

## Water Transmission FY 2022-2023 Draft Budget and Rates

This draft FY22-23 Water Transmission Budget is based on the 36-month average water deliveries of 45,748. The draft budget is shown in the table below:

	FY21-22	FY22-23	
	Budget (in Millions)	Budget (in Millions)	Change (in Millions)
Operations and Maintenance	\$30.54	\$38.68	\$8.14
Capital Projects	\$9.67	\$13.25	\$3.58
Biological Opinion Compliance, Water Supply Planning, Water Conservation	\$11.05	\$13.89	\$2.84
Debt Service	\$4.85	\$6.01	\$1.16
Totals	\$56.11	\$71.83	\$15.72
Grants, Use of Fund Balance, and Bond Proceeds	\$8.49	\$15.31	\$6.82

Budget and Rate Reduction Measures: Changes made since January 21, 2022 Draft Water Transmission Budget:

- Decreased rate increase from 9.99% to 6.84% (Santa Rosa and Petaluma Aqueducts) and 6.52% (Sonoma Aqueduct).
- Water Contractors elected to lower Aqueduct Capital Charge to further decrease rate increase to 6.06% (Santa Rosa Aqueduct) and 6.16% (Petaluma Aqueduct).
- Sonoma Aqueduct Water Contractors elected to keep Aqueduct Capital Charge at \$38/AF resulting in a rate increase of 6.52%.
- Decreased O&M project costs by \$1.47 million.
- Increased use of fund balance by \$2.5 million to \$7.2M.
- 2022 sale of \$15M in Revenue Bonds.
- Decreased debt service costs by \$300,000. Bond issuance costs moved to FY21-22.
- Increased Water Conservation Rate to maintain positive fund balance.
- Increased costs by \$2.51M for Dry Creek Habitat Enhancement Projects.
- Total Cost per gallon is \$0.003.

Highlights of projects included in the FY22-23 Draft Water Transmission System Budget are summarized below.

### Capital Projects

Investing in Infrastructure; Issue up to \$15M in Water Revenue Bonds

#### Construction: Hazard Mitigation Projects: \$2.03M

- Ely BPS Flood Control & Electrical Upgrade – offsetting grant revenue
- Mark West Creek Crossing Seismic Hazard Mitigation – offsetting grant revenue
- Russian River Crossing Seismic Hazard Mitigation – offsetting grant revenue

#### Design: Hazard Mitigation Capital Projects: \$1.14M

- Bennett Valley Fault Crossing
- Local Hazard Mitigation Seismic Program Design
- Santa Rosa Creek Crossing Seismic Hazard Mitigation
- Seismic Retrofit of Storage Tanks

### Construction: Other Capital Projects: \$3.45M

- Warm Springs Dam Hydro Turbine Retrofit
- Wohler Bridge Fiber Optic Cable
- Wohler Plant Access Rd. Retaining Wall

### Design: Other Capital Projects: \$6.63M

- Kawana-Ralphine Sonoma Booster Station Pipeline
- Mirabel/Wohler Storage Building
- RDS Pump and Motor Control Center Replacement
- Sebastopol/Occidental Road Wells: Drought Mitigation Rehabilitation and Aquifer Storage and Recovery – offsetting grant revenue
- South East Greenway Acquisition
- Todd Road Well - Recirculation/Automation/Disposal
- Wilfred Booster Station Upgrade

### **Operations and Maintenance - \$38.7M**

#### Projects

- Asset Management Program
- Cathodic Protection – Santa Rosa AQ/Cotati AQ
- Collector Well Pumpset Replacement
- Emergency Inventory Procurement (per 2019 Grand Jury Report)
- Main line valve replacements
- Mirabel Well Fields #1 and #7 - Full Rehabilitation
- Petaluma AQ leak repair
- SCADA Improvements
- Tank Recoats (2 tanks)
- Todd Road Well Maintenance
- Value, Meter, and Motor Replacements/Repair; Leak Repairs
- Wildfire Vegetation Management

#### Studies

- Collector Wells, AQs, Tanks Seismic Mitigation Study
- CPT Investigation for Liquefaction Mitigation
- Groundwater Banking Feasibility - Pilot Studies
- Hydrography Study
- LHMP Program
- Mirabel 12kv Multi-Hazard Resiliency FS
- Regional Water Supply Resiliency Study
- Transmission System Monitoring Master Plan
- Watershed Water Quality Monitoring - USGS
- Watershed Water Quality Study – LBNL
- Water Transmission System Transient Analysis
- Wohler Motor Control Center & Chlorine Storage Facility Assessment

### **Biological Opinion**

Dry Creek Habitat Enhancement Phase 4 design activities have been completed. The U.S Army Corps anticipates construction of Phase 4 in the summer of 2022. Right-of-way activities are ongoing for all three phases. Sonoma water has pending expenditure credits under review by the U.S. Army Corp. The credits may offset a portion of Sonoma Water’s 35% cost share for Phase 4 construction costs. The draft budget includes ongoing costs for Phases 5 and 6 design, right-of way, and construction and other required biological opinion activities.

Among other ongoing biological opinion activities, Sonoma Water staff are currently working on revisions in anticipation of recirculating the Draft EIR in 2022.

**Water Conservation**

- Sonoma Water and the Sonoma Marin Saving Water Partnership plan to continue work on drought related initiatives and corresponding outreach and education activities.
- Sonoma Water in collaboration with the water contractors and other partners will implement water use efficiency, water conservation, and other projects to increase water supply reliability. Costs will be offset by a U.S. Bureau of Reclamation WaterSMART Water and Energy Efficiency Grant.

**Summary**

The draft proposed budget for FY 2022/2023 is based on accomplishing the required elements of the Biological Opinion, continued implementation of hazard mitigation and reliability projects, projects responsive to the extreme drought conditions, and maintenance of facilities. Alternative sources of revenue including federal and state grants, existing fund balances, and bond financing will be used to finance projects. A discretionary aqueduct capital charge is included in the budget to build fund balance for future capital projects and avert rate spikes in subsequent years. This budget allows Sonoma Water to meet the operations, maintenance, capital, and regulatory demands of the system, and maintains fund balances within policy for prudent reserve.

Sonoma Water recognizes the profound impact of the COVID-19 pandemic to many residents, businesses, and our retail water contractors throughout our county and beyond. In response to the far-reaching financial hardships, Sonoma Water made a conscious effort to keep rate increases in FY21-22 at a minimum while continuing to maintain system reliability and public health and safety. Mitigation measures included using fund balance, bond revenue, and grants to the maximum extent possible, and realizing cost savings of \$1.3 million by deferring construction and maintenance projects.

This proposed budget exceeds the rate increases in line with the Long Range Financial Plan target of 4 to 6 percent. The proposed rate increase is necessary to invest in critical infrastructure improvements and deferred maintenance, implement drought related water reliability projects, and remain prepared for natural hazards.

Proposed rates are shown in the table below:

Charge / Aqueduct	Santa Rosa	Petaluma	Sonoma
Deliveries (Acre-Feet)	45,748		
O&M	\$816.03	\$816.03	\$816.03
Water Management Planning	\$0.20	\$0.20	\$0.20
Watershed Planning & Restoration	\$32.70	\$32.70	\$32.70
Recycled Water and Local Supply	\$0.50	\$0.50	\$0.50
Water Conservation	\$47.50	\$47.50	\$47.50
<b>Total O&amp;M</b>	<b>\$896.93</b>	<b>\$896.93</b>	<b>\$896.93</b>
Storage & Common Bond/Loan Charges	\$153.11	\$153.11	\$153.11
Sonoma Aqueduct Bond/Loan Charge			\$131.87
<b>Prime Contractors</b>	<b>\$1,050.04</b>	<b>\$1,050.04</b>	<b>\$1,181.90</b>
<b>Discretionary Charges</b>			
Capital Charges - to build fund balance for future projects	\$11.00	\$12.00	\$38.00
<b>Total Prime Contractors</b>	<b>\$1,061.04</b>	<b>\$1,062.04</b>	<b>\$1,219.90</b>
Total Overall Increase:	6.06%	6.16%	6.52%

- **Deliveries: (Budget Packet Pages 9-14):**
  - FY 2022-2023: rates are based on budgeted deliveries of **45,748 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 (45,748 AF) or the last 12 months of water deliveries (Calendar Year (CY) 2021: 45,788 AF). Actual deliveries for CY 2021 were 4.1% less than CY 2020: 47,748 AF. FY 2022-2023 budgeted deliveries are 0.75% less than FY 2021-2022 budgeted deliveries.
  - FY 2021-2022: budgeted deliveries for rate calculation were based on average annual water deliveries for the prior 36 months (46,095 AF). Actual FY deliveries will be determined at the end of FY 2021-2022. Current trend indicates actuals may be less than budget by 10% but the figures will be significantly affected by winter rain levels and drought conditions.
  - FY 2020-2021: budgeted deliveries were 43,707 AF. Actual deliveries were 51,848 AF (18.6% higher).
  
- **Operations and Maintenance (O&M) – Water Transmission O&M Fund (Budget Packet Pages 15-23):**
  - 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	\$130.11	19.0%	Increase due to cathodic protection projects and tank recoat projects.
Revenue	\$2,171,000	4.6%	Increase in revenue is attributable to the rate increase.
Expenditures	\$2,531,000	4.6%	Increase is attributable to an increase in maintenance projects (cathodic protection, tank recoats, pump and valve replacements, chlorine and pH improvement projects, SCADA upgrades), studies (Regional Water Supply Resiliency, Watershed and Water Quality Seismic Mitigation Studies, Local Hazard Mitigation Plan), and emergency inventory procurement.

Factors affecting the O&M rate:

O&M Fund Expenditures	Increase (Decrease) in Dollars	Percent Change	Description
Labor	\$842,000	5.1%	Increase is attributable to an increase in labor for maintenance projects (cathodic protection, tank recoats, pump and valve replacements, chlorine and pH improvement projects, SCADA upgrades), studies (Regional Water Supply Resiliency, Watershed and Water Quality Seismic Mitigation Studies, Local Hazard Mitigation Plan), and emergency inventory procurement.
Power	\$0	0.0%	No increase anticipated over FY2021-2022 budget.
Chemicals	(\$200,000)	-22.2%	Reflects prior year actuals and five-year average expenditures.
Testing/Analysis	\$15,000	11.1%	Increase due to water quality testing to support USGS and Lawrence Berkeley National Laboratory Studies.
Contract Services	\$5,683,000	96.7%	Increase due to tank maintenance, cathodic protection, SCADA upgrade contracts which make up more than 75% of the total cost.
Maintenance - Equipment	\$1,821,000	124.3%	Increase for collector well pump and valve replacements and chlorine and pH projects to build system resiliency.
Small Tools - Instruments	(\$50,000)	-33.3%	Reflects prior year actuals and five-year average expenditures.
Operating Transfers	(\$5,259,000)	-33.8%	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 24-33):**

- 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.

Water Management Planning	Increase (Decrease) in Dollars	Percent Change	Description
Rate per AF	\$0.20	19573.1%	Fiscal Year 2021/2022 rate is \$0.00. Fund is for Urban Water Management Plan updates. Past rate increases have accumulated fund balance. Urban Water Management Plan was submitted in Fiscal Year 2021.
Revenue	\$9,000	480.6%	Using an estimated \$66,000 in fund balance to decrease rate increase and smooth overall rate increase.
Expenditures	(\$5,000)	-6.3%	Budget decrease is due to submittal of the Fiscal Year 2021 Urban Water Management Plan in Fiscal Year 2020/2021. Budget request is 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	(\$99.96)	-75.3%	Fiscal Year 2021/2022 rate is \$132.66. Decrease due to use of fund balance as Sonoma Water continues to be credited by the U.S. Army Corps for expenditure of cost share. Work continues for design and right-of-way expenditures for Dry Creek Habitat Enhancement phases 5 and 6, construction of phases 4 and 5, and other required biological opinion activities. Up to \$7,500,000 in fund balance is being used for design and construction costs to smooth rate impact.
Revenue	(\$4,937,000)	-70.9%	Decrease in subfund rate resulting from use of fund balance for ongoing Dry Creek Habitat Enhancement phases 4, 5 and 6, and other required biological opinion activities.
Expenditures	\$1,702,000	23.3%	Increase in expenditures for construction of Dry Creek Habitat Enhancement phase 4. Budget includes ongoing costs for phases 5 and 6 design, right-of way, and construction and other required biological opinion activities.

- Recycled Water and Local Supply:
  - Expenditures are for planning, design, and implementation of recycled water and local supply projects. The fund previously included 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	(\$0.43)	-45.9%	Fiscal Year 2021/2022 rate is \$0.93. Past rate increases have accumulated sufficient fund balance for this fund.
Revenue	(\$21,000)	-46.0%	Using up to \$33,000 in fund balance to decrease rate increase and smooth overall rate increase.
Expenditures	(\$45,000)	-44.6%	Expenditures are for Sonoma Water's share of Groundwater Sustainability Agencies' budgets.

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

Water Conservation	Increase (Decrease) in Dollars	Percent Change	Description
Rate per AF	\$3.06	6.9%	Fiscal Year 2021/2022 rate is \$44.44. Rate increase is for program needs including Proposition 1 Bay Area grant program and USBR Water Use Efficiency Grant Program.
Revenue	\$1,191,000	37.6%	Using up to \$586,000 in fund balance to reduce conservation fund rate increase and smooth overall rate increase.
Expenditures	\$1,192,000	33.4%	Increase will be used to implement water use efficiency, outreach and education projects, address drought conditions and ongoing water conservation needs, and pass-through grant funds to water contractors and other partners.

- **Storage, Common, and Sonoma Bond/Loan Charges: (Budget Packet Pages 44-58):**

- The rates are calculated by dividing the annual debt service and reserve requirements (2012A, 2015A, 2019A, and 2022A Water Revenue Bonds) by water deliveries. FY22-23 new money financing (Water Revenue Bonds 2022A): Total \$15M at 3% for 25 years (matures in 2046).

Storage and Common Bond/Loan Charges	Increase (Decrease) in Dollars	Percent Change	Description
Storage Bond/Loan Charge	\$3.43	14.8%	Fiscal Year 2021/2022 rate is \$23.12. Rate is based on revenue requirement for debt service divided by water deliveries. Rate increase is due to decrease in budgeted water deliveries, and issuance of 2022 Bonds for capital expenditure needs in Storage Facilities.
Common Bond/Loan Charge	\$33.17	35.5%	Fiscal Year 2021/2022 rate is \$93.39. Rate is based on revenue requirement for debt service divided by water deliveries. Rate increase is due to decrease in budgeted water deliveries, and issuance of 2022 Bonds for capital expenditure needs in Common Facilities.
Sonoma Aqueduct Bond/Loan Charge	\$5	4.1%	Fiscal Year 2021/2022 rate is \$126.72. Sonoma Aqueduct pays an additional revenue bond charge for the bonds associated with the Eldridge-Madrone Pipeline Project. Rate is based on revenue requirement for debt service divided by water deliveries. Rate increase is due to decrease in budgeted water deliveries.

- **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 to provide rate stabilization capacity.
- The FY 2021-2022 budget included a rate per AF of \$20 for the Santa Rosa and Petaluma Aqueducts, and \$38 for the Sonoma Aqueduct.
- The FY 2022-2023 draft budget includes a \$11 per Acre-Foot charge for the Santa Rosa Aqueduct, a \$12 per Acre-Foot charge for the Petaluma Aqueduct, and a \$38 per Acre-Foot charge for the Sonoma Aqueduct.

- Aqueduct Capital Charges provide rate stabilization capacity and funding for future hazard mitigation projects.
- **Overall Draft Proposed Rate Increases: (Budget Packet Pages 1-8):**
  - 6.06% (Santa Rosa Aqueduct); 6.16% (Petaluma Aqueduct); 6.52% (Sonoma Aqueduct)
  - FY 2022-2023 budgeted deliveries are based on the average annual water deliveries for the past 36 months (45,748 AF). FY 2022-2023 budgeted deliveries are 0.75% less than FY 2021-2022 budgeted deliveries.
  - The FY2022-2023 budget accommodates an increase in maintenance projects (cathodic protection, pump and valve replacements, chlorine and pH improvement projects, tank recoats), studies (Regional Water Supply Resiliency, Watershed and Riverbank Filtration Water Quality Studies and fire related water quality studies), emergency response planning and training, Biological Opinion Flow EIR and Dry Creek Habitat Enhancement design and right-of-way for phases 5, and 6, and construction for phases 4 and 5; and investment in hazard mitigation and other capital infrastructure projects.

**FY 2022-2023 Capital Projects**

**(Budget Packet Pages 34-43):**

<b>Water Transmission Budget</b>		<b>FY22-23</b>	
<b>Capital Projects Summary</b>			
<b>Project</b>	<b>Category</b>	<b>Amount</b>	<b>Status</b>
Santa Rosa Creek Crossing	Santa Rosa AQ	50,000	Funding de-obligated; re-evaluating project design and schedule
Ely BPS Flood Control & Electrical Upgrade	Petaluma AQ	510,215	Anticipated award FY21/22; Offsetting Revenue
LHMP - Program Design	Petaluma AQ	40,000	Preliminary design/Consultant selection 22/23
Marin Sonoma Narrows Segment C2	Petaluma AQ	391,000	Project being completed by Caltrans. Expect final payments in FY22/23
Bennett Valley Fault Crossing	Sonoma AQ	25,000	Preliminary design/Consultant selection 22/23
Kawana-Ralphine SBS Pipeline	Storage	25,000	Preliminary design/Consultant selection 22/23
Bennett Valley Fault Crossing	Storage	25,000	Preliminary design/Consultant selection 22/23
Seismic Retrofit of Storage Tanks	Storage	1,000,000	Preliminary design; Tied to Tank Recoat schedule
South East Greenway Acquisition	Storage	50,000	ROW Negotiations
Mirabel/Wohler Storage Building	Common	1,200,000	Preliminary design
MW Creek Crossing	Common	835,700	FY21/22 award; construction summer 22; Offsetting Revenue
RDS Pump and Motor Control Center Replacement	Common	366,710	Preliminary design; award in FY23/24
RR Crossing	Common	682,500	Awarded FY20/21; construction commenced FY21/22, completion 22/23; Offsetting Revenue
Seb/Occ Well - Rehab & ASR	Common	4,250,000	Design advancing; DWR grant award FY21/22; construction start FY22/23; Offsetting Revenue
Todd Road Well - Recirculation/Automation/Disposal	Common	500,000	Design; construction 22/23
Warm Springs Dam Hydroturbine Retrofit	Common	2,720,409	Reject/Rebid; 90% design; FY21/22 funds used for Todd Road Well Construction
Wilfred Booster Station	Common	236,920	Design @ 60%
Wohler Bridge Fiber Optic Cable	Common	50,000	Public Works Project expected summer 22/23
Wohler Plant Access Rd. Retaining Wall	Common	292,227	90% design; Construction 22/23
	<b>TOTAL</b>	<b>13,250,681</b>	
	Santa Rosa AQ	50,000	
	Petaluma AQ	941,215	
	Sonoma AQ	25,000	
	Storage	1,100,000	
	Common	11,134,466	
		<b>13,250,681</b>	

**Sonoma County Water Agency**  
**Fiscal Year 2022/2023 Draft Water Transmission Budget and Rates**

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Fiscal Year 2022/2023

Prime Contractor Rates Summary

	<b>CHARGE PER ACRE FOOT:</b>			FY21-22			Percent Change
	Santa Rosa	Petaluma	Sonoma	SR	Pet	Son	
	Aqueduct	Aqueduct	Aqueduct				
<b>O&amp;M Charge [4.2]</b>	816.03	816.03	816.03	\$685.92	\$685.92	\$685.92	18.97%
<b>Water Management Planning Sub-charge [4.13]</b>	0.20	0.20	0.20	\$0.00	\$0.00	\$0.00	19573.09%
<b>Watershed Planning/Restoration Sub-charge [4.14]</b>	32.70	32.70	32.70	\$132.66	\$132.66	\$132.66	-75.35%
<b>Recycled Water &amp; Local Supply Sub-charge [4.15]</b>	0.50	0.50	0.50	\$0.93	\$0.93	\$0.93	-45.94%
<b>Water Conservation Sub-charge [4.16]</b>	47.50	47.50	47.50	\$44.44	\$44.44	\$44.44	6.89%
<b>O&amp;M Charge</b>	<b>896.93</b>	<b>896.93</b>	<b>896.93</b>	\$863.95	\$863.95	\$863.95	3.82%
<b>Storage and Common Bond &amp; Loan Charges</b>	153.11	153.11	153.11	\$116.51	\$116.51	\$116.51	31.41%
<b>Sonoma Aqueduct Bond Charge</b>			131.87			\$126.72	4.1%
<b>PRIME CONTRACTORS</b>	<b>\$1,050.04</b>	<b>\$1,050.04</b>	<b>\$1,181.90</b>	\$980.46	\$980.46	\$1,107.18	7.10%
<b>Capital Charges - to build fund balance for future projects</b>	11.00	12.00	38.00	\$20.00	\$20.00	\$38.00	-45%
<b>PRIME CONTRACTORS</b>	11.00	12.00	38.00	\$20.00	\$20.00	\$38.00	-45%
<b>TOTAL PRIME CONTRACTORS</b>	<b>\$1,061.04</b>	<b>\$1,062.04</b>	<b>\$1,219.90</b>	\$1,000.46	\$1,000.46	\$1,145.18	6.06%
Increase from Fiscal Year 2021/2022	6.06%	6.16%	6.52%	3.47%	3.47%	3.43%	
With No Capital Charge	4.96%	4.96%	3.21%				

Deliveries:

	12-month	36-month
FY13-14	45,960	
FY14-15		46,000
FY15-16	50,590	
FY16-17	40,524	
FY17-18	41,446	
FY18-19		41,768
FY19-20		43,870
FY21-22	43,707	
FY22-23		45,748

Fiscal Year 2022/2023

Prime Contractor Rates Summary

**CHARGE PER ACRE FOOT:**

**Petaluma AQ**

	<b>NMWD</b>	NMWD	Percent Change
	FY22-23	FY21-22	
<b>O&amp;M Charge [4.2]</b>	816.03	\$685.92	18.97%
<b>Water Management Planning Sub-charge [4.13]</b>	0.20	\$0.00	19573.09%
<b>Watershed Planning/Restoration Sub-charge [4.14]</b>	32.70	\$132.66	-75.35%
<b>Recycled Water &amp; Local Supply Sub-charge [4.15]</b>	0.50	\$0.93	-45.94%
<b>Water Conservation Sub-charge [4.16]</b>	47.50	\$44.44	6.89%
<b>O&amp;M Charge</b>	896.93	\$863.95	3.82%
<b>North Marin Bond &amp; Loan Charge [4.9]</b>	75.61	\$56.82	33.06%
<b>Russian River Conservation Charge [4.18 (a)]</b>	115.36	\$115.94	-0.50%
<b>Russian River Projects Charge [4.18 (b)]</b>	13.92	\$10.63	30.95%
<b><u>TOTAL NMWD</u></b>	<b><u>\$1,101.82</u></b>	<b><u>\$1,047.34</u></b>	<b><u>5.20%</u></b>

