

Water Transmission FY 2018-2019 Draft Budget and Rates

The draft proposed FY 18-19 rates are shown in the table below:

Charge / Aqueduct	Santa Rosa	Petaluma	Sonoma
Deliveries (Acre-Feet)	41,768		
O&M	\$578.85	\$578.85	\$578.85
Water Management Planning	\$1.00	\$1.00	\$1.00
Watershed Planning & Restoration	\$91.07	\$91.07	\$91.07
Recycled Water and Local Supply	\$2.92	\$2.92	\$2.92
Water Conservation	\$45.16	\$45.16	\$45.16
Total O&M	\$719.00	\$719.00	\$719.00
Storage & Common Bond/Loan Charges	\$139.38	\$139.38	\$139.38
Sonoma Aqueduct Bond/Loan Charge			\$142.68
Prime Contractors	\$858.38	\$858.38	\$1,001.06
<i>Discretionary Charges</i>			
Capital Charges - to build fund balance for future projects	\$19.50	\$19.50	\$0.00
Local Recycled Water Tier 2 Program	\$0.00	\$0.00	\$0.00
Prime Contractors	\$19.50	\$19.50	\$0.00
Total Prime Contractors	\$877.88	\$877.88	\$1,001.06
Total Overall Increase:	3.67%	3.67%	5.98%

SUMMARY

- **Deliveries: (Budget Packet Pages 8-13):**
 - **FY18-19:** rates are based on budgeted deliveries of **41,768 Acre-Feet (AF)**. Per the Restructured Agreement for Water Supply, rates are calculated using the *lesser* of: the average annual water deliveries for the past 36 months (41,768 AF) or the last 12 months of water deliveries (Calendar Year (CY) 2017: 43,848 AF). Actual deliveries for CY 2017 were 7.12% more than CY 2016: 40,932 AF. FY18-19 budgeted deliveries are 0.78% more than FY17-18 budgeted deliveries.
 - **FY17-18:** budgeted deliveries for rate calculation were based on the last 12 months of actual water deliveries (CY 2016: 41,446 AF). Actual FY deliveries will be determined at the end of FY17-18. Current trend indicates actuals may be close to budget. Water deliveries could possibly decrease by 5% due to the Sonoma Complex Fires. A decrease of more than 5% would result in water sales revenue below budget which could impact future rates.
 - **FY16-17:** budgeted deliveries were 40,524 AF. Actual deliveries were 40,356 AF (0.41% lower).
- **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	\$4.81	0.8%	Routine services and supplies and large non-routine maintenance project costs are increasing.
Revenue	\$1,151,997	3.2%	Increase attributable to budgeted deliveries and the total overall rate increase which includes higher charges for watershed planning and restoration, and new money financing for capital projects in FY 2018-2019.
Expenditures	\$995,676	2.3%	Increase due to flood and fire-related water quality studies, Russian River embankment repairs, and ongoing large non-routine maintenance projects.

Factors affecting the O&M rate:

O&M Fund Expenditures	Increase (Decrease) in Dollars	Percent Change	Description
Labor	\$600,000	4.3%	Increase attributable to a) 3% cost of living increase in Fiscal Year 2017-2018 after water transmission budget was approved, and b) additional labor for flood and fire-related water quality studies and Russian River embankment repairs, and ongoing large non-routine maintenance projects.
Power	\$100,000	3.1%	Expected to decrease \$230,000 over Fiscal Year 2016-2017 actuals (\$3.53 million) but increase \$100,000 over Fiscal Year 2017-2018 budget due to increased pumping from slightly higher water deliveries.
Chemicals	\$90,000	15.0%	Expected to increase \$10,000 over Fiscal Year 2016-2017 actuals, and \$15,000 over Fiscal Year 2017-18 estimated actuals. Increase in deliveries results in an increase in treatment costs. Fiscal Year 2017-2018 budget underestimated treatment costs.
Testing/Analysis	\$5,000	3.8%	Increase due to slightly higher water deliveries and corresponding need for laboratory testing and analysis.
Contract Services	\$260,000	18.7%	Increase due to flood and fire-related water quality studies, Russian River embankment repairs, and ongoing large non-routine maintenance projects.
Maintenance - Equipment	(\$254,000)	-20.4%	Budget is aligned more closely with Fiscal Year 2016-2017 actuals.
Small Tools - Instruments	\$40,000	28.6%	Increase to align more closely with Fiscal Year 2016-2017 actuals.
Operating Transfers	(\$76,000)	-0.6%	Operating Transfers (OT's) move revenue generated by rates into respective funds (debt service funds, subfunds, aqueduct capital funds and Common Facilities) and maintain appropriate fund balance.

• **Subfunds: (Budget Packet Pages 22-31):**

- 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	(\$2.14)	-68.1%	Fiscal Year 2017-2018 rate is \$3.14. Fund is for Urban Water Management Plan updates. Past rate increases have accumulated sufficient fund balance for Fiscal Year 2021 Urban Water Management Plan resulting in a rate decrease for Fiscal Year 2018-2019.
Revenue	(\$93,424)	-66.4%	Decrease due to reduced rate increase. Target fund balance for Fiscal Year 2021 Urban Water Management Plan has been reached.
Expenditures	\$0	0.0%	Budget of \$25,000 comparable to Fiscal Year 2017-2018 for follow-up meetings, responding to State Department of Water Resources and contractor requests, tracking regulatory compliance changes, and coordinating with climate adaption strategic planning efforts.

- 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	\$4.67	5.4%	Fiscal Year 2017-2018 rate is \$86.40. Rate increase to build fund balance for Dry Creek Habitat Enhancement miles 4, 5, and 6 construction to smooth impact of future rates.
Revenue	\$234,323	6.1%	Increase due to slightly increased Fiscal Year 2018-2019 budgeted water deliveries and subfund rate increase as compared to Fiscal Year 2017-2018 budget.
Expenditures	(\$1,077,000)	-24.0%	Decrease due to encumbering Dry Creek Habitat Enhancement miles 4, 5, and 6 design agreements in Fiscal Year 2017-2018, progress on draft and final flow EIR, and climate adaption projects.

- 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	(\$7.09)	-70.8%	Fiscal Year 2017-2018 rate is \$10.01 for Water Agency role in Santa Rosa Plain Groundwater Sustainability Agency. Past rate increases have accumulated sufficient fund balance for aquifer storage and recovery project. Fiscal Year 2017-2018 and Fiscal Year 2018-2019: TAC has not included Local Recycled Water Tier 2 (LRT2) funding in the budget.
Revenue	(\$310,248)	-69.6%	Decrease due to reduced rate increase. Target fund balance for aquifer storage and recovery project has been reached.
Expenditures	\$7,000	6.1%	Increase is for Water Agency share of Santa Rosa Plain Groundwater Sustainability Agency groundwater sustainability plan.

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

Water Conservation	Increase (Decrease) in Dollars	Percent Change	Description
Rate per AF	\$1.39	3.2%	Fiscal Year 2017-2018 rate is \$43.77. Rate increase for program needs. Fiscal Year 2017-2018 use of \$290,000 in fund balance to reduce rate increase.
Revenue	\$212,055	10.0%	Increase due to DWR Water Energy Grant and funding agreements with water contractors.
Expenditures	\$438,672	21.3%	Implement water use efficiency, outreach and education projects, address ongoing water conservation needs, and pass through grant funds to water contractors and other partners. Fire-related water use efficiency activities expected to be ongoing in FY 2018-2019.

- **Storage, Common, and Sonoma Bond/Loan Charges: (Budget Packet Pages 43-56):**
 - The rates are calculated by dividing the annual debt service and reserve requirements (2012A, 2015A, and proposed 2019A Water Revenue Bonds) by water deliveries. The rate increases shown below are attributed to the proposed new money financing (Water Revenue Bonds 2019A); Total \$11.5M, 3.4% 25 years.

Storage and Common Bond/Loan Charges	Increase (Decrease) in Dollars	Percent Change	Description
Storage Bond/Loan Charge	(\$1.07)	-2.5%	Fiscal Year 2017-2018 rate is \$42.11. Rate is based on revenue requirement for debt service divided by water deliveries. Flat debt service with slight increase in water deliveries results in rate decrease.
Common Bond/Loan Charge	\$30.53	45.0%	Fiscal Year 2017-2018 rate is \$67.81. Increase resulting from new money financing in FY 2018-2019 for Common Facilities capital projects. \$9.4M, 25 years, 3.4%.
Sonoma Aqueduct Bond/Loan Charge	\$57	67.3%	Fiscal Year 2017-2018 rate is \$67.81. Sonoma Aqueduct pays an additional revenue bond charge for the bonds associated with the Eldridge-Madrone Pipeline Project. Increase resulting from new money financing in FY 2018-2019 for Sonoma Booster Station (SBS) Electrical Upgrade and Pumping Reliability Project. \$2.1M, 25 years, 3.4%.

- **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.
 - The FY17-18 budget included a rate per AF of \$19.50 for the Santa Rosa and Petaluma Aqueducts and \$32 for the Sonoma Aqueduct to increase fund balance for known needed future capital projects.
 - FY18-19 draft budget includes these same aqueduct capital charges for the Santa Rosa and Petaluma Aqueducts. An Aqueduct Capital Charge for the Sonoma Aqueduct has not been included in the draft FY18-19 budget to reduce the rate impact of the proposed new money bond financing for the SBS Electrical Upgrade and Pumping Reliability Project.

- **Overall Draft Proposed Rate Increases: (Budget Packet Pages 1-7):**
 - 3.67% (Santa Rosa and Petaluma Aqueducts)
 - 5.98% (Sonoma Aqueduct)
 - Due to the Sonoma Complex Fires, water deliveries are uncertain. The Water Agency estimates that water deliveries potentially could decrease by up to 5%. The TAC Ad Hoc budget subcommittee indicated that decreases in water deliveries due to the fires were not anticipated to be significant enough to warrant recommending a lower water deliveries figure for the water rate calculation. As an example, all budgeted expenditures remaining the same, a 4.42% decrease in deliveries from 41,768 AF to 40,000 AF would result in a rate increase exceeding 8%. Per the Restructured Agreement, a different water deliveries figure other than 41,768 AF may be considered due to drought or other water supply reduction condition.
 - This is the fourth draft of the budget. 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 federal and state grant funds, use of fund balance, and bond proceeds for capital projects totaling \$8.2M in FY17-18 and \$7.4M in FY18-19. This budget has been developed to facilitate collaborative discussions in order to achieve a budget and rate package that is responsible and financially sound.

FY2018-2019 Capital Projects

(Budget Packet Pages 32-42):

Project	Category	Amount
LHMP - Program Design (for Future FEMA Funds)	Storage	25,000
Mainline Valve Replacement (Jennings Ave)	Santa Rosa AQ	50,000
Ely BPS Flood Control & Electrical Upgrade	Petaluma AQ	480,000
LHMP - Program Design (for Future FEMA Funds)	Petaluma AQ	25,000
Wilfred Booster Station Electrical Upgrade	Petaluma AQ	650,000
MSN Segment C2 - HOV Lane - Lakeville to Old Redwood Hwy.	Petaluma AQ	100,000
Marin Sonoma Narrows Segment B2	Petaluma AQ	20,000
LHMP - Program Design (for Future FEMA Funds)	Sonoma AQ	30,000
SBS Electrical Upgrade and Pumping Reliability	Sonoma AQ	100,000
Caisson 5 Motor & Discharge Head Replacements	Common	230,000
LHMP - Program Design (for Future FEMA Funds)	Common	25,000
Mirabel Dam Bladder Replacement	Common	1,052,874
Mirabel RR Crossing Fiber Optic Cable Relocation	Common	280,000
RDS Motor Control Center Replacement	Common	455,000
RDS Pump and Motor Replacement	Common	80,000
System-wide Meter Replacements	Common	80,000
Warm Springs Dam Hydroturbine Retrofit	Common	1,120,000
Wohler Plant Access Rd. Retaining Wall	Common	180,000
Wohler Motor Replacements - Collectors 1&2	Common	200,000
WTS Equipment Building	Common	25,000
	TOTAL	5,207,874
	Storage	25,000
	Santa Rosa AQ	50,000
	Petaluma AQ	1,275,000
	Sonoma AQ	130,000
	Common	3,727,874
		5,207,874

**Sonoma County Water Agency
FY18-19 Water Transmission Budget and Rates**

Budget Packet	Page
Rates	
Prime Contractor Rates Summary	1
Water Charges Per Acre-Foot	2
Revenue Summary	3
Water Rates	4
O&M Rate	5
Line Item Rate Comparison	6
Russian River Projects and Conservation Charges	7
Deliveries	
Deliveries (36 Mo)	8
Deliveries (12 Mo)	9
Deliveries and Revenue - All Aqueducts	10
Deliveries and Revenue - Santa Rosa Aqueduct	11
Deliveries and Revenue - Petaluma Aqueduct	12
Deliveries and Revenue - Sonoma Aqueduct	13
Agency O&M Fund	
Agency Fund Cash Summary	14-17
Major Services and Supplies Expenditure Items	18
Equipment Maintenance, Contracts, Consulting Services	19
Contract Services Project Information	20-21
Subfunds	
Water Management Subfund	22
Watershed Planning and Restoration Subfund	23-24
Recycled Water and Local Supply Subfund	25-26
Water Conservation Subfund	27-28
Subfund Contract Services	29-31
Facilities and Other Funds	
Santa Rosa Aqueduct Capital Fund	32-33
Petaluma Aqueduct Capital Fund	34-35
Sonoma Aqueduct Capital Fund	36-37
Storage Facilities Cash Summary	38-39
Common Facilities Cash Summary	40-41
North Marin Water Deposit Fund	42
Bonds and Loans	
State Revolving Loan Debt Service Fund	43
State Revolving Loan Reserve Fund	44
Storage Bonds 2012 Cash Summary	45
Common Bonds 2012 Cash Summary	46
Sonoma Bonds 2012 Cash Summary	47
Storage Bonds 2015 Cash Summary	48
Common Bonds 2015 Cash Summary	49
Sonoma Bonds 2015 Cash Summary	50
Common Bonds 2019 Cash Summary	51
Sonoma Bonds 2019 Cash Summary	52
Bond & Loan Charges	53-54
Fund Balances and Operating Transfers	55
2015A Water Revenue Bond - Proceeds Summary	56

FY18-19 Prime Contractor Rates Summary

	CHARGE PER ACRE FOOT:						Percent Change
	Santa Rosa	Petaluma	Sonoma	FY17-18			
	Aqueduct	Aqueduct	Aqueduct	SR	Pet	Son	
O&M Charge [4.2]	578.85	578.85	578.85	\$574.04	\$574.04	\$574.04	0.84%
Water Management Planning Sub-charge	1.00	1.00	1.00	\$3.14	\$3.14	\$3.14	-68.11%
Watershed Planning/Restoration Sub-charge	91.07	91.07	91.07	\$86.40	\$86.40	\$86.40	5.41%
Recycled Water & Local Supply Sub-charge	2.92	2.92	2.92	\$10.01	\$10.01	\$10.01	-70.83%
Water Conservation Sub-charge [4.16]	45.16	45.16	45.16	\$43.77	\$43.77	\$43.77	3.18%
O&M Charge	719.00	719.00	719.00	\$717.36	\$717.36	\$717.36	0.23%
Storage and Common Bond & Loan Charge	139.38	139.38	139.38	\$ 109.92	\$ 109.92	\$ 109.92	26.80%
Sonoma Aqueduct Bond Charge			142.68			\$ 85.28	67.3%
PRIME CONTRACTORS	\$858.38	\$858.38	\$1,001.06	\$ 827.28	\$827.28	\$912.56	
Capital Charges - to build fund balance for future projects	19.50	19.50	0.00	\$ 19.50	\$ 19.50	\$ 32.00	0%
Local Recycled Water Tier 2 Program	0.00	0.00	0.00	\$0.00	\$ -	\$ -	0%
PRIME CONTRACTORS	19.50	19.50	0.00	\$ 19.50	\$ 19.50	\$ 32.00	0%
				2.56%	2.56%	2.31%	
TOTAL PRIME CONTRACTORS	\$877.88	\$877.88	\$1,001.06	\$ 846.78	\$846.78	\$944.56	
Increase from FY 17-18	3.67%	3.67%	5.98%	4.98%	4.98%	5.58%	

Note: the Local Recycled Water Tier 2 Program rate is included in the Recycled Water and Local Supply Sub-charge on the Water Rates page.

