%
<b>OTHER FINANCING USES</b>						
57012 Transfers Out - btw Govtl Fund	60,000	2,400,000	70,000	950,000	880,000	1257.14%
SUBTOTAL	60,000	2,400,000	70,000	950,000	880,000	1257.14%
59004 Administrative Control Account	142,651	540,565	147,935	553,490	405,555	274.14%
59005 Admin Control Acct Clearing	(142,651)	(540,565)	(147,935)	(553,490)	(405,555)	274.14%
SUBTOTAL	0	0	0	0	0	N/A
<b>TOTAL EXPENDITURES</b>	<b>300,487</b>	<b>2,661,509</b>	<b>308,128</b>	<b>1,212,973</b>	<b>904,845</b>	<b>293.66%</b>
<b>Adjustments to Reserves/Encumbrances:</b>						
Technical Adjustments						
Proceeds from Bond Issuance		1,750,000				
Proceeds from Taxable Bond Issuance		1,600,000				
Deposit to Cost of Issuance Fund		77,633				
Restricted Cash w/Fiscal Agent	(24)					
Principal Payment	(142,325)	(540,565)		(553,490)		
Amortization of Bond Premium	(2,223)	(2,223)		(2,223)		
Unrealized Gain/ Loss (GASB 31)	(163)					
Rounding	1	(0)				
<b>ENDING FUND BALANCE</b>	<b>\$4,883</b>	<b>\$1,033,493</b>		<b>\$81,450</b>		

**FY 2016-17 BUDGET  
BEGINNING AND ENDING CASH SUMMARY**

Section Title:

Common Facilities Revenue Bonds 2015

Section/Fund No:

44295

Account Title	Actual 2014-15	Estimated 2015-16	Adopted 2015-16	Requested 2016-17	Difference	Percent Change
<b>BEG. FUND BALANCE</b>	(\$40)	\$7,785		\$4,198,549		
<b>REVENUES</b>						
<b>USE OF MONEY / PROPERTY</b>						
44002 Interest on Pooled Cash	59	7,000	180	1,200	1,020	566.67%
44003 Other Interest Earnings	57	0	0	0	0	N/A
44050 Unrealized Gains and Losses	(148)	(160)	0	0	0	N/A
SUBTOTAL	(32)	6,840	180	1,200	1,020	566.67%
<b>OTHER FINANCING SOURCES</b>						
47102 Transfers In - btw Govtl Funds	401,787	888,659	396,655	648,713	252,058	63.55%
SUBTOTAL	401,787	888,659	396,655	648,713	252,058	63.55%
<b>TOTAL REVENUES</b>	<b>401,755</b>	<b>895,499</b>	<b>396,835</b>	<b>649,913</b>	<b>253,078</b>	<b>63.77%</b>
<b>EXPENDITURES</b>						
<b>SERVICES AND SUPPLIES</b>						
51242 Bank Charges	1,262	9,150	2,500	9,380	6,880	275.20%
SUBTOTAL	1,262	9,150	2,500	9,380	6,880	275.20%
<b>OTHER CHARGES</b>						
53103 Interest on LT Debt	215,445	339,166	210,352	497,823	287,471	136.66%
53105 Costs of Issuance	(1,984)	405,908	0	0	0	N/A
SUBTOTAL	213,461	745,074	210,352	497,823	287,471	136.66%
<b>OTHER FINANCING USES</b>						
57012 Transfers Out - btw Govtl Fund	50,000	5,370,000	100,000	3,780,000	3,680,000	3680.00%
SUBTOTAL	50,000	5,370,000	100,000	3,780,000	3,680,000	3680.00%
<b>ADMIN. CONTROL ACCOUNT</b>						
59004 Administrative Control Account	127,349	134,435	132,065	141,510	9,445	7.15%
59005 Admin Control Acct Clearing	(127,349)	(134,435)	(132,065)	(141,510)	(9,445)	7.15%
SUBTOTAL	0	0	0	0	0	N/A
<b>TOTAL EXPENDITURES</b>	<b>264,723</b>	<b>6,124,224</b>	<b>312,852</b>	<b>4,287,203</b>	<b>3,974,351</b>	<b>1270.36%</b>
<b>Adjustments to Reserves/Encumbrances:</b>						
Proceeds Bond Issuance	0	9,150,000		0		
Cost of Issuance	0	405,908		0		
Restricted Cash w/Fiscal Agent	(22)	0		0		
Principal Payment	(127,053)	(134,435)		(141,510)		
Amortization of Bond Premium	(1,984)	(1,984)		(1,984)		
Amortization of Cost of Issuance	0	0		0		
Post Audit Adjustments - Closing COI	0	0		0		
Unrealized Gain/ Loss (GASB 31)	(148)	0		0		
Rounding		(0)		0		
<b>ENDING FUND BALANCE</b>	<b>\$7,785</b>	<b>\$4,198,549</b>		<b>\$417,765</b>		