	Rates	Rate Increase
Town of Windsor	\$1,061.04	6.06%
Town of Windsor (Diverted Water)	\$80.90	-54.56%
NMWD	1,101.82	5.20%
MMWD	\$1,308.14	5.74%

WATER TRANSMISSION SYSTEM  
 FY22-23 WATER CHARGES PER ACRE-FOOT  
 FOR PRIME CONTRACTORS

FISCAL YEAR	SANTA ROSA AQUEDUCT	% INCR. (DECR.)	PETALUMA AQUEDUCT	% INCR. (DECR.)	SONOMA AQUEDUCT	% INCR. (DECR.)
2022 · 2023	1061.04	6.06%	1062.04	6.16%	1219.90	6.52%
2021 · 2022	1000.46	3.47%	1000.46	3.47%	1145.18	3.43%
2020 · 2021	966.95	5.30%	966.95	5.30%	1107.21	5.57%
2019 · 2020	918.30	4.60%	918.30	4.60%	1048.80	4.77%
2018 - 2019	877.88	3.67%	877.88	3.67%	1001.06	5.98%
2017 - 2018	846.78	4.98%	846.78	4.98%	944.56	5.58%
2016 - 2017	806.59	5.98%	806.59	5.98%	894.62	6.94%
2015 - 2016	761.05	4.16%	761.05	4.16%	836.55	5.46%
2014 - 2015	730.68	3.60%	730.68	3.60%	793.24	3.19%
2013 - 2014	705.30	4.95%	705.30	4.95%	768.75	3.84%
2012 - 2013	672.03	5.98%	672.03	5.98%	740.34	5.26%
2011 - 2012	634.11	5.00%	634.11	5.00%	703.33	4.28%
2010 - 2011	603.92	6.93%	603.92	6.93%	674.47	8.42%
2009 - 2010	564.78	19.88%	564.78	10.50%	622.11	27.95%
2008 - 2009	471.13	6.66%	511.13	10.71%	486.22	7.22%
2007 - 2008	441.70	2.41%	461.70	2.31%	453.49	2.46%
2006 - 2007	431.29	4.51%	451.29	4.30%	442.60	4.26%
2005 - 2006	412.68	2.53%	432.68	2.41%	424.53	2.44%
2004 - 2005	402.51	2.19%	422.51	2.08%	414.42	1.59%
2003 - 2004	393.89	1.65%	413.89	4.02%	407.95	5.30%
2002 - 2003	387.49	1.10%	397.90	3.61%	387.43	3.76%
2001 - 2002	383.29	15.88%	384.02	15.80%	373.38	16.41%
2000 - 2001	330.76	6.72%	331.61	6.60%	320.74	7.60%

**WATER TRANSMISSION SYSTEM  
FY22-23 REVENUE SUMMARY CHART**

WATER CUSTOMER	FY22-23 Budgeted Water Use (Acre-Feet)	FY21-22 Rate \$/Acre-Foot	FY22-23 Proposed Rate \$/Acre-Foot	Dollar Change	Percent Change
Santa Rosa Aqueduct	17,252	\$1,000.46	\$1,061.04	\$60.58	6.06%
Petaluma Aqueduct	9,415	1,000.46	1,062.04	\$61.58	6.16%
Sonoma Aqueduct	4,037	1,145.18	1,219.90	\$74.72	6.52%
North Marin Water District	6,455	1,047.34	1,101.82	\$54.47	5.20%
Marin Municipal – Fourth Off Peak	4,300	1,237.08	1,308.14	\$71.06	5.74%
Marin Municipal – Supplemental	2,297	1,237.08	1,308.14	\$71.06	5.74%
Forestville Aqueduct	400	1,000.46	1,061.04	\$60.57	6.05%
Wholesale/Municipal	1,052	1,374.21	1463.874	\$89.66	6.52%
Surplus	76	1,036.74	1,076.32	\$39.58	3.82%
Windsor	463	1,000.46	1,061.04	\$60.58	6.06%
<b>TOTAL</b>	45,748				

**SONOMA COUNTY WATER AGENCY RATES FOR WATER DELIVERIES IN FY22-23**

[X] ESTIMATED    [] OFFICIAL

**CHARGE PER ACRE FOOT:**

	<u>Santa Rosa Aqueduct</u>	<u>Petaluma Aqueduct</u>	<u>Sonoma Aqueduct</u>
<b>PRIME CONTRACTORS</b>			
<u>O&amp;M Charge [4.2]</u>	\$816.03	\$816.03	\$816.03
Water Management Planning Sub-charge [4.13]	\$0.20	\$0.20	\$0.20
Watershed Planning/Restoration Sub-charge [4.14]	\$32.70	\$32.70	\$32.70
Recycled Water & Local Supply Sub-charge [4.15]	\$0.50	\$0.50	\$0.50
Water Conservation Sub-charge [4.16]	\$47.50	\$47.50	\$47.50
O&M Charge	<u>\$896.93</u>	<u>\$896.93</u>	<u>\$896.93</u>
 <u>Bond &amp; Loan Charges - to pay for existing debt service</u>			
Storage Facilities Capital Charge [4.7]	26.55	26.55	26.55
Common Facilities Capital Charge [4.8]	126.56	126.56	126.56
Sonoma Aqueduct Facilities Capital Charges [4.6 b]			<u>131.87</u>
<i>Total Bond &amp; Loan Charges</i>	\$153.11	\$153.11	\$284.97
<i>Discretionary:</i>			
<u>Aqueduct Capital Charges - to build fund balance for future projects</u>			
Aqueduct Facilities Capital Charges [4.6 e]	11.00	12.00	38.00
 LRT2 - included in Recycled Water & Local Supply Sub-Charge above.			
<b>TOTAL PRIME CONTRACTORS</b>	<b>\$1,061.04</b>	<b>\$1,062.04</b>	<b>\$1,219.90</b>
Charge without LRT2 and voluntary AQ Capital Charge	\$1,050.04	\$1,050.04	\$1,181.90
<b>OTHER AGENCY CUSTOMERS/WHOLESALE CHARGES</b>			
<b>(WATER CO'S &amp; PUBLIC AGENCIES)</b>			
O&M Charge	\$896.93	\$896.93	\$896.93
Capital Charges	153.11	153.11	284.97
Aqueduct Facilities Capital Charge [4.12]	\$413.83	\$413.83	\$281.97
<b>TOTAL OTHER AGENCY CUSTOMERS/WHOLESALE CHARGES (4.12)</b>	<b>\$1,463.87</b>	<b>\$1,463.87</b>	<b>\$1,463.87</b>
<i>(120% OF HIGHEST PRIME)</i>			
<b>FORESTVILLE</b>			
O&M Charge [4.2] *	\$816.03		0.04
Water Management Planning Sub-charge [4.13]	0.20		
Watershed Planning/Restoration Sub-charge [4.14]	32.70		
Recycled Water & Local Supply Sub-charge [4.15]	0.50		
Water Conservation Sub-charge [4.16]	47.50		
O&M Charge	<u>\$896.93</u>		
<u>Bond &amp; Loan Charges - to pay for existing debt service</u>			
Aqueduct Facilities Capital Charges [4.6]	11.00		
Storage Facilities Capital Charge [4.7]	26.55		
Common Facilities Capital Charge [4.8]	126.56		
<i>Total Capital Charges</i>	<u>\$164.11</u>		
<b>TOTAL FORESTVILLE</b>	<b>\$1,061.04</b>		
* Forestville Water District was exempt from Santa Rosa Aqueduct sub-charge from FY 06/07 to FY 16/17 [4.12].			
<b>NORTH MARIN WATER DISTRICT</b>			
O&M Charge		\$896.93	Note: N. Marin pays
North Marin Bond & Loan Charge [4.9]		75.61	bond and loan charge
Russian River Conservation Charge [4.18 (a)]		115.36	in lieu of Capital Charge.
Russian River Projects Charge [4.18 (b)]		<u>13.92</u>	
<b>TOTAL NORTH MARIN WATER DISTRICT</b>		1,101.82	
<b>FOURTH OFF-PEAK (MARIN MUNICIPAL)</b>			
Highest Prime on SR and PET AQ x 1.11		\$1,178.86	
Russian River Conservation Charge		115.36	
Russian River Projects Charge		<u>13.92</u>	
<b>TOTAL FOURTH OFF-PEAK</b>		\$1,308.14	
<b>SUPPLEMENTAL (MARIN MUNICIPAL)</b>			
Highest Prime on SR and PET AQ x 1.11		\$1,178.86	
Russian River Conservation Charge		115.36	
Russian River Projects Charge		<u>13.92</u>	
<b>TOTAL SUPPLEMENTAL</b>		\$1,308.14	
<b>SURPLUS</b>			
Non-Municipal / Municipal [4.11 (a)]	\$1,076.32	\$1,076.32	\$1,076.32
<i>(120% of O&amp;M Charge)</i>			
<b>Town of Windsor</b>			
		\$1,061.04	
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)].			
	\$1,061.04		

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

**FY 2022-23 BUDGET**  
**SONOMA COUNTY WATER AGENCY**  
*Operations and Maintenance Rate Computation*

**O & M REVENUE REQUIREMENT**

<b>FY22-23 ESTIMATED FISCAL YEAR EXPENDITURES</b>	\$57,078,958
685.02	
<b>LESS:</b>	
DepreciationAmortization	8,077,000
Investment Income, Interest on Pooled Cash, Charges for Services	36,000
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	10,295,889
	\$38,570,069
REVENUE REQUIREMENT (Net Expenditures)	\$38,570,069

**O & M ACRE FOOT BASE**

DELIVERIES:	45,747.8
<b>LESS:</b>	
Marin Municipal Surplus (Irrigation)	6,596.8
	34.9
	39,116.0
TOTAL BASE DELIVERIES	39,116.0

<b><u>O &amp; M RATE COMPUTATION:</u></b>	
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	
= $\frac{38,570,069 - (4,300.00 \times 1008.12) - (2,296.85 \times 1008.12)}{45,747.8 - 34.9 - 6,596.8}$	
* = <b>816.03</b>	

**FY22-23**  
**Proposed Water Rates**

	<b><u>FY21-22</u></b>	<b><u>FY22-23</u></b>	
	(Actual)	(Proposed)	% Change
O&M Charge	685.92	816.03	18.97%
Water Management Planning Sub-Charge	0.00	0.20	19573.09%
Watershed Planning/Restoration Sub-Charge	132.66	32.70	-75.35%
Recycled Water Sub-Charge	0.93	0.50	-45.94%
Water Conservation Sub-Charge	44.44	47.50	6.89%
<b>Total O&amp;M Charge</b>	<b>863.95</b>	<b>896.93</b>	<b>3.82%</b>

**Santa Rosa Aqueduct Rate**

O&M Charge	863.95	896.93	3.82%
Aqueduct Facilities Capital Charges [4.6 e]	20.00	11.00	-45.0%
Storage Facilities Capital Charge [4.7]	23.12	26.55	14.84%
Common Facilities Capital Charge [4.8]	93.39	126.56	35.51%
<b>TOTAL</b>	<b>1000.46</b>	<b>1061.04</b>	<b>6.05%</b>

**Petaluma Aqueduct Rate**

O&M Charge	863.95	896.93	3.82%
Aqueduct Facilities Capital Charges [4.6 e]	20.00	12.00	-40.0%
Storage Facilities Capital Charge [4.7]	23.12	26.55	14.84%
Common Facilities Capital Charge [4.8]	93.39	126.56	35.51%
<b>TOTAL</b>	<b>1000.46</b>	<b>1062.04</b>	<b>6.15%</b>

**Sonoma Aqueduct Rate**

O&M Charge	863.95	896.93	3.82%
Aqueduct Facilities Capital Charges [4.6 e]	38.00	38.00	0.0%
Storage Facilities Capital Charge [4.7]	23.12	26.55	14.84%
Common Facilities Capital Charge [4.8]	93.39	126.56	35.51%
Sonoma Aqueduct Facilities Capital Charge	126.72	131.87	4.06%
<b>TOTAL</b>	<b>1145.18</b>	<b>1219.90</b>	<b>6.52%</b>

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

**FISCAL YEAR 2022-23**

**PROPERTY ASSESSMENT VALUES AS OF FY21-22:**

<u>TAX CODE</u>	<u>ENTITY</u>	<u>SECURED</u>	<u>UNSECURED</u>	<u>TOTAL VALUE</u>
14000	Forestville Co Water District	483,887,813	2,184,123	\$486,071,936
42800	City of Cotati	1,252,043,387	28,739,628	1,280,783,015
43500	City of Petaluma	11,216,857,842	436,509,079	11,653,366,921
43800	City of Rohnert Park	6,268,726,724	149,260,069	6,417,986,793
44500	City of Santa Rosa	26,892,729,129	859,787,222	27,752,516,351
45000	City of Sonoma	3,178,975,637	88,732,154	3,267,707,791
N/A	Valley of the Moon Water District	3,961,583,892	19,578,857	3,981,162,749
	<i>TOTAL</i>	\$53,254,804,424	\$1,584,791,132	\$54,839,595,556

**Notes:**

- 1 Total value of secured and unsecured property in service areas of Prime Water Contractors of Sonoma County (see above) \$54,839,595,556
- 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 \$3,838,772
- 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. 33,275.86
- 5 Total Russian River Conservation Charge per Acre Foot (Line 3 / Line 4) \$115.36

**Russian River Projects Charge**

Historical calculations

**RR Conservation Charge**

Historical calculations

For FY	Calculated	Actual Charge	
06-07	17.02	\$17.02	\$48.33
07-08	21.4	\$20.00	\$52.70
08-09	25.08	\$20.00	\$58.44
09-10	24.68	\$20.00	\$57.70
10-11	24.4	\$20.00	\$74.62
11-12	23.44	\$20.00	\$72.27
12-13	20.38	\$20.00	\$72.08
13-14	14.72	\$14.72	\$63.30
14-15	8.72	\$8.72	\$63.90
15-16	12.39	\$12.39	\$69.38
16-17	12.96	\$12.96	\$78.73
17-18	13.08	\$13.08	\$105.78
18-19	9.13	\$9.13	\$109.75
19-20	8.34	\$8.34	\$102.09
20-21	8.68	\$8.68	\$106.12
21-22	10.63	\$10.63	\$115.94
22-23	13.92	\$13.92	\$115.36

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

		DELIVERING AQUEDUCT				Monthly Total
		Santa Rosa	Petaluma	Forestville	Sonoma	
36	Jan-19	1,002.3	1,176.4	19.0	198.2	2,396.0
35	Feb-19	1,098.3	1,137.9	18.4	176.0	2,430.7
34	Mar-19	1,165.9	1,028.0	20.8	164.9	2,379.6
33	Apr-19	1,265.0	1,794.2	24.6	177.3	3,261.2
32	May-19	1,117.0	2,055.4	29.2	264.6	3,466.1
31	Jun-19	1,588.5	2,062.7	32.1	315.4	3,998.7
30	Jul-19	2,297.8	2,778.4	51.7	538.0	5,666.1
29	Aug-19	1,872.0	2,185.7	48.2	456.5	4,562.4
28	Sep-19	1,734.9	2,078.1	41.9	457.0	4,311.9
27	Oct-19	2,000.5	2,290.4	48.3	514.5	4,853.8
26	Nov-19	1,502.4	1,484.6	40.2	410.9	3,438.0
25	Dec-19	1,307.8	1,339.8	18.4	276.7	2,942.8
24	Jan-20	1,029.5	1,198.3	18.9	168.7	2,415.4
23	Feb-20	1,100.9	1,411.3	20.3	170.5	2,702.9
22	Mar-20	1,258.5	1,644.6	22.2	268.9	3,194.3
21	Apr-20	1,483.7	1,749.8	27.9	289.9	3,551.3
20	May-20	1,532.6	1,713.9	30.7	356.7	3,633.9
19	Jun-20	1,700.7	2,162.3	42.3	471.0	4,376.3
18	Jul-20	2,458.9	2,844.2	55.9	631.6	5,990.6
17	Aug-20	1,889.6	2,304.7	47.2	532.0	4,773.5
16	Sep-20	1,656.9	2,133.9	42.0	444.3	4,277.1
15	Oct-20	2,108.6	2,653.4	52.5	522.1	5,336.7
14	Nov-20	1,318.5	2,013.1	31.8	360.4	3,723.7
13	Dec-20	1,329.1	2,126.5	27.3	289.9	3,772.8
12	Jan-21	1341.2	2161.8	25.8	251.8	3,780.6
11	Feb-21	1137.9	1750.8	20.3	176.2	3,085.1
10	Mar-21	1066.4	2050.6	21.7	170.9	3,309.6
9	Apr-21	1617.8	3025.1	36.1	373.9	5,052.9
8	May-21	1402.9	2533.3	40.4	388.6	4,365.2
7	Jun-21	1450.2	2468.5	40.2	421.5	4,380.3
6	Jul-21	1863.3	2297.6	51.0	466.7	4,678.6
5	Aug-21	1507.9	1705.1	39.5	315.6	3,568.1
4	Sep-21	1455.3	1654.3	36.8	298.1	3,444.4
3	Oct-21	1514.3	1842.1	36.7	306.9	3,700.0
2	Nov-21	968.6	1552.0	17.4	215.8	2,753.9
1	Dec-21	1228.0	2149.4	23.5	268.1	3,669.0
<b>Total Deliveries</b>		53,373.8	70,558.0	1,201.2	12,110.3	137,243.3
<b>3-Year Annual Average</b>		17,791.3	23,519.3	400.4	4,036.8	45,747.8
<b>Past 12 Months</b>		16,553.9	25,190.5	389.3	3,654.0	45,787.7
Total Deliveries		53,373.8	70,558.0	1,201.2	12,110.3	137,243.3
Less: North Marin			19,366.4			19,366.4
Marin Municipal			19,790.5			19,790.5
<b>Sonoma Co. Deliveries</b>		53,373.8	31,401.1	1,201.2	12,110.3	98,086.4
<b>3-Year Annual Average</b>		17,791.3	10,467.0	400.4	4,036.8	32,695.5



**FY 2022-23 BUDGET**  
**Water Transmission System Agency Fund**  
**ESTIMATED WATER DELIVERIES AND WATER SALES - O&M plus Surcharges**

REVENUE CATEGORY	ESTIMATED ACRE FEET DELIVERED	ESTIMATED RATES	ESTIMATED REVENUE
<b><u>WATER SALES - O&amp;M</u></b>			
1 PRIMES without Subcharges	38,023.0	816.03	31,027,770
2 OTHER AGENCY CUSTOMERS	1,051.6	1,382.97	1,454,332
3 MARIN MUNICIPAL (OFF-PEAK)	4,300.0	1,008.12	4,334,922
4 MARIN MUNICIPAL (SUPPLEMENTAL)	2,296.8	1,008.12	2,315,500
5 SURPLUS CUSTOMERS	76.3	995.41	75,945
<b>TOTAL WATER SALES - O&amp;M</b>	45,747.8	N/A	\$39,208,469

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

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

REVENUE CATEGORY	ESTIMATED ACRE FEET DELIVERED	ESTIMATED RATES	ESTIMATED REVENUE
<b><u>WATER SALES - Sub-charges</u></b>			
1a Water Management Planning Sub-charge [4.13]	45,747.8	0.20	9,000
1b Watershed Planning/Restoration Sub-charge [4.14]	45,747.8	32.70	1,496,170
1c Recycled Water & Local Supply Sub-charge [4.15]	45,747.8	0.50	23,000
1d Water Conservation Sub-charge [4.16]	45,747.8	47.50	2,173,043
<b>TOTAL WATER SALES - Subcharges</b>	45,747.8	N/A	\$3,701,213

**FY 2022-23 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
<b><u>WATER SALES - O&amp;M</u></b>			
1 SANTA ROSA AQUEDUCT	17,791.3	816.03	14,518,132

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

REVENUE CATEGORY	ESTIMATED ACRE FEET DELIVERED	ESTIMATED RATES	ESTIMATED REVENUE
<b><u>WATER SALES - Sub-charges</u></b>			
1a Water Management Planning Sub-charge [4.13]	17,791.3	0.20	3,500
1b Watershed Planning/Restoration Sub-charge [4.14]	17,791.3	32.70	581,859
1c Recycled Water & Local Supply Sub-charge [4.15]	17,791.3	0.50	8,945
1d Water Conservation Sub-charge [4.16]	17,791.3	47.50	845,095
<b>TOTAL WATER SALES - Subcharges</b>	17,791.3	N/A	\$1,439,399

REVENUE CATEGORY	ESTIMATED ACRE FEET DELIVERED	ESTIMATED RATES	ESTIMATED REVENUE
<b><u>CAPITAL CHARGES</u></b>			
Aqueduct Facilities Capital Charges [4.6 e]	17,791.3	11.00	195,704
<b><u>BOND AND LOAN CAPITAL CHARGES</u></b>			
Storage Facilities Capital Charge [4.7]	17,791.3	26.55	472,365
Common Facilities Capital Charge [4.8]	17,791.3	126.56	2,251,577
Sonoma Aqueduct Facilities Capital Charges [4.6 b]	17,791.3	0.00	0
<b>TOTAL WATER SALES - Capital &amp; Bond and Loan Charges</b>	17,791.3	N/A	\$2,919,646

**TOTAL ESTIMATED REVENUE**

**\$18,877,177**

**FY 2022-23 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
<b><u>WATER SALES - O&amp;M</u></b>			
1 PETALUMA AQUEDUCT	23,519.3	816.03	19,192,385

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

REVENUE CATEGORY	ESTIMATED ACRE FEET DELIVERED	ESTIMATED RATES	ESTIMATED REVENUE
<b><u>WATER SALES - Sub-charges</u></b>			
1a Water Management Planning Sub-charge [4.13]	23,519.3	0.20	4,627
1b Watershed Planning/Restoration Sub-charge [4.14]	23,519.3	32.70	769,194
1c Recycled Water & Local Supply Sub-charge [4.15]	23,519.3	0.50	11,825
1d Water Conservation Sub-charge [4.16]	23,519.3	47.50	1,117,181
<b>TOTAL WATER SALES - Subcharges</b>	23,519.3	N/A	\$1,902,827

REVENUE CATEGORY	ESTIMATED ACRE FEET DELIVERED	ESTIMATED RATES	ESTIMATED REVENUE
<b><u>CAPITAL CHARGES</u></b>			
Aqueduct Facilities Capital Charges [4.6 e]	23,519.3	12.00	282,232
<b><u>BOND AND LOAN CAPITAL CHARGES</u></b>			
Storage Facilities Capital Charge [4.7]	23,519.3	26.55	624,447
Common Facilities Capital Charge [4.8]	23,519.3	126.56	2,976,494
Sonoma Aqueduct Facilities Capital Charges [4.6 b]	23,519.3	0.00	0
<b>TOTAL WATER SALES - Capital &amp; Bond and Loan Charges</b>	23,519.3	N/A	\$3,883,173