WATER TRANSMISSION SYSTEM
 FY18-19 WATER CHARGES PER ACRE-FOOT
 FOR PRIME CONTRACTORS

FISCAL YEAR	SANTA ROSA AQUEDUCT	% INCR. (DECR.)	PETALUMA AQUEDUCT	% INCR. (DECR.)	SONOMA AQUEDUCT	% INCR. (DECR.)
2018 - 2019	877.88	3.67%	877.88	3.67%	1001.06	5.98%
2017 - 2018	846.78		846.78		944.56	
2016 - 2017	806.59		806.59		894.62	
2015 - 2016	761.05		761.05		836.55	
2014 - 2015	730.68		730.68		793.24	
2013 - 2014	705.30		705.30		768.75	
2012 - 2013	672.03		672.03		740.34	
2011 - 2012	634.11		634.11		703.33	
2010 - 2011	603.92		603.92		674.47	
2009 - 2010	564.78		564.78		622.11	
2008 - 2009	471.13		511.13		486.22	
2007 - 2008	441.70		461.70		453.49	
2006 - 2007	431.29		451.29		442.60	
2005 - 2006	412.68		432.68		424.53	
2004 - 2005	402.51		422.51		414.42	
2003 - 2004	393.89		413.89		407.95	
2002 - 2003	387.49		397.90		387.43	
2001 - 2002	383.29		384.02		373.38	
2000 - 2001	330.76		331.61		320.74	

**WATER TRANSMISSION SYSTEM
FY18-19 REVENUE SUMMARY CHART**

WATER CUSTOMER	FY18-19 Budgeted Water Use (Acre-Feet)	FY17-18 Rate \$/Acre-Foot	FY18-19 Proposed Rate \$/Acre-Foot	Dollar Change	Percent Change
Santa Rosa Aqueduct	16,102	\$846.78	\$877.88	\$31.10	3.67%
Petaluma Aqueduct	9,658	846.78	877.88	\$31.10	3.67%
Sonoma Aqueduct	3,707	944.56	1,001.06	\$56.50	5.98%
North Marin Water Dist.	5,166	886.28	894.17	\$7.89	0.89%
Marin Municipal – Third Off Peak	4,300	1,058.79	1,093.33	\$34.54	3.26%
Marin Municipal – Supplemental	968	1,058.79	1,093.33	\$34.54	3.26%
Forestville Aqueduct	373	846.78	877.88	\$31.11	3.67%
Wholesale/Municipal	921	1,133.47	1201.27	\$67.80	5.98%
Surplus	70	860.83	862.80	\$1.97	0.23%
Windsor	503	1,016.14	1,053.46	\$37.31	3.67%
TOTAL	41,768				

SONOMA COUNTY WATER AGENCY RATES FOR WATER DELIVERIES IN FY18-19

[X] ESTIMATED [] OFFICIAL
Approved by Board of Directors on April ____, 2018

CHARGE PER ACRE FOOT:

	<u>Santa Rosa Aqueduct</u>	<u>Petaluma Aqueduct</u>	<u>Sonoma Aqueduct</u>
PRIME CONTRACTORS			
O&M Charge [4.2]	\$578.85	\$578.85	\$578.85
Water Management Planning Sub-charge [4.13]	\$1.00	\$1.00	\$1.00
Watershed Planning/Restoration Sub-charge [4.14]	\$91.07	\$91.07	\$91.07
Recycled Water & Local Supply Sub-charge [4.15]	\$2.92	\$2.92	\$2.92
Water Conservation Sub-charge [4.16]	\$45.16	\$45.16	\$45.16
O&M Charge	<u>\$719.00</u>	<u>\$719.00</u>	<u>\$719.00</u>
Bond & Loan Charges - to pay for existing debt service			
Storage Facilities Capital Charge [4.7]	41.04	41.04	41.04
Common Facilities Capital Charge [4.8]	98.34	98.34	98.34
Sonoma Aqueduct Facilities Capital Charges [4.6 b]			142.68
Total Bond & Loan Charges	<u>\$139.38</u>	<u>\$139.38</u>	<u>\$282.06</u>
<i>Discretionary:</i>			
Aqueduct Capital Charges - to build fund balance for future projects			
Aqueduct Facilities Capital Charges [4.6 e]	19.50	19.50	0.00
LRT2 - included in Recycled Water & Local Supply Sub-Charge above.			
TOTAL PRIME CONTRACTORS	\$877.88	\$877.88	\$1,001.06
Charge without LRT2 and voluntary AQ Capital Charge	\$858.38	\$858.38	\$1,001.06
OTHER AGENCY CUSTOMERS/WHOLESALE CHARGES			
(WATER CO'S & PUBLIC AGENCIES)			
O&M Charge	\$719.00	\$719.00	\$719.00
Capital Charges	139.38	139.38	282.06
Aqueduct Facilities Capital Charge	\$342.89	\$342.89	\$200.21
TOTAL OTHER AGENCY CUSTOMERS/WHOLESALE CHARGES (4.12) (120% OF HIGHEST PRIME)	<u>\$1,201.27</u>	<u>\$1,201.27</u>	<u>\$1,201.27</u>
FORESTVILLE			
O&M Charge [4.2] *	\$578.85		
Water Management Planning Sub-charge [4.13]	1.00		
Watershed Planning/Restoration Sub-charge [4.14]	91.07		
Recycled Water & Local Supply Sub-charge [4.15]	2.92		
Water Conservation Sub-charge [4.16]	45.16		
O&M Charge	<u>\$719.00</u>		
Bond & Loan Charges - to pay for existing debt service			
Aqueduct Facilities Capital Charges [4.6]	19.50		
Storage Facilities Capital Charge [4.7]	41.04		
Common Facilities Capital Charge [4.8]	98.34		
Total Capital Charges	<u>\$158.88</u>		
TOTAL FORESTVILLE	\$877.88		
* Forestville Water District exempt from Santa Rosa Aqueduct sub-charge from FY 06/07 to FY 16/17 [4.12].			
NORTH MARIN WATER DISTRICT			
O&M Charge		\$719.00	
North Marin Bond & Loan Charge [4.9]		56.29	
Russian River Conservation Charge [4.18 (a)]		109.75	
Russian River Projects Charge [4.18 (b)]		9.13	
TOTAL NORTH MARIN WATER DISTRICT		<u>894.17</u>	
THIRD OFF-PEAK (MARIN MUNICIPAL)			
Highest Prime on SR and PET AQ x 1.11		\$974.45	
Russian River Conservation Charge		109.75	
Russian River Projects Charge		9.13	
TOTAL THIRD OFF-PEAK		<u>\$1,093.33</u>	
SUPPLEMENTAL (MARIN MUNICIPAL)			
Highest Prime on SR and PET AQ x 1.11		\$974.45	
Russian River Conservation Charge		109.75	
Russian River Projects Charge		9.13	
TOTAL SUPPLEMENTAL		<u>\$1,093.33</u>	
SURPLUS			
Non-Municipal / Municipal [4.11 (a)] (120% of O&M Charge)	\$862.80	\$862.80	\$862.80
Town of Windsor			
		\$1,053.46	
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)].			
	\$1,053.46		

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

FY 2018-19 BUDGET
SONOMA COUNTY WATER AGENCY
Operations and Maintenance Rate Computation

O & M REVENUE REQUIREMENT

FY18-19 ESTIMATED FISCAL YEAR EXPENDITURES \$44,493,437

LESS:

Depreciation Amortization	7,584,000
Investment Income, Interest on Pooled Cash, Charges for Services	64,350
Power Sales	100,000
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	11,664,411

REVENUE REQUIREMENT (Net Expenditures)	\$25,080,676
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O & M ACRE FOOT BASE

DELIVERIES:	41,767.7
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LESS:

Marin Municipal Surplus (Irrigation)	5,268.1
	69.7

TOTAL BASE DELIVERIES	36,429.9
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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 - Subfunds)
Total Deliveries - Surplus Deliveries - Marin Muni Deliveries

$$= \frac{25,080,676 - (4,300.00 \times 758.02) - (968.09 \times 758.02)}{41,767.7 - 69.7 - 5,268.1}$$

* = 578.85

FY18-19
Proposed Water Rates

	<u>FY17-18</u>	<u>FY18-19</u>	
	(Actual)	(Proposed)	% Change
O&M Charge	574.04	578.85	0.84%
Water Management Planning Sub-Charge	3.14	1.00	-68.11%
Watershed Planning/Restoration Sub-Charge	86.40	91.07	5.41%
Recycled Water Sub-Charge	10.01	2.92	-70.83%
Water Conservation Sub-Charge	43.77	45.16	3.18%
Total O&M Charge	717.36	719.00	0.23%

Santa Rosa Aqueduct Rate

O&M Charge	717.36	719.00	0.23%
Aqueduct Facilities Capital Charges [4.6 e]	19.50	19.50	0.0%
Storage Facilities Capital Charge [4.7]	42.11	41.04	-2.54%
Common Facilities Capital Charge [4.8]	67.81	98.34	45.03%
TOTAL	846.78	877.88	3.67%

Petaluma Aqueduct Rate

O&M Charge	717.36	719.00	0.23%
Aqueduct Facilities Capital Charges [4.6 e]	19.50	19.50	0.0%
Storage Facilities Capital Charge [4.7]	42.11	41.04	-2.54%
Common Facilities Capital Charge [4.8]	67.81	98.34	45.03%
TOTAL	846.78	877.88	3.67%

Sonoma Aqueduct Rate

O&M Charge	717.36	719.00	0.23%
Aqueduct Facilities Capital Charges [4.6 e]	32.00	0.00	-100.0%
Storage Facilities Capital Charge [4.7]	42.11	41.04	-2.54%
Common Facilities Capital Charge [4.8]	67.81	98.34	45.03%
Sonoma Aqueduct Facilities Capital Charge	85.28	142.68	67.31%
TOTAL	944.56	1001.06	5.98%

SONOMA COUNTY WATER AGENCY
RUSSIAN RIVER CONSERVATION CHARGE COMPUTATION

FISCAL YEAR 2018-19

PROPERTY ASSESSMENT VALUES AS OF FY17-18:		Does not include reassessed values - not completed		
TAX CODE	ENTITY	SECURED	UNSECURED	TOTAL VALUE
14000	Forestville Co Water District	410,774,961	2,385,784	\$413,160,745
42800	City of Cotati	1,038,099,134	21,537,877	1,059,637,011
43500	City of Petaluma	9,376,435,252	392,215,823	9,768,651,075
43800	City of Rohnert Park	4,787,721,575	123,349,799	4,911,071,374
44500	City of Santa Rosa	22,660,631,118	657,993,149	23,318,624,267
45000	City of Sonoma	2,572,329,274	61,445,415	2,633,774,689
N/A	Valley of the Moon Water District	3,281,668,939	16,847,989	3,298,516,928
<i>TOTAL</i>		\$44,127,660,253	\$1,275,775,836	\$45,403,436,089

Notes:

- 1 Total value of secured and unsecured property in service areas of Prime Water Contractors of Sonoma County (see above) \$45,403,436,089
- 2 2016-17 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 \$3,178,241
- 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. 28,957.95
- 5 Total Russian River Conservation Charge per Acre Foot (Line 3 / Line 4) \$109.75

Russian River Projects Charge
Historical calculations

RR Conservation Charge
Historical calculations

For FY	Calculated	Actual Charge	
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	\$78.73
17-18	13.08	\$13.08	\$105.78
18-19	9.13	\$9.13	\$109.75

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

		DELIVERING AQUEDUCT				Monthly
		Santa Rosa	Petaluma	Forestville	Sonoma	Total
36	Jan-15	1,043.7	1,285.4	19.2	171.1	2,519.4
35	Feb-15	1,032.8	1,169.0	17.0	216.3	2,435.1
34	Mar-15	1,479.2	1,645.5	27.5	343.2	3,495.3
33	Apr-15	1,243.9	1,692.4	23.7	332.3	3,292.2
32	May-15	1,247.5	2,013.7	29.0	268.7	3,559.0
31	Jun-15	1,607.0	2,432.2	43.2	316.8	4,399.2
30	Jul-15	1,341.8	1,539.5	34.9	313.3	3,229.5
29	Aug-15	1,546.4	1,751.3	41.2	346.3	3,685.2
28	Sep-15	1,552.4	1,918.3	45.4	353.6	3,869.8
27	Oct-15	1,654.3	2,202.2	49.1	407.5	4,313.1
26	Nov-15	1,114.5	1,301.8	22.9	251.4	2,690.6
25	Dec-15	1,170.5	1,622.2	23.6	218.9	3,035.3
24	Jan-16	1,026.5	1,393.9	20.0	202.9	2,643.3
23	Feb-16	1,043.1	1,167.6	16.5	174.4	2,401.6
22	Mar-16	1,177.1	1,375.0	21.8	197.9	2,771.8
21	Apr-16	1,069.9	1,559.4	21.7	262.8	2,913.7
20	May-16	1,185.9	1,961.3	27.5	262.8	3,437.5
19	Jun-16	1,923.0	2,496.7	44.3	449.6	4,913.6
18	Jul-16	1,742.5	2,066.0	41.2	403.3	4,253.0
17	Aug-16	1,635.2	1,937.1	42.2	395.0	4,009.5
16	Sep-16	1,794.9	1,888.8	39.1	374.4	4,097.1
15	Oct-16	1,597.9	1,908.3	36.8	364.4	3,907.4
14	Nov-16	1,046.2	1,182.8	20.2	216.1	2,465.3
13	Dec-16	1,258.9	1,586.6	22.0	250.4	3,118.0
12	Jan-17	1,099.2	1,219.7	26.9	220.0	2,565.8
11	Feb-17	1,023.6	1,130.4	22.6	186.5	2,363.1
10	Mar-17	992.1	1,055.3	17.3	184.7	2,249.3
9	Apr-17	1,086.7	1,777.0	22.3	215.7	3,101.7
8	May-17	1,416.0	2,095.9	30.7	348.9	3,891.5
7	Jun-17	1,627.3	2,280.7	34.6	391.6	4,334.2
6	Jul-17	2,295.9	2,711.9	52.3	584.6	5,644.7
5	Aug-17	1,678.8	2,246.2	43.3	450.1	4,418.4
4	Sep-17	2,250.3	2,634.2	51.6	546.3	5,482.4
3	Oct-17	1,788.9	2,170.0	42.7	445.3	4,446.9
2	Nov-17	1,123.1	1,350.7	25.4	257.4	2,756.7
1	Dec-17	1,107.6	1,268.4	20.9	196.0	2,593.0
Total Deliveries		50,024.6	63,037.5	1,120.5	11,120.4	125,303.0
3-Year Annual Average		16,674.9	21,012.5	373.5	3,706.8	41,767.7
Past 12 Months		17,489.4	21,940.5	390.5	4,027.1	43,847.6
Total Deliveries		50,024.6	63,037.5	1,120.5	11,120.4	125,303.0
Less: North Marin			15,498.9			15,498.9
Marin Municipal			15,804.3			15,804.3
Sonoma Co. Deliveries		50,024.6	31,734.3	1,120.5	11,120.4	93,999.8
3-Year Annual Average		16,674.9	10,578.1	373.5	3,706.8	31,333.3

SONOMA COUNTY WATER AGENCY
 SCHEDULE OF ACTUAL PRIOR 12 MONTHS WATER DELIVERIES IN ACRE FEET (BY CUSTOMER TYPE)
 JANUARY THROUGH DECEMBER

SONOMA COUNTY WATER AGENCY
 ACTUAL WATER DELIVERY DISTRIBUTION BY AQUEDUCT (ACRE FEET)
 PRIOR 12 MONTHS

Aqueduct No.	Jan-17	Feb-17	Mar-17	Apr-17	May-17	Jun-17	Jul-17	Aug-17	Sep-17	Oct-17	Nov-17	Dec-17	TOTAL	**** DELIVERING AQUEDUCT ****			TOTAL
														Santa Rosa	Petaluma	Sonoma	
PRIMES														DELIVERED TO:			
1	1,042.3	969.7	931.7	1,013.6	1,339.5	1,551.3	2,164.0	1,587.0	2,132.1	1,702.7	1,081.7	1,069.7	16,585.2	CITY OF SANTA ROSA (A)			
2	413.6	402.8	416.3	508.8	675.4	774.9	1,043.2	810.0	963.4	811.6	558.8	487.2	7,866.0	923.3	0.0	119.0	1,042.3
2	382.4	356.1	331.0	245.9	303.6	420.5	703.6	574.3	637.2	519.2	303.5	421.0	5,198.3	853.6	0.0	116.1	969.7
2	189.8	163.9	116.4	128.4	207.0	241.5	389.5	319.0	356.7	300.8	203.5	144.5	2,761.0	766.9	0.0	164.8	931.7
2	23.8	23.1	22.6	27.8	36.8	51.2	66.5	55.0	71.9	57.7	36.0	26.3	498.9	810.1	0.0	203.5	1,013.6
1	34.0	32.8	38.7	49.7	46.4	37.7	59.8	40.0	59.8	41.2	32.4	31.0	503.5	1,084.3	0.0	255.2	1,339.5
4	86.2	95.7	105.3	107.7	168.6	179.4	262.4	185.9	242.4	190.1	123.8	100.0	1,847.4	1,185.8	0.0	365.4	1,551.3
4	127.0	83.9	71.9	98.2	160.1	198.7	296.8	241.6	279.4	233.4	126.6	91.7	2,009.3	1,645.0	0.0	519.1	2,164.0
														1,332.3	0.0	254.7	1,587.0
														1,579.5	0.0	552.6	2,132.1
														1,399.5	0.0	303.3	1,702.7
														915.7	0.0	166.1	1,081.7
														891.9	0.0	177.8	1,069.7
														TOTAL SANTA ROSA			16,585.2
														13,387.7	0.0	3,197.4	16,585.2
OTHER AGENCY CUSTOMERS														OTHER PRIME CONTRACTORS (B)			
1	22.5	20.5	20.6	22.9	28.4	33.3	47.0	37.8	52.0	42.9	8.3	6.6	342.8	CITY OF PETALUMA			7,866.0
2	9.1	8.5	8.4	10.7	15.4	19.2	25.6	19.1	22.4	19.3	12.0	10.4	180.0	NORTH MARIN WATER DISTRICT			5,198.3
4	2.3	1.5	1.9	2.4	5.0	7.0	11.4	8.5	9.3	6.5	2.5	1.5	59.7	CITY OF ROHNERT PARK			2,761.0
4	1.8	2.9	3.0	4.5	1.5	0.9	0.6	0.4	2.0	6.9	2.0	0.2	26.6	CITY OF COTATI			498.9
3	26.9	22.6	17.3	22.3	30.7	34.6	52.3	43.3	51.6	42.7	25.4	20.9	390.5	TOWN OF WINDSOR			503.5
1	0.4	0.6	1.1	0.5	1.7	1.4	0.6	0.4	0.5	0.5	0.3	0.2	8.3	CITY OF SONOMA			1,847.4
2	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	VALLEY OF THE MOON DISTRICT			2,009.3
4	0.5	0.5	0.6	0.6	0.8	1.0	2.4	2.1	2.2	1.1	0.7	0.6	13.0	TOTAL OTHER PRIME CONTRACTORS			20,684.4
														546.6	16,281.1	3,856.7	20,684.4
														TOTAL DELIVERIES TO PRIMES			37,269.6
														13,934.3	16,281.1	7,054.2	37,269.6
														LESS: NORTH MARIN			(5,198.3)
														TOTAL SONOMA COUNTY DELIVERIES			32,071.3
														13,934.3	11,082.8	7,054.2	32,071.3
														TOTAL DELIVERIES			43,847.6
														2,565.8	2,363.1	2,249.3	43,847.6
														2,249.3	3,101.7	3,891.5	43,847.6
														4,334.2	5,644.7	5,644.7	43,847.6
														5,644.7	4,418.4	4,418.4	43,847.6
														5,482.4	4,446.9	2,756.7	43,847.6
														4,446.9	2,593.0	43,847.6	

FY 2018-19 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
<u>WATER SALES - O&M</u>			
1 PRIMES without Subcharges	35,509.3	578.85	20,554,528
2 OTHER AGENCY CUSTOMERS	920.5	1,061.11	976,788
3 MARIN MUNICIPAL (OFF-PEAK)	4,300.0	758.02	3,259,468
4 MARIN MUNICIPAL (SUPPLEMENTAL)	968.1	758.02	733,829
5 SURPLUS CUSTOMERS	69.7	722.64	50,367
TOTAL WATER SALES - O&M	41,767.7	N/A	\$25,574,980

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
<u>WATER SALES - Sub-charges</u>			
1a Water Management Planning Sub-charge [4.13]	41,767.7	1.00	41,772
1b Watershed Planning/Restoration Sub-charge [4.14]	41,767.7	91.07	3,803,958
1c Recycled Water & Local Supply Sub-charge [4.15]	41,767.7	2.92	122,000
1d Water Conservation Sub-charge [4.16]	41,767.7	45.16	1,886,222
TOTAL WATER SALES - Subcharges	41,767.7	N/A	\$5,853,952

FY 2018-19 BUDGET

Water Transmission System Agency Fund

SANTA ROSA AQUEDUCT ESTIMATED WATER DELIVERIES AND WATER SALES - O&M plus Surcharges

REVENUE CATEGORY	ESTIMATED ACRE FEET DELIVERED	ESTIMATED RATES	ESTIMATED REVENUE
WATER SALES - O&M			
1 SANTA ROSA AQUEDUCT	16,674.9	578.85	9,652,216