**FY 2016-17 BUDGET  
BEGINNING AND ENDING CASH SUMMARY**

Section Title:

Sonoma Aqueduct Revenue Bonds 2015

Section/Fund No:

44305

Account Title	Actual 2014-15	Estimated 2015-16	Adopted 2015-16	Requested 2016-17	Difference	Percent Change
<b>BEGINNING FUND BALANCE</b>	<b>\$0</b>	<b>\$0</b>		<b>\$454,798</b>		
<b>REVENUES</b>						
<b>USE OF MONEY / PROPERTY</b>						
44002 Interest on Pooled Cash	0	6,000	0	15,000	15,000	N/A
44003 Other Interest Earnings	0	0	0	0	0	N/A
SUBTOTAL	0	6,000	0	15,000	15,000	N/A
<b>OTHER FINANCING SOURCES</b>						
47102 Transfers In - btw Govtl Funds	0	77,268	0	41,812	41,812	N/A
SUBTOTAL	0	77,268	0	41,812	41,812	N/A
<b>TOTAL REVENUES</b>	<b>0</b>	<b>83,268</b>	<b>0</b>	<b>56,812</b>	<b>56,812</b>	<b>N/A</b>
<b>EXPENDITURES</b>						
<b>SERVICES AND SUPPLIES</b>						
51242 Bank Charges	0	1,100	0	1,100	1,100	N/A
SUBTOTAL	0	1,100	0	1,100	1,100	N/A
<b>OTHER CHARGES</b>						
53103 Interest on LT Debt	0	27,370	0	40,712	40,712	N/A
53105 Costs of Issuance	0	48,798	0	0	0	N/A
SUBTOTAL	0	76,168	0	40,712	40,712	N/A
<b>OTHER FINANCING USES</b>						
57012 Transfers Out - btw Govtl Fund	0	700,000	0	300,000	300,000	N/A
SUBTOTAL	0	700,000	0	300,000	300,000	N/A
<b>ADMIN. CONTROL ACCOUNT</b>						
59004 Administrative Control Account	0	0	0	0	0	N/A
59005 Admin Control Acct Clearing	0	0	0	0	0	N/A
SUBTOTAL	0	0	0	0	0	N/A
<b>TOTAL EXPENDITURES</b>	<b>0</b>	<b>777,268</b>	<b>0</b>	<b>341,812</b>	<b>341,812</b>	<b>N/A</b>
<b>Adjustments to Reserves/Encumbrances:</b>						
Proceeds Bond Issuance	0	1,100,000		0		
Restricted Cash w/Fiscal Agent	0	0		0		
Principal Payment	0	0		0		
Deposit to Cost of Issuance Fund	0	48,798		0		
Unrealized Gain/ Loss (GASB 31)	0	0		0		
Rounding	0	0		0		
<b>ENDING FUND BALANCE</b>	<b>\$0</b>	<b>\$454,798</b>		<b>\$169,798</b>		