**TOTAL ESTIMATED REVENUE**

**\$24,978,385**

**FY 2022-23 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
<b>WATER SALES - O&amp;M</b>			
1 SONOMA AQUEDUCT	4,036.8	816.03	3,294,104

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

REVENUE CATEGORY	ESTIMATED ACRE FEET DELIVERED	ESTIMATED RATES	ESTIMATED REVENUE
<b>WATER SALES - Sub-charges</b>			
1a Water Management Planning Sub-charge [4.13]	4,036.8	0.20	794
1b Watershed Planning/Restoration Sub-charge [4.14]	4,036.8	32.70	132,021
1c Recycled Water & Local Supply Sub-charge [4.15]	4,036.8	0.50	2,030
1d Water Conservation Sub-charge [4.16]	4,036.8	47.50	191,748
<b>TOTAL WATER SALES - Subcharges</b>	4,036.8	N/A	\$326,593

REVENUE CATEGORY	ESTIMATED ACRE FEET DELIVERED	ESTIMATED RATES	ESTIMATED REVENUE
<b>CAPITAL CHARGES</b>			
Aqueduct Facilities Capital Charges [4.6 e]	4,036.8	38.00	153,397
<b>BOND AND LOAN CAPITAL CHARGES</b>			
Storage Facilities Capital Charge [4.7]	4,036.8	26.55	107,178
Common Facilities Capital Charge [4.8]	4,036.8	126.56	510,873
Sonoma Aqueduct Facilities Capital Charges [4.6 b]	4,036.8	131.87	532,320
<b>TOTAL WATER SALES - Capital &amp; Bond and Loan Charges</b>	4,036.8	N/A	\$1,303,768

**TOTAL ESTIMATED REVENUE**

**\$4,924,465**

**FY 2022-23 BUDGET  
BEGINNING AND ENDING CASH SUMMARY**

Section Title:

Water Transmission System Agency Fund

Fund/Department No:

44205

33040100

Account Title	Actual 2020-2021	Estimated 2021-2022	Adopted 2021-2022	Requested 2022-23	Difference	Percent Change
<b>BEGINNING FUND BALANCE</b>	18,302,676	16,027,234		7,447,370		

**REVENUES**

**USE OF MONEY / PROPERTY**

44002 Interest on Pooled Cash	216,174	36,000	36,000	36,000	0	0.00%
44003 Other Interest Earnings	0	0	0	0	0	N/A
44050 Unrealized Gains & Losses	(9,846)	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	206,328	36,000	36,000	36,000	0	0.00%

**INTERGOVERNMENTAL REVENUES**

42282 State CalOES Disaster Funding	0	0	0	0	0	N/A
42284 State Cal OES Admin Allowance	0	0	0	0	0	N/A
42358 State Other Funding	0	0	0	0	0	N/A
42441 Federal FEMA Disaster Funding	0	0	0	0	0	N/A
42443 Federal FEMA Admin Allowance	0	0	0	0	0	N/A
42461 Federal Other Funding	0	0	0	0	0	N/A
42610 Other Governmental Agencies	0	0	0	0	0	N/A
42621 North Marin Water District	0	0	0	0	0	N/A
42701 Revenue Appl - PY Intergovmtl	0	0	0	0	0	N/A
SUBTOTAL	0	0	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	23,378	25,000	0	0	0	N/A
45301 Charges for Services	(100,147)	0	0	0	0	N/A
45314 Sale - Power	0	0	100,000	100,000	0	0.00%
45315 Sale - Water, Wholesale	35,300,510	29,764,133	33,071,259	39,208,469	6,137,210	18.56%
45316 Water Conservation	2,301,858	1,843,583	2,048,425	2,173,043	124,618	6.08%
45323 Common Fac Rev Bond Chg	3,446,748	3,091,822	3,529,049	4,128,123	599,074	16.98%
45324 Storage Fac Rev Bond Chg	861,332	785,991	785,991	866,050	80,060	10.19%
45325 Sonoma Aqueduct Rev Bond Chg	609,368	532,318	532,318	532,320	2	0.00%
45327 Santa Rosa Aqueduct Cap Chg	609,535	404,216	449,129	279,159	(169,970)	(37.84%)
45328 Petaluma Aqueduct Cap Chg	393,620	228,308	253,676	155,228	(98,448)	(38.81%)
45329 Sonoma Aqueduct Cap Chg	314,777	136,478	151,642	145,727	(5,914)	(3.90%)
45330 North Marin Rev Bond Chg	347,841	353,652	353,652	488,069	134,416	38.01%
45331 Water Mgmt Plan/Restore Chg	49,489	207	230	9,000	8,770	3813.04%
45332 Watershed Plan/Restore Chg	6,308,846	5,503,315	6,114,794	1,496,170	(4,618,624)	(75.53%)
45333 Recycled Water & Local Supply	50,538	38,700	43,000	23,000	(20,000)	(46.51%)
45401 Revenue Appl PY Chgs for Svcs	0	0	0	0	0	N/A
SUBTOTAL	50,517,695	42,707,722	47,433,165	49,604,358	2,171,193	4.58%

**Miscellaneous Revenues**

46027 Insurance Claims Reimbursement	28,405	0	0	0	0	N/A
46029 Donations/Contributions	0	0	0	0	0	N/A

## Section Title:

## Water Transmission System Agency Fund

Fund/Department No:

44205

33040100

Account Title	Actual 2020-2021	Estimated 2021-2022	Adopted 2021-2022	Requested 2022-23	Difference	Percent Change
46040 Miscellaneous Revenue	1,662	8,000	0	0	0	N/A
46041 Discounts Earned	14	0	0	0	0	N/A
46050 Cancelled/Stale Dated Warrants	1,437	0	0	0	0	N/A
46200 Revenue Appl PY Misc Revenue	4,394	0	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
<b>SUBTOTAL</b>	<b>35,912</b>	<b>8,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>N/A</b>
<b>OTHER FINANCING SOURCES</b>						
47002 Sale of Capital Assets	0	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
<b>SUBTOTAL</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>TOTAL REVENUES</b>	<b>50,759,935</b>	<b>42,751,722</b>	<b>47,469,165</b>	<b>49,640,358</b>	<b>2,171,193</b>	<b>4.57%</b>

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

51021 Communications Expense	0	0	0	0	0	N/A
51031 Waste Disposal Services	0	0	0	0	0	N/A
51032 Janitorial Services	6,552	6,600	6,600	6,600	0	0.00%
51041 Insurance - Liability	0	0	11,000	0	(11,000)	(100.00%)
51061 Maintenance - Equipment	877,139	1,615,000	1,465,000	3,286,389	1,821,389	124.33%
51071 Maintenance - Bldg & Improve	0	0	0	0	0	N/A
51072 Landscaping Services	83,993	0	0	25,000	25,000	N/A
51077 Maint-Infrastructure	0	0	0	0	0	N/A
51083 VSP Premiums	0	220	220	50	(170)	(77.27%)
51205 Advertising/Marketing Svc	4,977	5,000	100	4,000	3,900	3900.00%
51209 Information Tech Svc (non ISD)	120	260	1,500	260	(1,240)	(82.67%)
51211 Legal Services	41,158	42,000	12,000	20,000	8,000	66.67%
51212 Outside Counsel - Legal Advice	5,042	3,000	1,200	2,000	800	66.67%
51214 Agency Extra/Temp Help	0	0	0	0	0	N/A
51226 Consulting Services	0	0	0	0	0	N/A
51230 Security Services	1,248	1,500	2,600	1,500	(1,100)	(42.31%)
51231 Testing/Analysis	143,588	160,000	135,000	150,000	15,000	11.11%
51241 Outside Printing and Binding	107	500	2,500	500	(2,000)	(80.00%)
51242 Bank Charges	35	50	50	50	0	0.00%
51244 Permits/License/Fees	98,829	90,000	90,000	90,000	0	0.00%
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	637,791	500,000	500,000	500,000	0	0.00%
51402 Rents and Leases - Heavy Eq	9,000	0	0	5,000	5,000	N/A
51421 Rents and Leases - Bldg/Land	0	0	1,600	0	(1,600)	(100.00%)
51601 Training Services	4,409	150,000	18,000	15,000	(3,000)	(16.67%)
51602 Business Travel/Mileage	0	5,000	10,000	10,000	0	0.00%
51605 Private Car Expense	759	2,000	1,100	1,000	(100)	(9.09%)
51801 Other Services	0	0	10,000	0	(10,000)	(100.00%)
51803 Other Contract Services	1,887,916	13,022,735	5,876,645	11,559,826	5,683,181	96.71%
51902 Telecommunication Usage	49,645	60,000	85,000	75,000	(10,000)	(11.76%)

## Section Title:

## Water Transmission System Agency Fund

Fund/Department No:

44205

33040100

Account Title	Actual 2020-2021	Estimated 2021-2022	Adopted 2021-2022	Requested 2022-23	Difference	Percent Change
51911 Mail Services	61	150	150	150	0	0.00%
51917 District Operations Chgs	16,028,700	16,832,190	16,649,480	17,491,944	842,464	5.06%
51921 Equipment Usage Charges	952,032	925,000	900,000	925,000	25,000	2.78%
52021 Clothing, Uniforms, Personal	1,908	5,000	13,500	5,000	(8,500)	(62.96%)
52031 Food	208	700	700	700	0	0.00%
52041 Household Supplies Expense	0	300	300	100	(200)	(66.67%)
52042 Janitorial Supplies	0	0	1,000	0	(1,000)	(100.00%)
52061 Fuel/Gas/Oil	45,980	60,000	45,000	50,000	5,000	11.11%
52071 Materials and Supplies Expense	22,204	25,000	30,000	35,000	5,000	16.67%
52072 Chemicals	608,133	700,000	900,000	700,000	(200,000)	(22.22%)
52081 Medical/Laboratory Supplies	19,404	20,000	20,000	20,000	0	0.00%
52091 Memberships/Certifications	47,184	50,000	37,500	37,500	0	0.00%
52101 Other Supplies	0	0	0	0	0	N/A
52111 Office Supplies	2,046	5,000	12,500	5,000	(7,500)	(60.00%)
52114 Freight/Postage	339	1,000	1,000	1,000	0	0.00%
52115 Books/Media/Subscriptions	450	500	500	500	0	0.00%
52117 Mail and Postage Supplies	6,827	1,500	1,500	1,500	0	0.00%
52141 Minor Equipment/Small Tools	95,049	100,000	150,000	100,000	(50,000)	(33.33%)
52142 Computer Equipment/Accessories	425	10,000	10,000	10,000	0	0.00%
52143 Computer Software/Licensing Fees	9,461	15,000	40,000	40,000	0	0.00%
52162 Special Department Expense	0	0	0	0	0	N/A
52171 Water Conservation Program	0	0	0	0	0	N/A
52191 Utilities	443	500	500	500	0	0.00%
52193 Utilities - Electric	3,953,665	3,500,000	3,500,000	3,500,000	0	0.00%
<b>SUBTOTAL</b>	<b>25,646,830</b>	<b>37,915,705</b>	<b>30,543,745</b>	<b>38,676,069</b>	<b>8,132,324</b>	<b>26.63%</b>
<b>OTHER CHARGES</b>						
53103 Interest on LT Debt	0	0	0	0	0	N/A
53104 Other interest Expense	0	0	0	0	0	N/A
53401 Amortization Expense	3,433	54,000	54,000	54,000	0	0.00%
53402 Depreciation Expense	6,474,820	7,982,000	7,982,000	8,023,000	41,000	0.51%
53403 Loss - Disposed Capital Asset	6,269	0	0	0	0	N/A
53500 Contributions Non-County Agy	0	0	0	0	0	N/A
53501 Contributions	0	0	0	0	0	N/A
53610 Other Charges	0	0	0	0	0	N/A
<b>SUBTOTAL</b>	<b>6,484,522</b>	<b>8,036,000</b>	<b>8,036,000</b>	<b>8,077,000</b>	<b>41,000</b>	<b>0.51%</b>
<b>FIXED ASSETS</b>						
19820 Machinery and Equipment	0	0	0	0	0	N/A
19822 Mobile Equipment	0	0	0	0	0	N/A
19824 Computer Equipment	0	0	0	0	0	N/A
19831 CIP - Bldg & Impr	0	0	0	0	0	N/A
19832 CIP - Infrastructure	0	0	0	0	0	N/A
19840 Work in Progress - Eq	0	190,000	190,000	0	(190,000)	(100.00%)
19841 Work in Progress - Intang	0	223,720	223,720	30,000	(193,720)	(86.59%)
19851 Intangible Assets - Non-amort	0	0	0	0	0	N/A
<b>SUBTOTAL</b>	<b>0</b>	<b>413,720</b>	<b>413,720</b>	<b>30,000</b>	<b>(383,720)</b>	<b>(92.75%)</b>

## Section Title:

Water Transmission System Agency Fund

Fund/Department No:

44205

33040100

Account Title	Actual 2020-2021	Estimated 2021-2022	Adopted 2021-2022	Requested 2022-23	Difference	Percent Change
<b><u>OTHER FINANCING USES</u></b>						
57011 Transfers Out - within a Fund	26,997,198	13,002,161	15,554,939	10,295,889	(5,259,051)	(33.81%)
57012 Transfers Out - btw Govtl Fund	0	0	0	0	0	N/A
SUBTOTAL	26,997,198	13,002,161	15,554,939	10,295,889	(5,259,051)	(33.81%)
<b><u>APPROP. FOR CONTINGENCIES</u></b>						
55011 Appropriation for Contingency	0	0	0	0	0	N/A
SUBTOTAL	0	0	0	0	0	N/A
<b><u>REMIBURSEMENTS</u></b>						
58010 Reimb. - General	0	0	0	0	0	N/A
SUBTOTAL	0	0	0	0	0	N/A
<b><u>ADMIN. CONTROL ACCOUNT</u></b>						
59004 Administrative Control Account	0	0	0	0	0	N/A
59005 Admin Control Acct Clearing	0	0	0	0	0	N/A
SUBTOTAL	0	0	0	0	0	N/A
<b>TOTAL EXPENDITURES</b>	<b>59,128,550</b>	<b>59,367,586</b>	<b>54,548,404</b>	<b>57,078,958</b>	<b>2,530,553</b>	<b>4.64%</b>
<b>Adjustments to Reserves/Encumbrances:</b>						
Depreciation	6,478,253	8,036,000		8,077,000		
Donated Asset (Caltrans)	0					
Outstanding Encumbrances - Net Change	(397,748)	0				
Capitalized Interest	0					
Gain/Loss on disposal of fixed assets	6,269					
Unrealized Gain/ Loss (GASB 31)	9,846					
Change in Prepaid Expense	(3,448)					
Change in Prudent Reserve						
Post audit adjustments - Payables	0					
Rounding	0					
<b>ENDING FUND BALANCE</b>	<b>16,027,234</b>	<b>7,447,370</b>		<b>8,085,770</b>		

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

9,676,517  
(1,590,747)

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

Fund/Department No:

**44205**

**33040100**

	Actual FY20-21	Adopted FY21-22	Requested FY22-23	Difference	Percent Change
<u>51061 Maintenance - Equipment</u> Increase for collector well pump and valve replacements and chlorine and pH projects to build system resiliency.	877,139	1,465,000	3,286,389	1,821,389	124.3%
<u>51211 Legal Services</u> Reflects five year average expenditures.	41,158	12,000	20,000	8,000	66.7%
<u>51231 Testing/Analysis</u> Increase due to water quality testing to support USGS and Lawrence Berkeley National Laboratory Studies.	143,588	135,000	150,000	15,000	11.1%
<u>51803 Other Contract Services</u> Increase due to tank maintenance, cathodic protection, SCADA upgrade contracts which make up more than 75% of the total cost.	1,887,916	5,876,645	11,559,826	5,683,181	96.7%
<u>51917 District Operations Chgs</u> Increase is attributable to an increase in labor for maintenance projects (cathodic protection, tank recoats, pump and valve replacements, chlorine and pH improvement projects, SCADA upgrades), studies (Regional Water Supply Resiliency, Watershed and Water Quality Seismic Mitigation Studies, Local Hazard Mitigation Plan), and emergency inventory procurement.	16,028,700	16,649,480	17,491,944	842,464	5.1%
<u>51921 Equipment Usage Charges</u> Reflects five year average expenditures.	952,032	900,000	925,000	25,000	2.8%
<u>52072 Chemicals</u> Reflects prior year actuals and five-year average expenditures.	608,133	900,000	700,000	(200,000)	-22.2%
<u>52141 Minor Equipment/Small Tools</u> Reflects prior year actuals and five-year average expenditures.	95,049	150,000	100,000	(50,000)	-33.3%
<u>52193 Utilities - Electric</u> No increase anticipated over FY2021-2022 budget.	3,953,665	3,500,000	3,500,000	0	0.0%

**2022-23**

**Water Transmission System Agency Fund**

<b>51061</b>	<b>Maintenance - Equipment</b>	<b>AMOUNT</b>
1	Cathodic Protection Maintenance	40,000
2	Channel Drive Leak Repair	44,000
3	Collector 6 Pump 11 Bowl & Column Assembly	560,000
4	Dunbar Meter Replacement	50,600
5	Electrical Supplies and Maintenance Services	400,000
6	Ely Mag Meter	38,890
7	Ely Road Electric Motor	67,200
8	Emergency Inventory Procurement	660,000
9	Main line valve replacements (3)	300,000
10	Mirabel Building Potable Water Upgrade	64,999
11	Mirabel Well Field #1 - Full Rehab	300,000
12	Mirabel Well Field #7 rehab	100,000
13	Pump and Pipeline Supplies and Maintenance Services	150,000
14	Riverfront Park Maintenance - Regional Parks	140,000
15	Riverfront Park Weir Repair - Regional Parks	75,000
16	Santa Rosa Plain Well Monitoring Program (SW Wells)	25,000
17	SBS Valve Replacement	46,200
18	Todd Road Well Maintenance	100,000
19	Valve repair at Washington and Petaluma intersection	71,500
20	Wilfred Valve Replacement	33,000
21	WT Monitoring Well Pressure Transducers	20,000
		<u>\$ 3,286,389</u>

<b>51803</b>	<b>Other Contract Services</b>	<b>AMOUNT</b>
1	Aqueduct Condition Assessments	200,000
2	Aqueduct MH Lids/valve box replacement	30,000
3	As-Needed Dive Services	50,000
4	Asset Management	350,000
5	Cathodic Protection - Maintenance	212,746
6	Cathodic Protection - SR/Cotati	2,771,500
7	Hazardous Materials Management	40,000
8	LHMP Program Planning	125,000
9	Mirabel 12kv Multi-Hazard Resiliency FS	27,500
10	Pipeline Operations Monitoring Program	30,000
11	SCADA Improvements	1,839,600
12	Sonoma Youth Ecology Corps	32,000
13	Tank Recoating Program	5,160,980
14	Watershed Sanitary Survey	75,000
15	Water Transmission System Transient Analysis	20,000
16	WiFi Expansion	10,000
	Advocacy	
17	Community Outreach Program	10,000
18	Bay Area	5,500
19	North Coast	35,000
20	Legislative Advocacy - Federal	95,000
21	Legislative Advocacy - State	50,000
22	North Bay Water Regional Outreach Coordination	25,000
	Studies	
23	Collector Wells, AQs, Tanks Seismic Mitigation Study	305,000
24	CPT Investigation for Liquefaction Mitigation	245,000
25	Groundwater Banking Feasibility - Pilot Studies	50,000
26	Hydrography Study	15,000
27	Regional Water Supply Resiliency Study	200,000
28	Transmission System Monitoring Master Plan	175,000
29	Watershed Water Quality Monitoring - USGS	200,000
30	Watershed Water Quality Study - LBNL	200,000
31	Wohler MCC & Chlorine Storage Facility Assessment	400,000
32	Miscellaneous Other Agreements	45,000
		<u>(1,470,000)</u>
		<u>\$ 11,559,826</u>

**51803 Other Contract Services Project Information**

**FY22-23**

**Aqueduct Condition Assessments**

**200,000**

Prepare an assessment report that reviews the water system pipeline infrastructure to develop an approach and framework for a risk-based prioritization model to conduct inspections. The project will evaluate appropriate pipeline inspection technologies and formulate an inspection projects prioritization plan.

**Asset Management**

**350,000**

The primary objectives of Sonoma Water's Asset Management Program (AMP) are to improve the cost-effective management of assets throughout their life-cycle, promote data sharing and interconnectivity, and demonstrate fiscal responsibility. Phase 1 included review of Sonoma Water's current asset management practices, development of an AMP vision and charter, asset management framework, identifying business improvement opportunities for data integration and management, and establishing an enterprise-wide AMP Statement of commitments. To date the AMP has delivered: Asset Management Framework Tech Memo; State of the Assets Tech Memo; Asset Management Implementation Plan (AMIP) Report; and Asset Management Program Statement of Commitments. In FY21-22, Phase 2 will include a Mirabel Production Facility asset inventory, condition assessment, and updating the Asset Management Implementation Plan. In FY22-23, Phase 3 will involve integrating the recommendations during Phase 2 into the full roll-out of the enterprise-wide AMP, implementing the selected CMMS software, furthering data management and integration and continuing with additional condition assessments of water and wastewater facilities.

**Cathodic Protection - SR/Cotati**

**2,771,500**

Provide improvements to upgrade the cathodic protection system along the existing Santa Rosa Aqueduct and Russian River-Cotati Intertie. The project includes designing and constructing a new corrosion protection system to protect the pipeline from corrosion and monitor the state of the pipelines. The corrosion protection system will have a useful life of approximately 50 years, and will allow for remote assessment and data collection to quantify the condition of the pipeline and state of the cathodic protection system. The project will be constructed in two phases with a completed project that consists of 27 corrosion protection well sites and 51 test stations.

**LHMP Program Planning**

**125,000**

The LHM program planning and design effort provides for the maintenance and update to the Local Hazard Mitigation Plan (required for FEMA funding) and the preliminary development of mitigation project concepts for the purposes of preparing grant applications and refining projected costs of projects associated with the Natural Hazard Reliability Mitigation Program.

**Mirabel 12kv Multi-Hazard Resiliency FS**

**27,500**

Electrical power for the Mirabel pumping facilities is provided from the Wohler sub-station through a 12 kV power line. The overhead power line is susceptible to multiple natural hazards, including seismic, flooding, and fire. This project proposes to mitigate that vulnerability by implementing relocation, undergrounding, and/or retrofit measures. A feasibility study will be prepared to evaluate alternatives and develop a conceptual design and cost estimate for future final design and implementation.

**Pipeline Operations Monitoring Program**

**30,000**

Develop a workplan to implement enhanced pressure monitoring in the water transmission. Assess performance of existing pressure surge protection devices and extent of protection of infrastructure assets. Identify assets subjected to adverse conditions from pressure transients for further study to develop system modifications or operational changes to reduce deleterious impacts to system infrastructure.