Sub-Object 4175, 4176, 4177, and 4178

REVENUE CATEGORY	ESTIMATED ACRE FEET DELIVERED	ESTIMATED RATES	ESTIMATED REVENUE
WATER SALES - Sub-charges			
1a Water Management Planning Sub-charge [4.13]	16,674.9	1.00	16,677
1b Watershed Planning/Restoration Sub-charge [4.14]	16,674.9	91.07	1,518,650
1c Recycled Water & Local Supply Sub-charge [4.15]	16,674.9	2.92	48,706
1d Water Conservation Sub-charge [4.16]	16,674.9	45.16	753,034
TOTAL WATER SALES - Subcharges	16,674.9	N/A	\$2,337,067

REVENUE CATEGORY	ESTIMATED ACRE FEET DELIVERED	ESTIMATED RATES	ESTIMATED REVENUE
CAPITAL CHARGES			
Aqueduct Facilities Capital Charges [4.6 e]	16,674.9	19.50	325,160
BOND AND LOAN CAPITAL CHARGES			
Storage Facilities Capital Charge [4.7]	16,674.9	41.04	684,351
Common Facilities Capital Charge [4.8]	16,674.9	98.34	1,639,744
Sonoma Aqueduct Facilities Capital Charges [4.6 b]	16,674.9	0.00	0
TOTAL WATER SALES - Capital & Bond and Loan Charges	16,674.9	N/A	\$2,649,255

TOTAL ESTIMATED REVENUE

\$14,638,538

FY 2018-19 BUDGET

Water Transmission System Agency Fund

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

REVENUE CATEGORY	ESTIMATED ACRE FEET DELIVERED	ESTIMATED RATES	ESTIMATED REVENUE
<u>WATER SALES - O&M</u>			
1 PETALUMA AQUEDUCT	21,012.5	578.85	12,163,056

Sub-Object 4175, 4176, 4177, and 4178

REVENUE CATEGORY	ESTIMATED ACRE FEET DELIVERED	ESTIMATED RATES	ESTIMATED REVENUE
<u>WATER SALES - Sub-charges</u>			
1a Water Management Planning Sub-charge [4.13]	21,012.5	1.00	21,015
1b Watershed Planning/Restoration Sub-charge [4.14]	21,012.5	91.07	1,913,698
1c Recycled Water & Local Supply Sub-charge [4.15]	21,012.5	2.92	61,376
1d Water Conservation Sub-charge [4.16]	21,012.5	45.16	948,922
TOTAL WATER SALES - Subcharges	21,012.5	N/A	\$2,945,011

REVENUE CATEGORY	ESTIMATED ACRE FEET DELIVERED	ESTIMATED RATES	ESTIMATED REVENUE
<u>CAPITAL CHARGES</u>			
Aqueduct Facilities Capital Charges [4.6 e]	21,012.5	19.50	409,744
<u>BOND AND LOAN CAPITAL CHARGES</u>			
Storage Facilities Capital Charge [4.7]	21,012.5	41.04	862,372
Common Facilities Capital Charge [4.8]	21,012.5	98.34	2,066,292
Sonoma Aqueduct Facilities Capital Charges [4.6 b]	21,012.5	0.00	0
TOTAL WATER SALES - Capital & Bond and Loan Charges	21,012.5	N/A	\$3,338,408

TOTAL ESTIMATED REVENUE

\$18,446,475

FY 2018-19 BUDGET
Water Transmission System Agency Fund
SONOMA AQUEDUCT ESTIMATED WATER DELIVERIES AND WATER SALES - O&M plus Surcharges

REVENUE CATEGORY	ESTIMATED ACRE FEET DELIVERED	ESTIMATED RATES	ESTIMATED REVENUE
WATER SALES - O&M			
1 SONOMA AQUEDUCT	3,706.8	578.85	2,145,678

Sub-Object 4175, 4176, 4177, and 4178

REVENUE CATEGORY	ESTIMATED ACRE FEET DELIVERED	ESTIMATED RATES	ESTIMATED REVENUE
WATER SALES - Sub-charges			
1a Water Management Planning Sub-charge [4.13]	3,706.8	1.00	3,707
1b Watershed Planning/Restoration Sub-charge [4.14]	3,706.8	91.07	337,594
1c Recycled Water & Local Supply Sub-charge [4.15]	3,706.8	2.92	10,827
1d Water Conservation Sub-charge [4.16]	3,706.8	45.16	167,399
TOTAL WATER SALES - Subcharges	3,706.8	N/A	\$519,527

REVENUE CATEGORY	ESTIMATED ACRE FEET DELIVERED	ESTIMATED RATES	ESTIMATED REVENUE
CAPITAL CHARGES			
Aqueduct Facilities Capital Charges [4.6 e]	3,706.8	0.00	0
BOND AND LOAN CAPITAL CHARGES			
Storage Facilities Capital Charge [4.7]	3,706.8	41.04	152,131
Common Facilities Capital Charge [4.8]	3,706.8	98.34	364,513
Sonoma Aqueduct Facilities Capital Charges [4.6 b]	3,706.8	142.68	528,885
TOTAL WATER SALES - Capital & Bond and Loan Charges	3,706.8	N/A	\$1,045,529

TOTAL ESTIMATED REVENUE

\$3,710,734

**FY 2018-19 BUDGET
BEGINNING AND ENDING CASH SUMMARY**

Section Title:

Water Transmission System Agency Fund

Section/Fund No:

44205

Account Title	Actual 2016-2017	Estimated 2017-2018	Adopted 2017-2018	Requested 2018-19	Difference	Percent Change
BEGINNING FUND BALANCE	4,459,322	4,901,253		1,834,429		

REVENUES

USE OF MONEY / PROPERTY

44002 Interest on Pooled Cash	102,682	64,350	64,350	64,350	0	0.00%
44003 Other Interest Earnings	0	0	0	0	0	N/A
44050 Unrealized Gains & Losses	(48,945)	0	0	0	0	N/A
44109 Concessions	0	0	0	0	0	N/A
44101 Rent - Real Estate	0	0	0	0	0	N/A
SUBTOTAL	53,737	64,350	64,350	64,350	0	0.00%

INTERGOVERNMENTAL REVENUES

42358 State Other Funding	0	0	0	0	0	N/A
42461 Federal Other Funding	41,363	(41,363)	0	0	0	N/A
42610 Other Governmental Agencies	350,000	49,277	0	0	0	N/A
42621 North Marin Water District	0	0	0	0	0	N/A
42701 Revenue Appl - PY Intergovmtl	0	0	0	0	0	N/A
SUBTOTAL	391,363	7,913	0	0	0	N/A

MISCELLANEOUS REVENUES

46021 Capital Grants - Federal	0	0	0	0	0	N/A
46027 Insurance Claims Reimbursement	222,627	0	0	0	0	N/A
46029 Donations/Contributions	0	0	0	0	0	N/A
46040 Miscellaneous Revenue	63,709	1,000	0	0	0	N/A
46041 Discounts Earned	370	350	0	0	0	N/A
46050 Cancelled/Stale Dated Warrants	0	1,000	0	0	0	N/A
46200 Revenue Appl PY Misc Revenue	3,272	22,000	0	0	0	N/A
46205 PY Revenue – Charges for Servi	0	0	0	0	0	N/A
46215 Other Grants	0	0	0	0	0	N/A
SUBTOTAL	289,978	24,350	0	0	0	N/A

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	23,820	9,925	20,000	0	(20,000)	(100.00%)
45301 Charges for Services	58,231	0	0	0	0	N/A
45314 Sale - Power	210,280	200,000	600,000	100,000	(500,000)	(83.33%)
45315 Sale - Water, Wholesale	22,612,209	24,947,139	24,947,139	25,574,980	627,841	2.52%
45316 Water Conservation	1,731,855	1,814,050	1,814,050	1,886,222	72,172	3.98%
45323 Common Fac Rev Bond Chg	1,804,511	2,348,686	2,348,686	3,365,157	1,016,471	43.28%
45324 Storage Fac Rev Bond Chg	1,083,794	1,277,939	1,277,939	1,283,085	5,146	0.40%
45325 Sonoma Aqueduct Rev Bond Chg	264,531	303,087	303,087	528,885	225,798	74.50%
45327 Santa Rosa Aqueduct Cap Chg	483,812	386,429	386,429	407,973	21,544	5.58%
45328 Petaluma Aqueduct Cap Chg	239,414	250,281	250,281	225,359	(24,922)	(9.96%)
45329 Sonoma Aqueduct Cap Chg	126,812	113,609	113,609	0	(113,609)	(100.00%)
45330 North Marin Rev Bond Chg	252,063	290,988	290,988	290,814	(174)	(0.06%)
45331 Water Mgmt Plan/Restore Chg	125,480	130,000	130,000	41,772	(88,228)	(67.87%)

Section Title:

Water Transmission System Agency Fund

Section/Fund No:

44205

Account Title	Actual 2016-2017	Estimated 2017-2018	Adopted 2017-2018	Requested 2018-19	Difference	Percent Change
45332 Watershed Plan/Restore Chg	3,414,580	3,581,000	3,581,000	3,803,958	222,958	6.23%
45333 Recycled Water & Local Supply	676,463	415,000	415,000	122,000	(293,000)	(70.60%)
45401 Revenue Appl PY Chgs for Svcs	(16,135)	0	0	0	0	N/A
SUBTOTAL	33,091,721	36,068,133	36,478,208	37,630,205	1,151,997	3.16%
OTHER FINANCING SOURCES						
47002 Sale of Capital Assets	48	0	0	0	0	N/A
47101 Transfers In - within a Fund	0	0	0	0	0	N/A
47102 Transfers In - btw Govtl Funds	0	0	0	0	0	N/A
SUBTOTAL	48	0	0	0	0	0
TOTAL REVENUES	33,826,847	36,164,746	36,542,558	37,694,555	1,151,997	3.15%

EXPENDITURES**SERVICES AND SUPPLIES**

51031 Waste Disposal Services	0	4,000	4,000	3,000	(1,000)	(25.00%)
51032 Janitorial Services	6,240	4,000	4,000	6,000	2,000	50.00%
51061 Maintenance - Equipment	916,135	1,697,000	1,247,000	993,000	(254,000)	(20.37%)
51071 Maintenance - Bldg & Improve	2,102	0	0	0	0	N/A
51072 Landscaping Services	0	0	0	0	0	N/A
51077 Maint-Infrastructure	0	0	0	0	0	N/A
51205 Advertising/Marketing Svc	476	4,000	4,000	500	(3,500)	(87.50%)
51209 Information Tech Svc (non ISD)	959	4,000	4,000	1,500	(2,500)	(62.50%)
51211 Legal Services	16,756	10,000	10,000	12,000	2,000	20.00%
51212 Outside Counsel - Legal Advice	4,532	8,000	8,000	4,500	(3,500)	(43.75%)
51214 Agency Extra/Temp Help	0	1,000	1,000	1,000	0	0.00%
51226 Consulting Services	0	0	0	0	0	N/A
51230 Security Services	1,813	1,100	0	4,320	4,320	N/A
51231 Testing/Analysis	124,502	130,000	130,000	135,000	5,000	3.85%
51241 Outside Printing and Binding	643	3,000	3,000	2,000	(1,000)	(33.33%)
51244 Permits/License/Fees	92,609	50,000	50,000	60,000	10,000	20.00%
51249 Other Professional Services	0	0	0	0	0	N/A
51301 Publications and Legal Notices	0	0	0	0	0	N/A
51401 Rents and Leases - Equipment	380,303	360,000	155,000	400,000	245,000	158.06%
51421 Rents and Leases - Bldg/Land	1,432	2,000	2,000	1,500	(500)	(25.00%)
51601 Training Services	12,636	12,000	12,000	14,000	2,000	16.67%
51602 Business Travel/Mileage	1,297	5,000	15,000	5,000	(10,000)	(66.67%)
51605 Private Car Expense	1,498	1,000	1,000	1,500	500	50.00%
51801 Other Services	14,307	18,000	18,000	16,000	(2,000)	(11.11%)
51803 Other Contract Services	1,288,026	4,169,689	1,389,080	1,648,580	259,500	18.68%
51902 Telecommunication Usage	87,872	90,000	90,000	90,000	0	0.00%
51911 Mail Services	231	0	0	300	300	N/A
51917 District Operations Chgs	14,352,177	13,500,000	13,900,000	14,500,000	600,000	4.32%
51921 Equipment Usage Charges	870,802	750,000	650,000	900,000	250,000	38.46%
52021 Clothing, Uniforms, Personal	13,060	10,000	10,000	13,000	3,000	30.00%
52031 Food	4,928	700	700	700	0	0.00%
52042 Janitorial Supplies	1,899	4,000	4,000	2,000	(2,000)	(50.00%)
52061 Fuel/Gas/Oil	2,806	10,000	10,000	9,000	(1,000)	(10.00%)

Section Title:

Water Transmission System Agency Fund

Section/Fund No:

44205

Account Title	Actual 2016-2017	Estimated 2017-2018	Adopted 2017-2018	Requested 2018-19	Difference	Percent Change
52071 Materials and Supplies Expense	1,552	120,000	180,000	3,000	(177,000)	(98.33%)
52072 Chemicals	679,601	675,000	600,000	690,000	90,000	15.00%
52081 Medical/Laboratory Supplies	24,737	25,000	25,000	25,000	0	0.00%
52091 Memberships/Certifications	43,967	45,000	45,000	45,000	0	0.00%
52101 Other Supplies	14,664	20,000	40,000	10,000	(30,000)	(75.00%)
52111 Office Supplies	9,804	10,000	10,000	10,000	0	0.00%
52115 Books/Media/Subscriptions	1,596	1,500	1,000	1,500	500	50.00%
52117 Mail and Postage Supplies	3,036	3,000	3,000	3,000	0	0.00%
52141 Minor Equipment/Small Tools	178,378	140,000	140,000	180,000	40,000	28.57%
52142 Computer Equipment/Accessories	1,021	7,000	7,000	6,000	(1,000)	(14.29%)
52143 Computer Software/Licensing Fees	19,423	30,000	22,000	30,000	8,000	36.36%
52162 Special Department Expense	0	0	0	0	0	N/A
52171 Water Conservation Program	0	0	0	0	0	N/A
52191 Utilities	585	500	500	500	0	0.00%
52193 Utilities - Electric	3,530,069	3,200,000	3,200,000	3,300,000	100,000	3.13%
SUBTOTAL	22,708,475	25,125,489	21,995,280	23,128,400	1,133,120	5.15%
OTHER CHARGES						
53103 Interest on LT Debt	0	0	0	0	0	N/A
53104 Other interest Expense	(18)	0	0	0	0	N/A
53401 Amortization Expense	213,606	241,500	241,500	241,500	0	0.00%
53402 Depreciation Expense	5,797,348	7,428,900	7,428,900	7,342,500	(86,400)	(1.16%)
53403 Loss - Disposed Capital Asset	30,272	0	0	0	0	N/A
53500 Contributions Non-County Agy	500	0	0	0	0	N/A
53501 Contributions	0	0	0	0	0	N/A
53610 Other Charges	36,888	0	0	0	0	N/A
SUBTOTAL	6,078,596	7,670,400	7,670,400	7,584,000	(86,400)	(1.13%)
FIXED ASSETS						
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	0	0	0	0	0	N/A
19840 Work in Progress - Eq	146,841	150,000	0	0	0	N/A
19841 Work in Progress - Intang	104,340	136,000	135,000	160,000	25,000	18.52%
19851 Intangible Assets - Non-amort	0	0	0	0	0	N/A
SUBTOTAL	251,181	286,000	135,000	160,000	25,000	18.52%
OTHER FINANCING USES						
57011 Transfers Out - within a Fund	10,228,021	13,820,081	13,697,081	13,621,037	(76,044)	(0.56%)
57012 Transfers Out - btw Govtl Fund	0	0	0	0	0	N/A
SUBTOTAL	10,228,021	13,820,081	13,697,081	13,621,037	(76,044)	(0.56%)
APPROP. FOR CONTINGENCIES						
55011 Appropriation for Contingency	0	0	0	0	0	N/A
SUBTOTAL	0	0	0	0	0	N/A

Section Title:

Water Transmission System Agency Fund

Section/Fund No:

44205

Account Title	Actual 2016-2017	Estimated 2017-2018	Adopted 2017-2018	Requested 2018-19	Difference	Percent Change
REMIBURSEMENTS						
58010 Reimb. - General	0	0	0	0	0	N/A
SUBTOTAL	0	0	0	0	0	N/A
ADMIN. CONTROL ACCOUNT						
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
TOTAL EXPENDITURES	39,266,273	46,901,970	43,497,761	44,493,437	995,676	2.29%
Adjustments to Reserves/Encumbrances:						
Depreciation	6,010,955	7,670,400		7,584,000		
Outstanding Encumbrances - Net Change	(208,797)	0				
Capitalized Interest	(18)					
Gain/Loss on disposal of fixed assets	30,272					
Unrealized Gain/ Loss (GASB 31)	48,945					
Change in Prudent Reserve						
Post audit adjustments - Payables	0					
Rounding	1					
ENDING FUND BALANCE	4,901,253	1,834,429		2,619,546		

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

5,822,100
(3,202,554)

Water Transmission System Agency Fund
Major Services & Supplies Expenditure Items

Section/Fund No:

44205

	Actual FY16-17	Adopted FY17-18	Requested FY18-19	Difference	Percent Change
<u>51061 Maintenance - Equipment</u>	916,135	1,247,000	993,000	(254,000)	-20.4%
Budget is aligned more closely with Fiscal Year 2016-2017 actuals.					
<u>51211 Legal Services</u>	16,756	10,000	12,000	2,000	20.0%
Reflects level of expected expenditures.					
<u>51231 Testing/Analysis</u>	124,502	130,000	135,000	5,000	3.8%
Increase due to slightly higher water deliveries and corresponding need for laboratory testing and analysis.					
<u>51803 Other Contract Services</u>	1,288,026	1,389,080	1,648,580	259,500	18.7%
Increase due to flood and fire-related water quality studies, Russian River embankment repairs, and ongoing large non-routine maintenance projects.					
<u>51917 District Operations Chgs</u>	14,352,177	13,900,000	14,500,000	600,000	4.3%
Increase attributable to a) 3% cost of living increase in Fiscal Year 2017-2018 after water transmission budget was approved, and b) additional labor for flood and fire-related water quality studies and Russian River embankment repairs, and ongoing large non-routine maintenance projects.					
<u>51921 Equipment Usage Charges</u>	870,802	650,000	900,000	250,000	38.5%
Reflects level of expected expenditures.					
<u>52072 Chemicals</u>	679,601	600,000	690,000	90,000	15.0%
Expected to increase \$10,000 over Fiscal Year 2016-2017 actuals, and \$15,000 over Fiscal Year 2017-18 estimated actuals. Increase in deliveries results in an increase in treatment costs. Fiscal Year 2017-2018 budget underestimated treatment costs.					
<u>52141 Minor Equipment/Small Tools</u>	178,378	140,000	180,000	40,000	28.6%
Increase to align more closely with Fiscal Year 2016-2017 actuals.					
<u>52193 Utilities - Electric</u>	3,530,069	3,200,000	3,300,000	100,000	3.1%
Expected to decrease \$230,000 over Fiscal Year 2016-2017 actuals (\$3.53 million) but increase \$100,000 over Fiscal Year 2017-2018 budget due to increased pumping from slightly higher water deliveries.					