REVENUE BOND / STATE LOAN CHARGES - WATER RATES AND ESTIMATED REVENUES FOR FY 16-17

**A. ANNUAL DEBT SERVICE REQUIREMENTS**

	Common Facilities	Watershed Plan Restoration	Water Conservation	Storage Facilities	Sonoma Pipeline Facilities
<b>2012 A Revenue Bond</b>	<b>44275</b>	<b>TBD</b>	<b>TBD</b>	<b>44280</b>	<b>44285</b>
PRINCIPAL	217,250			155,150	127,600
INTEREST	160,905			114,876	94,519
FISCAL AGENT FEES	2,500			2,500	3,400
DEBT ISSUANCE COSTS					
Total Individual Bond Payments	380,655	0		272,526	225,519
Bond Reserve		0			
<b>Total Individual Bond Debt Service</b>	<b>380,655</b>	<b>0</b>		<b>272,526</b>	<b>225,519</b>
<b>2015A Revenue Bond</b>	<b>44295</b>			<b>44290</b>	<b>44305</b>
PRINCIPAL	141,510			553,490	0
INTEREST	497,823			261,453	40,712
FISCAL AGENT FEES	9,380			1,520	1,100
Total Individual Bond Payments	648,713			816,463	41,812
Bond Reserve (fully funded)					
<b>Total Individual Bond Debt Service</b>	<b>648,713</b>			<b>816,463</b>	<b>41,812</b>
<b>2006A Revenue Bond</b>					
PRINCIPAL					
INTEREST					
FISCAL AGENT FEES					
Total Individual Bond Payments	0			0	0
Bond Reserve (fully funded)				0	0
<b>Total Individual Bond Debt Service</b>	<b>0</b>			<b>0</b>	<b>0</b>
<b>2013 Capital Fund Loan Requirement</b>					
PRINCIPAL	0				
INTEREST	0				
FISCAL AGENT FEES	0				
DEBT ISSUANCE COSTS	0				
DISCOUNT/BONDS	0				
Total Individual Loan Payments	0				
Loan Reserve					
<b>Total Individual Loan Debt Service</b>	<b>0</b>				
<b>2013 Santa Rosa AQ Capital Fund Loan</b>					
PRINCIPAL					
INTEREST					
FISCAL AGENT FEES					
DEBT ISSUANCE COSTS					
DISCOUNT/BONDS					
Total Individual Loan Payments					
Loan Reserve					
<b>Total Individual Loan Debt Service</b>	<b>0</b>			<b>0</b>	<b>0</b>
<b>2013 Petaluma AQ Capital Fund Loan</b>					
PRINCIPAL					
INTEREST					
FISCAL AGENT FEES					
DEBT ISSUANCE COSTS					
DISCOUNT/BONDS					
Total Individual Loan Payments					
Loan Reserve					
<b>Total Individual Loan Debt Service</b>	<b>0</b>			<b>0</b>	
<u>1. 09/10 Financing Exp for Common Fac incl above until index established</u>	<b>Mirabel Generators</b>	<b>TBD - RRIFR</b>	<b>TBD - Water Ed Bldg</b>	<b>TBD - Oakmont Pipeline</b>	
PRINCIPAL	0				
INTEREST	0				
FISCAL AGENT FEES	0				
DEBT ISSUANCE COSTS	0				
Total Individual Bond Payments	0	0	0	0	0
Reserve	0	0	0	0	0

REVENUE BOND / STATE LOAN CHARGES - WATER RATES AND ESTIMATED REVENUES FOR FY 16-17

**A. ANNUAL DEBT SERVICE REQUIREMENTS**

	Common Facilities	Watershed Plan Restoration	Water Conservation	Storage Facilities	Sonoma Pipeline Facilities
<b>Total Individual Financing Debt Service</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>SRF LOAN</b>	<b>675,439</b>				
PRINCIPAL	750,898			N.A	N.A
INTEREST	289,340			N.A	N.A
USE OF SRF LOAN FUND BALANCE - 675439 Reserve Requirement	0				
<b>Total SRF Debt Service</b>	<b>1,040,238</b>				
<b>SRF LOAN RESERVE RESERVE</b>				N.A	N.A
<b>Total SRF Debt Service</b>	<b>1,040,238</b>				
<b>TOTAL DEBT SERVICE</b>	<b>\$2,069,606</b>	<b>\$0</b>	<b>\$0</b>	<b>\$1,088,989</b>	<b>\$267,331</b>
LESS REV. FROM N. MARIN REV. BOND CHARGES	256,411				
<b>REMAINING REVENUE REQUIREMENT</b>	<b>\$1,813,195</b>	<b>\$0</b>	<b>\$0</b>	<b>\$1,088,989</b>	<b>\$267,331</b>