**SCADA Improvements**

**1,839,600**

SCADA software and hardware: The scope of the project is to upgrade SCADA workstations and software to current supported versions. Other objectives include upgrades to field components such as Programmable Logic Controllers and Remote Telemetry devices.

SCADA Upgrade: The scope of this project is to reassess and revamp programming standards to accommodate current technologies as well as implement these new standards to streamline maintenance and operations.

**51803 Other Contract Services Project Information**

**FY22-23**

**Tank Recoating Program**

**5,160,980**

Water storage tanks are an integral component of Sonoma Water's transmission and supply system and provide operational flexibility and system supply resiliency when demand exceeds production capacity. In total, Sonoma Water's 18 welded steel water tanks provide 129 million gallons of storage, which is approximately three times the average daily system demand. Welded-steel tanks are susceptible to corrosion and have a limited functional lifespan of approximately 50 years without coatings. With regularly scheduled and targeted maintenance, monitoring, and recoating activities welded-steel tanks can attain a lifespan of over 100 years. Sonoma Water's Tank Recoating Program specifically targets the protection and maintenance of welded-steel tanks by designing and implementing tank rehabilitation projects that include interior and exterior recoating, structural repairs, and installation of cathodic protection systems to maximize the functional life of each facility.

In FY 20-21 Sonoma Water completed the recoating of two tanks at the Forestville Tank farm. In FY 21-22 Sonoma Water began developing plans for the recoating of the Kastania and Cotati No.1 tanks. FY 22-23 funding will be used to complete construction at the Kastania and Cotati No. 1 tanks and to initiate design of the Cotati No. 3 tank recoating project. Work in FY 22-23 at Kastania and Cotati No. 1 will include complete interior coating removal and replacement, structural repairs to corroded roof rafters, and other ancillary repairs.

**Watershed Sanitary Survey**

**75,000**

California requires that all systems that have a source under the influence of surface water complete a surface watershed assessment every five years. Under specific circumstances, the State considers Radial Collector Well 5 is under the influence of surface water. In order to comply with our permit we are required to complete the Watershed Sanitary Survey in accordance with the Division of Drinking Water requirements in FY22-23.

**Water Transmission System Transient Analysis**

**20,000**

Sonoma Water completed a comprehensive transient analysis of the water transmission system in 1999. In support of specific projects, the study was partially updated for select locations in 2003, 2007, and 2013. Utilizing a contemporary modeling platform, a new system-wide study will be prepared for the current status of the transmission system. The study will identify and recommend solutions to address current transient vulnerabilities in the water transmission system.

**Studies**

**Collector Wells, AQs, Tanks Seismic Mitigation Study**

**305,000**

The seismic mitigation planning study will advance feasibility evaluation and refine strategic approaches to implementing measures to mitigate failure risks of the water transmission system to specific seismic vulnerabilities identified as part of prior natural hazard reliability studies. Particular focus of the study will evaluate: 1) liquefaction mitigation solutions to protect collector wells at the Wohler-Mirabel production facilities, 2) strategies that best balance risk mitigation of aqueduct failure at numerous locations of potential seismic vulnerability against a cost-effective and timely implementation approach (including conducting a broad CPT investigation at numerous sites), and 3) analyze alternative seismic retrofit solutions at select water storage tanks.

**CPT Investigation for Liquefaction Mitigation**

**245,000**

Significant portions of the Water Transmission System have been identified as vulnerable to soil liquefaction based upon readily available regional data sources. Site specific investigations are warranted to verify actual soil conditions and liquefaction risk. Field investigations will be conducted at multiple sites along the water transmission system, utilizing cone penetration testing (CPT). Study results will be summarized in a report that will inform strategic decisions as to how best to implement and prioritize mitigation measures to reduce the risk of damage to the water transmission system.

**Groundwater Banking Feasibility - Pilot Studies**

**50,000**

In FY 21/22, Sonoma Water performed evaluation on the feasibility of converting its Sebastopol Rd and Occidental Rd production well sites to ASR wells and submitted a grant application to DWR under the 2021 Urban and Multi-benefit Drought Relief Funding program. In December 2021, DWR notified Sonoma Water that it had been awarded \$6.9M for the Santa Rosa Plain Drought Resiliency project. Funding for this project which will be reimbursed under the DWR grant is budgeted in Common Facilities section of the Water Transmission budget.

Funds expected to be expended in FY 22/23 would support an update to the regional 2013 Groundwater Banking Feasibility Study to 1) update the source water (Russian River) availability and transmission system capacity assumptions; 2) update assessment of potential ASR locations/operations, including those that benefit GSP implementation; and 3) design implement pilot studies for favorable areas.

**51803 Other Contract Services Project Information**

**FY22-23**

**Hydrography Study**

**15,000**

In order to better understand tributary flow dynamics on water supply and aquatic habitats, Sonoma Water hired Mike Webster as a consultant to assist with the installation and maintenance of an extensive stream gauging network of tributaries to the Russian River. Over the last fiscal year, Mike Webster has continued to capture manual stream discharge measurements at multiple gauged tributaries in order to maintain stream discharge rating curves. Mike Webster used his rating curves and stream flow measurements to develop an annual discharge computation for Feliz Creek, providing Sonoma Water with a daily streamflow summary for the tributary. Additionally, Mike continues to maintain real time stream gauging equipment, fixes and/or replaces damaged instruments and provides guidance to Sonoma Water staff in order to ensure that best practices are followed in capturing surface water streamflow.

**Regional Water Supply Resiliency Study**

**200,000**

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 could be used to evaluate strategies and water supply projects that would make the region more resilient to future water shortages.

Funds expended in FY 19/20 were used to develop a work plan in cooperation with Sonoma Water's Water Contractors. Funds budgeted for FY 20/21 were used expended on building the model and beginning to run scenarios focused on drought resiliency. Funds budgeted for FY 21/22 will be expended using the model to complete analysis of scenarios focused on drought scenarios and to begin evaluating water shortage scenarios resulting from disruptions to Sonoma Water's water supply and transmission system due to natural hazards such as seismic events, wildfires and flooding. Funds budgeted for FY 22/23 will be expended completing all modeling scenarios, completing development and evaluation of projects to improve the regions water supply reliability during periods of water supply shortages and completing a final report documenting the model and study results.

**Transmission System Monitoring Master Plan**

**175,000**

Develop a Water Transmission System Monitoring Master Plan to evaluate the existing water system operations monitoring equipment infrastructure, assess operational and regulatory requirements, and develop guidelines for design, operation and maintenance of all components in the monitoring network.

**Watershed Water Quality Monitoring - USGS and LBNL**

In collaboration with the USGS and Lawrence Berkeley National Laboratory (LBNL), Sonoma Water implemented a water quality monitoring program, beginning in 2017, to support assessment of the potential impacts to its production facilities from the recent wildfires in Sonoma and Mendocino Counties. The analytical program focuses on assessing the potential impacts related to runoff from areas containing ash, burned soil, burned debris and fire retardant. Collected water samples are analyzed for the following constituents: (1) dissolved organic carbon; (2) anions and cations; (3) trace metals (including lead, chromium, copper, arsenic and mercury); (4) nutrients; (5) anhydrous sugars; and (6) microbial DNA. Sediment samples are also collected at each site for analysis (carbon, nitrogen, mercury and DNA) to support ongoing research specific to the Sonoma Water's riverbank filtration facilities. In 2021/2022, Sonoma Water is collecting water quality samples from up to 8 sites along the mainstem of the Russian River and its tributaries. Protocols that were instituted to monitor impacts from previous fires were revised to monitor potential impacts from the Kincade Fire (Oct 2019) and Walbridge Fire (Aug 2020). . Ash samples collected from recent fires have been analyzed and used for research in column studies. Program continues sampling protocol through the wet season and dry season into FY 2022/2023.

**\$400,000**

**Wohler MCC & Chlorine Storage Facility Assessment**

Structural/Electrical assessment of Wohler Motor Control Center & Chlorine Storage Facility. Assessment will be informed the pH and Chlorine System Assessment and Update Project and will include analysis of needed building upgrades if required.

**\$400,000**

**FY 2022-23 BUDGET  
BEGINNING AND ENDING CASH SUMMARY**

Section Title: Water Management Planning

Fund/Department No: 44210 33041000

Account Title	Actual 2020-2021	Estimated 2021-2022	Adopted 2021-2022	Requested 2022-23	Difference	Percent Change
<b>BEGINNING FUND BALANCE</b>	<b>685,080</b>	<b>457,791</b>		<b>329,689</b>		
<b>REVENUES</b>						
<b>USE OF MONEY / PROPERTY</b>						
44002 Interest on Pooled Cash	5,555	1,680	1,680	1,680	0	0.00%
44050 Unrealized Gains and Losse:	(163)	0	0	0	0	N/A
SUBTOTAL	5,392	1,680	1,680	1,680	0	0.00%
<b>INTERGOVERNMENTAL REVENUE</b>						
42619 Town of Windsor	2,878	12	12	478	466	3842.77%
SUBTOTAL	2,878	12	12	478	466	3842.77%
<b>CHARGES FOR SERVICES</b>						
45301 Charges for Services	20	1	0	0	0	N/A
SUBTOTAL	20	1	0	0	0	N/A
<b>OTHER FINANCING SOURCES</b>						
47101 Transfers In - within a Fund	49,489	207	230	9,000	8,770	3813.04%
47102 Transfers In - btw Govtl Func	0	0	0	0	0	N/A
SUBTOTAL	49,489	207	230	9,000	8,770	3813.04%
<b>TOTAL REVENUES</b>	<b>57,779</b>	<b>1,900</b>	<b>1,922</b>	<b>11,158</b>	<b>9,236</b>	<b>480.52%</b>
<b>EXPENDITURES</b>						
<b>SERVICES AND SUPPLIES</b>						
51205 Advertising Marketing	0	0	0	0	0	N/A
51211 Legal Services	4,830	0	0	0	0	N/A
51212 Legal Services - External	340	0	0	0	0	N/A
51241 Outside Printing & Binding	0	0	0	0	0	N/A
51601 Training/Conference Expens	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	113,105	100,000	50,000	75,000	25,000	50.00%
51917 District Operations Chgs	153,412	30,000	30,000	0	(30,000)	(100.00%)
51921 Equipment Usage Charges	0	0	0	0	0	N/A
52171 Water Conservation Program	0	0	0	0	0	N/A
SUBTOTAL	271,687	130,000	80,000	75,000	(5,000)	(6.25%)
<b>OTHER CHARGES</b>						
53103 Interest on LT Debt	0	0	0	0	0	N/A
53501 Contributions	0	0	0	0	0	N/A
SUBTOTAL	0	0	0	0	0	N/A
<b>OTHER FINANCING USES</b>						
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
<b>TOTAL EXPENDITURES</b>	<b>271,687</b>	<b>130,000</b>	<b>80,000</b>	<b>75,000</b>	<b>(5,000)</b>	<b>(6.25%)</b>
<b>Adjustments to Reserves/Encumbrances:</b>						
Outstanding Encumbrances - Net Change	(13,545)	0		0		
Audit Adjustment (A/P)	0	0		0		
Unrealized Gain/ Loss (GASB 31)	163	0		0		
Rounding	0	(2)		1		
<b>ENDING FUND BALANCE</b>	<b>457,791</b>	<b>329,689</b>		<b>265,848</b>		

**FY 2022-23 BUDGET  
BEGINNING AND ENDING CASH SUMMARY**

Section Title: Watershed Planning/Restoration

Fund/Department No: 44215 33041100

Account Title	Actual 2020-2021	Estimated 2021-2022	Adopted 2021-2022	Requested 2022-23	Difference	Percent Change
<b>BEGINNING FUND BALANCE</b>	<b>10,980,934</b>	<b>12,565,071</b>		<b>7,697,453</b>		
<b>REVENUES</b>						
<b>USE OF MONEY / PROPERTY</b>						
44002 Interest on Pooled Cash	110,481	40,000	14,400	14,400	0	0.00%
44050 Unrealized Gains and Losses	(4,341)	0	0	0	0	N/A
SUBTOTAL	106,141	40,000	14,400	14,400	0	0.00%
<b>INTERGOVERNMENTAL REVENUE</b>						
42461 Federal Other Funding	83,464	0	75,000	0	(75,000)	(100.00%)
42619 Town of Windsor	367,036	322,618	322,618	79,538	(243,080)	(75.35%)
SUBTOTAL	450,501	322,618	397,618	79,538	(318,080)	(80.00%)
<b>CHARGES FOR SERVICES</b>						
<b>45301</b> Charges for Services	0	0	0	0	0	N/A
45332 Watershed Plan/Restore Chg	50,549	100,000	40,000	40,000	0	0.00%
<i>Subtotal Charges for Service</i>	50,549	100,000	40,000	40,000	0	0.00%
<b>MISCELLANEOUS REVENUE</b>						
46021 Capital Grants - Federal	0	0	0	0	0	N/A
46029 Donations/Contributions	0	0	400,000	0	(400,000)	(100.00%)
46040 Miscellaneous Revenue	0	0	0	0	0	N/A
46041 Discounts Earned	0	0	0	0	0	N/A
46050 Cancelled/Stale Dated Warrant	0	0	0	0	0	N/A
46200 Revenue Appl PY Misc Revent	0	0	0	0	0	N/A
SUBTOTAL	0	0	400,000	0	(400,000)	(100.00%)
<b>OTHER FINANCING SOURCES</b>						
47101 Transfers In - within a Fund	6,308,846	5,503,315	6,114,794	1,496,170	(4,618,624)	(75.53%)
47102 Transfers In - btw Govtl Funds	0	0	0	0	0	N/A
SUBTOTAL	6,308,846	5,503,315	6,114,794	1,496,170	(4,618,624)	(75.53%)
<b>TOTAL REVENUES</b>	<b>6,916,036</b>	<b>5,965,933</b>	<b>6,966,812</b>	<b>1,630,108</b>	<b>(5,336,704)</b>	<b>(76.60%)</b>
<b>EXPENDITURES</b>						
<b>SERVICES AND SUPPLIES</b>						
51021 Communication Expense	0	0	0	0	0	N/A
51061 Maintenance - Equipment	1,494	800	0	0	0	N/A
51205 Advertising Marketing	960	0	0	0	0	N/A
51209 Information Tech Svc (non ISD)	0	0	0	0	0	N/A
51211 Legal Services	8,942	3,000	0	0	0	N/A
51212 Legal Services - External	2,865	250	0	0	0	N/A
51221 Medical/Laboratory Services	0	0	0	0	0	N/A
51226 Consulting Services	0	0	0	0	0	N/A
51231 Testing/Analysis	81,441	140,000	0	0	0	N/A
51241 Outside Printing and Binding	633	0	0	0	0	N/A
51244 Permits/License/Fees	841	500	0	0	0	N/A
51401 Rents and Leases - Equipment	71,810	0	0	0	0	N/A
51402 Rents and Leases - Heavy Eq	9,700	0	0	0	0	N/A
51601 Training/Conference	0	0	0	0	0	N/A
51602 Business Travel/Mileage	0	0	0	0	0	N/A
51605 Private Car Expense	2,782	2,000	0	0	0	N/A
51801 Other Services	0	0	0	0	0	N/A
51803 Other Contract Services	1,848,287	4,343,405	3,904,405	5,043,920	1,139,515	29.19%

## Section Title:

Watershed Planning/Restoration

## Fund/Department No:

44215

33041100

Account Title	Actual 2020-2021	Estimated 2021-2022	Adopted 2021-2022	Requested 2022-23	Difference	Percent Change
51902 Telecommunication Usage	74	0	0	0	0	N/A
51917 District Operations Chgs	2,062,978	2,641,730	2,359,250	2,746,250	387,000	16.40%
51921 Equipment Usage Charges	48,151	50,000	0	0	0	N/A
52021 Clothing, Uniforms, Personal	2,316	1,500	0	0	0	N/A
52031 Food	0	0	0	0	0	N/A
52042 Janitorial Supplies	0	0	0	0	0	N/A
52043 Safety Supplies/Equipment	0	0	0	0	0	N/A
52061 Fuel/Gas/Oil	0	200	0	0	0	N/A
52063 Vehicle Parts	0	0	0	0	0	N/A
52071 Materials and Supplies Expens	4,013	500	0	0	0	N/A
52081 Medical/Laboratory Supplies	0	0	0	0	0	N/A
52091 Memberships/Certifications	0	0	0	0	0	N/A
52101 Other Supplies	0	0	0	0	0	N/A
52111 Office Supplies	0	0	0	0	0	N/A
52114 Freight/Postage	0	0	0	0	0	N/A
52115 Books/Media	719	0	0	0	0	N/A
52117 Mail and Postage Supplies	32	0	0	0	0	N/A
52141 Minor Equipment/Small Tools	282	4,500	0	0	0	N/A
52142 Computer Equipment/Accesso	0	0	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	0	0	0	0	0	N/A
<b>SUBTOTAL</b>	<b>4,148,319</b>	<b>7,188,385</b>	<b>6,263,655</b>	<b>7,790,170</b>	<b>1,526,515</b>	<b>24.37%</b>
<b>OTHER CHARGES</b>						
53104 Other Interest Expense	0	0	0	0	0	N/A
53402 Depreciation Expense	5,615	8,000	8,000	6,000	(2,000)	(25.00%)
53403 Loss - Disposed Capital Asset	26,016	0	0	0	0	N/A
53501 Contributions	0	0	0	0	0	N/A
<b>SUBTOTAL</b>	<b>31,631</b>	<b>8,000</b>	<b>8,000</b>	<b>6,000</b>	<b>(2,000)</b>	<b>(0)</b>
<b>REIMBURSEMENTS</b>						
58010 Reimb. - General	0	0	0	0	0	N/A
<b>SUBTOTAL</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>N/A</b>
<b>FIXED ASSETS</b>						
19840 Acq-WIP-Equipment	0	0	0	0	0	N/A
19841 Acq-WIP-Intangibles	440,408	3,645,166	1,022,139	1,200,000	177,861	N/A
19851 Intangible Assets - Non-amort	0	0	0	0	0	N/A
<b>SUBTOTAL</b>	<b>440,408</b>	<b>3,645,166</b>	<b>1,022,139</b>	<b>1,200,000</b>	<b>177,861</b>	<b>0</b>
<b>OTHER FINANCING USES</b>						
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
<b>SUBTOTAL</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>N/A</b>
<b>TOTAL EXPENDITURES</b>	<b>4,620,358</b>	<b>10,841,551</b>	<b>7,293,794</b>	<b>8,996,170</b>	<b>1,702,376</b>	<b>23.34%</b>
<b>Adjustments to Reserves/Encumbrances:</b>						
Outstanding Encumbrances - Net Change	(516,263)	0				
Capital Interest	0	0				
Depreciation	5,615	8,000		6,000		
Change in prepaid expense	0	0				
Gain/loss on disposal of Capital Assets	26,016					
Unrealized Gain/ Loss (GASB 31)	4,341	0				
Audit Adjustment (A/P)	(231,250)	0				
Rounding	0	0				
<b>ENDING FUND BALANCE</b>	<b>12,565,071</b>	<b>7,697,453</b>		<b>337,391</b>		

**FY 2022-23 BUDGET  
BEGINNING AND ENDING CASH SUMMARY**

Section Title: Recycled Water and Local Supply

Fund/Department No: 44220 33041200

Account Title	Actual 2020-2021	Estimated 2021-2022	Adopted 2021-2022	Requested 2022-23	Difference	Percent Change
<b>BEGINNING FUND BALANCE</b>	<b>212,245</b>	<b>256,671</b>		<b>211,639</b>		
<b>REVENUES</b>						
<b>USE OF MONEY / PROPERTY</b>						
44002 Interest on Pooled Cash	5,433	2,000	480	480	0	0.00%
44050 Unrealized Gains and Losses	(217)	0	0	0	0	N/A
SUBTOTAL	5,216	2,000	480	480	0	0.00%
<b>INTERGOVERNMENTAL REVENUE</b>						
42358 State Other Funding	0	0	0	0	0	N/A
42619 Town of Windsor	2,941	2,269	2,269	1,223	(1,046)	(46.11%)
SUBTOTAL	2,941	2,269	2,269	1,223	(1,046)	(46.11%)
<b>CHARGES FOR SERVICES</b>						
45301 Charges for Services	0	0	0	0	0	N/A
45333 Recycled Water & Local Supply	206	0	0	0	0	N/A
45401 Revenue Appl PY Chgs for Svcs	0	0	0	0	0	N/A
SUBTOTAL	206	0	0	0	0	0
<b>MISCELLANEOUS REVENUE</b>						
46022 Capital Grants-State	0	0	0	0	0	N/A
46029 Donations/Contributions	0	0	0	0	0	N/A
46200 Revenue Appl PY Misc Revenue	0	0	0	0	0	N/A
46029 Donations/Contributions	0	0	0	0	0	N/A
SUBTOTAL	0	0	0	0	0	N/A
<b>OTHER FINANCING SOURCES</b>						
47101 Transfers In - within a Fund	50,538	38,700	43,000	23,000	(20,000)	(46.51%)
47102 Transfers In - btw Govtl Funds	0	0	0	0	0	N/A
SUBTOTAL	50,538	38,700	43,000	23,000	(20,000)	(46.51%)
<b>TOTAL REVENUES</b>	<b>58,901</b>	<b>42,969</b>	<b>45,749</b>	<b>24,703</b>	<b>(21,046)</b>	<b>(46.00%)</b>

**EXPENDITURES**

**SERVICES AND SUPPLIES**

51021 Communication Expense	0	0	0	0	0	N/A
51061 Maintenance - Equipment	0	0	0	0	0	N/A
51205 Advertising/Marketing Svc	0	0	0	0	0	N/A
51209 Information Tech Svc (non ISD)	0	0	0	0	0	N/A
51211 Legal Services	0	0	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	0	0	0	0	0	N/A
51244 Permits/License/Fees	0	0	0	0	0	N/A
51401 Rents and Leases - Equipment	0	0	0	0	0	N/A
51601 Training Services	0	0	0	0	0	N/A
51602 Business Travel/Mileage	0	0	0	0	0	N/A
51803 Other Contract Services	0	0	0	0	0	N/A
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	2,243	8,000	15,000	0	(15,000)	(100.00%)
51921 Equipment Usage Charges	0	0	0	0	0	N/A