2018-19

Water Transmission System Agency Fund

51061	Maintenance - Equipment	AMOUNT
1	Chlorine Gas Detection	25,000
2	Collector 6 Chlorine Lines Maintenance	-
3	Collector 4 Chlorine Lines Maintenance	100,000
4	Eldridge Booster Station Decommission	25,000
5	Electrical Supplies and Maintenance Services	355,000
6	Hardware and Miscellaneous Supplies	50,000
7	Mirabel Chlorine Building Water Lines Replacement	100,000
8	Pump and Pipeline Supplies and Maintenance Services	40,000
9	Riverfront Park Erosion Repairs	200,000
10	Santa Rosa Plain Well Monitoring Program (SCWA Wells)	15,000
11	Wohler Road RR Fiber Optic Cable Relocation	68,000
12	WT Monitoring Well Pressure Transducers	15,000
		<u>\$ 993,000</u>

51803	Other Contract Services	AMOUNT
1	Aqueduct Condition Assessments	100,000
2	BAIRWMP	30,000
3	Cathodic Protection - Petaluma AQ	80,000
4	Community Outreach Program	7,500
5	Groundwater Banking Feasibility - Pilot Studies	75,000
6	Invasive Mussel Program	60,000
7	Legislative Advocacy - Federal	95,000
8	Legislative Advocacy - State	33,000
9	Maximo Hosting	68,280
10	Methodologies-Peak Demand Supply	15,000
11	NCIRWMP	35,000
12	No Bay Reg Wtr Supply Resiliency Study	200,000
13	Riverbank Filtration Studies - USGS	50,000
14	Riverfront Park Maintenance	120,300
15	Russian River Wtrshed Coupled Surface Wtr/GW Model	82,500
16	Sonoma Youth Ecology Corps	32,000
17	Tank Recoat - Cotati	25,000
18	Tank Recoat - Forestville	15,000
19	Tank Recoat - Kastania	175,000
20	Water Quality Studies - LBNL	175,000
21	Water Quality Studies - USGS	175,000
		<u>\$ 1,648,580</u>

51803 Other Contract Services Project Information

FY18-19

Aqueduct Condition Assessments

This program is evaluating technologies and approaches to assess the integrity of the water transmission system pipelines. A variety of inspection technologies have been evaluated with pilot-testing conducted in sections of the Santa Rosa Aqueduct, Sonoma Aqueduct, and Oakmont Pipeline. In the upcoming year, additional inspections are planned, as well as the development of a system-wide inspection plan to define and prioritize pipeline inspection projects.

\$100,000

Cathodic Protection - Petaluma AQ

During the FY of 18/19, the water agency will be installing 14 Test stations along the Petaluma AQ and 7 Rectifier locations. The test stations and rectifier locations will allow the Water Agency to protect and monitor the status of the pipeline. Funds expected to be expended in FY 18-19 are for construction change orders.

\$80,000

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. An ASR Pilot Study is planned to be initiated in Sonoma Valley in 2018 in partnership with the City of Sonoma utilizing previously budgeted funds from FY 15/16 and 16/17. A work plan and permit application packet for the ASR Pilot Study were submitted to the San Francisco Bay Regional Water Quality Control Board for review and approval in December 2017. Pending the success in demonstrating the feasibility of ASR, an additional pilot or subsequent testing of the existing pilot (as needed) would be planned for the Santa Rosa Plain or Sonoma Valley.

\$75,000

Funds expected to be expended in FY 18/19 would initiate the planning and permitting for subsequent ASR Pilot Study testing in either the Santa Rosa Plain or Sonoma Valley.

Methodologies-Peak Demand Supply

An updated Water Supply Allocation model was prepared in 2013 by Brown & Caldwell for the Water Agency and its Contractors. The updated model was temporarily approved and accepted by the Contractors through June 2015 to provide the city of Petaluma time to resolve several issues city staff had raised regarding model assumptions. These issues have now been resolved, however, the agreement with Brown and Caldwell has expired and there is no funding for finalizing the model. Furthermore, the updated model was prepared almost 4 years ago and several of the assumptions should be updated based on new information in both the Water Agency's and Water Contractor's 2015 UWMPs.

\$15,000

Funds to be expended in FY 18/19 will be used to: (1) update model assumptions; and (2) present the updated model to the Water Agency's Board of Directors and request adoption.

No Bay Reg Wtr Supply Resiliency Study

Retail water providers to over 600,000 people in Sonoma and Marin Counties are regionally connected through existing water supply infrastructure. Along with purchasing wholesale water from the Sonoma County Water Agency, each retail provider also has local supplies which are used to meet the demands of their customers. Although these systems are connected, they are not operated or managed in a coordinated manner, especially in times of water shortage. Development of a decision support tool, such as a regional Water Evaluation and Planning System (WEAP) model, could be used to evaluate strategies and water supply projects that would make the region more resilient to future water shortages.

\$200,000

Funds expended in FY 17/18 will be used to develop a work plan in cooperation with the Water Agency's Water Contractors. Funds budgeted for FY 18/19 will be expended on building the model and running scenarios.

Riverbank Filtration Studies - USGS

USGS will continue ongoing work Evaluating *Cryptosporidium parvum* oocyst removal and fate in Russian River bottom sediments at the Water Agency's riverbank filtration facilities. This includes performing coupled field scale-laboratory studies to evaluate pathogen (oocysts) and pathogen surrogate (aerobic spore forming bacteria; cyanobacteria, bacteria-specific virus) removal and decay as a function of water quality changes and riverbank filtration sediment alteration(s).

\$50,000

51803 Other Contract Services Project Information
Russian River Wtrshed Coupled Surface Wtr/GW Model

The primary objectives of this project are to: 1) refine the understanding of the Russian River Watershed hydrologic system based on an analysis of new and available field data; and 2) develop a coupled watershed/groundwater-flow model for the Russian River Watershed that will facilitate improved management of the region's water resources.

This study will assist the Water Agency, the State Board, and other stakeholders to better understand the potential impacts of increasing groundwater demand on water levels and in developing strategies for efficient surface-water/groundwater management. The project will be performed over the next four years starting in FY 17/18 and is being funded by the State Water Resources Control Board, the United States Geological Survey, the Water Agency, the County of Mendocino, Mendocino County Russian River Flood Control & Water Conservation Improvement District and Redwood Valley County Water District. The water transmission system project cost share is approximately 15% of the \$1.6 M total project cost.

\$82,500

Water Quality Studies - LBNL

LBNL has developed and tested a numerical model that could simulate biological-physical feedbacks in the hyporheic zone and groundwater system at Wohler. LBNL used the model to explore different initial conditions in terms of dissolved organic carbon (DOC) availability, sediment characteristics, mineralogy, and stochastic variability in aerobic and anaerobic conditions induced through water table fluctuations. LBNL results show the fate of DOC, the potential suite of microbial behaviors that benefit water reaching the Wohler wells, and that the riverbed sediments and the cumulative effect of water table conditions can change system functionality and filtration efficacy. Funds to be expended in FY 18/19 will be used to: 1) help launch the water quality sampling program to assess potential impacts to the Water Agency's drinking water facilities resulting from the recent wildfire activity, 2) conduct spatial and temporal water quality analysis at the Wohler, Mirabel, and larger watershed scale. 3) assess impacts of hyporheic processing, microbial community dynamics from upstream to downstream that may change infiltration quantity/quality arriving at Wohler, and eventually the wells, 4) extend reactive transport modeling capabilities across a watershed-scale, network-based lumped flow+reactive transport model, and 5) provide subsurface flow, reactive transport, and microbial modeling capabilities for the USGS experimental laboratory microcosms to analyze the effect of fire ash leachate on groundwater quality and potential implications to Wohler infiltration.

\$175,000

DRAFT

**FY 2018-19 BUDGET
BEGINNING AND ENDING CASH SUMMARY**

Section Title: Water Management Planning

Section/Fund No: 44210

Account Title	Actual 2016-2017	Estimated 2017-2018	Adopted 2017-2018	Requested 2018-19	Difference	Percent Change
BEGINNING FUND BALANCE	271,349	403,626		519,258		
REVENUES						
USE OF MONEY / PROPERTY						
44002 Interest on Pooled Cash	4,639	3,003	3,003	3,003	0	0.00%
44050 Unrealized Gains and Losse:	(2,538)	0	0	0	0	N/A
SUBTOTAL	2,102	3,003	3,003	3,003	0	0.00%
INTERGOVERNMENTAL REVENUE						
42619 Town of Windsor	8,333	7,628	7,628	2,432	(5,196)	(68.11%)
SUBTOTAL	8,333	7,628	7,628	2,432	(5,196)	(68.11%)
OTHER FINANCING SOURCES						
47101 Transfers In - within a Fund	125,480	130,000	130,000	41,772	(88,228)	(67.87%)
47102 Transfers In - btw Govtl Func	0	0	0	0	0	N/A
SUBTOTAL	125,480	130,000	130,000	41,772	(88,228)	(67.87%)
TOTAL REVENUES	135,914	140,631	140,631	47,207	(93,424)	(66.43%)
EXPENDITURES						
SERVICES AND SUPPLIES						
51205 Advertising Marketing	0	0	0	0	0	N/A
51211 Legal Services	127	0	0	0	0	N/A
51212 Legal Services - External	0	0	0	0	0	N/A
51241 Outside Printing & Binding	0	0	0	0	0	N/A
51602 Business Travel/Mileage	0	0	0	0	0	N/A
51605 Private Car Expense	0	0	0	0	0	N/A
51803 Other Contract Services	12,303	20,000	20,000	20,000	0	0.00%
51917 District Operations Chgs	6,049	5,000	5,000	5,000	0	0.00%
51921 Equipment Usage Charges	0	0	0	0	0	N/A
52171 Water Conservation Program	0	0	0	0	0	N/A
SUBTOTAL	18,479	25,000	25,000	25,000	0	0.00%
OTHER CHARGES						
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
OTHER FINANCING USES						
57011 Transfers Out - within a Func	0	0	0	0	0	N/A
57012 Transfers Out - btw Govtl Fu	0	0	0	0	0	N/A
SUBTOTAL	0	0	0	0	0	N/A
TOTAL EXPENDITURES	18,479	25,000	25,000	25,000	0	0.00%
Adjustments to Reserves/Encumbrances:						
Outstanding Encumbrances - Net Change	12,303	0		0		
Audit Adjustment (A/P)	0	0		0		
Unrealized Gain/ Loss (GASB 31)	2,538	0		0		
Rounding	1	0		0		
ENDING FUND BALANCE	403,626	519,258		541,465		

**FY 2018-19 BUDGET
BEGINNING AND ENDING CASH SUMMARY**

Section Title: Watershed Planning/Restoration

Section/Fund No: 44215

Account Title	Actual 2016-2017	Estimated 2017-2018	Adopted 2017-2018	Requested 2018-19	Difference	Percent Change
BEGINNING FUND BALANCE	2,912,687	4,450,539		2,821,516		
REVENUES						
USE OF MONEY / PROPERTY						
44002 Interest on Pooled Cash	79,072	50,000	25,740	25,740	0	0.00%
44050 Unrealized Gains and Losses	(40,726)	0	0	0	0	N/A
SUBTOTAL	38,345	50,000	25,740	25,740	0	0.00%
INTERGOVERNMENTAL REVENUE						
42461 Federal Other Funding	150,081	(11,012)	0	0	0	N/A
42619 Town of Windsor	224,901	210,127	210,127	221,493	11,365	5.41%
SUBTOTAL	374,982	199,116	210,127	221,493	11,365	5.41%
MISCELLANEOUS REVENUE						
46021 Capital Grants - Federal	0	0	0	0	0	N/A
46029 Donations/Contributions	0	0	0	0	0	N/A
46040 Miscellaneous Revenue	312	0	0	0	0	N/A
46041 Discounts Earned	5	0	0	0	0	N/A
46050 Cancelled/Stale Dated Warrant	0	0	0	0	0	N/A
46200 Revenue Appl PY Misc Reven	150	1,200	0	0	0	N/A
SUBTOTAL	467	1,200	0	0	0	N/A
OTHER FINANCING SOURCES						
47101 Transfers In - within a Fund	3,414,580	3,581,000	3,581,000	3,803,958	222,958	6.23%
47102 Transfers In - btw Govtl Funds	0	0	0	0	0	N/A
SUBTOTAL	3,414,580	3,581,000	3,581,000	3,803,958	222,958	6.23%
TOTAL REVENUES	3,828,374	3,831,316	3,816,867	4,051,191	234,323	6.14%
EXPENDITURES						
SERVICES AND SUPPLIES						
51021 Communication Expense	0	0	0	0	0	N/A
51061 Maintenance - Equipment	4,327	6,000	0	0	0	N/A
51205 Advertising Marketing	21,669	0	0	0	0	N/A
51209 Information Tech Svc (non ISD	173	175	0	0	0	N/A
51211 Legal Services	28,109	10,000	0	0	0	N/A
51212 Legal Services - External	6,629	7,000	0	0	0	N/A
51221 Medical/Laboratory Services	21,274	0	0	0	0	N/A
51226 Consulting Services	0	0	0	0	0	N/A
51231 Testing/Analysis	44,144	44,000	0	0	0	N/A
51241 Outside Printing and Binding	15,484	0	0	0	0	N/A
51244 Permits/License/Fees	25,365	0	0	0	0	N/A
51401 Rents and Leases - Equipment	9,636	10,000	0	0	0	N/A
51601 Training/Conference	168	100	0	0	0	N/A
51602 Business Travel/Mileage	206	0	0	0	0	N/A
51605 Private Car Expense	278	100	0	0	0	N/A
51801 Other Services	0	0	0	0	0	N/A
51803 Other Contract Services	785,047	2,824,884	1,163,000	913,000	(250,000)	(21.50%)
51902 Telecommunication Usage	245	250	0	0	0	N/A
51917 District Operations Chgs	1,715,684	2,232,000	3,024,000	2,483,000	(541,000)	(17.89%)
51921 Equipment Usage Charges	21,142	22,000	0	0	0	N/A
52021 Clothing, Uniforms, Personal	2,246	2,300	0	0	0	N/A
52031 Food	2,440	0	0	0	0	N/A

Section Title:

Watershed Planning/Restoration

Section/Fund No:

44215

Account Title	Actual 2016-2017	Estimated 2017-2018	Adopted 2017-2018	Requested 2018-19	Difference	Percent Change
52042 Janitorial Supplies	0	200	0	0	0	N/A
52043 Safety Supplies/Equipment	0	0	0	0	0	N/A
52061 Fuel/Gas/Oil	15	0	0	0	0	N/A
52063 Vehicle Parts	0	0	0	0	0	N/A
52071 Materials and Supplies Expens	1,201	1,200	0	0	0	N/A
52081 Medical/Laboratory Supplies	1,046	1,100	0	0	0	N/A
52091 Memberships/Certifications	2,500	0	0	0	0	N/A
52101 Other Supplies	1,838	0	0	0	0	N/A
52111 Office Supplies	53	0	0	0	0	N/A
52114 Freight/Postage	0	0	0	0	0	N/A
52115 Books/Media	1,334	0	0	0	0	N/A
52117 Mail and Postage Supplies	611	2,000	0	0	0	N/A
52141 Minor Equipment/Small Tools	2,794	3,000	0	0	0	N/A
52143 Computer Software	0	0	0	0	0	N/A
52181 Business Meals/Supplies	0	0	0	0	0	N/A
52191 Utilities Expense		30				
SUBTOTAL	2,715,658	5,166,339	4,187,000	3,396,000	(791,000)	(18.89%)
OTHER CHARGES						
53104 Other Interest Expense	0	0	0	0	0	N/A
53402 Depreciation Expense	7,721	10,000	0	8,000	8,000	N/A
53501 Contributions	0	0	0	0	0	N/A
SUBTOTAL	7,721	10,000	0	8,000	8,000	N/A
REIMBURSEMENTS						
58010 Reimb. - General	0	0	0	0	0	N/A
SUBTOTAL	0	0	0	0	0	N/A
FIXED ASSETS						
19840 Acq-WIP-Equipment	0	0	0	0	0	N/A
19841 Acq-WIP-Intangibles	75,219	294,000	294,000	0	(294,000)	N/A
19851 Intangible Assets - Non-amort	0	0	0	0	0	N/A
SUBTOTAL	75,219	294,000	294,000	0	(294,000)	(1)
OTHER FINANCING USES						
57011 Transfers Out - within a Fund	0	0	0	0	0	N/A
57012 Transfers Out - btw Govtl Fund	0	0	0	0	0	N/A
SUBTOTAL	0	0	0	0	0	N/A
TOTAL EXPENDITURES	2,798,598	5,470,339	4,481,000	3,404,000	(1,077,000)	(24.03%)
Adjustments to Reserves/Encumbrances:						
Outstanding Encumbrances - Net Change	459,629	0				
Capital Interest	0	0				
Depreciation	7,721	10,000				
Audit Adjustment (A/P)	0	0				
Unrealized Gain/ Loss (GASB 31)	40,726	0				
Rounding	0	0				
ENDING FUND BALANCE	4,450,539	2,821,516		3,468,706		

**FY 2018-19 BUDGET
BEGINNING AND ENDING CASH SUMMARY**

Section Title:

Recycled Water and Local Supply

Section/Fund No:

44220

Account Title	Actual 2016-2017	Estimated 2017-2018	Adopted 2017-2018	Requested 2018-19	Difference	Percent Change
BEGINNING FUND BALANCE	(63,538)	27,648		261,282		
REVENUES						
USE OF MONEY / PROPERTY						
44002 Interest on Pooled Cash	13,822	6,435	6,435	6,435	0	0.00%
44050 Unrealized Gains and Losses	(6,365)	0	0	0	0	N/A
SUBTOTAL	7,456	6,435	6,435	6,435	0	0.00%
INTERGOVERNMENTAL REVENUE						
42358 State Other Funding	34,130	200	0	0	0	N/A
42619 Town of Windsor	45,608	24,352	24,352	7,104	(17,248)	(70.83%)
SUBTOTAL	79,739	24,552	24,352	7,104	(17,248)	(70.83%)
CHARGES FOR SERVICES						
45301 Charges for Services	83,984	0	0	0	0	N/A
SUBTOTAL	83,984	0	0	0	0	0
MISCELLANEOUS REVENUE						
46022 Capital Grants-State	1,633	0	0	0	0	N/A
46029 Donations/Contributions	0	0	0	0	0	N/A
46200 Revenue Appl PY Misc Revenue	1,670	0	0	0	0	N/A
46029 Donations/Contributions	0	0	0	0	0	N/A
SUBTOTAL	3,303	0	0	0	0	N/A
OTHER FINANCING SOURCES						
47101 Transfers In - within a Fund	676,463	415,000	415,000	122,000	(293,000)	(70.60%)
47102 Transfers In - btw Govtl Funds	0	0	0	0	0	N/A
SUBTOTAL	676,463	415,000	415,000	122,000	(293,000)	(70.60%)
TOTAL REVENUES	850,944	445,987	445,787	135,539	(310,248)	(69.60%)
EXPENDITURES						
SERVICES AND SUPPLIES						
51021 Communication Expense	0	0	0	0	0	N/A
51061 Maintenance - Equipment	7,570	0	0	0	0	N/A
51205 Advertising/Marketing Svc	0	0	0	0	0	N/A
51209 Information Tech Svc (non ISD)	1,177	0	0	0	0	N/A
51211 Legal Services	635	2,000	0	0	0	N/A
51212 Legal Services - External	0	0	0	0	0	N/A
51226 Consulting Services	0	0	0	0	0	N/A
51241 Outside Printing and Binding	541	0	0	0	0	N/A
51244 Permits/License/Fees	1,955	1,000	0	0	0	N/A
51401 Rents and Leases - Equipment	503	0	0	0	0	N/A
51601 Training Services	1,937	1,000	0	0	0	N/A
51602 Business Travel/Mileage	10	0	0	0	0	N/A
51803 Other Contract Services	492,394	60,000	15,000	0	(15,000)	(100.00%)
51902 Telecommunication Usage	0	0	0	0	0	N/A
51915 ISD - Reprographics Services	0	0	0	0	0	N/A
51917 District Operations Chgs	501,250	100,000	100,000	0	(100,000)	(100.00%)
51921 Equipment Usage Charges	1,333	1,000	0	0	0	N/A
52031 Food	0	0	0	0	0	N/A

Section Title:

Recycled Water and Local Supply

Section/Fund No:

44220

Account Title	Actual 2016-2017	Estimated 2017-2018	Adopted 2017-2018	Requested 2018-19	Difference	Percent Change
52061 Fuel/Gas	0	0	0	0	0	N/A
52101 Other Supplies	0	0	0	0	0	N/A
52115 Books/Media/Subscriptions	0	0	0	0	0	N/A
52117 Mail and Postage Supplies	358	0	0	0	0	N/A
52141 Minor Equipment/Small Tools	0	0	0	0	0	N/A
52143 Computer Software/Licensing Fees	0	0	0	0	0	N/A
52171 Water Conservation Program		1,000				
SUBTOTAL	1,009,663	166,000	115,000	0	(115,000)	(100.00%)
OTHER CHARGES						
53103 Interest on LT Debt	0	0	0	0	0	N/A
53104 Other Interest Expense	(6,464)	0	0	0	0	N/A
53402 Depreciation Expense	0	12,000	0	12,000	12,000	N/A
53501 Contributions	0	0	0	110,000	110,000	N/A
SUBTOTAL	(6,464)	12,000	0	122,000	122,000	N/A
FIXED ASSETS						
19831 CIP - Bldg & Impr	0	0	0	0	0	N/A
19832 CIP - Infrastructure	(1,341)	0	0	0	0	N/A
19841 Work in Progress - Intang	9,180	10,000	0	0	0	N/A
SUBTOTAL	7,840	10,000	0	0	0	N/A
OTHER FINANCING USES						
57011 Transfers Out - within a Fund	0	0	0	0	0	N/A
57012 Transfers Out - btw Govtl Fund	0	0	0	0	0	N/A
SUBTOTAL	0	0	0	0	0	N/A
TOTAL EXPENDITURES	1,011,039	188,000	115,000	122,000	7,000	6.09%
Adjustments to Reserves/Encumbrances:						
Outstanding Encumbrances - Net Change	296,987	0				
Change in Windsor Reserve	(45,608)	(24,352)				
Capital Interest	(6,464)	0		0		
Audit Adjustment (A/P)	0	0		0		
Unrealized Gain/ Loss (GASB 31)	6,365	0		0		
Rounding	0	0				
ENDING FUND BALANCE	27,648	261,282		274,821		

**FY 2018-19 BUDGET
BEGINNING AND ENDING CASH SUMMARY**

Section Title: Water Conservation

Section/Fund No: 44225

Account Title	Actual 2016-2017	Estimated 2017-2018	Adopted 2017-2018	Requested 2018-19	Difference	Percent Change
BEGINNING FUND BALANCE	481,317	486,393		278,663		
REVENUES						
USE OF MONEY / PROPERTY						
44002 Interest on Pooled Cash	11,573	6,435	6,435	6,435	0	0.00%
44050 Unrealized Gains and Losses	(4,499)	0	0	0	0	N/A
SUBTOTAL	7,073	6,435	6,435	6,435	0	0.00%
INTERGOVERNMENTAL REVENUE						
42358 State Other Funding	117,056	332,800	26,250	185,250	159,000	605.71%
42461 Federal Other Funding	39,104	40,000	40,000	0	(40,000)	(100.00%)
42610 Other Governmental Agencies	(20,166)	0	0	0	0	N/A
42611 City of Santa Rosa	0	0	0	0	0	N/A
42612 City of Petaluma	0	2,000	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	114,077	106,446	106,446	109,829	3,383	3.18%
42621 North Marin Water District	0	0	0	0	0	N/A
SUBTOTAL	250,071	481,246	172,696	295,079	122,383	70.87%
Charges for Services						
45301 Charges for Services	66,635	50,000	0	0	0	N/A
SUBTOTAL	66,635	50,000	0	0	0	N/A
OTHER FINANCING SOURCES						
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	12,228	120,000	120,000	137,500	17,500	14.58%
46040 Miscellaneous Revenue	2,516	0	0	0	0	N/A
46041 Discounts Earned	6	0	0	0	0	N/A
46050 Cancelled/Stale Dated Warrants	0	0	0	0	0	N/A
46200 Revenue Appl PY Misc Revenue	7,161	0	0	0	0	N/A
46215 Other Grants	0	6,000	0	0	0	N/A
SUBTOTAL	21,911	126,000	120,000	137,500	17,500	14.58%
OTHER FINANCING SOURCES						
47101 Transfers In - within a Fund	1,731,855	1,814,050	1,814,050	1,886,222	72,172	3.98%
47102 Transfers In - btw Govtl Funds	0	0	0	0	0	N/A
SUBTOTAL	1,731,855	1,814,050	1,814,050	1,886,222	72,172	3.98%
TOTAL REVENUES	2,077,546	2,477,731	2,113,181	2,325,236	212,055	10.03%
EXPENDITURES						
SERVICES AND SUPPLIES						
51021 Communication Expense	0	0	0	0	0	N/A
51032 Janitorial Services	0	0	0	0	0	N/A
51061 Maintenance - Equipment	6,092	40,000	0	0	0	N/A
51205 Advertising/Marketing Svc	159,383	160,000	0	0	0	N/A
51209 Information Tech Svc (non ISD)	810	0	0	0	0	N/A
51211 Legal Services	318	1,000	0	0	0	N/A
51214 Agency Extra/Temp Help	0	0	0	0	0	N/A

Section Title:

Water Conservation

Section/Fund No:

44225

Account Title	Actual 2016-2017	Estimated 2017-2018	Adopted 2017-2018	Requested 2018-19	Difference	Percent Change
51225 Training Services	500	0	0	0	0	N/A
51230 Security Services	0	0	0	0	0	N/A
51241 Outside Printing and Binding	35,301	45,000	45,000	52,000	7,000	15.56%
51244 Permits/License	0	1,200	0	0	0	N/A
51249 Other Professional Services	0	0	0	0	0	N/A
51250 Planning/Mapping/Inspections	0	0	0	0	0	N/A
51301 Publications and Legal Notices	0	0	0	0	0	N/A
51401 Rents and Leases - Equipment	653	1,200	0	0	0	N/A
51601 Training Services	5,399	3,000	0	0	0	N/A
51602 Business Travel/Mileage	3,746	1,000	3,000	5,000	2,000	66.67%
51605 Private Car Expense	1,261	1,300	0	0	0	N/A
51801 Other Services	705	0	0	0	0	N/A
51803 Other Contract Services	214,034	91,800	91,800	71,800	(20,000)	(21.79%)
51902 Telecommunication Usage	287	0	0	0	0	N/A
51915 ISD Reprographics Services	0	0	0	0	0	N/A
51917 District Operations Chgs	1,439,551	1,420,000	1,420,000	1,660,922	240,922	16.97%
51921 Equipment Usage Charges	26,711	16,000	0	0	0	N/A
52021 Clothing, Uniforms	2,339	0	0	0	0	N/A
52031 Food	2,318	2,000	0	0	0	N/A
52042 Janitorial Supplies	0	15	0	0	0	N/A
52061 Fuel/Gas/Oil	0	0	0	0	0	N/A
52071 Materials and Supplies Expense	14,093	40,000	7,500	5,000	(2,500)	(33.33%)
52091 Memberships/Certifications	5,802	13,000	13,000	13,000	0	0.00%
52101 Other Supplies	9,112	0	0	0	0	N/A
52111 Office Supplies	1,924	1,600	0	0	0	N/A
52112 Office Furniture/Fixtures	0	0	0	0	0	N/A
52114 Freight/Postage	0	0	0	0	0	N/A
52115 Books/Media/Subscriptions	3,194	100	0	0	0	N/A
52117 Mail and Postage Supplies	70	2,000	0	0	0	N/A
52141 Minor Equipment/Small Tools	7,954	2,000	0	0	0	N/A
52142 Computer Equipment/Accessories	0	0	0	0	0	N/A
52162 Special Department Expense	0	0	0	0	0	N/A
52171 Water Conservation Program	3,000	480,000	480,000	691,250	211,250	44.01%
52181 Business Meals/Supplies	0	0	0	0	0	N/A
SUBTOTAL	1,944,556	2,322,215	2,060,300	2,498,972	438,672	21.29%
OTHER CHARGES						
53500 Contributions Non-County Agy	19,750	0	0	0	0	N/A
53501 Contributions	95,520	256,800	0	0	0	N/A
SUBTOTAL	115,270	256,800	0	0	0	N/A
OTHER FINANCING USES						
57011 Transfers Out - within a Fund	0	0	0	0	0	N/A
57012 Transfers Out - btw Govtl Fund	0	0	0	0	0	N/A
SUBTOTAL	0	0	0	0	0	N/A
TOTAL EXPENDITURES	2,059,826	2,579,015	2,060,300	2,498,972	438,672	21.29%
Adjustments to Reserves/Encumbrances:						
Outstanding Encumbrances - Net Chan	96,931	0		0		
Change in Windsor Reserve	(114,076)	(106,446)		0		
Audit Adjustment (A/P)	0	0		0		
Unrealized Gain/ Loss (GASB 31)	4,499	0		0		
Rounding	2	0		0		
ENDING FUND BALANCE	486,393	278,663		104,927		

Water Transmission Budget

2018-19

Itemized Detail for Subfunds Consulting/Contractual Services

Budget
FY18-19

Water Management Planning

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, 2021. Conduct follow-up meetings, respond to DWR and contractor requests, track regulatory compliance changes, and coordinate with climate adaption strategic planning efforts.

\$ 20,000

Watershed Planning/Restoration

RRIFR Decision 1610 Change Petition: Russian River Flows: Assist in preparation of final Environmental Impact Report for Fish Habitat Flows and Water Rights Project in preparation for Board of Directors consideration for certification. Consultant services for responses to comments on the Draft EIR, and any additional impact analysis, flow modeling, hydroelectric analysis, water quality monitoring, climate change modeling (USGS), EIR, and hydrologic index evaluation needed. Work is occurring internally on the 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 was released on August 19, 2016. In FY18-19, most of the work will focus on reviewing and responding to public comments, adjustments to the proposed Hydrologic Index, and refinements to models, 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 FY17-18, the Decision 1610 Change Petition budget has decreased approximately \$630,000. The decrease is attributable to the level of effort to prepare and certify the final EIR in FY18-19.

\$ 188,000

RRIFR Estuary Management: Required Annual Biological Opinion Activities: 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 FY18-19 activities include installation and monitoring of downstream migrant salmonid traps and water quality monitoring stations, and flood risk feasibility studies, and climate change sea level rise and salmonid water quality habitat modeling analysis (NOAA Habitat Blueprint). Compared to FY17-18, the Estuary Management budget has decreased approximately \$250,000 due to completion of stipulated judgment requirements from the Estuary EIR litigation, removal of groundwater wells used for the jetty study in FY17-18, and reductions in contract services.

\$ 580,000

USGS Programmatic Climate Change Studies: USGS will continue ongoing work on updating unimpaired flows in the Russian River Basin to support Water Agency water supply planning efforts. This includes developing unimpaired flows for 6 new climate scenarios from the Intergovernmental Panel on Climate Change Fifth Assessment Report, modeling impact scenarios for changing land use and water availability and provide science support in the finalization of the Draft Environmental Impact Report for Fish Habitat Flows and Water Rights Project Environment Impact Report. Under previous agreement the USGS the Russian River Basin Characterization Model to develop a historical unimpaired flow dataset for the Russian River from 1910 to 2013. This dataset was to support the modeling of the Draft EIR, and the 2015 Urban Water Management Plan. The USGS also downscaled 4 future climate change scenarios to produce daily climate change unimpaired hydrology for the Russian River. This dataset was used for the development of the Lake Mendocino Reliability Study completed in 2015.

\$ 120,000

Water Transmission Budget

2018-19

Itemized Detail for Subfunds Consulting/Contractual Services

	Budget FY18-19
<p><u>NOAA Hydrometeorology Testbed (HMT) Quantitative Precipitation Information Phase 3 Project:</u> NOAA Physical Sciences Division will continue ongoing weather monitoring in our region by deploying new instruments, gathering and analyzing data, and performing other work in support of local efforts to protect and manage water resources in the Russian River. Under previous agreements (Phase I & II), new weather observing stations were deployed at multiple locations throughout the region to fill existing data gaps. Information collected from these stations includes precipitation, temperature, and soil moisture. The data from these stations, as well as data being collected from existing stations, were integrated into weather prediction models to refine precipitation and temperature forecasts. Use of advanced forecasting and measurement tools can help with flood control and water supply efficiency. Sonoma County is a test area for this emerging technology. This work will also complement and support assessment of weather related hazards associated with burned areas from the fires in Sonoma County. Data collected under this agreement will augment data being collected with new gauges and a temporary radar system in response to the October 2017 fires to provide NOAA forecasters needed information for timely hazard assessments associated with post-burn watershed conditions such as flash floods and debris flows. In addition to benefitting the watershed, new information gained from this project can be applied in the future to other at-risk watersheds along the Pacific Coast and to national programs such as NOAA's National Water Model.</p>	\$ 25,000
	\$ 913,000
<p><u>Recycled Water and Local Supply</u></p>	
<p>Funding for Santa Rosa Plain Groundwater Management in FY 18/19 is included to cover the financial contribution from the Water Agency for the Santa Rosa Plain Groundwater Sustainability Agency's (GSA's) activities. Funding any potential Water Agency financial contribution through the Water Transmission Recycled Water/Local Supply is appropriate, as the Water Agency has critical water supply sources within the Santa Rosa Plain Groundwater Subbasin (Occidental Rd, Sebastopol Rd, and Todd Rd groundwater production wells) that could be impacted by the future GSA's activities.</p>	\$ 110,000
	\$ 110,000
<p><u>Water Conservation</u></p>	
<p><u>51241-Outside Printing and Binding</u></p>	
<p>WUE Program materials, water education calendar, and Green Business Program brochures, Garden Sense materials</p>	\$ 52,000
<p><u>51602-Business Travel/Mileage</u></p>	
<p>Attend local and statewide meeting representing the Partnership and SCWA</p>	\$ 5,000
<p><u>51803-Other Contract Services</u></p>	
<p>Water Education Bus Contract to shuttle kids from school to field study sites</p>	\$ 41,800
<p>Green Business Program: Funding to staff a part time position which provides water assessments for local businesses pursuing the Green Business Certification</p>	\$ 30,000
	\$ 71,800

2/27/2018

Water Transmission Budget

2018-19

Itemized Detail for Subfunds Consulting/Contractual Services

Budget
FY18-19

51917-District Operations Chgs

Salaries, benefits and overhead costs for staff assigned to projects budgeted within the Water Conservation Fund.	\$ 1,660,922
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52071-Materials and Supplies Expense

Teaching aids, pH strips, fabric for displays, youth outreach displays, etc.	\$ 5,000
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52091-Memberships/Certifications

Irrigation Association Certificate Renewals, Water Education Foundation, and CUWCC, Alliance for Water Efficiency, etc.	\$ 13,000
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52171-Water Conservation Program

Sonoma County Fair: Materials and hardware that are WUE focused for distribution at the Sonoma County fair	\$ 10,000
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Saving Water Partnership Wholesaler Support: Act as the regional liaison attend meetings of the CUWCC Board, Alliance for Water Efficiency, Green Building Standards Commission, Independent Technical Panel, Urban Advisory Group, CA Science Teachers Association, environmental education conference.	\$ 40,000
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School Education Program: Such as assembly program, port-a-potties, steelhead in the classroom program, youth outreach events, teacher program, English as a second language program, educational workbooks, maps	\$ 138,000
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Outdoor Water Use Focused Programs: 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; Plant labeling Program, Russian River Friendly Workshops, etc.	\$ 95,000
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DWR Water Energy Grant Rebates: The Sonoma-Marin Saving Water Partnership Water-Energy Rebate Program for Restaurants (Project) will target restaurants in the Sonoma-Marin Saving Water Partnership service area to replace inefficient equipment with water-efficient and energy-efficient equipment, resulting in long term, permeant savings by reducing water and energy usage. Restaurants have historically been a difficult market to penetrate due to high turn-over rates and the leasing of hardware. The Water Agency will administer the Project. The rebate program will provide direct incentives to restaurateurs for replacement of old, inefficient fixtures.	\$ 185,250
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Public Information/Outreach Programs: Media campaign for the Sonoma-Marin Saving Water Partnership including media ad buy, ad development, DIY toolkits	\$ 165,000
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Seminars, Workshops, Training: Host trainings/ workshops to benefit the Partnership, such as Water Loss, WELO; Participation in national/ statewide studies such as Turf Transformation Study	\$ 30,000
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GardenSoft Licensing: Licensing of online Water Wise Gardening plant palate that is specific to Sonoma and Marin Counties	\$ 3,000
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Westside Education Center Exhibits	\$ 25,000
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\$ 691,250

Total \$ 2,498,972

**FY 2018-19 BUDGET
BEGINNING AND ENDING CASH SUMMARY**

Section Title:
Section/Fund No:

Santa Rosa Aqueduct Capital Fund
44230

Account Title	Actual 2016-2017	Estimated 2017-2018	Adopted 2017-2018	Requested 2018-19	Difference	Percent Change
BEGINNING FUND BALANCE	6,057,463	6,589,988		6,589,886		

REVENUES

USE OF MONEY / PROPERTY

44002 Interest on Pooled Cash	63,789	21,450	21,450	21,450	0	0.00%
44003 Other Interest Earnings	0	0	0	0	0	N/A
44050 Unrealized Gains & Los	(32,773)	0	0	0	0	N/A
SUBTOTAL	31,016	21,450	21,450	21,450	0	0.00%

MISCELLANEOUS REVENUES

46040 Miscellaneous Revenue	0	0	0	0	0	N/A
46021 Capital Grants - Federal	0	863,942	0	0	0	N/A
46029 Donations/Contributions	0	0	0	0	0	N/A
SUBTOTAL	0	863,942	0	0	0	N/A

ADMINISTRATIVE CONTROL ACCOUNT

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

OTHER FINANCING SOURCES

47101 Transfers In - within a F	483,812	386,429	386,429	407,973	21,544	5.58%
47102 Transfers In - btw Govtl	0	0	0	0	0	N/A
SUBTOTAL	483,812	386,429	386,429	407,973	21,544	5.58%

SPECIAL ITEMS

48004 Residual Equity Transfe	0	0	0	0	0	N/A
SUBTOTAL	0	0	0	0	0	N/A

TOTAL REVENUES	514,829	1,271,821	407,879	429,423	21,544	5.28%
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EXPENDITURES

OTHER CHARGES

53103 Interest on LT Debt	0	0	0	0		
53104 Other Interest Expense	(1,579)	0	0	0		
53105 Costs of Issuance	0	0	0	0		
SUBTOTAL	(1,579)	0	0	0	0	N/A

FIXED ASSETS

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	15,077	1,271,923	727,000	50,000	(677,000)	(93.12%)
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	15,077	1,271,923	727,000	50,000	(677,000)	(93.12%)

OTHER FINANCING USES

57011 Transfers Out - within a	0	0	0	0	0	N/A
SUBTOTAL	0	0	0	0	0	N/A

TOTAL EXPENDITURES	13,498	1,271,923	727,000	50,000	(677,000)	(93.12%)
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Adjustments to Reserves/Encumbrances:

Repayment of Loan to Storage	0	0	0
Unrealized Gain/ Loss (GASB 31)	(1,579)	0	0
Capitalized Interest	32,773	0	0
Rounding	1	0	0

ENDING FUND BALANCE	6,589,988	6,589,886	6,969,309
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**FY 2018-19 BUDGET
BEGINNING AND ENDING CASH SUMMARY**

Section Title:

Petaluma Aqueduct Capital Fund

Section/Fund No:

44235

Account Title	Actual 2016-2017	Estimated 2017-2018	Adopted 2017-2018	Requested 2018-19	Difference	Percent Change
BEGINNING FUND BALANCE	7,403,293	7,712,720		7,733,001		
REVENUES						
USE OF MONEY / PROPERTY						
44002 Interest on Pooled Cash	76,825	25,000	21,450	21,450	0	0.00%
44003 Other Interest Earnings	0	0	0	0	0	N/A
44050 Unrealized Gains & Losses	(40,254)	0	0	0	0	N/A
SUBTOTAL	36,571	25,000	21,450	21,450	0	0.00%
ADMINISTRATIVE CONTROL ACCOUNT						
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
OTHER FINANCING SOURCES						
47101 Transfers In - within a Fund	239,414	250,281	250,281	225,359	(24,922)	(9.96%)
47102 Transfers In - btw Govtl Funds	0	0	0	0	0	N/A
SUBTOTAL	239,414	250,281	250,281	225,359	(24,922)	(9.96%)
TOTAL REVENUES	275,985	275,281	271,731	246,809	(24,922)	(9.17%)
EXPENDITURES						
OTHER CHARGES						
53103 Interest on LT Debt	0	0	0	0		
53104 Other Interest Expense	(26)	0	0	0		
53105 Costs of Issuance	0	0	0	0		
53403 Loss - Disposed Capital Asset	0	0	0	0		
SUBTOTAL	(26)	0	0	0	0	N/A
FIXED ASSETS						
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	6,812	255,000	145,000	1,255,000	1,110,000	765.52%
19840 Work in Progress - Eq	0	0	0	0	0	N/A
19841 Work in Progress - Intang	0	0	0	0	0	N/A
19851 Intangible Assets - Non-amort	0	0	0	0		
SUBTOTAL	6,812	255,000	145,000	1,255,000	1,110,000	765.52%

Section Title:
Section/Fund No:

Petaluma Aqueduct Capital Fund
44235

Account Title	Actual 2016-2017	Estimated 2017-2018	Adopted 2017-2018	Requested 2018-19	Difference	Percent Change
<u>SPECIAL ITEMS</u>						
56030 Residual Equity Transfers	0	0	0	0	0	N/A
SUBTOTAL	0	0	0	0	0	N/A
<u>OTHER FINANCING USES</u>						
57011 Transfers Out - within a Fund	0	0	0	0	0	N/A
SUBTOTAL	0	0	0	0	0	N/A
TOTAL EXPENDITURES	6,786	255,000	145,000	1,255,000	1,110,000	765.52%
Adjustments to Reserves/Encumbrances:						
Advance to Common	0	0		0		
Increase/(Decrease) in Loan Payable	0	0		0		
Capitalized Interest	(26)	0		0		
Loss on Fixed Asset	0	0		0		
Principal Received on Loan	0	0		0		
Unrealized Gain/ Loss (GASB 31)	40,254	0		0		
ENDING FUND BALANCE	7,712,720	7,733,001		6,724,810		

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**FY 2018-19 BUDGET
BEGINNING AND ENDING CASH SUMMARY**

Section Title:

Sonoma Aqueduct Capital Fund

Section/Fund No:

44240

Account Title	Actual 2016-2017	Estimated 2017-2018	Adopted 2017-2018	Requested 2018-19	Difference	Percent Change
BEGINNING FUND BALANCE	1,309,718	1,271,451		681,622		
REVENUES						
USE OF MONEY / PROPERTY						
44002 Interest on Pooled Cash	14,738	858	858	858	0	0.00%
44003 Other Interest Earnings	0	0	0	0	0	N/A
44050 Unrealized Gains & Losses	(7,282)	0	0	0	0	N/A
SUBTOTAL	7,457	858	858	858	0	0.00%
OTHER FINANCING SOURCES						
47101 Transfers In - within a Fund	126,812	113,609	113,609	1,390,000	1,276,391	1123.50%
47102 Transfers In - btw Govtl Func	0	0	0	0	0	N/A
SUBTOTAL	126,812	113,609	113,609	1,390,000	1,276,391	1123.50%
SPECIAL ITEMS						
48004 Residual Equity Transfers	0	0	0	0	0	N/A
SUBTOTAL	0	0	0	0	0	N/A
TOTAL REVENUES	134,269	114,467	114,467	1,390,858	1,276,391	1115.08%
EXPENDITURES						
OTHER CHARGES						
53103 Interest on LT Debt	0	0	0	0		
53104 Other Interest Expense	(29,249)	0	0	0		
53105 Costs of Issuance	0	0	0	0		
53403 Loss-Disposed Capital Asset	0	0	0	0		
SUBTOTAL	(29,249)	0	0	0	0	N/A
FIXED ASSETS						
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	187,768	704,296	135,000	130,000	(5,000)	(3.70%)
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	187,768	704,296	135,000	130,000	(5,000)	(3.70%)
OTHER FINANCING USES						
57011 Transfers Out - within a Func	0	0	0	0	0	N/A
SUBTOTAL	0	0	0	0	0	N/A
TOTAL EXPENDITURES	158,519	704,296	135,000	130,000	(5,000)	(3.70%)

Adjustments to Reserves/Encumbrances:

Outstanding Encumbrances - Net Change	7,950	0	0
Capitalized Interest	(29,249)	0	0
Unrealized Gain/ Loss (GASB 31)	7,282	0	0
Net Adjustment - Increase/(Decrease) to f	(14,017)	0	0

ENDING FUND BALANCE	1,271,451	681,622	1,942,480
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**FY 2018-19 BUDGET
BEGINNING AND ENDING CASH SUMMARY**

Section Title: Storage Facilities

Section/Fund No: 44250

Account Title	Actual 2016-2017	Estimated 2017-2018	Adopted 2017-2018	Requested 2018-19	Difference	Percent Change
BEGINNING FUND BALANCE	202,128	9,783		70,615		
REVENUES						
<u>USE OF MONEY / PROPERTY</u>						
44002 Interest on Pooled Cash	(2,204)	50	0	0	0	N/A
44050 Unrealized Gains & Losses	1,221	(2,000)	(2,000)	(2,000)	0	0.00%
SUBTOTAL	(983)	(1,950)	(2,000)	(2,000)	0	0.00%
<u>MISCELLANEOUS REVENUE</u>						
46021 Capital Grants - Federal	0	0	0	0	0	N/A
46029 Donations/Contributions	0	0	0	0	0	N/A
46040 Miscellaneous Revenue	63	0	0	0	0	N/A
46022 Capital Grants - State (Petaluma AQ - Caltrans Project)	185,371	0	0	0	0	N/A
46200 PY Revenue - Miscellaneous		10,503				
SUBTOTAL	185,434	10,503	0	0	0	N/A
<u>Administrative Control</u>						
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
<u>OTHER FINANCING SOURCES</u>						
47101 Transfers In - within a Fund	350,000	1,850,000	150,000	10,000	(140,000)	(93.33%)
47102 Transfers In - btw Govtl Funds	0	0	0	0	0	N/A
SUBTOTAL	350,000	1,850,000	150,000	10,000	(140,000)	(93.33%)
TOTAL REVENUES	534,451	1,858,553	148,000	8,000	(140,000)	(94.59%)
EXPENDITURES						
<u>OTHER CHARGES</u>						
53103 Interest on LT Debt	0	0	0	0	0	N/A
53104 Other Interest Expense	(125,453)	0	0	0	0	N/A
SUBTOTAL	(125,453)	0	0	0	0	N/A
<u>FIXED ASSETS</u>						
19831 CIP - Bldg & Impr	0	0	0	0	0	N/A
19832 CIP - Infrastructure	785,477	1,795,721	195,000	25,000	(170,000)	(87.18%)
19841 Acq-WIP-Intangibles	8,068	4,000	0	0	0	N/A
19851 Intangible Assets - Non-amort	0	0	0	0	0	N/A
SUBTOTAL	793,545	1,799,721	195,000	25,000	(170,000)	(87.18%)

Section Title:

Storage Facilities

Section/Fund No:

44250

Account Title	Actual 2016-2017	Estimated 2017-2018	Adopted 2017-2018	Requested 2018-19	Difference	Percent Change
<u>ADMINISTRATIVE CONTROL ACCOUNT</u>						
59002 Advances	0	0	0	0	0	N/A
59003 Advances Clearing	0	0	0	0	0	N/A
SUBTOTAL	0	0	0	0	0	N/A
<u>OTHER FINANCING USES</u>						
57011 Transfers Out - within a Fund	0	0	0	0	0	N/A
SUBTOTAL	0	0	0	0	0	N/A
TOTAL EXPENDITURES	668,092	1,799,721	195,000	25,000	(170,000)	(87.18%)
Adjustments to Reserves/Encumbrances:						
Repayment of Loan from SR Aqueduct (0	0		0		
Princ. Pymnt on loan from SR Aqueduct	0	0		0		
Advances	0	0		0		
Outstanding Encumbrances - Net Chang	67,969	0		0		
PY CIP adjustment - reclass to PY Exp	0	0		0		
B & I Tsfrs	0	0		0		
LTD Proceeds	0	0		0		
Capitalized Interest	(125,453)	0		0		
Move Project CIP Balance	0	0		0		
Unrealized Gain/ Loss (GASB 31)	(1,221)	2,000		0		
PY Encumbrances	0	0		0		
ENDING FUND BALANCE	9,783	70,615		53,615		

FY 2018-19 BUDGET
BEGINNING AND ENDING CASH SUMMARY

Section Title: Common Facilities
 Section/Fund No: 44260

Account Title	Actual 2016-2017	Estimated 2017-2018	Adopted 2017-2018	Requested 2018-19	Difference	Percent Change
BEGINNING FUND BALANCE	2,527,308	1,466,782		(4,117,678)		
REVENUES						
USE OF MONEY / PROPERTY						
44002 Interest on Pooled Cash	11,509	8,580	8,580	8,580	0	0.00%
44003 Other Interest Earnings	0	0	0	0	0	N/A
44050 Unrealized Gains & Losses	3,621	(10,000)	(22,000)	0	22,000	(100.00%)
SUBTOTAL	15,130	(1,420)	(13,420)	8,580	22,000	(163.93%)
CHARGES FOR SERVICES						
45062 Construct/Bldg Permit Rvw Svc	0	0	0	0	0	N/A
SUBTOTAL	0	0	0	0	0	N/A
MIECELLANEOUS REVENUES						
46021 Capital Grants - Federal	1,711,836	5,759,579	0	0	0	N/A
46022 Capital Grants - State	0	0	0	0	0	N/A
46029 Donations/Contributions	0	0	0	0	0	N/A
46040 Miscellaneous Revenue	0	0	0	0	0	N/A
46041 Discounts Earned	3	5	0	0	0	N/A
46200 Revenue Appl PY Misc Revenu	66,260	527	0	0	0	N/A
SUBTOTAL	1,778,099	5,760,111	0	0	0	N/A
ADMINISTRATIVE CONTROL						
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
OTHER FINANCING SOURCES						
47101 Transfers In - within a Fund	4,166,695	4,550,000	3,627,000	8,280,874	4,653,874	128.31%
47102 Transfers In - btw Govtl Funds	0	0	0	0	0	N/A
SUBTOTAL	4,166,695	4,550,000	3,627,000	8,280,874	4,653,874	128.31%
TOTAL REVENUES	5,959,923	10,308,691	3,613,580	8,289,454	4,675,874	129.40%
EXPENDITURES						
OTHER CHARGES						
53103 Interest on LT Debt	0	0	0	0	0	N/A
53104 Other Interest Expense	(559,262)	0	0	0	0	N/A
53403 Loss - Disposed Capital Asset	0	0	0	0	0	N/A
SUBTOTAL	(559,262)	0	0	0	0	N/A
FIXED ASSETS						
19810 Land	0	0	0	0	0	N/A
19812 Acq-CIP-Land	358,161	0	0	0	0	N/A
19831 CIP - Bldg & Impr	439	0	0	0	0	N/A
19832 CIP - Infrastructure	6,362,650	14,898,151	3,375,000	3,727,874	352,874	10.46%
19840 Acq-WIP-Equipment	0	0	0	0	0	N/A

Section Title:

Common Facilities

Section/Fund No:

44260

Account Title	Actual 2016-2017	Estimated 2017-2018	Adopted 2017-2018	Requested 2018-19	Difference	Percent Change
19841 Work in Progress - Intang	5,557	625,000	625,000	0	(625,000)	(100.00%)
19851 Intangible Assets - Non-amort	0	392,000	392,000	0	(392,000)	(100.00%)
SUBTOTAL	6,726,808	15,915,151	4,392,000	3,727,874	(664,126)	(15.12%)
OTHER FINANCING USES						
57011 Transfers Out - within a Fund	0	0	0	0	0	N/A
SUBTOTAL	0	0	0	0	0	N/A
ADMINISTRATIVE CONTROL ACCOUNT						
59002 Advances	0	0	0	0	0	N/A
59003 Advances Clearing	0	0	0	0	0	N/A
SUBTOTAL	0	0	0	0	0	N/A
TOTAL EXPENDITURES	6,167,546	15,915,151	4,392,000	3,727,874	(664,126)	(15.12%)
Adjustments to Reserves/Encumbrances:						
Loan from Petaluma Aqueduct Capital Fund	0	0		0		
Principal payment on Loan from Petaluma / Advances	0	0		0		
Outstanding Encumbrances - Net Change	(290,022)	0		0		
Capitalized Interest	(559,262)	0		0		
Proceeds from State Loan & Other LT Debt	0	0		0		
PY CIP adjustment - reclass to PY Exp (loss)	0	0		0		
B & I Tsfr to ISF (Facilities) Fund	0	0		0		
Auditor Adj - Reversal of Duplicate Pymt	0	0		0		
Change in Deposit w/Others	0	0		0		
Move Project CIP Balance	0	0		0		
Change in Contingent Liability	0	0		0		
Post Audit Adjustment - Payables	0	0		0		
Unrealized Gain/ Loss (GASB 31)	(3,621)	22,000		0		
Rounding	1	0		0		
ENDING FUND BALANCE	1,466,782	(4,117,678)		443,902		

**FY 2018-19 BUDGET
BEGINNING AND ENDING CASH SUMMARY**

Section Title: North Marin Water Deposit

Section/Fund No: 44300

Account Title	Actual 2016-2017	Estimated 2017-2018	Adopted 2017-2018	Requested 2018-19	Difference	Percent Change
BEGINNING FUND BALANCE	13,156	13,335		13,479		

REVENUES

USE OF MONEY / PROPERTY

44002 Interest on Pooled Cash	178	144	144	144	0	0.00%
44050 Unrealized Gains and Losses	(95)	0	0	0	0	N/A
SUBTOTAL	84	144	144	144	0	0.00%

Intergovernmental Revenue

42610 Other Governmental Agencies	0	0	0	1,279,480	1,279,480	N/A
SUBTOTAL	0	0	0	1,279,480	1,279,480	N/A

OTHER FINANCING SOURCES

47101 Transfers In - within a Fund	0	0	0	0	0	N/A
SUBTOTAL	0	0	0	0	0	N/A

TOTAL REVENUES	84	144	144	1,279,624	1,279,480	887640.25%
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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

57011 Transfers Out - within a Fund	0	0	0	644,248	644,248	N/A
SUBTOTAL	0	0	0	644,248	644,248	N/A

TOTAL EXPENDITURES	0	0	0	644,248	644,248	N/A
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Adjustments to Reserves/Encumbrances:

Unrealized Gain/ Loss (GASB 31)	95	0				
Rounding	0	(0)				

ENDING FUND BALANCE	13,335	13,479		648,855		
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**FY 2018-19 BUDGET
BEGINNING AND ENDING CASH SUMMARY**