**B. CALCULATIONS OF WATER RATES FOR FY 16-17**

	Common Facilities Debt Service Charge	Watershed Plan Restoration Debt Service Charge	Water Conservation Debt Service Charge	Storage Facilities Revenue Bonds Charge	Sonoma Pipeline Facilities Revenue Bonds Charge
REVENUE REQUIREMENT	\$1,813,194.64	\$0	\$0	\$1,088,989	\$267,331
APPLICABLE BASE WATER DELIVERIES IN A.F.	30,351.48	40,452.5	40,452.5	30,351.48	3,539.3
<b>CHARGES PER ACRE-FEET</b>	<b>\$59.74</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$35.88</b>	<b>\$75.53</b>

**C. CALCULATIONS OF NORTH MARIN REVENUE BONDS CHARGE**

REVENUE REQUIREMENT FOR COMMON FACILITIES DEBT SERVICE (Remaining Facilities per RA 4.3a2)	2,069,606
N. MARIN'S SHARE (REV. REQMT. FOR COMMON FAC. DEBT SERVICE X (11.2/90.4))	256,411
<b>ESTIMATED WATER DELIVERIES TO NORTH MARIN (IN A.F.)</b>	<b>5,002</b>
NORTH MARIN REVENUE BONDS CHARGE	51.27
REVENUE REQUIREMENT FOR COMMON FACILITIES DEBT SERVICE (Additional Facilities per RA 4.3b9)	-
N. MARIN'S SHARE (REV. REQMT. FOR COMMON FAC. DEBT SERVICE X (19.9/146.2))	-
<b>ESTIMATED WATER DELIVERIES TO NORTH MARIN (IN A.F.)</b>	<b>5,002</b>
NORTH MARIN REVENUE BONDS CHARGE	0.01
<b>Common Facilities</b>	
Debt Service RA 4.3a2 (remaining facilities)	2,069,606
N. Marin's Share (11.2/90.4)	256,411
Estimated Water Deliveries to N. Marin	<b>5,001.5</b>
Applicable portion of the N. Marin R. Bonds Charge	<b>\$51.27</b>
Total Revenue Required	\$2,069,606
Debt service - Additional Facilities	0
Revenue base for NMWD	\$2,069,606
2015A New Money P&I Begins 2020	
Debt Service RA 4.3b9 (additional facilities)	0
N. Marin's Share (19.9/146.2)	-
Estimated Water Deliveries to N. Marin	<b>5,002</b> Update formula for the lesser of three years or 12 months average delivery.
Applicable portion of the N. Marin R. Bonds Charge	\$ -
Total NMWD Share	256,411
NMWD Total Bonds Charge	<b>\$51.27</b>

**FY 2016-17 BUDGET**  
**Water Transmission System - Fund Balances and Operating Transfers**

<b>Fund</b>	<b>Index</b>	<b>OT Out (57012)</b>	<b>To</b>	<b>OT In (47102)</b>	<b>Fund Bal. (Stmnt.)</b>	<b>Fund Bal. (Cash)</b>	<b>Diff.</b>
Santa Rosa Aq. Capital Fund	44230	0		367,478	6,135,690	6,135,690	0
Petaluma Aq. Capital Fund	44235	0		252,060	7,578,652	7,578,652	0
Sonoma Aq. Capital Fund	44240	0		428,105	748,196	748,196	0
Sonoma Rev Bond 2012 Fund	44285	0		225,519	91,623	91,623	0
Sonoma Rev Bond 2015 Fund	44305	300,000		41,812	169,798	169,798	0
Storage Rev Bond 2012 Fund	44280	0	Storage Facilities	272,526	79,516	79,516	0
Storage Rev Bond 2015 Fund	44290	950,000	Storage Facilities	816,463	81,450	81,450	0
Common Rev Bond 2012 Fund	44275	0	Common Facilities	380,655	96,732	96,732	(0)
Common Rev Bond 2015 Fund	44295	3,780,000	Common Facilities	648,713	417,765	417,765	0
State Loan Debt Service	44265	0		1,040,238	47,028	47,028	(0)
State Loan Reserve	44270	0		0	0	0	0
Capital Lease Financing		0		0	0	0	0
Agency Fund (Discretionary)	44205	3,711,422	Common Facilities	0	5,615,968	5,615,968	0
Agency Fund (Charges)	44205	10,010,829		0			
Pipeline Facilities	44255			0	0	0	0
Storage Facilities	44250			950,000	113,992	113,992	0
Common Facilities	44260			7,491,422	104,231	104,231	0
North Marin	44300			0	13,127	13,127	0
Water Management Planning	44210			123,200	355,217	355,217	(0)
Watershed Planning/Restoration	44215			3,350,000	1,179,464	1,179,464	0
Recycled Water & Local Supply	44220			665,000	12,468	12,468	(0)
Water Conservation	44225			1,699,059	556,871	556,871	0
<b>Total</b>		<b>18,752,251</b>		<b>18,752,251</b>	<b>23,397,787</b>	<b>23,397,787</b>	<b>0</b>