## Section Title:

Recycled Water and Local Supply

## Fund/Department No:

44220

33041200

Account Title	Actual 2020-2021	Estimated 2021-2022	Adopted 2021-2022	Requested 2022-23	Difference	Percent Change
52031 Food	0	0	0	0	0	N/A
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	0	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	0	0	0	0	0	N/A
52191 Utilities Expense	0	0	0	0	0	N/A
SUBTOTAL	2,243	8,000	15,000	0	(15,000)	(100.00%)
<b>OTHER CHARGES</b>						
53103 Interest on LT Debt	0	0	0	0	0	N/A
53104 Other Interest Expense	0	0	0	0	0	N/A
53402 Depreciation Expense	5,966	6,000	6,000	6,000	0	0.00%
53501 Contributions	11,772	80,000	80,000	50,000	(30,000)	(37.50%)
SUBTOTAL	17,738	86,000	86,000	56,000	(30,000)	(34.88%)
<b>FIXED ASSETS</b>						
19831 CIP - Bldg & Impr	0	0	0	0	0	N/A
19832 CIP - Infrastructure	0	0	0	0	0	N/A
19841 Work in Progress - Intang	0	0	0	0	0	N/A
SUBTOTAL	0	0	0	0	0	N/A
<b>OTHER FINANCING USES</b>						
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
<b>TOTAL EXPENDITURES</b>	<b>19,980</b>	<b>94,000</b>	<b>101,000</b>	<b>56,000</b>	<b>(45,000)</b>	<b>(44.55%)</b>
<b>Adjustments to Reserves/Encumbrances:</b>						
Outstanding Encumbrances - Net Change	2,265	0				
Change in Windsor Reserve	(2,941)	0				
Capital Interest	0	0		0		
Depreciation	5,966	6,000		6,000		
Audit Adjustment (A/P)	0	0		0		
Unrealized Gain/ Loss (GASB 31)	217	0		0		
Rounding	(2)	0				
<b>ENDING FUND BALANCE</b>	<b>256,671</b>	<b>211,639</b>		<b>186,342</b>		

**FY 2022-23 BUDGET  
BEGINNING AND ENDING CASH SUMMARY**

Section Title: Water Conservation

Fund/Department No: 44225 33041300

Account Title	Actual 2020-2021	Estimated 2021-2022	Adopted 2021-2022	Requested 2022-23	Difference	Percent Change
<b>BEGINNING FUND BALANCE</b>	<b>1,142,925</b>	<b>1,748,431</b>		<b>460,593</b>		
<b>REVENUES</b>						
<b>USE OF MONEY / PROPERTY</b>						
44002 Interest on Pooled Cash	16,603	6,000	3,360	3,360	0	0.00%
44050 Unrealized Gains and Losses	(561)	0	0	0	0	N/A
<b>SUBTOTAL</b>	<b>16,042</b>	<b>6,000</b>	<b>3,360</b>	<b>3,360</b>	<b>0</b>	<b>0.00%</b>
<b>INTERGOVERNMENTAL REVENUE</b>						
42358 State Other Funding	15,661	748,298	592,575	61,186	(531,389)	(89.67%)
42461 Federal Other Funding	0	0	0	935,195	935,195	N/A
42610 Other Governmental Agencies	0	0	0	0	0	N/A
42611 City of Santa Rosa	0	0	0	0	0	N/A
42612 City of Petaluma	0	0	0	0	0	N/A
42613 City of Rohnert Park	0	0	0	0	0	N/A
42615 City of Cotati	0	0	0	0	0	N/A
42618 City of Sonoma	0	0	0	0	0	N/A
42619 Town of Windsor	133,920	108,075	108,075	115,521	7,446	6.89%
42621 North Marin Water District	0	0	0	0	0	N/A
<b>SUBTOTAL</b>	<b>149,580</b>	<b>856,373</b>	<b>700,650</b>	<b>1,111,902</b>	<b>411,252</b>	<b>58.70%</b>
<b>Charges for Services</b>						
45301 Charges for Services	11,093	37,000	37,000	42,000	5,000	13.51%
45316 Water Conservation	23,224	20,000	0	0	0	N/A
<b>SUBTOTAL</b>	<b>34,317</b>	<b>57,000</b>	<b>37,000</b>	<b>42,000</b>	<b>5,000</b>	<b>13.51%</b>
<b>MISCELLANEOUS REVENUE</b>						
46021 Capital Gains - Federal	0	0	0	0	0	N/A
46022 Capital Grants - State	0	0	0	0	0	N/A
46029 Donations/Contributions	0	380,000	380,000	1,030,000	650,000	171.05%
46040 Miscellaneous Revenue	0	150,000	0	0	0	N/A
46041 Discounts Earned	0	0	0	0	0	N/A
46050 Cancelled/State Dated Warrants	0	0	0	0	0	N/A
46200 Revenue Appl PY Misc Revenue	0	0	0	0	0	N/A
46204 PY Intergovmntl Rev - Other	0	0	0	0	0	N/A
46215 Other Grants	0	0	0	0	0	N/A
<b>SUBTOTAL</b>	<b>0</b>	<b>530,000</b>	<b>380,000</b>	<b>1,030,000</b>	<b>650,000</b>	<b>171.05%</b>
<b>OTHER FINANCING SOURCES</b>						
47101 Transfers In - within a Fund	2,301,858	1,843,583	2,048,425	2,173,043	124,618	6.08%
47102 Transfers In - btw Govtl Funds	0	0	0	0	0	N/A
<b>SUBTOTAL</b>	<b>2,301,858</b>	<b>1,843,583</b>	<b>2,048,425</b>	<b>2,173,043</b>	<b>124,618</b>	<b>6.08%</b>
<b>TOTAL REVENUES</b>	<b>2,501,797</b>	<b>3,292,956</b>	<b>3,169,435</b>	<b>4,360,305</b>	<b>1,190,870</b>	<b>37.57%</b>
<b>EXPENDITURES</b>						
<b>SERVICES AND SUPPLIES</b>						
51021 Communication Expense	0	0	0	0	0	N/A
51032 Janitorial Services	0	0	0	0	0	N/A
51061 Maintenance - Equipment	3,164	20,000	0	0	0	N/A
51071 Maintenance - Bldg & Improve	0	10,000	0	0	0	N/A
51205 Advertising/Marketing Svc	105,767	230,000	0	0	0	N/A
51209 Information Tech Svc (non ISD)	244	90	0	0	0	N/A

## Section Title:

Water Conservation

## Fund/Department No:

44225

33041300

Account Title	Actual 2020-2021	Estimated 2021-2022	Adopted 2021-2022	Requested 2022-23	Difference	Percent Change
51211 Legal Services	2,070	2,000	0	0	0	N/A
51214 Agency Extra/Temp Help	0	0	0	0	0	N/A
51225 Training Services	0	3,200	0	0	0	N/A
51230 Security Services	218	0	0	0	0	N/A
51241 Outside Printing and Binding	18,545	53,500	53,500	73,500	20,000	37.38%
51244 Permits/License	0	0	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	412	0	0	0	0	N/A
51601 Training Services	848	0	0	0	0	N/A
51602 Business Travel/Mileage	0	5,000	13,000	13,000	0	0.00%
51605 Private Car Expense	0	150	0	0	0	N/A
51801 Other Services	0	0	0	0	0	N/A
51803 Other Contract Services	255,934	585,800	585,800	1,231,000	645,200	110.14%
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	1,889,316	1,900,000	1,900,000	1,962,238	62,238	3.28%
51921 Equipment Usage Charges	9,873	15,000	0	0	0	N/A
52021 Clothing, Uniforms	96	400	0	0	0	N/A
52031 Food	341	300	0	0	0	N/A
52042 Janitorial Supplies	0	200	0	0	0	N/A
52061 Fuel/Gas/Oil	0	0	0	0	0	N/A
52071 Materials and Supplies Expense	16,800	225,000	75,000	75,000	0	0.00%
52091 Memberships/Certifications	5,850	12,000	12,000	12,000	0	0.00%
52101 Other Supplies	0	0	0	0	0	N/A
52111 Office Supplies	609	250	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	0	0	0	0	0	N/A
52117 Mail and Postage Supplies	2,638	0	0	0	0	N/A
52141 Minor Equipment/Small Tools	0	0	0	0	0	N/A
52142 Computer Equipment/Accessories	279	500	0	0	0	N/A
52162 Special Department Expense	0	0	0	0	0	N/A
52171 Water Conservation Program	52,004	851,158	379,000	433,000	54,000	14.25%
52181 Business Meals/Supplies	0	0	0	0	0	N/A
<b>SUBTOTAL</b>	<b>2,365,008</b>	<b>3,914,548</b>	<b>3,018,300</b>	<b>3,799,738</b>	<b>781,438</b>	<b>25.89%</b>
<b>OTHER CHARGES</b>						
53500 Contributions Non-County Agy	0	0	0	0	0	N/A
53501 Contributions	0	556,700	556,700	967,686	410,986	73.83%
53502 Community Grants	0	3,100	0	0	0	N/A
<b>SUBTOTAL</b>	<b>0</b>	<b>559,800</b>	<b>556,700</b>	<b>967,686</b>	<b>410,986</b>	<b>73.83%</b>
<b>OTHER FINANCING USES</b>						
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
<b>SUBTOTAL</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>N/A</b>
<b>TOTAL EXPENDITURES</b>	<b>2,365,008</b>	<b>4,474,348</b>	<b>3,575,000</b>	<b>4,767,424</b>	<b>1,192,424</b>	<b>33.35%</b>
<b>Adjustments to Reserves/Encumbrances:</b>						
Outstanding Encumbrances - Net Chan	380,201	0		0		
Change in Windsor Reserve	87,956	(106,446)		0		
Change in Prepaid Expense	0	0		0		
Unrealized Gain/ Loss (GASB 31)	561	0		0		
Rounding	(1)	0		0		
<b>ENDING FUND BALANCE</b>	<b>1,748,431</b>	<b>460,593</b>		<b>53,474</b>		

## Water Transmission Budget

2022-23

### Itemized Detail for Subfunds Consulting/Contractual Services

Budget  
FY22-23

#### Water Management Planning

Annual Water Supply and Demand Assessment: Develop scope, cost, and schedule to complete a water supply and demand analysis and preparation and submittal of the required Annual Water Shortage Assessment Report to the Department of Water Resources by July 1 each year. Results of the Annual Assessment are also required to inform the work of Sonoma Water's contractors' Assessment Reports to DWR.	\$ 25,000
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#### Watershed Planning/Restoration

<u>RRIFR Decision 1610 Change Petition:</u> Russian River Flows: Continued preparation of 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, preparation of recirculated Draft EIR, and any additional impact analysis, flow modeling, and monitoring, 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 Sonoma Water staff, with assistance from consultants on some areas of analysis. A Draft EIR was released on August 19, 2016. In FY21/22, most of the work will focus on preparing the recirculated Draft EIR. Work also includes submission of annual Temporary Urgency Change (TUC) Petition to the State Board to approve the requested changes to minimum in-stream flows as identified in the Biological Opinion and fisheries and water quality monitoring and reporting required by any State Board TUC Order. Work anticipated for FY22-23 includes work on the recirculated draft EIR, reviewing public comments, preparation of the Final EIR, and presentation to the Board of Directors to certify, as well as monitoring and reporting related to the annual TUC.	\$ 280,000
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<u>RRIFR Estuary Management:</u> Required Annual Biological Opinion Activities: Sonoma Water, 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 juvenile steelhead and coho salmon rearing surveys, and prepare annual reports. Other FY21/22 and FY22/23 activities include installation and monitoring of downstream migrant salmonid traps and water quality monitoring stations, and flood risk feasibility studies. Compared to FY21-22, the Estuary Management budget has decreased due to completion of invertebrate monitoring requirements. Work anticipated for FY22-23 includes preparation of the annual adaptive management plan, renewing regulatory permits and continuation of required monitoring and studies.	\$ 450,000
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<u>Upper Russian River Water Quality Monitoring:</u> This water quality monitoring was conducted in FY21-22 for the Upper Russian River, including the East Fork Russian River above Lake Mendocino and Lake Mendocino to contribute to planning and modeling efforts for the Potter Valley Project (PVP), Lake Mendocino management, Fish Habitat Flows and Water Rights Project, the Forecast Informed Reservoir Operations (FIRO) projects, and the ongoing drought conditions. Monitoring included the deployment of datasondes and collection of grab samples, as well as laboratory analysis. The budget has increased \$7,000 due to changes in field data collection and lab analysis. Work anticipated for FY22-23 includes the efforts described above.	\$ 23,000
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<u>Winter Russian River Algae /WQ Monitoring:</u> This water quality monitoring was conducted for over winter water quality and algae monitoring on the mainstem Russian River to collect data on conditions during changes in watershed hydrology. Monitoring included deployment of datasondes, collection of grab samples, sampling of algae, as well as laboratory analysis. Compared to FY21-22, the budget for FY22-23 remains the same for this activity. Work anticipated for FY22-23 includes the efforts described above.	\$ 14,000
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3/1/2022

## Water Transmission Budget

2022-23

### Itemized Detail for Subfunds Consulting/Contractual Services

	<b>Budget FY22-23</b>
Landscape Resiliency: Build fire landscape resiliency through vegetation management at Lake Sonoma to protect source water quality in partnership with the U.S. Army Corps and with offsetting matching revenue from PGE Settlement Funds.	\$ 100,000
	<b>\$ 767,000</b>
<b>Recycled Water and Local Supply</b>	
Funding for Groundwater Management in FY 22/23 for Groundwater Sustainability activities.	\$ 50,000
	<b>\$ 50,000</b>
<b>Water Conservation</b>	
<b>51241-Outside Printing and Binding</b>	
WUE Program materials, Green Business Program brochures, Garden Sense materials, and Russian River Friendly Workshop	\$ 73,500
<b>51602-Business Travel/Mileage</b>	
Attend local and statewide meetings representing the Partnership and Sonoma Water	\$ 13,000
<b>51803-Other Contract Services</b>	
Community Action Challenge: Event provides training and local workshops to promote water use efficiency	\$ 20,000
Eco-Friendly Garden Tour: Video production costs for online, virtual garden tour event	\$ 15,000
Garden Sense Contract: Funding provides onsite visits by local master gardeners to support local turf removal programs	\$ 20,000
Green Business Program: Funding to staff a part time position which provides water assessments for local businesses pursuing the Green Business Certification	\$ 30,000
Online Educational Content: Development of online educational content	\$ 25,000
Plant Labeling Program: Funding for nursery liaison to ensure locally appropriate plants are labeled	\$ 15,000
QWEL: Instructors to teach QWEL trainings and Database maintenance contract	\$ 43,000
Sonoma County Fair: Development of new fair exhibit and materials and hardware that are WUE focused for distribution at the Sonoma County fair	\$ 15,000
SMSWP website: Website hosting, maintenance, and development	\$ 14,000
Bus Contract: Shuttle from school to field study sites for Water Education Program	\$ 50,000
Water Loss Programs: Technical assistance for regional water loss meetings, regional program assistance, and validation services for contractor annual water loss audits	\$ 34,000
Windsor Amended Reimbursement Agreement: Funding for Windsor's water conservation program reimbursable expenses	\$ 950,000
	<b>\$ 1,231,000</b>

3/1/2022

## Water Transmission Budget

2022-23

### Itemized Detail for Subfunds Consulting/Contractual Services

	Budget FY22-23
<b>51917-District Operations Chgs</b>	
Salaries, benefits and overhead costs for staff assigned to projects budgeted within the Water Conservation Fund	\$ 1,962,238
<b>52071-Materials and Supplies Expense</b>	
Water Ed Teaching Materials: pH strips, fabric for displays, youth outreach displays, pencil sharpeners, pencils, classroom testing kits, maps, workbooks, rulers, toothbrushes, stickers, etc.	\$ 75,000
<b>52091-Memberships/Certifications</b>	
Irrigation Association Certificate Renewals, Water Education Foundation, and California Water Efficiency Partnership, Alliance for Water Efficiency, etc.	\$ 12,000
<b>52171-Water Conservation Program</b>	
Outdoor Water Use Focused Programs: Qualified Water Efficient Landscaper Training in English and Spanish, Russian River Friendly Workshops, Living Learning Landscapes Demo Gardens, etc.	\$ 38,000
Public Information/Outreach Programs: Media campaign for the Sonoma-Marín Saving Water Partnership including media ad buy, ad development, DIY toolkits	\$ 245,000
Saving Water Partnership Wholesaler Support: Act as the regional liaison attend meetings of the CalWEP, Alliance for Water Efficiency, Independent Technical Panel, Urban Advisory Group, CA Science Teachers Association, environmental education conference	\$ 30,000
School Education Program: Such as assembly program, RAY Fellowship, port-a-potties, steelhead in the classroom program, youth outreach events, teacher program, teacher trainings, educational workbooks, maps	\$ 90,000
Seminars, Workshops, Training: Host trainings/ workshops to benefit the Partnership, such as Water Loss, WELO; Participation in national/statewide studies such as those conducted by CalWEP and AWE	\$ 30,000
	\$ 433,000
Total	\$ 3,799,738

**FY 2022-23 BUDGET  
BEGINNING AND ENDING CASH SUMMARY**

Section Title:  
Fund/Department No:

<b>Santa Rosa Aqueduct Capital Fund</b>	
<b>44230</b>	<b>33045000</b>

Account Title	Actual 2020-2021	Estimated 2021-2022	Adopted 2021-2022	Requested 2022-23	Difference	Percent Change
<b>BEGINNING FUND BALANCE</b>	<b>7,881,399</b>	<b>8,399,534</b>		<b>7,955,063</b>		

**REVENUES**

**USE OF MONEY / PROPERTY**

44002 Interest on Pooled Cash	62,294	26,400	26,400	26,400	0	0.00%
44003 Other Interest Earnings	0	0	0	0	0	N/A
44050 Unrealized Gains & Los	(2,486)	0	0	0	0	N/A
SUBTOTAL	59,807	26,400	26,400	26,400	0	0.00%

**MISCELLANEOUS REVENUES**

46040 Miscellaneous Revenue	0	0	0	0	0	N/A
46021 Capital Grants - Federal	9,561	0	0	0	0	N/A
46029 Donations/Contributions	0	0	0	0	0	N/A
46050 Cancelled/Stale Dated V	128	0	0	0	0	N/A
SUBTOTAL	9,689	0	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	609,535	449,129	449,129	279,159	(169,970)	(37.84%)
47102 Transfers In - btw Govtl	0	0	0	0	0	N/A
SUBTOTAL	609,535	449,129	449,129	279,159	(169,970)	(37.84%)

**SPECIAL ITEMS**

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

<b>TOTAL REVENUES</b>	<b>679,032</b>	<b>475,529</b>	<b>475,529</b>	<b>305,559</b>	<b>(169,970)</b>	<b>(35.74%)</b>
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**EXPENDITURES**

**OTHER CHARGES**

53103 Interest on LT Debt	0	0	0	0		
53104 Other Interest Expense	0	0	0	0		
53105 Costs of Issuance	0	0	0	0		
SUBTOTAL	0	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	167,058	920,000	800,000	50,000	(750,000)	(93.75%)
19840 Work in Progress - Eq	0	0	0	0		
19841 Work in Progress - Intar	0	0	0	0		

Section Title:  
Fund/Department No:

<b>Santa Rosa Aqueduct Capital Fund</b>	
<b>44230</b>	<b>33045000</b>

Account Title	Actual 2020-2021	Estimated 2021-2022	Adopted 2021-2022	Requested 2022-23	Difference	Percent Change
19851 Intangible Assets - Non-	0	0	0	0		
SUBTOTAL	167,058	920,000	800,000	50,000	(750,000)	(93.75%)
<b>OTHER FINANCING USES</b>						
57011 Transfers Out - within a	0	0	0	0	0	N/A
SUBTOTAL	0	0	0	0	0	N/A
<b>TOTAL EXPENDITURES</b>	<b>167,058</b>	<b>920,000</b>	<b>800,000</b>	<b>50,000</b>	<b>(750,000)</b>	<b>(93.75%)</b>

**Adjustments to Reserves/Encumbrances:**

Repayment of Loan to Storage	0	0	0
Unrealized Gain/ Loss (GASB 31)	3,675	0	0
Capitalized Interest	2,486	0	0
Rounding	0	0	0

<b>ENDING FUND BALANCE</b>	<b>8,399,534</b>	<b>7,955,063</b>	<b>8,210,622</b>
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**FY 2022-23 BUDGET  
BEGINNING AND ENDING CASH SUMMARY**

Section Title:

Petaluma Aqueduct Capital Fund

Fund/Department No:

44235

33045100

Account Title	Actual 2020-2021	Estimated 2021-2022	Adopted 2021-2022	Requested 2022-23	Difference	Percent Change
<b>BEGINNING FUND BALANCE</b>	<b>8,064,692</b>	<b>8,020,746</b>		<b>7,079,106</b>		
<b>REVENUES</b>						
<b>USE OF MONEY / PROPERTY</b>						
44002 Interest on Pooled Cash	63,280	33,120	33,120	33,120	0	0.00%
44003 Other Interest Earnings	0	0	0	0	0	N/A
44050 Unrealized Gains & Losses	(2,374)	0	0	0	0	N/A
SUBTOTAL	60,906	33,120	33,120	33,120	0	0.00%
<b>MISCELLANEOUS REVENUE</b>						
46021 Capital Gains - Federal	205,639	2,013,215	0	0	0	N/A
SUBTOTAL	205,639	2,013,215	0	0	0	N/A
<b>ADMINISTRATIVE CONTROL ACCOUNT</b>						
49002 Advances	0	0	0	0	0	N/A
49003 Advances Clearing	0	0	0	0	0	N/A
SUBTOTAL	0	0	0	0	0	N/A
<b>OTHER FINANCING SOURCES</b>						
47101 Transfers In - within a Fund	393,620	253,676	253,676	155,228	(98,448)	(38.81%)
47102 Transfers In - btw Govtl Funds	0	0	0	0	0	N/A
SUBTOTAL	393,620	253,676	253,676	155,228	(98,448)	(38.81%)
<b>TOTAL REVENUES</b>	<b>660,165</b>	<b>2,300,011</b>	<b>286,796</b>	<b>188,348</b>	<b>(98,448)</b>	<b>(34.33%)</b>
<b>EXPENDITURES</b>						
<b>OTHER CHARGES</b>						
53103 Interest on LT Debt	0	0	0	0		
53104 Other Interest Expense	0	0	0	0		
53105 Costs of Issuance	0	0	0	0		
53403 Loss - Disposed Capital Asset	0	0	0	0		
SUBTOTAL	0	0	0	0	0	N/A
<b>FIXED ASSETS</b>						
19820 Machinery and Equipment	0	0	0	0		
19822 Mobile Equipment	0	0	0	0		
19824 Computer Equipment	0	0	0	0		
19831 CIP - Bldg & Impr	0	0	0	0		
19832 CIP - Infrastructure	880,015	3,238,651	202,411	941,215	738,804	365.00%
19840 Work in Progress - Eq	0	0	0	0	0	N/A
19841 Work in Progress - Intang	5,419	3,000	0	0	0	N/A
19851 Intangible Assets - Non-amort	0	0	0	0		
SUBTOTAL	885,434	3,241,651	202,411	941,215	738,804	365.00%

## Section Title:

Petaluma Aqueduct Capital Fund

Fund/Department No:

44235

33045100

Account Title	Actual 2020-2021	Estimated 2021-2022	Adopted 2021-2022	Requested 2022-23	Difference	Percent Change
<b><u>SPECIAL ITEMS</u></b>						
56030 Residual Equity Transfers	0	0	0	0	0	N/A
SUBTOTAL	0	0	0	0	0	N/A
<b><u>OTHER FINANCING USES</u></b>						
57011 Transfers Out - within a Fund	0	0	0	0	0	N/A
SUBTOTAL	0	0	0	0	0	N/A
<b>TOTAL EXPENDITURES</b>	<b>885,434</b>	<b>3,241,651</b>	<b>202,411</b>	<b>941,215</b>	<b>738,804</b>	<b>365.00%</b>
<b>Adjustments to Reserves/Encumbrances:</b>						
Advance to Common	0	0		0		
Increase/(Decrease) in Loan Payable	0	0		0		
Capitalized Interest	0	0		0		
Loss on Fixed Asset	0	0		0		
Principal Received on Loan	0	0		0		
Change in Encumbrances	208,886	0		0		
Donated Asset	(29,937)	0		0		
Unrealized Gain/ Loss (GASB 31)	2,374	0		0		
Rounding	0					
<b>ENDING FUND BALANCE</b>	<b>8,020,746</b>	<b>7,079,106</b>		<b>6,326,239</b>		

**FY 2022-23 BUDGET  
BEGINNING AND ENDING CASH SUMMARY**

Section Title:

Sonoma Aqueduct Capital Fund

Fund/Department No:

44240

33045200

Account Title	Actual 2020-2021	Estimated 2021-2022	Adopted 2021-2022	Requested 2022-23	Difference	Percent Change
<b>BEGINNING FUND BALANCE</b>	<b>605,188</b>	<b>662,993</b>		<b>4,259</b>		
<b>REVENUES</b>						
<b>USE OF MONEY / PROPERTY</b>						
44002 Interest on Pooled Cash	28,378	6,000	480	480	0	0.00%
44003 Other Interest Earnings	0	0	0	0	0	N/A
44050 Unrealized Gains & Losses	(690)	0	0	0	0	N/A
SUBTOTAL	27,688	6,000	480	480	0	0.00%
<b>MISCELLANEOUS REVENUES</b>						
46200 Transfers In - within a Fund	9,463	0	0	0	0	N/A
SUBTOTAL	9,463	0	0	0	0	N/A
<b>OTHER FINANCING SOURCES</b>						
47101 Transfers In - within a Fund	614,777	446,642	351,642	145,727	(205,914)	(58.56%)
47102 Transfers In - btw Govtl Func	0	0	0	155,000	155,000	N/A
SUBTOTAL	614,777	446,642	351,642	300,727	(50,914)	(14.48%)
<b>SPECIAL ITEMS</b>						
48004 Residual Equity Transfers	0	0	0	0	0	N/A
SUBTOTAL	0	0	0	0	0	N/A
<b>TOTAL REVENUES</b>	<b>651,929</b>	<b>452,642</b>	<b>352,122</b>	<b>301,207</b>	<b>(50,914)</b>	<b>(14.46%)</b>
<b>EXPENDITURES</b>						
<b>OTHER CHARGES</b>						
53103 Interest on LT Debt	0	0	0	0		
53104 Other Interest Expense	0	0	0	0		
53105 Costs of Issuance	0	0	0	0		
53403 Loss-Disposed Capital Asset	0	0	0	0		
SUBTOTAL	0	0	0	0	0	N/A
<b>FIXED ASSETS</b>						
19820 Machinery and Equipment	0	0	0	0		
19822 Mobile Equipment	0	0	0	0		
19824 Computer Equipment	0	0	0	0		
19831 CIP - Bldg & Impr	0	0	0	0		
19832 CIP - Infrastructure	3,587,176	1,111,376	50,000	25,000	(25,000)	(50.00%)
19840 Work in Progress - Eq	0	0	0	0		
19841 Work in Progress - Intang	0	0	0	0		
19851 Intangible Assets - Non-amor	0	0	0	0		
SUBTOTAL	3,587,176	1,111,376	50,000	25,000	(25,000)	(50.00%)
<b>OTHER FINANCING USES</b>						
57011 Transfers Out - within a Func	0	0	0	0	0	N/A
SUBTOTAL	0	0	0	0	0	N/A
<b>TOTAL EXPENDITURES</b>	<b>3,587,176</b>	<b>1,111,376</b>	<b>50,000</b>	<b>25,000</b>	<b>(25,000)</b>	<b>(50.00%)</b>
<b>Adjustments to Reserves/Encumbrances:</b>						
Outstanding Encumbrances - Net Change	2,992,362	0		0		
Sale or Purchase of Fixed Asset	0	0		0		
Unrealized Gain/ Loss (GASB 31)	690	0		0		
Rounding	0	0		0		
<b>ENDING FUND BALANCE</b>	<b>662,993</b>	<b>4,259</b>		<b>280,466</b>		

**FY 2022-23 BUDGET  
BEGINNING AND ENDING CASH SUMMARY**

Section Title:

Storage Facilities

Fund/Department No:

44250

33043000

Account Title	Actual 2020-2021	Estimated 2021-2022	Adopted 2021-2022	Requested 2022-23	Difference	Percent Change
<b>BEGINNING FUND BALANCE</b>	815,319	1,078,200		171,387		
<b>REVENUES</b>						
<b><u>USE OF MONEY / PROPERTY</u></b>						
44002 Interest on Pooled Cash	6,871	3,000	0	0	0	N/A
44050 Unrealized Gains & Losses	(256)	0	0	0	0	N/A
SUBTOTAL	6,615	3,000	0	0	0	N/A
<b><u>MISCELLANEOUS REVENUE</u></b>						
46021 Capital Grants - Federal	0	0	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	0	0	0	0	0	N/A
46200 PY Revenue - Miscellaneous	0	0	0	0	0	N/A
SUBTOTAL	0	0	0	0	0	N/A
<b><u>Administrative Control</u></b>						
49002 Advances	0	0	0	0	0	N/A
49003 Advances Clearing	0	0	0	0	0	N/A
SUBTOTAL	0	0	0	0	0	N/A
<b><u>OTHER FINANCING SOURCES</u></b>						
47101 Transfers In - within a Fund	300,000	120,000	120,000	220,000	100,000	83.33%
47102 Transfers In - btw Govtl Funds	0	0	0	900,000	900,000	N/A
SUBTOTAL	300,000	120,000	120,000	1,120,000	1,000,000	833.33%
<b>TOTAL REVENUES</b>	<b>306,615</b>	<b>123,000</b>	<b>120,000</b>	<b>1,120,000</b>	<b>1,000,000</b>	<b>833.33%</b>
<b>EXPENDITURES</b>						
<b><u>OTHER CHARGES</u></b>						
53103 Interest on LT Debt	0	0	0	0	0	N/A
53104 Other Interest Expense	0	0	0	0	0	N/A
53403 Loss - Disposed Capital Asset	0	0	0	0	0	N/A
SUBTOTAL	0	0	0	0	0	N/A
<b><u>FIXED ASSETS</u></b>						
19831 CIP - Bldg & Impr	0	0	0	0	0	N/A
19832 CIP - Infrastructure	69,077	967,518	25,000	1,100,000	1,075,000	4300.00%
19841 Acq-WIP-Intangibles	4,851	62,295	0	0	0	N/A
19851 Intangible Assets - Non-amort	0	0	0	0	0	N/A
SUBTOTAL	73,928	1,029,813	25,000	1,100,000	1,075,000	4300.00%

## Section Title:

Storage Facilities

Fund/Department No:

44250

33043000

Account Title	Actual 2020-2021	Estimated 2021-2022	Adopted 2021-2022	Requested 2022-23	Difference	Percent Change
<b><u>ADMINISTRATIVE CONTROL ACCOUNT</u></b>						
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
<b><u>OTHER FINANCING USES</u></b>						
57011 Transfers Out - within a Fund	0	0	0	0	0	N/A
SUBTOTAL	0	0	0	0	0	N/A
<b>TOTAL EXPENDITURES</b>	<b>73,928</b>	<b>1,029,813</b>	<b>25,000</b>	<b>1,100,000</b>	<b>1,075,000</b>	<b>4300.00%</b>
<b>Adjustments to Reserves/Encumbrances:</b>						
Repayment of Loan from SR Aqueduct Cap	0	0		0		
Princ. Pymnt on loan from SR Aqueduct Cap	0	0		0		
Advances	0	0		0		
Outstanding Encumbrances - Net Change	0	0		0		
PY CIP adjustment - reclass to PY Exp	0	0		0		
B & I Tsfrs	0	0		0		
LTD Proceeds	0	0		0		
Sold Asset	29,937	0		0		
Capitalized Interest	0	0		0		
Move Project CIP Balance	0	0		0		
Gain/loss on disposal of Capital Assets	0	0		0		
Unrealized Gain/ Loss (GASB 31)	256	0		0		
PY Encumbrances	0	0		0		
Rounding	1	0		0		
<b>ENDING FUND BALANCE</b>	<b>1,078,200</b>	<b>171,387</b>		<b>191,387</b>		

**FY 2022-23 BUDGET**  
**BEGINNING AND ENDING CASH SUMMARY**

Section Title: Common Facilities  
Fund/Department No: 44260 33043200

Account Title	Actual 2020-2021	Estimated 2021-2022	Adopted 2021-2022	Requested 2022-23	Difference	Percent Change
<b>BEGINNING FUND BALANCE</b>	<b>9,688,314</b>	<b>11,978,801</b>		<b>1,758,487</b>		
<b>REVENUES</b>						
<b>USE OF MONEY / PROPERTY</b>						
44002 Interest on Pooled Cash	74,160	60,000	4,800	4,800	0	0.00%
44003 Other Interest Earnings	0	0	0	0	0	N/A
44050 Unrealized Gains & Losses	(2,599)	0	0	0	0	N/A
SUBTOTAL	71,561	60,000	4,800	4,800	0	0.00%
<b>CHARGES FOR SERVICES</b>						
45062 Construct/Bldg Permit Rvw Svc	0	0	0	0	0	N/A
SUBTOTAL	0	0	0	0	0	N/A
<b>MIECELLANEOUS REVENUES</b>						
46021 Capital Grants - Federal	191,641	2,685,502	0	0	0	N/A
46022 Capital Grants - State	0	3,000,000	0	3,900,000	3,900,000	N/A
46029 Donations/Contributions	0	0	0	0	0	N/A
46040 Miscellaneous Revenue	145,894	254,106	0	0	0	N/A
46041 Discounts Earned	0	0	0	0	0	N/A
46200 Revenue Appl PY Misc Revenu	0	0	0	0	0	N/A
SUBTOTAL	337,535	5,939,608	0	3,900,000	3,900,000	N/A
<b>ADMINISTRATIVE CONTROL</b>						
49002 Advances	0	0	0	0	0	N/A
49003 Advances Clearing	0	0	0	0	0	N/A
SUBTOTAL	0	0	0	0	0	N/A
<b>OTHER FINANCING SOURCES</b>						
47101 Transfers In - within a Fund	12,031,401	300,000	1,946,689	6,100,000	4,153,311	213.35%
47102 Transfers In - btw Govtl Funds	0	0	0	0	0	N/A
SUBTOTAL	12,031,401	300,000	1,946,689	6,100,000	4,153,311	213.35%
<b>TOTAL REVENUES</b>	<b>12,440,497</b>	<b>6,299,608</b>	<b>1,951,489</b>	<b>10,004,800</b>	<b>8,053,311</b>	<b>412.68%</b>
<b>EXPENDITURES</b>						
<b>OTHER CHARGES</b>						
53103 Interest on LT Debt	0	0	0	0	0	N/A
53104 Other Interest Expense	0	0	0	0	0	N/A
53403 Loss - Disposed Capital Asset	0	0	0	0	0	N/A
SUBTOTAL	0	0	0	0	0	N/A
<b>FIXED ASSETS</b>						
19810 Land	0	0	0	0	0	N/A
19812 Acq-CIP-Land	0	0	0	0	0	N/A
19831 CIP - Bldg & Impr	0	0	0	0	0	N/A
19832 CIP - Infrastructure	3,633,012	14,269,922	7,846,689	11,134,466	3,287,777	41.90%
19840 Acq-WIP-Equipment	0	0	0	0	0	N/A

Section Title:

**Common Facilities**

Fund/Department No:

**44260      33043200**

Account Title	Actual 2020-2021	Estimated 2021-2022	Adopted 2021-2022	Requested 2022-23	Difference	Percent Change
19841 Work in Progress - Intang	0	1,125,000	250,000	0	(250,000)	(100.00%)
19851 Intangible Assets - Non-amort	0	1,125,000	500,000	0	(500,000)	(100.00%)
<b>SUBTOTAL</b>	<b>3,633,012</b>	<b>16,519,922</b>	<b>8,596,689</b>	<b>11,134,466</b>	<b>2,537,777</b>	<b>29.52%</b>
<b><u>OTHER FINANCING USES</u></b>						
57011 Transfers Out - within a Fund	0	0	0	0	0	N/A
<b>SUBTOTAL</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>N/A</b>
<b><u>ADMINISTRATIVE CONTROL ACCOUNT</u></b>						
59002 Advances	0	0	0	0	0	N/A
59003 Advances Clearing	0	0	0	0	0	N/A
<b>SUBTOTAL</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>N/A</b>
<b>TOTAL EXPENDITURES</b>	<b>3,633,012</b>	<b>16,519,922</b>	<b>8,596,689</b>	<b>11,134,466</b>	<b>2,537,777</b>	<b>29.52%</b>
<b>Adjustments to Reserves/Encumbrances:</b>						
Loan from Petaluma Aqueduct Capital Fund	0	0		0		
Principal payment on Loan from Petaluma / Advances	0	0		0		
Outstanding Encumbrances - Net Change	(7,283,616)	0		0		
Capitalized Interest	0	0		0		
Gain/loss on disposal of Capital Assets	0	0		0		
Proceeds from State Loan & Other LT Debt	0	0		0		
PY CIP adjustment - reclass to PY Exp (los B & I Tsfr to ISF (Facilities) Fund	0	0		0		
Auditor Adj - Reversal of Duplicate Pymt	0	0		0		
Sale or Purchase of Fixed Asset	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	764,020	0		0		
Unrealized Gain/ Loss (GASB 31)	2,599	0		0		
Rounding	(1)	0		0		
<b>ENDING FUND BALANCE</b>	<b>11,978,801</b>	<b>1,758,487</b>		<b>628,821</b>		

**FY 2022-23 BUDGET  
BEGINNING AND ENDING CASH SUMMARY**

Section Title: North Marin Water Deposit

Fund/Department No: 44300 33045300

Account Title	Actual 2020-2021	Estimated 2021-2022	Adopted 2021-2022	Requested 2022-23	Difference	Percent Change
<b>BEGINNING FUND BALANCE</b>	69,623	1,127,825		1,127,906		

**REVENUES**

**USE OF MONEY / PROPERTY**

44002 Interest on Pooled Cash	7,297	81	81	81	0	0.00%
44050 Unrealized Gains and Losses	(338)	0	0	0	0	N/A
SUBTOTAL	6,959	81	81	81	0	0.00%

**Intergovernmental Revenue**

42610 Other Governmental Agencies	52,545	0	0	0	0	N/A
SUBTOTAL	52,545	0	0	0	0	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

<b>TOTAL REVENUES</b>	<b>59,504</b>	<b>81</b>	<b>81</b>	<b>81</b>	<b>0</b>	<b>0.00%</b>
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**EXPENDITURES**

**OTHER CHARGES**

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

**OTHER FINANCING USES**

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

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

Unrealized Gain/ Loss (GASB 31)	338	0				
Post Audit Adjustment	998,360	0				
Post Audit Adjustment	0	0				
Rounding	0	0				

<b>ENDING FUND BALANCE</b>	1,127,825	1,127,906		1,127,987		
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**FY 2022-23 BUDGET  
BEGINNING AND ENDING CASH SUMMARY**

Section Title: State Loan Debt Service Fund

Fund/Department No: 44265 33047000

Account Title	Actual 2020-2021	Estimated 2021-2022	Adopted 2021-2022	Requested 2022-23	Difference	Percent Change
<b>BEGINNING FUND BALANCE</b>	<b>\$452,500</b>	<b>\$606,376</b>		<b>\$620,067</b>		
<b>REVENUES</b>						
<b>USE OF MONEY / PROPERTY</b>						
44002 Interest on Pooled Cash	9,559	1,920	1,920	1,920	0	0.00%
44003 Other Interest Earnings	0	0	0	0	0	N/A
44050 Unrealized Gains and Losses	(431)	0	0	0	0	N/A
SUBTOTAL	9,128	1,920	1,920	1,920	0	0.00%
<b>OTHER FINANCING SOURCES</b>						
47101 Transfers In - within a Fund	1,196,267	1,196,267	1,196,267	1,196,268	1	0.00%
47102 Transfers In - btw Govtl Funds	0	0	0	0	0	N/A
SUBTOTAL	1,196,267	1,196,267	1,196,267	1,196,268	1	0.00%
<b>TOTAL REVENUES</b>	<b>1,205,395</b>	<b>1,198,187</b>	<b>1,198,187</b>	<b>1,198,188</b>	<b>1</b>	<b>0.00%</b>
<b>EXPENDITURES</b>						
<b>OTHER CHARGES</b>						
53103 Interest on LT Debt	201,220	177,619	177,619	153,355	(24,264)	(13.66%)
SUBTOTAL	201,220	177,619	177,619	153,355	(24,264)	(13.66%)
<b>OTHER FINANCING USES</b>						
57011 Transfers Out - within a Fund	0	120,000	120,000	120,000	0	0.00%
SUBTOTAL	0	120,000	120,000	120,000	0	0.00%
<b>ADMIN. CONTROL ACCOUNT</b>						
59002 Advances	839,012	862,613	862,613	886,878	24,265	2.81%
59003 Advances Clearing	(839,012)	(862,613)	(862,613)	(886,878)	(24,265)	2.81%
SUBTOTAL	0	0	0	0	0	N/A
<b>TOTAL EXPENDITURES</b>	<b>201,220</b>	<b>297,619</b>	<b>297,619</b>	<b>273,355</b>	<b>(24,264)</b>	<b>(8.15%)</b>
<b>Adjustments to Reserves/Encumbrances:</b>						
Principal payments on loan	(850,730)	0				
(Increase) / Decrease in Principal Payable	0	(886,877)		(839,012)		
Advances from Other Govt	431	0		(22,328)		
Unrealized Gain/ Loss (GASB 31)	0	0		0		
Rounding	0	0		0		
<b>ENDING FUND BALANCE</b>	<b>\$606,376</b>	<b>\$620,067</b>		<b>\$683,560</b>		

**FY 2022-23 BUDGET  
BEGINNING AND ENDING CASH SUMMARY**

Section Title: State Loan Reserve Fund

Fund/Department No: 44270 33047100

Account Title	Actual 2020-2021	Estimated 2021-2022	Adopted 2021-2022	Requested 2022-23	Difference	Percent Change
<b>BEGINNING FUND BALANCE</b>	<b>\$0</b>	<b>(\$0)</b>		<b>(\$0)</b>		
<b>REVENUES</b>						
<b><u>USE OF MONEY / PROPERTY</u></b>						
44002 Interest on Pooled Cash	0	0	0	0	0	N/A
44003 Other Interest Earnings	0	0	0	0	0	N/A
44050 Unrealized Gains and Losses	(392)	0	0	0	0	N/A
SUBTOTAL	(392)	0	0	0	0	N/A
<b><u>OTHER FINANCING SOURCES</u></b>						
47101 Transfers In - within a Fund	0	0	0	0	0	N/A
SUBTOTAL	0	0	0	0	0	N/A
<b>TOTAL REVENUES</b>	<b>(392)</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>N/A</b>
<b>EXPENDITURES</b>						
<b><u>OTHER FINANCING USES</u></b>						
57011 Transfers Out - within a Fund	0	0	0	0	0	N/A
SUBTOTAL	0	0	0	0	0	N/A
<b>TOTAL EXPENDITURES</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>N/A</b>
<b>Adjustments to Reserves/Encumbrances:</b>						
Increase in Reserve	0	0		0		
Unrealized Gain/ Loss (GASB 31)	392	0				
Rounding	0	0				
<b>ENDING FUND BALANCE</b>	<b>(\$0)</b>	<b>(\$0)</b>		<b>(\$0)</b>		

**FY 2022-23 BUDGET  
BEGINNING AND ENDING CASH SUMMARY**

Section Title:

Storage Facilities Revenue Bond - 2012A

Fund/Department No:

44280

33047300

Account Title	Actual 2020-2021	Estimated 2021-2022	Adopted 2021-2022	Requested 2022-23	Difference	Percent Change
<b>BEGINNING FUND BALANCE</b>	<b>\$158,191</b>	<b>\$110,231</b>		<b>\$106,237</b>		
<b>REVENUES</b>						
<b>USE OF MONEY / PROPERTY</b>						
44002 Interest on Pooled Cash	1,452	96	96	0	(96)	(99.99%)
44003 Other Interest Earnings	120	0	0	0	0	N/A
44050 Unrealized Gains and Losses	(63)	0	0	0	0	N/A
SUBTOTAL	1,509	96	96	0	(96)	(99.99%)
<b>OTHER FINANCING SOURCES</b>						
47101 Transfers In - within a Fund	310,609	309,610	309,610	308,325	(1,285)	(0.41%)
47102 Transfers In - btw Govtl Funds	0	0	0	0	0	N/A
SUBTOTAL	310,609	309,610	309,610	308,325	(1,285)	(0.41%)
<b>TOTAL REVENUES</b>	<b>312,118</b>	<b>309,706</b>	<b>309,706</b>	<b>308,325</b>	<b>(1,381)</b>	<b>(0.45%)</b>
<b>EXPENDITURES</b>						
<b>SERVICES AND SUPPLIES</b>						
51242 Bank Charges	837	1,000	1,000	1,000	0	0.00%
SUBTOTAL	837	1,000	1,000	1,000	0	0.00%
<b>OTHER CHARGES</b>						
53103 Interest on LT Debt	86,697	79,623	79,623	72,300	(7,323)	(9.20%)
53104 Other Interest Expense	(4,781)	5,526	5,526	5,526	0	0.00%
53105 Costs of Issuance	0	0	0	0	0	N/A
SUBTOTAL	81,917	85,149	85,149	77,826	(7,323)	(8.60%)
<b>OTHER FINANCING USES</b>						
57011 Transfers Out - within a Fund	100,000	50,000	50,000	70,000	20,000	40.00%
SUBTOTAL	100,000	50,000	50,000	70,000	20,000	40.00%
<b>ADMIN. CONTROL ACCOUNT</b>						
59004 Administrative Control Account	176,871	183,077	183,077	189,283	6,206	3.39%
59005 Admin Control Acct Clearing	(176,871)	(183,077)	(183,077)	(189,283)	(6,206)	3.39%
SUBTOTAL	0	0	0	0	0	N/A
<b>TOTAL EXPENDITURES</b>	<b>182,754</b>	<b>136,149</b>	<b>136,149</b>	<b>148,826</b>	<b>12,677</b>	<b>9.31%</b>
<b>Adjustments to Reserves/Encumbrances:</b>						
Principal payments on bonds	(176,871)	(183,077)		(189,283)		
Restricted cash with trustee (reserve)	0					
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	5,526		5,526		
Changed in Reserved Fund Balance	4,265					
Unrealized Gain/ Loss (GASB 31)	63					
Rounding	0					
<b>ENDING FUND BALANCE</b>	<b>\$110,231</b>	<b>\$106,237</b>		<b>\$81,979</b>		