Section Title: State Loan Debt Service Fund

Section/Fund No: 44265

Account Title	Actual 2016-2017	Estimated 2017-2018	Adopted 2017-2018	Requested 2018-19	Difference	Percent Change
BEGINNING FUND BALANCE	\$6,728	(\$7,238)		\$4,803		
REVENUES						
USE OF MONEY / PROPERTY						
44002 Interest on Pooled Cash	7,150	6,006	6,006	6,006	0	0.00%
44003 Other Interest Earnings	0	0	0	0	0	N/A
44050 Unrealized Gains and Losses	(4,122)	0	0	0	0	N/A
SUBTOTAL	3,028	6,006	6,006	6,006	0	0.00%
OTHER FINANCING SOURCES						
47101 Transfers In - within a Fund	1,040,238	1,196,268	1,196,268	1,196,268	0	0.00%
47102 Transfers In - btw Govtl Funds	0	0	0	0	0	N/A
SUBTOTAL	1,040,238	1,196,268	1,196,268	1,196,268	0	0.00%
TOTAL REVENUES	1,043,266	1,202,274	1,202,274	1,202,274	0	0.00%
EXPENDITURES						
OTHER CHARGES						
53103 Interest on LT Debt	289,339	268,218	268,218	246,502	(21,716)	(8.10%)
SUBTOTAL	289,339	268,218	268,218	246,502	(21,716)	(8.10%)
OTHER FINANCING USES						
57011 Transfers Out - within a Fund	0	150,000	300,000	150,000	(150,000)	(50.00%)
SUBTOTAL	0	150,000	300,000	150,000	(150,000)	(50.00%)
ADMIN. CONTROL ACCOUNT						
59002 Advances	750,892	772,015	772,015	793,731	21,716	2.81%
59003 Advances Clearing	(750,892)	(772,015)	(772,015)	(793,731)	(21,716)	2.81%
SUBTOTAL	0	0	0	0	0	N/A
TOTAL EXPENDITURES	289,339	418,218	568,218	396,502	(171,716)	(30.22%)
Adjustments to Reserves/Encumbrances:						
Principal payments on loan	(750,892)	0				
(Increase) / Decrease in Principal Payable	(21,122)	(772,015)		(793,731)		
Unrealized Gain/ Loss (GASB 31)	4,122	0				
Rounding	(1)	0				
ENDING FUND BALANCE	(\$7,238)	\$4,803		\$16,844		

**FY 2018-19 BUDGET
BEGINNING AND ENDING CASH SUMMARY**

Section Title: State Loan Reserve Fund

Section/Fund No: 44270

Account Title	Actual 2016-2017	Estimated 2017-2018	Adopted 2017-2018	Requested 2018-19	Difference	Percent Change
BEGINNING FUND BALANCE	\$0	\$0		\$4,000		
REVENUES						
<u>USE OF MONEY / PROPERTY</u>						
44002 Interest on Pooled Cash	12,978	4,000	0	0	0	N/A
44003 Other Interest Earnings	0	0	0	0	0	N/A
44050 Unrealized Gains and Losses	(6,893)	0	0	0	0	N/A
SUBTOTAL	6,085	4,000	0	0	0	N/A
<u>OTHER FINANCING SOURCES</u>						
47101 Transfers In - within a Fund	0	0	0	0	0	N/A
SUBTOTAL	0	0	0	0	0	N/A
TOTAL REVENUES	6,085	4,000	0	0	0	N/A
EXPENDITURES						
<u>OTHER FINANCING USES</u>						
57011 Transfers Out - within a Fund	0	0	0	0	0	N/A
SUBTOTAL	0	0	0	0	0	N/A
TOTAL EXPENDITURES	0	0	0	0	0	N/A
Adjustments to Reserves/Encumbrances:						
Increase in Reserve	(12,978)	0		0		
Unrealized Gain/ Loss (GASB 31)	6,893					
Rounding	0					
ENDING FUND BALANCE	\$0	\$4,000		\$4,000		

**FY 2018-19 BUDGET
BEGINNING AND ENDING CASH SUMMARY**

Section Title:

Storage Facilities Revenue Bond - 2012A

Section/Fund No:

44280

Account Title	Actual 2016-2017	Estimated 2017-2018	Adopted 2017-2018	Requested 2018-19	Difference	Percent Change
BEGINNING FUND BALANCE	\$56,287	\$64,831		\$77,527		
REVENUES						
USE OF MONEY / PROPERTY						
44002 Interest on Pooled Cash	912	200	129	129	0	0.00%
44003 Other Interest Earnings	941	2,000	0	0	0	N/A
44050 Unrealized Gains and Losses	(336)	0	0	0	0	N/A
SUBTOTAL	1,516	2,200	129	129	0	0.00%
OTHER FINANCING SOURCES						
47101 Transfers In - within a Fund	272,526	310,471	310,471	308,527	(1,945)	(0.63%)
47102 Transfers In - btw Govtl Funds	0	0	0	0	0	N/A
SUBTOTAL	272,526	310,471	310,471	308,527	(1,945)	(0.63%)
TOTAL REVENUES	274,042	312,671	310,600	308,655	(1,945)	(0.63%)
EXPENDITURES						
SERVICES AND SUPPLIES						
51242 Bank Charges	863	1,500	1,500	1,500	0	0.00%
SUBTOTAL	863	1,500	1,500	1,500	0	0.00%
OTHER CHARGES						
53103 Interest on LT Debt	109,350	108,670	108,670	103,876	(4,794)	(4.41%)
53104 Other Interest Expense	(4,781)	0	0	0	0	N/A
53105 Costs of Issuance	0	0	0	0	0	N/A
SUBTOTAL	104,569	108,670	108,670	103,876	(4,794)	(4.41%)
OTHER FINANCING USES						
57011 Transfers Out - within a Fund	0	30,000	30,000	0	(30,000)	(100.00%)
SUBTOTAL	0	30,000	30,000	0	(30,000)	(100.00%)
ADMIN. CONTROL ACCOUNT						
59004 Administrative Control Account	155,150	159,805	159,805	162,908	3,103	1.94%
59005 Admin Control Acct Clearing	(155,150)	(159,805)	(159,805)	(162,908)	(3,103)	1.94%
SUBTOTAL	0	0	0	0	0	N/A
TOTAL EXPENDITURES	105,432	140,170	140,170	105,376	(34,794)	(24.82%)
Adjustments to Reserves/Encumbrances:						
Principal payments on bonds	(155,150)	(159,805)		(162,908)		
Restricted cash with trustee (reserve)	(473)					
Debt Issuance Costs						
(Increase) / Decrease in Bonds Payable	0					
Amortization of bond discount	(10,307)	0		0		
Amortization of deferred amount of refunding	5,526	0		0		
Unrealized Gain/ Loss (GASB 31)	336					
Rounding	1					
ENDING FUND BALANCE	\$64,831	\$77,527		\$117,898		

**FY 2018-19 BUDGET
BEGINNING AND ENDING CASH SUMMARY**

Section Title:

Common Facilities Revenue Bonds - 2012 A

Section/Fund No:

44275

Account Title	Actual 2016-2017	Estimated 2017-2018	Adopted 2017-2018	Requested 2018-19	Difference	Percent Change
BEG. FUND BALANCE	\$90,741	\$101,961		\$162,002		
REVENUES						
USE OF MONEY / PROPERTY						
44002 Interest on Pooled Cash	1,397	343	343	343	0	0.00%
44003 Other Interest Earnings	1,317	3,000	0	0	0	N/A
44050 Unrealized Gains and Losses	(533)	0	0	0	0	N/A
SUBTOTAL	2,182	3,343	343	343	0	0.00%
OTHER FINANCING SOURCES						
47101 Transfers In - within a Fund	380,655	434,680	434,680	431,957	(2,723)	(0.63%)
47102 Transfers In - btw Govtl Funds	0	0	0	0	0	N/A
SUBTOTAL	380,655	434,680	434,680	431,957	(2,723)	(0.63%)
TOTAL REVENUES	382,837	438,024	435,024	432,300	(2,723)	(0.63%)
EXPENDITURES						
SERVICES AND SUPPLIES						
51242 Bank Charges	1,120	2,000	2,000	2,000	0	0.00%
SUBTOTAL	1,120	2,000	2,000	2,000	0	0.00%
OTHER CHARGES						
53103 Interest on LT Debt	153,118	152,215	152,215	145,502	(6,713)	(4.41%)
53104 Other Interest Expense	(6,645)	0	0	0	0	N/A
53105 Costs of Issuance	0	0	0	0	0	N/A
SUBTOTAL	146,473	152,215	152,215	145,502	(6,713)	(4.41%)
OTHER FINANCING USES						
57011 Transfers Out - within a Fund	0	0	0	210,000	210,000	N/A
SUBTOTAL	0	0	0	210,000	210,000	N/A
ADMIN. CONTROL ACCOUNT						
59004 Administrative Control Account	217,250	223,768	223,768	228,113	4,345	1.94%
59005 Admin Control Acct Clearing	(217,250)	(223,768)	(223,768)	(228,113)	(4,345)	1.94%
SUBTOTAL	0	0	0	0	0	N/A
TOTAL EXPENDITURES	147,593	154,215	154,215	357,502	203,287	131.82%
Adjustments to Reserves/Encumbrances:						
Principal payments on bonds	(217,250)	(223,768)		(228,113)		
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		
(Increase) / Decrease in Bonds Payable	0	0		0		
Restricted cash with trustee (reserve)	(662)	0		0		
Amortization of bond discount	0	0		0		
Amortization of bond premium	(14,432)	0		0		
Amortization of bond issuance costs	0	0		0		
Amortization of deferred amount of refunding	7,787	0		0		
Unrealized Gain/ Loss (GASB 31)	533	0		0		
Rounding	0	0		0		
ENDING FUND BALANCE	\$101,961	\$162,002		\$8,687		

**FY 2018-19 BUDGET
BEGINNING AND ENDING CASH SUMMARY**

Section Title:

Sonoma Aqueduct Revenue Bonds 2012

Section/Fund No:

44285

Account Title	Actual 2016-2017	Estimated 2017-2018	Adopted 2017-2018	Requested 2018-19	Difference	Percent Change
BEGINNING FUND BALANCE	\$144,936	\$154,832		\$188,698		
REVENUES						
USE OF MONEY / PROPERTY						
44002 Interest on Pooled Cash	1,766	515	515	515	0	0.00%
44003 Other Interest Earnings	774	0	0	0	0	N/A
44050 Unrealized Gains and Losses	(820)	0	0	0	0	N/A
SUBTOTAL	1,720	515	515	515	0	0.00%
OTHER FINANCING SOURCES						
47101 Transfers In - within a Fund	225,519	255,693	255,693	254,094	(1,600)	(0.63%)
47102 Transfers In - btw Govtl Funds	0	0	0	0	0	N/A
SUBTOTAL	225,519	255,693	255,693	254,094	(1,600)	(0.63%)
TOTAL REVENUES	227,239	256,208	256,208	254,608	(1,600)	(0.62%)
EXPENDITURES						
SERVICES AND SUPPLIES						
51242 Bank Charges	752	1,500	1,500	1,500	0	0.00%
SUBTOTAL	752	1,500	1,500	1,500	0	0.00%
OTHER CHARGES						
53103 Interest on LT Debt	89,932	89,414	89,414	85,471	(3,943)	(4.41%)
53104 Other Interest Expense	(3,892)	0	0	0	0	N/A
53105 Costs of Issuance	0	0	0	0	0	N/A
SUBTOTAL	86,040	89,414	89,414	85,471	(3,943)	(4.41%)
OTHER FINANCING USES						
57011 Transfers Out - within a Fund	0	0	0	220,000	220,000	N/A
SUBTOTAL	0	0	0	220,000	220,000	N/A
ADMIN. CONTROL ACCOUNT						
59004 Administrative Control Account	127,600	131,428	131,428	133,980	2,552	1.94%
59005 Admin Control Acct Clearing	(127,600)	(131,428)	(131,428)	(133,980)	(2,552)	1.94%
SUBTOTAL	0	0	0	0	0	N/A
TOTAL EXPENDITURES	86,792	90,914	90,914	306,971	216,057	237.65%
Adjustments to Reserves/Encumbrances:						
(Increase)/Decrease in Bonds Payable						
Principal Payments on Bonds	(127,600)	(131,428)		(133,980)		
Proceeds from issuance	0	0		0		
(Increase) / Decrease in Bonds Payable	0	0		0		
Restricted cash with trustee (reserve)	121	0		0		
Amortization of bond discount	(8,477)	0		0		
Amortization of deferred amount of refund	4,584	0		0		
Unrealized Gain/ Loss (GASB 31)	820	0		0		
Rounding	1	0		0		
ENDING FUND BALANCE	\$154,832	\$188,698		\$2,355		

**FY 2018-19 BUDGET
BEGINNING AND ENDING CASH SUMMARY**

Section Title:

Storage Facilities Revenue Bonds 2015

Section/Fund No:

44290

Account Title	Actual 2016-2017	Estimated 2017-2018	Adopted 2017-2018	Requested 2018-19	Difference	Percent Change
BEGINNING FUND BALANCE	\$2,376,295	\$2,056,616		\$372,807		
REVENUES						
USE OF MONEY / PROPERTY						
44002 Interest on Pooled Cash	25,572	10,000	257	257	0	0.00%
44003 Other Interest Earnings	0	0	0	0	0	N/A
44050 Unrealized Gains and Losses	(12,862)	0	0	0	0	N/A
SUBTOTAL	12,710	10,000	257	257	0	0.00%
OTHER FINANCING SOURCES						
47101 Transfers In - within a Fund	844,733	967,467	967,467	974,558	7,091	0.73%
47102 Transfers In - btw Govtl Funds	0	0	0	0	0	N/A
SUBTOTAL	844,733	967,467	967,467	974,558	7,091	0.73%
TOTAL REVENUES	857,443	977,467	967,725	974,816	7,091	0.73%
EXPENDITURES						
SERVICES AND SUPPLIES						
51242 Bank Charges	2,810	2,500	2,500	4,000	1,500	60.00%
SUBTOTAL	2,810	2,500	2,500	4,000	1,500	60.00%
OTHER CHARGES						
53103 Interest on LT Debt	283,672	277,349	277,349	264,090	(13,259)	(4.78%)
53104 Other Interest Expense	(13,525)	0	0	0	0	N/A
53105 Costs of Issuance	0	0	0	0	0	N/A
SUBTOTAL	270,147	277,349	277,349	264,090	(13,259)	(4.78%)
OTHER FINANCING USES						
57011 Transfers Out - within a Fund	350,000	1,820,000	120,000	10,000	(110,000)	(91.67%)
57012 Transfers Out - btw Govtl Fund	0	0	0	0	0	N/A
SUBTOTAL	350,000	1,820,000	120,000	10,000	(110,000)	(91.67%)
59004 Administrative Control Account	553,501	561,427	561,427	579,352	17,925	3.19%
59005 Admin Control Acct Clearing	(553,501)	(561,427)	(561,427)	(579,352)	(17,925)	3.19%
SUBTOTAL	0	0	0	0	0	N/A
TOTAL EXPENDITURES	622,957	2,099,849	399,849	278,090	(121,759)	(30.45%)
Adjustments to Reserves/Encumbrances:						
Proceeds from Bond Issuance		0				
Proceeds from Taxable Bond Issuance		0				
Loss on Refunding of Debt	5,058	0				
Restricted Cash w/Fiscal Agent	0					
Principal Payment	(553,501)	(561,427)		(579,352)		
Special Fund Stmt's!B449	0	0		0		
Amortization of Bond Premium	(18,582)	0		0		
Unrealized Gain/ Loss (GASB 31)	12,862					
Rounding	(2)	(0)				
ENDING FUND BALANCE	\$2,056,616	\$372,807		\$490,181		

**FY 2018-19 BUDGET
BEGINNING AND ENDING CASH SUMMARY**

Section Title: Common Facilities Revenue Bonds 2015

Section/Fund No: 44295

Account Title	Actual 2016-2017	Estimated 2017-2018	Adopted 2017-2018	Requested 2018-19	Difference	Percent Change
BEG. FUND BALANCE	\$5,245,072	\$1,136,183		\$34,801		
REVENUES						
USE OF MONEY / PROPERTY						
44002 Interest on Pooled Cash	54,024	5,000	1,716	1,716	0	0.00%
44003 Other Interest Earnings	0	0	0	0	0	N/A
44050 Unrealized Gains and Losses	(35,201)	0	0	0	0	N/A
SUBTOTAL	18,823	5,000	1,716	1,716	0	0.00%
OTHER FINANCING SOURCES						
47101 Transfers In - within a Fund	624,121	717,738	717,738	719,056	1,318	0.18%
47102 Transfers In - btw Govtl Funds	0	0	0	0	0	N/A
SUBTOTAL	624,121	717,738	717,738	719,056	1,318	0.18%
TOTAL REVENUES	642,944	722,738	719,454	720,772	1,318	0.18%
EXPENDITURES						
SERVICES AND SUPPLIES						
51242 Bank Charges	3,236	2,500	2,500	4,000	1,500	60.00%
SUBTOTAL	3,236	2,500	2,500	4,000	1,500	60.00%
OTHER CHARGES						
53103 Interest on LT Debt	475,604	473,046	473,046	465,617	(7,429)	(1.57%)
53104 Other Interest Expense	(21,956)	0	0	0	0	N/A
53105 Costs of Issuance	0	0	0	0	0	N/A
SUBTOTAL	453,649	473,046	473,046	465,617	(7,429)	(1.57%)
OTHER FINANCING USES						
57011 Transfers Out - within a Fund	4,166,695	1,200,000	250,000	120,000	(130,000)	(52.00%)
57012 Transfers Out - btw Govtl Fund	0	0	0	0	0	N/A
SUBTOTAL	4,166,695	1,200,000	250,000	120,000	(130,000)	(52.00%)
ADMIN. CONTROL ACCOUNT						
59004 Administrative Control Account	141,499	148,574	148,574	155,649	7,075	4.76%
59005 Admin Control Acct Clearing	(141,499)	(148,574)	(148,574)	(155,649)	(7,075)	4.76%
SUBTOTAL	0	0	0	0	0	N/A
TOTAL EXPENDITURES	4,623,580	1,675,546	725,546	589,617	(135,929)	(18.73%)
Adjustments to Reserves/Encumbrances:						
Proceeds Bond Issuance	0	0		0		
Cost of Issuance	0	0		0		
Restricted Cash w/Fiscal Agent	0	0		0		
Principal Payment	(141,499)	(148,574)		(155,649)		
Revenue Bonds Pay - Change in Current	0	0		0		
Amortization of Bond Premium	(26,471)	0		0		
Change in Reserved Fund Balance	0					
Loss on Refunding Debt	4,515	0		0		
Post Audit Adjustments - Closing COI	0	0		0		
Unrealized Gain/ Loss (GASB 31)	35,201	0		0		
Rounding	1	(0)		0		
ENDING FUND BALANCE	\$1,136,183	\$34,801		\$10,307		

**FY 2018-19 BUDGET
BEGINNING AND ENDING CASH SUMMARY**

Section Title:

Sonoma Aqueduct Revenue Bonds 2015

Section/Fund No:

44305

Account Title	Actual 2016-2017	Estimated 2017-2018	Adopted 2017-2018	Requested 2018-19	Difference	Percent Change
BEGINNING FUND BALANCE	\$1,146,592	\$1,159,046		\$1,173,808		
REVENUES						
USE OF MONEY / PROPERTY						
44002 Interest on Pooled Cash	11,747	8,580	8,580	8,580	0	0.00%
44003 Other Interest Earnings	0	0	0	0	0	N/A
44050 Unrealized Gains and Losses	(6,275)	0	0	0	0	N/A
SUBTOTAL	5,472	8,580	8,580	8,580	0	0.00%
OTHER FINANCING SOURCES						
47101 Transfers In - within a Fund	41,812	47,394	47,394	47,394	0	0.00%
47102 Transfers In - btw Govtl Funds	0	0	0	0	0	N/A
SUBTOTAL	41,812	47,394	47,394	47,394	0	0.00%
TOTAL REVENUES	47,284	55,974	55,974	55,974	0	0.00%
EXPENDITURES						
SERVICES AND SUPPLIES						
51242 Bank Charges	393	500	500	500	0	0.00%
SUBTOTAL	393	500	500	500	0	0.00%
OTHER CHARGES						
53103 Interest on LT Debt	40,711	40,712	40,712	40,712	0	0.00%
53104 Other Interest Expense	(1,685)	0	0	0	0	N/A
53105 Costs of Issuance	0	0	0	0	0	N/A
SUBTOTAL	39,027	40,712	40,712	40,712	0	0.00%
OTHER FINANCING USES						
57011 Transfers Out - within a Fund	0	0	0	1,170,000	1,170,000	N/A
SUBTOTAL	0	0	0	1,170,000	1,170,000	N/A
ADMIN. CONTROL ACCOUNT						
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
TOTAL EXPENDITURES	39,420	41,212	41,212	1,211,212	1,170,000	2838.98%
Adjustments to Reserves/Encumbrances:						
Proceeds Bond Issuance	0	0		0		
Restricted Cash w/Fiscal Agent	0	0		0		
Principal Payment	0	0		0		
Deposit to Cost of Issuance Fund	0	0		0		
Amortization of Bond Premium	(1,685)	0		0		
Unrealized Gain/ Loss (GASB 31)	6,275	0		0		
Change in Reserved Fund Balance	0			0		
Rounding	0	0		0		
ENDING FUND BALANCE	\$1,159,046	\$1,173,808		\$18,570		

**FY 2018-19 BUDGET
BEGINNING AND ENDING CASH SUMMARY**

Section Title: Common Facilities Revenue Bonds 2019
 Section/Fund No: 44310

Account Title	Actual 2016-2017	Estimated 2017-2018	Adopted 2017-2018	Requested 2018-19	Difference	Percent Change
BEG. FUND BALANCE	\$0	\$0		\$0		
REVENUES						
USE OF MONEY / PROPERTY						
44002 Interest on Pooled Cash	0	0	0	12,870	12,870	N/A
44003 Other Interest Earnings	0	0	0	0	0	N/A
44050 Unrealized Gains and Losses	0	0	0	0	0	N/A
SUBTOTAL	0	0	0	12,870	12,870	N/A
OTHER FINANCING SOURCES						
47101 Transfers In - within a Fund	0	0	0	1,017,876	1,017,876	N/A
47102 Transfers In - btw Govtl Funds	0	0	0	0	0	N/A
SUBTOTAL	0	0	0	1,017,876	1,017,876	N/A
TOTAL REVENUES	0	0	0	1,030,746	1,030,746	N/A
EXPENDITURES						
SERVICES AND SUPPLIES						
51242 Bank Charges	0	0	0	4,087	4,087	N/A
SUBTOTAL	0	0	0	4,087	4,087	N/A
OTHER CHARGES						
53103 Interest on LT Debt	0	0	0	317,547	317,547	N/A
53104 Other Interest Expense	0	0	0	0	0	N/A
53105 Costs of Issuance	0	0	0	367,826	367,826	N/A
SUBTOTAL	0	0	0	685,373	685,373	N/A
OTHER FINANCING USES						
57011 Transfers Out - within a Fund	0	0	0	5,200,000	5,200,000	N/A
57012 Transfers Out - btw Govtl Fund	0	0	0	0	0	N/A
SUBTOTAL	0	0	0	5,200,000	5,200,000	N/A
ADMIN. CONTROL ACCOUNT						
59004 Administrative Control Account	0	0	0	243,627	243,627	N/A
59005 Admin Control Acct Clearing	0	0	0	(243,627)	(243,627)	N/A
SUBTOTAL	0	0	0	0	0	N/A
TOTAL EXPENDITURES	0	0	0	5,889,460	5,889,460	N/A
Adjustments to Reserves/Encumbrances:						
Long Term Debt proceeds	0	0		0		
Increase/(Decrease) in Bonds Payable	0	0		0		
Unrealized Gains and Losses	0	0		0		
Proceeds Bond Issuance	0	0		9,400,000		
Deposit to Cost of Issuance Fund	0	0		0		
Restricted Cash w/Fiscal Agent	0	0		0		
Principal Payment	0	0		(243,627)		
Revenue Bonds Pay - Change in Current l	0	0		0		
Amortization of Bond Premium	0	0		0		
Change in Reserved Fund Balance	0	0		0		
Post Audit Adjustments - Closing COI	0	0		0		
Loss on Refunding of Debt	0	0		0		
Unrealized Gain/ Loss (GASB 31)	0	0		0		
Rounding	0	0		0		
ENDING FUND BALANCE	\$0	\$0		\$4,297,659		

**FY 2018-19 BUDGET
BEGINNING AND ENDING CASH SUMMARY**

Section Title:

Sonoma Aqueduct Revenue Bonds 2019

Section/Fund No:

44315

Account Title	Actual 2016-2017	Estimated 2017-2018	Adopted 2017-2018	Requested 2018-19	Difference	Percent Change
BEGINNING FUND BALANCE	\$0	\$0		\$0		
REVENUES						
USE OF MONEY / PROPERTY						
44002 Interest on Pooled Cash	0	0	0	10,296	10,296	N/A
44003 Other Interest Earnings	0	0	0	0	0	N/A
44050 Unrealized Gains and Losses	0	0	0	0	0	N/A
SUBTOTAL	0	0	0	10,296	10,296	N/A
OTHER FINANCING SOURCES						
47101 Transfers In - within a Fund	0	0	0	227,398	227,398	N/A
47102 Transfers In - btw Govtl Funds	0	0	0	0	0	N/A
SUBTOTAL	0	0	0	227,398	227,398	N/A
TOTAL REVENUES	0	0	0	237,694	237,694	N/A
EXPENDITURES						
SERVICES AND SUPPLIES						
51242 Bank Charges	0	0	0	913	913	N/A
SUBTOTAL	0	0	0	913	913	N/A
OTHER CHARGES						
53103 Interest on LT Debt	0	0	0	70,941	70,941	N/A
53104 Other Interest Expense	0	0	0	0	0	N/A
53105 Costs of Issuance	0	0	0	82,174	82,174	N/A
SUBTOTAL	0	0	0	153,115	153,115	N/A
OTHER FINANCING USES						
57011 Transfers Out - within a Fund	0	0	0	0	0	N/A
SUBTOTAL	0	0	0	0	0	N/A
ADMIN. CONTROL ACCOUNT						
59004 Administrative Control Account	0	0	0	54,427	54,427	N/A
59005 Admin Control Acct Clearing	0	0	0	(54,427)	(54,427)	N/A
SUBTOTAL	0	0	0	0	0	N/A
TOTAL EXPENDITURES	0	0	0	154,028	154,028	N/A
Adjustments to Reserves/Encumbrances:						
Unrealized Gains and Losses	0	0		0		
Proceeds Bond Issuance	0	0		2,100,000		
Restricted Cash w/Fiscal Agent	0	0		0		
Principal Payment	0	0		(54,427)		
Deposit to Cost of Issuance Fund	0	0		0		
Amortization of Bond Premium	0	0		0		
Unrealized Gain/ Loss (GASB 31)	0	0		0		
Change in Reserved Fund Balance	0	0		0		
Rounding	0	0		0		
ENDING FUND BALANCE	\$0	\$0		\$2,129,238		

REVENUE BOND / STATE LOAN CHARGES - WATER RATES AND ESTIMATED REVENUES FOR FY18-19

A. ANNUAL DEBT SERVICE REQUIREMENTS

	Common Facilities	Watershed Plan Restoration	Water Conservation	Storage Facilities	Sonoma Pipeline Facilities
2012 A Revenue Bond	44275	TBD	TBD	44280	44285
PRINCIPAL	228,113			162,908	133,980
INTEREST	145,502			103,876	85,471
FISCAL AGENT FEES	2,000			1,500	1,500
DEBT ISSUANCE COSTS					
Total Individual Bond Payments	375,615	0		268,284	220,951
Bond Reserve	56,342	0		40,243	33,143
Total Individual Bond Debt Service	431,957	0		308,527	254,094
2015A Revenue Bond	44295			44290	44305
PRINCIPAL	155,649			579,352	0
INTEREST	465,617			264,090	40,712
FISCAL AGENT FEES	4,000			4,000	500
DEBT ISSUANCE COSTS					
Total Individual Bond Payments	625,266			847,442	41,212
Bond Reserve (fully funded)	93,790			127,116	6,182
Total Individual Bond Debt Service	719,056			974,558	47,394
2019A Revenue Bond					
PRINCIPAL	243,627				54,427
INTEREST	317,547				70,941
FISCAL AGENT FEES	4,087				913
DEBT ISSUANCE COSTS	367,826				82,174
Total Individual Bond Payments	933,087			0	208,456
Bond Reserve (fully funded)	84,789			0	18,942
Total Individual Bond Debt Service	1,017,876			0	227,398
2013 Capital Fund Loan Requirement					
PRINCIPAL	0				
INTEREST	0				
FISCAL AGENT FEES	0				
DEBT ISSUANCE COSTS	0				
DISCOUNT/BONDS	0				
Total Individual Loan Payments	0				
Loan Reserve					
Total Individual Loan Debt Service	0				
2013 Santa Rosa AQ Capital Fund Loan					
PRINCIPAL					
INTEREST					
FISCAL AGENT FEES					
DEBT ISSUANCE COSTS					
DISCOUNT/BONDS					
Total Individual Loan Payments					
Loan Reserve					
Total Individual Loan Debt Service	0			0	0
2013 Petaluma AQ Capital Fund Loan					
PRINCIPAL					
INTEREST					
FISCAL AGENT FEES					
DEBT ISSUANCE COSTS					
DISCOUNT/BONDS					
Total Individual Loan Payments					
Loan Reserve					
Total Individual Loan Debt Service	0			0	
<u>1. 09/10 Financing Exp for Common Fac incl above until index established</u>	Mirabel Generators	TBD - RRIFR	TBD - Water Ed Bldg	TBD - Oakmont Pipeline	
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 FY18-19

A. ANNUAL DEBT SERVICE REQUIREMENTS

	Common Facilities	Watershed Plan Restoration	Water Conservation	Storage Facilities	Sonoma Pipeline Facilities
Total Individual Financing Debt Service	0	0	0	0	0
	44265				
SRF LOAN	675439				
PRINCIPAL	793,731			N.A	N.A
INTEREST	246,502			N.A	N.A
Total Individual Loan Payments	1,040,233				
Reserve Requirement	156,035				
Total SRF Debt Service	1,196,268				
SRF LOAN RESERVE RESERVE				N.A	N.A
Total SRF Debt Service	1,196,268				
TOTAL DEBT SERVICE	\$3,365,157	\$0	\$0	\$1,283,085	\$528,885
LESS REV. FROM N. MARIN REV. BOND CHARGES	290,814				
REMAINING REVENUE REQUIREMENT	\$3,074,343	\$0	\$0	\$1,283,085	\$528,885

B. CALCULATIONS OF WATER RATES FOR FY18-19

	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	\$3,074,343.37	\$0	\$0	\$1,283,085	\$528,885
APPLICABLE BASE WATER DELIVERIES IN A.F.	31,263.57	41,698.0	41,698.0	31,263.57	3,706.8
CHARGES PER ACRE-FEET	\$98.34	\$0.00	\$0.00	\$41.04	\$142.68

C. CALCULATIONS OF NORTH MARIN REVENUE BONDS CHARGE

REVENUE REQUIREMENT FOR COMMON FACILITIES DEBT SERVICE (Remaining Facilities per RA 4.3a2)	2,347,281
N. MARIN'S SHARE (REV. REQMT. FOR COMMON FAC. DEBT SERVICE X (11.2/90.4))	290,814
ESTIMATED WATER DELIVERIES TO NORTH MARIN (IN A.F.)	5,166
NORTH MARIN REVENUE BONDS CHARGE	56.29
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))	-
ESTIMATED WATER DELIVERIES TO NORTH MARIN (IN A.F.)	5,166
NORTH MARIN REVENUE BONDS CHARGE	-
Common Facilities	
Debt Service RA 4.3a2 (remaining facilities)	2,347,281
N. Marin's Share (11.2/90.4)	290,814
Estimated Water Deliveries to N. Marin	5,166.3
Applicable portion of the N. Marin R. Bonds Charge	\$56.29
	Total Revenue Required
	Debt service - Additional Facilities
	\$2,347,281
	Revenue base for NMWD
	\$2,347,281
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	5,166 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
	290,814
	NMWD Total Bonds Charge
	\$56.29

FY 2018-19 BUDGET
Water Transmission System - Fund Balances and Operating Transfers

Fund	Index	OT Out (57012)	To	OT In (47102)	Fund Bal. (Stmnt.)	Fund Bal. (Cash)	Diff.
Santa Rosa Aq. Capital Fund	44230	0		407,973	6,969,309	6,969,309	(0)
Petaluma Aq. Capital Fund	44235	0		225,359	6,724,810	6,724,810	0
Sonoma Aq. Capital Fund	44240	0		1,390,000	1,942,480	1,942,480	0
Sonoma Rev Bond 2012 Fund	44285	220,000	Sonoma AQ	254,094	2,355	2,355	0
Sonoma Rev Bond 2015 Fund	44305	1,170,000	Sonoma AQ	47,394	18,570	18,570	0
Sonoma Rev Bond 2019 Fund				227,398	2,129,238	2,129,238	
Storage Rev Bond 2012 Fund	44280	0	Storage Facilities	308,527	117,897	117,898	1
Storage Rev Bond 2015 Fund	44290	10,000	Storage Facilities	974,558	490,181	490,181	(0)
Common Rev Bond 2012 Fund	44275	210,000	Common Facilities	431,957	8,687	8,687	(0)
Common Rev Bond 2015 Fund	44295	120,000	Common Facilities	719,056	10,307	10,307	0
Common Rev Bond 2019 Fund		5,200,000	North Marin	1,017,876	4,297,659	4,297,659	
State Loan Debt Service	44265	150,000	Common Facilities	1,196,268	16,844	16,844	0
State Loan Reserve	44270	0		0	4,000	4,000	0
Capital Lease Financing		0		0	0	0	0
Agency Fund (Discretionary)	44205	1,956,626	Common Facilities	0	2,619,546	2,619,546	0
Agency Fund (Charges)	44205	11,664,411		0			
Pipeline Facilities	44255			0	0	0	0
Storage Facilities	44250			10,000	53,614	53,615	0
Common Facilities	44260			8,280,874	443,901	443,902	0
North Marin	44300	644,248		0	648,856	648,855	(0)
Water Management Planning	44210			41,772	541,464	541,465	0
Watershed Planning/Restoration	44215			3,803,958	3,468,705	3,468,706	1
Recycled Water & Local Supply	44220			122,000	274,821	274,821	0
Water Conservation	44225			1,886,222	104,927	104,927	(0)
Total		21,345,285		21,345,285	30,888,173	30,888,176	3

Common Facilities OT - in 47101 From

Water Transmission (discretionary)	1,956,626
Water Transmission (Charges)	-
North Marin	644,248
2012 Bond Fund	210,000
2015 Bond Fund	120,000
2019 Bond Fund	5,200,000
State Loan Debt Service	150,000
	<u>8,280,874</u>

O&M Rate Computation
Revenue Requirement - Transfers Out:

11,664,411

Agency Fund (Charges) OT - Out To:

<u>AQ Capital Funds</u>	
Santa Rosa Aq. Capital Fund	407,973
Petaluma Aq. Capital Fund	225,359
Sonoma Aq. Capital Fund	0
	<u>633,332</u>

Agency Fund (Charges) OT - Out To:
Summary

AQ Capital Funds	633,332
Debt Service Funds	5,177,127
WT Subfunds	5,853,952
	<u>11,664,411</u>

Debt Service Funds

Sonoma Rev Bond 2012 Fund	254,094
Sonoma Rev Bond 2015 Fund	47,394
Sonoma Rev Bond 2019 Fund	227,398
Storage Rev Bond 2012 Fund	308,527
Storage Rev Bond 2015 Fund	974,558
Common Rev Bond 2012 Fund	431,957
Common Rev Bond 2015 Fund	719,056
Common Rev Bond 2019 Fund	1,017,876
State Loan Debt Service	1,196,268
State Loan Reserve	0
Capital Lease Financing	0
	<u>5,177,127</u>

Capital Funds and North Marin 1,956,626

Total 13,621,037

See Next Page for Bond Proceeds Summary

Capital Funds and North Marin

Pipeline Facilities	0
Storage Facilities	0
Common Facilities	1,956,626
North Marin	0
	<u>1,956,626</u>

WT Subfunds

Water Management Planning	41,772
Watershed Planning/Restoration	3,803,958
Recycled Water & Local Supply	122,000
Water Conservation	1,886,222
	<u>5,853,952</u>

Total 13,621,037

2015A Water Revenue Bonds - Summary

13,600,000 Principal received

FY15-16 **FY16-17** **FY17-18** **FY18-19**
Actuals **Actuals** **Estimated** **Budget**

Sonoma Rev Bond 2015:

Bond Proceeds:	1,100,000	Fund Balance:	88,750	
Transfer Out To:	Sonoma AQ Capital Fund			Projects
	0.00	0	0	1,170,000
				Sonoma Booster Station (SBS) Pumping/Elec Upgrades
Balance:				18,750

Storage Rev Bond 2015 Fund

Bond Proceeds:	3,950,000	Fund Balance:	350,181	
Transfer Out To:	Storage Facilities			Projects
	0	350,000	1,850,000	10,000
		1,600,000		Ralphine Tanks Flow Through Project
		1,950,000	1,850,000	10,000
				Repay SR AQ Intrafund Loan
Balance:				490,181

Common Rev Bond 2015 Fund

Bond Proceeds:	8,550,000	Fund Balance:	802,048	
Transfer Out To:	Common Facilities			Projects
	3,855,046	4,166,695	1,200,000	120,000
				Mirabel Fish Screen, Mirabel Dam Bladder Replacement, Isolation Valves, MW and RR Creek Crossings
Balance:				10,307

All project allocations are based on costs net of grant funds

Per Master Ordinance, collect 1.15x debt service which generates revenue in excess of bond proceeds.

Bond Funds Expended:				
	3,855,046	6,116,695	3,050,000	1,300,000
				14,321,741
Balance:				519,238