**Common Facilities OT - in 47101 From**

Water Transmission (discretionary)	3,711,422				<b>23357548</b>		
Water Transmission (Charges)	-				<b>40,239</b>		
North Marin	-		O&M Rate Computation				
2012 Bond Fund	-		Revenue Requirement - Transfers Out:				
2015 Bond Fund	3,780,000				<b>10,010,829</b>		
	<u>7,491,422</u>						

**Agency Fund (Charges) OT - Out To:**

<b>AQ Capital Funds</b>		<b>Agency Fund (Charges) OT - Out To: Summary</b>	
Santa Rosa Aq. Capital Fund	367,478	AQ Capital Funds	747,644
Petaluma Aq. Capital Fund	252,060	Debt Service Funds	3,425,926
Sonoma Aq. Capital Fund	<u>128,105</u>	WT Subfunds	<b>10,010,829</b>
	747,644		
<b>Debt Service Funds</b>			
Sonoma Rev Bond 2012 Fund	225,519		
Sonoma Rev Bond 2015 Fund	41,812	Capital Funds and North Marin	3,711,422
Storage Rev Bond 2012 Fund	272,526		
Storage Rev Bond 2015 Fund	816,463	<b>Total</b>	<b>13,722,251</b>
Common Rev Bond 2012 Fund	380,655		
Common Rev Bond 2015 Fund	648,713		
State Loan Debt Service	1,040,238		
State Loan Reserve	0		
Capital Lease Financing	<u>0</u>		
	3,425,926		

<b>Capital Funds and North Marin</b>			
Pipeline Facilities	0		
Storage Facilities	0		
Common Facilities	3,711,422		
North Marin	<u>0</u>		
	3,711,422		
<b>WT Subfunds</b>			
Water Management Planning	123,200		
Watershed Planning/Restoration	3,350,000		
Recycled Water & Local Supply	665,000		
Water Conservation	<u>1,699,059</u>		
	5,837,259		

<b>Capital Funds and North Marin</b>			
Pipeline Facilities	0		
Storage Facilities	0		
Common Facilities	3,711,422		
North Marin	<u>0</u>		
	3,711,422		

<b>WT Subfunds</b>			
Water Management Planning	123,200		
Watershed Planning/Restoration	3,350,000		
Recycled Water & Local Supply	665,000		
Water Conservation	<u>1,699,059</u>		
	5,837,259		

<b>Total</b>	13,722,251		
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See Next Page for Bond Proceeds Summary

## 2015A Water Revenue Bonds - Bond Proceeds Summary

<b>Sonoma Rev Bond 2015:</b>		<b>Bond Proceeds:</b>	<b>1,100,000</b>
<u>Transfer Out T Dollars</u>		<u>Projects</u>	
FY16-17	Sonoma AQ	300,000	Sonoma Booster Station (SBS)
FY15-16	Capital Fund	700,000	Pumping/Elec Upgrades & Sonoma SBS
		<u>1,000,000</u>	- remainder for FY17-18

<b>Storage Rev Bond 2015 Fund</b>		<b>Bond Proceeds:</b>	<b>3,350,000</b>
<u>Transfer Out T Dollars</u>		<u>Projects</u>	
FY16-17	Storage	950,000	Ralphine Tanks Flow Through Project
FY15-16	Facilities	2,400,000	Repay SR AQ Intrafund Loan and Ralphine Tanks Prj
		<u>3,350,000</u>	

<b>Common Rev Bond 2015 Fund</b>		<b>Bond Proceeds:</b>	<b>9,150,000</b>
<u>Transfer Out T Dollars</u>		<u>Projects</u>	
FY16-17	Common	3,780,000	Mirabel Fish Screen, Mirabel Dam Bladder
FY15-16	Facilities	5,370,000	Replacement, Isolation Valaves, MW and
		<u>9,150,000</u>	RR Creek Crossings
			All project allocations are based on costs net of grant funds.

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