**FY 2022-23 BUDGET  
BEGINNING AND ENDING CASH SUMMARY**

Section Title:

Common Facilities Revenue Bonds - 2012 A

Fund/Department No:

44275

33047200

Account Title	Actual 2020-2021	Estimated 2021-2022	Adopted 2021-2022	Requested 2022-23	Difference	Percent Change
<b>BEG. FUND BALANCE</b>	<b>\$324,325</b>	<b>\$398,235</b>		<b>\$464,592</b>		
<b>REVENUES</b>						
<b>USE OF MONEY / PROPERTY</b>						
44002 Interest on Pooled Cash	2,822	2,000	1,440	1,440	0	0.00%
44003 Other Interest Earnings	168	0	0	0	0	N/A
44050 Unrealized Gains and Losses	(119)	0	0	0	0	N/A
SUBTOTAL	2,871	2,000	1,440	1,440	0	0.00%
<b>OTHER FINANCING SOURCES</b>						
47101 Transfers In - within a Fund	435,105	433,705	433,705	431,907	(1,799)	(0.41%)
47102 Transfers In - btw Govtl Funds	0	0	0	0	0	N/A
SUBTOTAL	435,105	433,705	433,705	431,907	(1,799)	(0.41%)
<b>TOTAL REVENUES</b>	<b>437,976</b>	<b>435,705</b>	<b>435,145</b>	<b>433,347</b>	<b>(1,799)</b>	<b>(0.41%)</b>
<b>EXPENDITURES</b>						
<b>SERVICES AND SUPPLIES</b>						
51242 Bank Charges	1,093	1,500	1,500	1,500	0	0.00%
SUBTOTAL	1,093	1,500	1,500	1,500	0	0.00%
<b>OTHER CHARGES</b>						
53103 Interest on LT Debt	121,399	111,493	111,493	101,239	(10,254)	(9.20%)
53104 Other Interest Expense	(6,645)	7,787	7,787	7,787	0	0.00%
53105 Costs of Issuance	0	0	0	0	0	N/A
SUBTOTAL	114,754	119,280	119,280	109,026	(10,254)	(8.60%)
<b>OTHER FINANCING USES</b>						
57011 Transfers Out - within a Fund	0	0	0	0	0	N/A
SUBTOTAL	0	0	0	0	0	N/A
<b>ADMIN. CONTROL ACCOUNT</b>						
59004 Administrative Control Account	247,665	256,355	256,355	265,045	8,690	3.39%
59005 Admin Control Acct Clearing	(247,665)	(256,355)	(256,355)	(265,045)	(8,690)	3.39%
SUBTOTAL	0	0	0	0	0	N/A
<b>TOTAL EXPENDITURES</b>	<b>115,847</b>	<b>120,780</b>	<b>120,780</b>	<b>110,526</b>	<b>(10,254)</b>	<b>(8.49%)</b>
<b>Adjustments to Reserves/Encumbrances:</b>						
Principal payments on bonds	(247,665)	(256,355)		(265,045)		
(Increase) / Decrease in Bonds Payable	0	0		0		
Restricted cash with trustee (reserve)	5,972	0		0		
Amortization of bond discount	0	0		0		
Amortization of bond premium	(14,432)	0		(14,432)		
Amortization of deferred amount of refunding	7,787	7,787		7,787		
Unrealized Gain/ Loss (GASB 31)	119	0		0		
Rounding	0	0		0		
<b>ENDING FUND BALANCE</b>	<b>\$398,235</b>	<b>\$464,592</b>		<b>\$515,723</b>		

**FY 2022-23 BUDGET  
BEGINNING AND ENDING CASH SUMMARY**

Section Title: Sonoma Aqueduct Revenue Bonds 2012

Fund/Department No: 44285 33047400

Account Title	Actual 2020-2021	Estimated 2021-2022	Adopted 2021-2022	Requested 2022-23	Difference	Percent Change
<b>BEGINNING FUND BALANCE</b>	<b>\$191,180</b>	<b>\$134,670</b>		<b>\$78,460</b>		
<b>REVENUES</b>						
<b>USE OF MONEY / PROPERTY</b>						
44002 Interest on Pooled Cash	1,672	960	960	960	0	0.00%
44003 Other Interest Earnings	98	0	0	0	0	N/A
44050 Unrealized Gains and Losses	(70)	0	0	0	0	N/A
SUBTOTAL	1,701	960	960	960	0	0.00%
<b>OTHER FINANCING SOURCES</b>						
47101 Transfers In - within a Fund	255,705	254,884	254,884	253,827	(1,057)	(0.41%)
47102 Transfers In - btw Govtl Funds	0	0	0	0	0	N/A
SUBTOTAL	255,705	254,884	254,884	253,827	(1,057)	(0.41%)
<b>TOTAL REVENUES</b>	<b>257,406</b>	<b>255,844</b>	<b>255,844</b>	<b>254,787</b>	<b>(1,057)</b>	<b>(0.41%)</b>
<b>EXPENDITURES</b>						
<b>SERVICES AND SUPPLIES</b>						
51242 Bank Charges	726	1,000	1,000	1,000	0	0.00%
SUBTOTAL	726	1,000	1,000	1,000	0	0.00%
<b>OTHER CHARGES</b>						
53103 Interest on LT Debt	71,303	65,485	65,485	59,462	(6,023)	(9.20%)
53104 Other Interest Expense	(3,892)	4,585	4,585	4,585	0	0.00%
53105 Costs of Issuance	0	0	0	0	0	N/A
53109 Capitalized Interest	0	0	0	0	0	N/A
SUBTOTAL	67,410	70,070	70,070	64,047	(6,023)	(8.60%)
<b>OTHER FINANCING USES</b>						
57011 Transfers Out - within a Fund	100,000	95,000	0	0	0	N/A
SUBTOTAL	100,000	95,000	0	0	0	N/A
<b>ADMIN. CONTROL ACCOUNT</b>						
59004 Administrative Control Account	145,464	150,568	150,568	155,672	5,104	3.39%
59005 Admin Control Acct Clearing	(145,464)	(150,568)	(150,568)	(155,672)	(5,104)	3.39%
SUBTOTAL	0	0	0	0	0	N/A
<b>TOTAL EXPENDITURES</b>	<b>168,136</b>	<b>166,070</b>	<b>71,070</b>	<b>65,047</b>	<b>(6,023)</b>	<b>(8.47%)</b>
<b>Adjustments to Reserves/Encumbrances:</b>						
(Increase)/Decrease in Bonds Payable						
Principal Payments on Bonds	(145,464)	(150,568)		(155,672)		
Amortization of bond discount	(8,477)	0		0		
Change in Reserved Fund Balance	3,507	0		0		
Capitalized Interest	0	0		0		
Amortization of deferred amount of refunc	4,584	4,584		4,584		
Unrealized Gain/ Loss (GASB 31)	70	0		0		
Rounding	1	0		0		
<b>ENDING FUND BALANCE</b>	<b>\$134,670</b>	<b>\$78,460</b>		<b>\$117,112</b>		

**FY 2022-23 BUDGET  
BEGINNING AND ENDING CASH SUMMARY**

Section Title:

Storage Facilities Revenue Bonds 2015

Fund/Department No:

44290

33047500

Account Title	Actual 2020-2021	Estimated 2021-2022	Adopted 2021-2022	Requested 2022-23	Difference	Percent Change
<b>BEGINNING FUND BALANCE</b>	<b>\$328,549</b>	<b>\$212,358</b>		<b>\$209,984</b>		
<b>REVENUES</b>						
<b>USE OF MONEY / PROPERTY</b>						
44002 Interest on Pooled Cash	2,857	432	432	432	0	0.00%
44003 Other Interest Earnings	1,070	0	0	0	0	N/A
44050 Unrealized Gains and Losses	(123)	0	0	0	0	N/A
SUBTOTAL	3,805	432	432	432	0	0.00%
<b>Miscellaneous Revenues</b>						
46200 PY Revenue - Miscellaneous	0	0	0	0	0	N/A
SUBTOTAL	0	0	0	0	0	N/A
<b>OTHER FINANCING SOURCES</b>						
47101 Transfers In - within a Fund	486,527	476,381	476,381	480,268	3,887	0.82%
47102 Transfers In - btw Govtl Funds	0	0	0	0	0	N/A
SUBTOTAL	486,527	476,381	476,381	480,268	3,887	0.82%
<b>TOTAL REVENUES</b>	<b>490,332</b>	<b>476,813</b>	<b>476,813</b>	<b>480,700</b>	<b>3,887</b>	<b>0.82%</b>
<b>EXPENDITURES</b>						
<b>SERVICES AND SUPPLIES</b>						
51242 Bank Charges	1,116	1,500	1,500	1,500	0	0.00%
SUBTOTAL	1,116	1,500	1,500	1,500	0	0.00%
<b>OTHER CHARGES</b>						
53103 Interest on LT Debt	180,766	169,141	169,141	157,214	(11,927)	(7.05%)
53104 Other Interest Expense	(11,468)	5,058	5,058	5,058	0	0.00%
53105 Costs of Issuance	0	0	0	0	0	N/A
53109 Capitalized Interest	0	0	0	0	0	N/A
SUBTOTAL	169,298	174,199	174,199	162,272	(11,927)	(6.85%)
<b>OTHER FINANCING USES</b>						
57011 Transfers Out - within a Fund	200,000	70,000	70,000	150,000	80,000	114.29%
57012 Transfers Out - btw Govtl Fund	0	0	0	0	0	N/A
SUBTOTAL	200,000	70,000	70,000	150,000	80,000	114.29%
<b>ADMIN. CONTROL ACCOUNT</b>						
59004 Administrative Control Account	228,941	238,545	238,545	253,852	15,307	6.42%
59005 Admin Control Acct Clearing	(228,941)	(238,545)	(238,545)	(253,852)	(15,307)	6.42%
SUBTOTAL	0	0	0	0	0	N/A
<b>TOTAL EXPENDITURES</b>	<b>370,413</b>	<b>245,699</b>	<b>245,699</b>	<b>313,772</b>	<b>68,073</b>	<b>27.71%</b>
<b>Adjustments to Reserves/Encumbrances:</b>						
Change in Principal due to Bond Reallocation	0					
Change in Bond Premium due to Bond Reallo	0					
Capitalized Interest	0					
Loss on Refunding of Debt	5,058	5,058		5,058		
Principal Payment	(228,941)	(238,545)		(253,852)		
Special Fund Stmt's!B449	0	0		0		
Amortization of Bond Premium	(16,526)	0		0		
Change in Reserved Fund Balance	4,178					
Unrealized Gain/ Loss (GASB 31)	123					
Rounding	(1)	(0)				
<b>ENDING FUND BALANCE</b>	<b>\$212,358</b>	<b>\$209,984</b>		<b>\$128,118</b>		

**FY 2022-23 BUDGET  
BEGINNING AND ENDING CASH SUMMARY**

Section Title:

Common Facilities Revenue Bonds 2015

Fund/Department No:

44295

33047600

Account Title	Actual 2020-2021	Estimated 2021-2022	Adopted 2021-2022	Requested 2022-23	Difference	Percent Change
<b>BEG. FUND BALANCE</b>	<b>\$295,059</b>	<b>\$482,808</b>		<b>\$469,441</b>		
<b>REVENUES</b>						
<b>USE OF MONEY / PROPERTY</b>						
44002 Interest on Pooled Cash	2,890	2,400	2,400	2,400	0	0.00%
44003 Other Interest Earnings	1,031	0	0	0	0	N/A
44050 Unrealized Gains and Losses	(144)	0	0	0	0	N/A
SUBTOTAL	3,777	2,400	2,400	2,400	0	0.00%
<b>MISCELLANEOUS REVENUES</b>						
46200 PY Revenue - Miscellaneous	0	0	0	0	0	N/A
SUBTOTAL	0	0	0	0	0	N/A
<b>OTHER FINANCING SOURCES</b>						
47101 Transfers In - within a Fund	1,237,202	1,224,505	1,224,505	1,230,285	5,780	0.47%
47102 Transfers In - btw Govtl Funds	0	0	0	0	0	N/A
SUBTOTAL	1,237,202	1,224,505	1,224,505	1,230,285	5,780	0.47%
<b>TOTAL REVENUES</b>	<b>1,240,979</b>	<b>1,226,905</b>	<b>1,226,905</b>	<b>1,232,685</b>	<b>5,780</b>	<b>0.47%</b>
<b>EXPENDITURES</b>						
<b>SERVICES AND SUPPLIES</b>						
51242 Bank Charges	2,015	2,500	2,500	2,500	0	0.00%
SUBTOTAL	2,015	2,500	2,500	2,500	0	0.00%
<b>OTHER CHARGES</b>						
53103 Interest on LT Debt	510,827	483,190	483,190	454,461	(28,729)	(5.95%)
53104 Other Interest Expense	(25,008)	4,516	4,516	4,516	0	0.00%
53105 Costs of Issuance	0	0	0	0	0	N/A
53109 Capitalized Interest	0	0	0	0	0	N/A
SUBTOTAL	485,819	487,706	487,706	458,977	(28,729)	(5.89%)
<b>OTHER FINANCING USES</b>						
57011 Transfers Out - within a Fund	0	180,000	180,000	180,000	0	0.00%
57012 Transfers Out - btw Govtl Fund	0	0	0	0	0	N/A
SUBTOTAL	0	180,000	180,000	180,000	0	0.00%
<b>ADMIN. CONTROL ACCOUNT</b>						
59004 Administrative Control Account	549,934	574,581	574,581	608,336	33,755	5.87%
59005 Admin Control Acct Clearing	(549,934)	(574,581)	(574,581)	(608,336)	(33,755)	5.87%
SUBTOTAL	0	0	0	0	0	N/A
<b>TOTAL EXPENDITURES</b>	<b>487,834</b>	<b>670,206</b>	<b>670,206</b>	<b>641,477</b>	<b>(28,729)</b>	<b>(4.29%)</b>
<b>Adjustments to Reserves/Encumbrances:</b>						
Principal Payment	(549,934)	(574,581)		(608,336)		
Change in Principal due to Bond Realloc	0	0		0		
Change in Bond Premium due to Bond R	0	0		0		
Revenue Bonds Pay - Change in Current	0	0		0		
Amortization of Bond Premium	(29,523)	0		0		
Capitalized Interest	0			0		
Change in Reserved Fund Balance	9,403			0		
Loss on Refunding Debt	4,515	4,515		4,515		
Unrealized Gain/ Loss (GASB 31)	144	0		0		
Rounding	(1)	0		0		
<b>ENDING FUND BALANCE</b>	<b>\$482,808</b>	<b>\$469,441</b>		<b>\$456,828</b>		

**FY 2022-23 BUDGET  
BEGINNING AND ENDING CASH SUMMARY**

Section Title:

Sonoma Aqueduct Revenue Bonds 2015

Fund/Department No:

44305

33047700

Account Title	Actual 2020-2021	Estimated 2021-2022	Adopted 2021-2022	Requested 2022-23	Difference	Percent Change
<b>BEGINNING FUND BALANCE</b>	<b>\$90,469</b>	<b>\$96,882</b>		<b>\$102,197</b>		
<b>REVENUES</b>						
<b><u>USE OF MONEY / PROPERTY</u></b>						
44002 Interest on Pooled Cash	719	384	384	384	0	0.00%
44003 Other Interest Earnings	6	0	0	0	0	N/A
44050 Unrealized Gains and Losses	(29)	0	0	0	0	N/A
SUBTOTAL	696	384	384	384	0	0.00%
<b><u>MISCELLANEOUS REVENUES</u></b>						
46200 PY Revenue - Miscellaneous	0	0	0	0	0	N/A
SUBTOTAL	0	0	0	0	0	N/A
<b><u>OTHER FINANCING SOURCES</u></b>						
47101 Transfers In - within a Fund	38,073	37,809	37,809	37,917	108	0.29%
47102 Transfers In - btw Govtl Funds	0	0	0	0	0	N/A
SUBTOTAL	38,073	37,809	37,809	37,917	108	0.29%
<b>TOTAL REVENUES</b>	<b>38,769</b>	<b>38,193</b>	<b>38,193</b>	<b>38,301</b>	<b>108</b>	<b>0.28%</b>
<b>EXPENDITURES</b>						
<b><u>SERVICES AND SUPPLIES</u></b>						
51242 Bank Charges	267	500	500	500	0	0.00%
SUBTOTAL	267	500	500	500	0	0.00%
<b><u>OTHER CHARGES</u></b>						
53103 Interest on LT Debt	16,307	15,502	15,502	14,658	(844)	(5.44%)
53104 Other Interest Expense	(689)	0	0	0	0	N/A
53105 Costs of Issuance	0	0	0	0	0	N/A
SUBTOTAL	15,618	15,502	15,502	14,658	(844)	(5.44%)
<b><u>OTHER FINANCING USES</u></b>						
57011 Transfers Out - within a Fund	0	0	0	65,000	65,000	N/A
SUBTOTAL	0	0	0	65,000	65,000	N/A
<b><u>ADMIN. CONTROL ACCOUNT</u></b>						
59004 Administrative Control Account	16,125	16,875	16,875	17,813	938	5.56%
59005 Admin Control Acct Clearing	(16,125)	(16,875)	(16,875)	(17,813)	(938)	5.56%
SUBTOTAL	0	0	0	0	0	N/A
<b>TOTAL EXPENDITURES</b>	<b>15,885</b>	<b>16,002</b>	<b>16,002</b>	<b>80,158</b>	<b>64,156</b>	<b>400.92%</b>
<b>Adjustments to Reserves/Encumbrances:</b>						
Change in Principal due to Bond Reallocation	0	0		0		
Change in Bond Premium due to Bond Reallc	0	0		0		
Accrual of Principal Payment - Revenue Bonc	(16,125)	(16,875)		(17,813)		
Principal Payment	0	0		0		
Amortization of Bond Premium	(689)	0		0		
Unrealized Gain/ Loss (GASB 31)	29	0		0		
Change in Reserved Fund Balance	313					
Rounding	0	0		0		
<b>ENDING FUND BALANCE</b>	<b>\$96,882</b>	<b>\$102,197</b>		<b>\$42,527</b>		

**FY 2022-23 BUDGET  
BEGINNING AND ENDING CASH SUMMARY**

Section Title: Common Facilities Revenue Bonds 2019  
Fund/Department No: 44310 33047800

Account Title	Actual 2020-2021	Estimated 2021-2022	Adopted 2021-2022	Requested 2022-23	Difference	Percent Change
<b>BEG. FUND BALANCE</b>	<b>\$7,561</b>	<b>\$102,593</b>		<b>\$191,060</b>		
<b>REVENUES</b>						
<b>USE OF MONEY / PROPERTY</b>						
44002 Interest on Pooled Cash	1,244	480	480	480	0	0.00%
44003 Other Interest Earnings	880	0	0	0	0	N/A
44050 Unrealized Gains and Losses	(31)	0	0	0	0	N/A
SUBTOTAL	2,093	480	480	480	0	0.00%
<b>OTHER FINANCING SOURCES</b>						
47101 Transfers In - within a Fund	677,117	674,569	674,569	676,780	2,210	0.33%
47102 Transfers In - btw Govtl Funds	0	0	0	0	0	N/A
SUBTOTAL	677,117	674,569	674,569	676,780	2,210	0.33%
<b>TOTAL REVENUES</b>	<b>679,210</b>	<b>675,049</b>	<b>675,049</b>	<b>677,260</b>	<b>2,210</b>	<b>0.33%</b>
<b>EXPENDITURES</b>						
<b>SERVICES AND SUPPLIES</b>						
51242 Bank Charges	2,691	2,000	2,000	3,000	1,000	50.00%
SUBTOTAL	2,691	2,000	2,000	3,000	1,000	50.00%
<b>OTHER CHARGES</b>						
53103 Interest on LT Debt	321,228	307,774	307,774	293,933	(13,841)	(4.50%)
53104 Other Interest Expense	(54,724)	0	0	0	0	N/A
53105 Costs of Issuance	0	0	0	0	0	N/A
SUBTOTAL	266,504	307,774	307,774	293,933	(13,841)	(4.50%)
<b>OTHER FINANCING USES</b>						
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
<b>ADMIN. CONTROL ACCOUNT</b>						
59004 Administrative Control Account	265,736	276,808	276,808	291,571	14,763	5.33%
59005 Admin Control Acct Clearing	(265,736)	(276,808)	(276,808)	(291,571)	(14,763)	5.33%
SUBTOTAL	0	0	0	0	0	N/A
<b>TOTAL EXPENDITURES</b>	<b>269,195</b>	<b>309,774</b>	<b>309,774</b>	<b>296,933</b>	<b>(12,841)</b>	<b>(4.15%)</b>
<b>Adjustments to Reserves/Encumbrances:</b>						
Unrealized Gains and Losses	0	0		0		
Proceeds Bond Issuance	0	0		0		
Deposit to Cost of Issuance Fund	0	0		0		
Restricted Cash w/Fiscal Agent	0	0		0		
Principal Payment	(265,736)	(276,808)		(291,571)		
Revenue Bonds Pay-Change in Current Bal	0	0		0		
Amortization of Bond Premium	(54,724)	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)	31	0		0		
Changed in Reserved Fund Balance	5,446	0		0		
Rounding	(1)	0		0		
<b>ENDING FUND BALANCE</b>	<b>\$102,593</b>	<b>\$191,060</b>		<b>\$279,816</b>		

**FY 2022-23 BUDGET  
BEGINNING AND ENDING CASH SUMMARY**

Section Title:

Sonoma Aqueduct Revenue Bonds 2019

Fund/Department No:

44315

33047900

Account Title	Actual 2020-2021	Estimated 2021-2022	Adopted 2021-2022	Requested 2022-23	Difference	Percent Change
<b>BEGINNING FUND BALANCE</b>	<b>\$395,101</b>	<b>\$291,998</b>		<b>\$123,734</b>		
<b>REVENUES</b>						
<b>USE OF MONEY / PROPERTY</b>						
44002 Interest on Pooled Cash	3,501	480	480	480	0	0.00%
44003 Other Interest Earnings	312	0	0	0	0	N/A
44050 Unrealized Gains and Losses	(147)	0	0	0	0	N/A
SUBTOTAL	3,666	480	480	480	0	0.00%
<b>OTHER FINANCING SOURCES</b>						
47101 Transfers In - within a Fund	300,528	239,626	239,626	240,577	951	0.40%
47102 Transfers In - btw Govtl Funds	0	0	0	0	0	N/A
SUBTOTAL	300,528	239,626	239,626	240,577	951	0.40%
<b>TOTAL REVENUES</b>	<b>304,194</b>	<b>240,106</b>	<b>240,106</b>	<b>241,057</b>	<b>951</b>	<b>0.40%</b>
<b>EXPENDITURES</b>						
<b>SERVICES AND SUPPLIES</b>						
51242 Bank Charges	1,162	1,000	1,000	1,500	500	50.00%
SUBTOTAL	1,162	1,000	1,000	1,500	500	50.00%
<b>OTHER CHARGES</b>						
53103 Interest on LT Debt	113,949	109,177	109,177	104,267	(4,910)	(4.50%)
53104 Other Interest Expense	(19,412)	0	0	0	0	N/A
53105 Costs of Issuance	0	0	0	0	0	N/A
SUBTOTAL	94,537	109,177	109,177	104,267	(4,910)	(4.50%)
<b>OTHER FINANCING USES</b>						
57011 Transfers Out - within a Fund	200,000	200,000	200,000	90,000	(110,000)	(55.00%)
SUBTOTAL	200,000	200,000	200,000	90,000	(110,000)	(55.00%)
<b>ADMIN. CONTROL ACCOUNT</b>						
59004 Administrative Control Account	94,264	98,193	98,193	103,430	5,237	5.33%
59005 Admin Control Acct Clearing	(94,264)	(98,193)	(98,193)	(103,430)	(5,237)	5.33%
SUBTOTAL	0	0	0	0	0	N/A
<b>TOTAL EXPENDITURES</b>	<b>295,699</b>	<b>310,177</b>	<b>310,177</b>	<b>195,767</b>	<b>(114,410)</b>	<b>(36.89%)</b>
<b>Adjustments to Reserves/Encumbrances:</b>						
Unrealized Gains and Losses	0	0		0		
Proceeds Bond Issuance	0	0		0		
Restricted Cash w/Fiscal Agent	0	0		0		
Accrual of Principal Payment - Revenue Bo	(94,264)	(98,193)		0		
Principal Payment	0	0		0		
Deposit to Cost of Issuance Fund	0	0		0		
Bond Premium - Issuance of Revenue Bond	0	0		0		
Amortization of Bond Premium	(19,412)	0		0		
Unrealized Gain/ Loss (GASB 31)	147	0		0		
Change in Reserved Fund Balance	1,932	0		0		
Rounding	(1)	0		0		
<b>ENDING FUND BALANCE</b>	<b>\$291,998</b>	<b>\$123,734</b>		<b>\$169,023</b>		

**FY 2022-23 BUDGET  
BEGINNING AND ENDING CASH SUMMARY**

Section Title: Storage Facilities Revenue Bonds 2022  
Fund/Department No: 44325 TBD

Account Title	Actual 2020-2021	Estimated 2021-2022	Adopted 2021-2022	Requested 2022-23	Difference	Percent Change
<b>BEG. FUND BALANCE</b>	<b>\$0</b>	<b>\$0</b>		<b>\$979,500</b>		
<b>REVENUES</b>						
<b>USE OF MONEY / PROPERTY</b>						
44002 Interest on Pooled Cash	0	0	0	0	0	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	0	0	N/A
<b>OTHER FINANCING SOURCES</b>						
47101 Transfers In - within a Fund	0	0	0	77,457	77,457	N/A
47102 Transfers In - btw Govtl Funds	0	0	0	0	0	N/A
SUBTOTAL	0	0	0	77,457	77,457	N/A
<b>TOTAL REVENUES</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>77,457</b>	<b>77,457</b>	<b>N/A</b>
<b>EXPENDITURES</b>						
<b>SERVICES AND SUPPLIES</b>						
51242 Bank Charges	0	500	0	500	500	N/A
SUBTOTAL	0	500	0	500	500	N/A
<b>OTHER CHARGES</b>						
53103 Interest on LT Debt	0	0	0	29,724	29,724	N/A
53104 Other Interest Expense	0	0	0	0	0	N/A
53105 Costs of Issuance	0	20,000	0	0	0	N/A
SUBTOTAL	0	20,000	0	29,724	29,724	N/A
<b>OTHER FINANCING USES</b>						
57011 Transfers Out - within a Fund	0	0	0	900,000	900,000	N/A
57012 Transfers Out - btw Govtl Fund	0	0	0	0	0	N/A
SUBTOTAL	0	0	0	900,000	900,000	N/A
<b>ADMIN. CONTROL ACCOUNT</b>						
59004 Administrative Control Account	0	0	0	37,131	37,131	N/A
59005 Admin Control Acct Clearing	0	0	0	(37,131)	(37,131)	N/A
SUBTOTAL	0	0	0	0	0	N/A
<b>TOTAL EXPENDITURES</b>	<b>0</b>	<b>20,500</b>	<b>0</b>	<b>930,224</b>	<b>930,224</b>	<b>N/A</b>
<b>Adjustments to Reserves/Encumbrances:</b>						
CBA's - Included in Est. Current Yr Expenses	0	0		0		
Proceeds from Bond Issuance	0	1,000,001		0		
Change in Principal due to Bond Reallocation	0	0		0		
Change in Bond Premium due to Bond Reallocation	0	0		0		
Capitalized Interest	0	0		0		
Proceeds from Taxable Bond Issuance	0	0		0		
Loss on Refunding of Debt	0	0		0		
Restricted Cash w/Fiscal Agent	0	0		0		
Accrual of Principal Payment - Revenue Bonds	0	0		(37,131)		
Revenue Bonds Pay - Change in Current Balance	0	0		0		
Amortization of Bond Premium	0	0		0		
Post Audit Adjustment - Closing COI funds	0	0		0		
Change in Reserved Fund Balance	0	0		0		
Unrealized Gain/ Loss (GASB 31)	0	0		0		
Rounding	0	0		0		
<b>ENDING FUND BALANCE</b>	<b>\$0</b>	<b>\$979,500</b>		<b>\$89,604</b>		

**FY 2022-23 BUDGET  
BEGINNING AND ENDING CASH SUMMARY**

Section Title: Common Facilities Revenue Bonds 2022  
Fund/Department No: 44320 TBD

Account Title	Actual 2020-2021	Estimated 2021-2022	Adopted 2021-2022	Requested 2022-23	Difference	Percent Change
<b>BEG. FUND BALANCE</b>	<b>\$0</b>	<b>\$0</b>		<b>\$13,716,000</b>		
<b>REVENUES</b>						
<b>USE OF MONEY / PROPERTY</b>						
44002 Interest on Pooled Cash	0	0	0	0	0	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	0	0	N/A
<b>OTHER FINANCING SOURCES</b>						
47101 Transfers In - within a Fund	0	0	0	1,080,953	1,080,953	N/A
47102 Transfers In - btw Govtl Funds	0	0	0	0	0	N/A
SUBTOTAL	0	0	0	1,080,953	1,080,953	N/A
<b>TOTAL REVENUES</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,080,953</b>	<b>1,080,953</b>	<b>N/A</b>
<b>EXPENDITURES</b>						
<b>SERVICES AND SUPPLIES</b>						
51242 Bank Charges	0	4,000	0	4,000	4,000	N/A
SUBTOTAL	0	4,000	0	4,000	4,000	N/A
<b>OTHER CHARGES</b>						
53103 Interest on LT Debt	0	0	0	416,130	416,130	N/A
53104 Other Interest Expense	0	0	0	0	0	N/A
53105 Costs of Issuance	0	280,000	0	0	0	N/A
SUBTOTAL	0	280,000	0	416,130	416,130	N/A
<b>OTHER FINANCING USES</b>						
57011 Transfers Out - within a Fund	0	0	0	5,800,000	5,800,000	N/A
57012 Transfers Out - btw Govtl Fund	0	0	0	0	0	N/A
SUBTOTAL	0	0	0	5,800,000	5,800,000	N/A
<b>ADMIN. CONTROL ACCOUNT</b>						
59004 Administrative Control Account	0	0	0	519,829	519,829	N/A
59005 Admin Control Acct Clearing	0	0	0	(519,829)	(519,829)	N/A
SUBTOTAL	0	0	0	0	0	N/A
<b>TOTAL EXPENDITURES</b>	<b>0</b>	<b>284,000</b>	<b>0</b>	<b>6,220,130</b>	<b>6,220,130</b>	<b>N/A</b>
<b>Adjustments to Reserves/Encumbrances:</b>						
CBA's - Included in Est. Current Yr Expense:	0	0		0		
Proceeds Bond Issuance	0	14,000,000		0		
Deposit to Cost of Issuance Fund	0	0		0		
Restricted Cash w/Fiscal Agent	0	0		0		
Principal Payment	0	0		(519,829)		
Revenue Bonds Pay - Change in Current Ba	0	0		0		
Amortization of Bond Premium	0	0		0		
Change in Reserved Fund Balance	0	0		0		
Bond Premium - Issuance of Revenue Bond:	0	0		0		
Loss on Refunding of Debt	0	0		0		
Unrealized Gain/ Loss (GASB 31)	0	0		0		
Changed in Reserved Fund Balance	0	0		0		
Rounding	0	0		0		
<b>ENDING FUND BALANCE</b>	<b>\$0</b>	<b>\$13,716,000</b>		<b>\$8,056,993</b>		

**FY 2022-23 BUDGET  
BEGINNING AND ENDING CASH SUMMARY**

Section Title:

Sonoma Aqueduct Revenue Bonds 2022

Fund/Department No:

44330

TBD

Account Title	Actual 2020-2021	Estimated 2021-2022	Adopted 2021-2022	Requested 2022-23	Difference	Percent Change
<b>BEGINNING FUND BALANCE</b>	<b>\$0</b>	<b>\$0</b>		<b>\$0</b>		
<b>REVENUES</b>						
<b>USE OF MONEY / PROPERTY</b>						
44002 Interest on Pooled Cash	0	0	0	0	0	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	0	0	N/A
<b>OTHER FINANCING SOURCES</b>						
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	0	0	0	0	0	N/A
<b>TOTAL REVENUES</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>N/A</b>
<b>EXPENDITURES</b>						
<b>SERVICES AND SUPPLIES</b>						
51242 Bank Charges	0	0	0	0	0	N/A
SUBTOTAL	0	0	0	0	0	N/A
<b>OTHER CHARGES</b>						
53103 Interest on LT Debt	0	0	0	0	0	N/A
53104 Other Interest Expense	0	0	0	0	0	N/A
53105 Costs of Issuance	0	0	0	0	0	N/A
SUBTOTAL	0	0	0	0	0	N/A
<b>OTHER FINANCING USES</b>						
57011 Transfers Out - within a Fund	0	0	0	0	0	N/A
SUBTOTAL	0	0	0	0	0	N/A
<b>ADMIN. CONTROL ACCOUNT</b>						
59004 Administrative Control Account	0	0	0	0	0	N/A
59005 Admin Control Acct Clearing	0	0	0	0	0	N/A
SUBTOTAL	0	0	0	0	0	N/A
<b>TOTAL EXPENDITURES</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>N/A</b>
<b>Adjustments to Reserves/Encumbrances:</b>						
CBA's - Included in Est. Current Yr Expense	0	0		0		
Proceeds Bond Issuance	0	0		0		
Restricted Cash w/Fiscal Agent	0	0		0		
Accrual of Principal Payment - Revenue Bond	0	0		0		
Principal Payment	0	0		0		
Deposit to Cost of Issuance Fund	0	0		0		
Bond Premium - Issuance of Revenue Bonds	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		
<b>ENDING FUND BALANCE</b>	<b>\$0</b>	<b>\$0</b>		<b>\$0</b>		

REVENUE BOND / STATE LOAN CHARGES - WATER RATES AND ESTIMATED REVENUES FOR FY22-23

**A. ANNUAL DEBT SERVICE REQUIREMENTS**

	Common Facilities	O&M Fund	Water Conservation	Storage Facilities	Sonoma Pipeline Facilities
<b>2012 A Revenue Bond</b>	<b>44275</b>	<b>TBD</b>	<b>TBD</b>	<b>44280</b>	<b>44285</b>
PRINCIPAL	265,045			189,283	155,672
INTEREST	101,239			72,300	59,462
OTHER INTEREST - DEFERRED REFUNDING CHARGE	7,787			5,526	4,585
FISCAL AGENT FEES	1,500			1,000	1,000
DEBT ISSUANCE COSTS					
Total Individual Bond Payments	375,571	0		268,109	220,719
Bond Reserve	56,336	0		40,216	33,108
<b>Total Individual Bond Debt Service</b>	<b>431,907</b>	<b>0</b>		<b>308,325</b>	<b>253,827</b>
<b>2015A Revenue Bond</b>	<b>44295</b>			<b>44290</b>	<b>44305</b>
PRINCIPAL	608,336			253,852	17,813
INTEREST	454,461			157,214	14,658
OTHER INTEREST - DEFERRED REFUNDING CHARGE	4,516			5,058	0
FISCAL AGENT FEES	2,500			1,500	500
DEBT ISSUANCE COSTS					
Total Individual Bond Payments	1,069,813			417,624	32,971
Bond Reserve	160,472			62,644	4,946
<b>Total Individual Bond Debt Service</b>	<b>1,230,285</b>			<b>480,268</b>	<b>37,917</b>
<b>2019A Revenue Bond</b>	<b>44310</b>				<b>44315</b>
PRINCIPAL	291,571				103,430
INTEREST	293,933				104,267
FISCAL AGENT FEES	3,000				1,500
DEBT ISSUANCE COSTS					
Total Individual Bond Payments	588,504			0	209,197
Bond Reserve	88,276			0	31,380
<b>Total Individual Bond Debt Service</b>	<b>676,780</b>			<b>0</b>	<b>240,577</b>
<b>2022A Revenue Bond</b>	<b>44320</b>			<b>44325</b>	<b>44330</b>
PRINCIPAL	519,829			37,131	0
INTEREST	416,130			29,724	0
FISCAL AGENT FEES	4,000			500	0
DEBT ISSUANCE COSTS					0
Total Individual Bond Payments	939,959			67,354	0
Bond Reserve	140,994			10,103	0
<b>Total Individual Bond Debt Service</b>	<b>1,080,953</b>			<b>77,457</b>	<b>0</b>
<b>2013 Capital Fund Loan Requirement</b>					
PRINCIPAL	0				
INTEREST	0				
FISCAL AGENT FEES	0				
DEBT ISSUANCE COSTS	0				
DISCOUNT/BONDS	0				
Total Individual Loan Payments	0				
Loan Reserve	0				
<b>Total Individual Loan Debt Service</b>	<b>0</b>				
<b>2013 Santa Rosa AQ Capital Fund Loan</b>					
PRINCIPAL					
INTEREST					
FISCAL AGENT FEES					
DEBT ISSUANCE COSTS					
DISCOUNT/BONDS					
Total Individual Loan Payments					
Loan Reserve					
<b>Total Individual Loan Debt Service</b>	<b>0</b>			<b>0</b>	<b>0</b>
<b>2013 Petaluma AQ Capital Fund Loan</b>					
PRINCIPAL					
INTEREST					
FISCAL AGENT FEES					
DEBT ISSUANCE COSTS					
DISCOUNT/BONDS					
Total Individual Loan Payments					
Loan Reserve					
<b>Total Individual Loan Debt Service</b>	<b>0</b>			<b>0</b>	

REVENUE BOND / STATE LOAN CHARGES - WATER RATES AND ESTIMATED REVENUES FOR FY22-23

**A. ANNUAL DEBT SERVICE REQUIREMENTS**

	Common Facilities	O&M Fund	Water Conservation	Storage Facilities	Sonoma Pipeline Facilities
1. 09/10 Financing Exp for Common Fac incl above until index established	<b>Mirabel Generators</b>				
PRINCIPAL	0				
INTEREST	0				
FISCAL AGENT FEES	0				
DEBT ISSUANCE COSTS	0				
Total Individual Bond Payments	0	0	0	0	0
Reserve	0	0	0	0	0
<b>Total Individual Financing Debt Service</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>SRF LOAN</b>	<b>44265</b>				
PRINCIPAL	886,878			N.A	N.A
INTEREST	153,355			N.A	N.A
Total Individual Loan Payments	1,040,233				
Reserve Requirement	156,035				
<b>Total SRF Debt Service</b>	<b>1,196,268</b>				
<b>SRF LOAN RESERVE</b>					
RESERVE				N.A	N.A
<b>Total SRF Debt Service</b>	<b>1,196,268</b>				
<b>TOTAL DEBT SERVICE</b>	<b>\$4,616,192</b>	<b>\$0</b>	<b>\$0</b>	<b>\$866,050</b>	<b>\$532,320</b>
LESS REV. FROM N. MARIN REV. BOND CHARGES	488,069				
<b>REMAINING REVENUE REQUIREMENT</b>	<b>\$4,128,123</b>	<b>\$0</b>	<b>\$0</b>	<b>\$866,050</b>	<b>\$532,320</b>

**B. CALCULATIONS OF WATER RATES FOR FY22-23**

	Common Facilities Debt Service Charge	O&M Fund Debt Service Charge	Water Conservation Debt Service Charge	Storage Facilities Revenue Bonds Charge	Sonoma Pipeline Facilities Revenue Bonds Charge
REVENUE REQUIREMENT	\$4,128,123.02	\$0	\$0	\$866,050	\$532,320
APPLICABLE BASE WATER DELIVERIES IN A.F.	32,619.16	45,671.5	45,671.5	32,619.16	4,036.8
<b>CHARGES PER ACRE-FEET</b>	<b>\$126.56</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$26.55</b>	<b>\$131.87</b>

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

REVENUE REQUIREMENT FOR COMMON FACILITIES DEBT SERVICE ( <i>Remaining Facilities per RA 4.3a2</i> )	\$3,939,412
N. MARIN'S SHARE (REV. REQMT. FOR COMMON FAC. DEBT SERVICE X (11.2/90.4))	488,069
<b>ESTIMATED WATER DELIVERIES TO NORTH MARIN (IN A.F.)</b>	<b>6,455</b>
NORTH MARIN REVENUE BONDS CHARGE	75.61
REVENUE REQUIREMENT FOR COMMON FACILITIES DEBT SERVICE ( <i>Additional Facilities per RA 4.3b9</i> )	-
N. MARIN'S SHARE (REV. REQMT. FOR COMMON FAC. DEBT SERVICE X (19.9/146.2))	-
<b>ESTIMATED WATER DELIVERIES TO NORTH MARIN (IN A.F.)</b>	<b>6,455</b>
NORTH MARIN REVENUE BONDS CHARGE	-

**FY 2022-23 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		279,159	8,210,622	8,210,622	(0)
Petaluma Aq. Capital Fund	44235	0		155,228	6,326,239	6,326,239	0
Sonoma Aq. Capital Fund	44240	0		300,727	280,466	280,466	0
Sonoma Rev Bond 2012 Fund	44285	0	Sonoma AQ	253,827	117,112	117,112	0
Sonoma Rev Bond 2015 Fund	44305	65,000	Sonoma AQ	37,917	42,527	42,527	0
Sonoma Rev Bond 2019 Fund	44315	90,000	Sonoma AQ	240,577	169,023	169,023	0
Sonoma Rev Bond 2022 Fund	44330	0	Sonoma AQ	0	0	0	0
Storage Rev Bond 2012 Fund	44280	70,000	Storage Facilities	308,325	81,979	81,979	0
Storage Rev Bond 2015 Fund	44290	150,000	Storage Facilities	480,268	128,118	128,118	(0)
Storage Rev Bond 2022 Fund	44325	900,000	Storage Facilities	77,457	89,604	89,604	0
Common Rev Bond 2012 Fund	44275	0	Common Facilities	431,907	515,723	515,723	0
Common Rev Bond 2015 Fund	44295	180,000	Common Facilities	1,230,285	456,828	456,828	0
Common Rev Bond 2019 Fund	44310	0	Common Facilities	676,780	279,816	279,816	0
Common Rev Bond 2022 Fund	44320	5,800,000	Common Facilities	1,080,953	8,056,993	8,056,993	0
O&M Rev Bond 2022 Fund	44335	0	O&M Fund	0	0	0	0
State Loan Debt Service	44265	120,000	Common Facilities	1,196,268	683,560	683,560	0
State Loan Reserve	44270	0		0	(0)	(0)	0
Capital Lease Financing		0		0	0	0	0
Agency Fund (Discretionary)	44205	0	Common Facilities	0	8,085,770	8,085,770	0
Agency Fund (Charges)	44205	10,295,889		0			
Pipeline Facilities	44255			0	0	0	0
Storage Facilities	44250			1,120,000	191,386	191,387	0
Common Facilities	44260			6,100,000	628,821	628,821	(0)
North Marin	44300	0		0	1,127,986	1,127,987	0
Water Management Planning	44210			9,000	265,849	265,848	(0)
Watershed Planning/Restoration	44215			1,496,170	337,391	337,391	0
Recycled Water & Local Supply	44220			23,000	186,342	186,342	0
Water Conservation	44225			2,173,043	53,474	53,474	0
<b>Total</b>		<b>17,670,889</b>		<b>17,670,889</b>	<b>36,315,629</b>	<b>36,315,629</b>	<b>(0)</b>

**Common Facilities OT - in 47101 From**

Water Transmission (discretionary),	-						
Water Transmission (Charges)	-						
North Marin	-		O&M Rate Computation				
2012 Bond Fund	-		Revenue Requirement - Transfers Out:				
2015 Bond Fund	180,000				10,295,889		
2019 Bond Fund	-						
State Loan Debt Service	120,000						
	<u>300,000</u>						

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

<u>AQ Capital Funds</u>		<u>Agency Fund (Charges) OT - Out To:</u>	
		<u>Summary</u>	
Santa Rosa Aq. Capital Fund	279,159	AQ Capital Funds	580,114
Petaluma Aq. Capital Fund	155,228	Debt Service Funds	6,014,562
Sonoma Aq. Capital Fund	145,727	WT Subfunds	3,701,213
	<u>580,114</u>		<u>10,295,889</u>

**Debt Service Funds**

Sonoma Rev Bond 2012 Fund	253,827		
Sonoma Rev Bond 2015 Fund	37,917	Capital Funds and North Marin	0
Sonoma Rev Bond 2019 Fund	240,577		
Sonoma Rev Bond 2022 Fund	0		
Storage Rev Bond 2012 Fund	308,325	Total	<u>10,295,889</u>
Storage Rev Bond 2015 Fund	480,268		
Storage Rev Bond 2022 Fund	77,457		
Common Rev Bond 2012 Fund	431,907		
Common Rev Bond 2015 Fund	1,230,285		
Common Rev Bond 2019 Fund	676,780		
Common Rev Bond 2022 Fund	1,080,953		
State Loan Debt Service	1,196,268		
State Loan Reserve	0		
Capital Lease Financing	0		
	<u>6,014,562</u>		

**Capital Funds and North Marin**

Pipeline Facilities	0
Storage Facilities	0
Common Facilities	0
North Marin	0
	<u>0</u>

**WT Subfunds**

Water Management Planning	9,000
Watershed Planning/Restoration	1,496,170
Recycled Water & Local Supply	23,000
Water Conservation	2,173,043
	<u>3,701,213</u>

Total 10,295,889