



# Central Valley Water Reclamation Facility



## 2019 Calendar Year Budget

### Member Entities

Cottonwood Improvement District

Mt Olympus Improvement District

Granger-Hunter Improvement District

Kearns Improvement District

Murray City

South Salt Lake City

Taylorsville-Bennion Improvement District



## Central Valley Water Reclamation Facility (CVWRF) 2019 Budget Summary

	2018	2019	% Changes
<b>Revenue</b>			
Member Entity Operations	19,248,708	20,787,631	7.99%
Operations Sales	588,000	0	-100.00%
Member Entity Bonds	2,640,217	4,462,450	69.02%
Member Entity Capital	22,038,766	21,787,831	-1.14%
Use of Bond Proceeds	22,228,634	31,460,612	41.53%
<b>Total Revenue/Bond Proceeds</b>	<b>66,744,325</b>	<b>78,498,524</b>	<b>17.61%</b>
<b>Expenses</b>			
Wages & Benefits	11,280,516	11,836,920	4.93%
Operations	962,531	1,029,742	6.98%
Contract Services	2,398,050	2,080,200	-13.25%
Utilities	1,331,146	1,378,970	3.59%
Chemicals	500,476	541,058	8.11%
Maintenance	2,817,873	3,336,341	18.40%
Insurance	246,116	284,400	15.56%
Contingency	300,000	300,000	0.00%
<b>Total Expenses</b>	<b>19,836,708</b>	<b>20,787,631</b>	<b>4.79%</b>
<b>Bonds &amp; Capital</b>			
Debt Service	2,640,217	6,427,450	143.44%
Capital	44,267,400	51,283,443	15.85%
<b>Total Bonds and Capital</b>	<b>46,907,617</b>	<b>57,710,893</b>	<b>23.03%</b>
<b>Total Budget</b>	<b>66,744,325</b>	<b>78,498,524</b>	<b>17.61%</b>

### Wages & Benefits

The total percentage change for personnel are 3.6 percent for COLA, 2.0 percent for merit, 1.09 percent for annual career ladder increases (18 possible), and 0.27 percent for 7 market adjustments. The COLA is based on the Bureau of Labor statistics, western region consumer price index, the information is below:



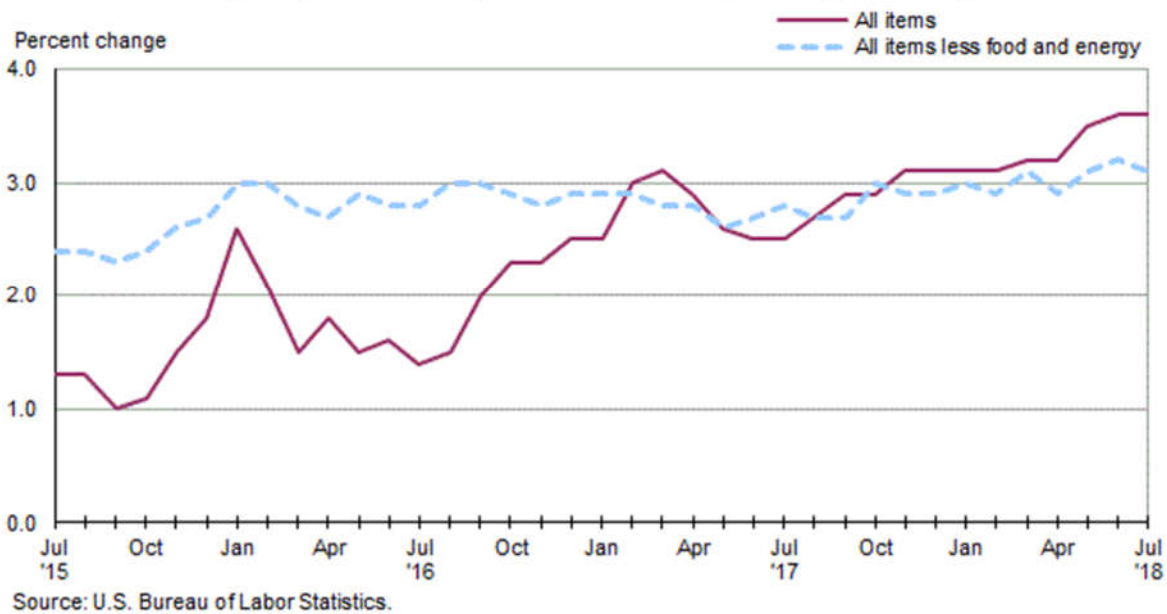
## Consumer Price Index, West Region — July 2018

### Area prices were up 0.1 percent over the past month, up 3.6 percent from a year ago

Prices in the West Region, as measured by the Consumer Price Index for All Urban Consumers (CPI-U), inched up 0.1 percent in July, the U.S. Bureau of Labor Statistics reported today. (See table A.) The July increase was influenced by higher prices for shelter and food. (Data in this report are not seasonally adjusted. Accordingly, month-to-month changes may reflect seasonal influences.)

Over the last 12 months, the CPI-U advanced 3.6 percent. (See chart 1 and table A.) Energy prices jumped 14.9 percent, largely the result of an increase in the price of gasoline. The index for all items less food and energy rose 3.1 percent over the year. (See table 1.)

**Chart 1. Over-the-year percent change in CPI-U, West region, July 2015–July 2018**



[https://www.bls.gov/regions/west/news-release/consumerpriceindex\\_west.htm](https://www.bls.gov/regions/west/news-release/consumerpriceindex_west.htm)

There is one proposed position in the budget, it is for the Electrical Department for an addition electrician.

There could be as many as 6 employees retiring next budget year. Four employees have declared their retirement dates for 2019. These payouts have been budgeted, and are part of the increase in Wages & Benefits.

Health insurance increased by 5 percent this year. Last year the increase was 4 percent, and the projected national average increase for 2018 is 6 percent.



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2019 Staffing Summary

Position Description	2018 Employee Count	2019 Employee Count
Plant Superintendent	1	1
Operations Supervisor	3	3
Operators	23	23
Operations	27	27
Maintenance Manager	1	1
Mechanical Supervisor	1	1
Mechanics	9	9
Maintenance	11	11
Electrical Supervisor	1	1
Electricians	4	5
Electrical	5	6
Buildings Lead	1	1
Facility Tech	1	1
Painter	1	1
Seasonal Help	0.75	1
Grounds	3.75	4
Bio-solids/Compost Supervisor	1	1
Truck Driver	5	5
Bio-solids/Compost	6	6
Co-Gen Supervisor	1	1
Co-Gen Mechanic	4	4
Co-Gen	5	5
General Manager	1	1
Assistant General Manager	1	1
General Manager	2	2
Employee Services Manager	1	1
HR Manager	1	1
Administrative Assistant	1	1
Human Resources	3	3



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2019 Staffing Summary Continued

Chief Finance Officer	1	1
Controller	1	1
FMS Prog Coordinator	1	1
Accounting/Recp III	1	1
Warehouse Specialist	1	1
Parts Runner	0.5	0.5
Finance	5.5	5.5
IT/Data Services Manager	1	1
IT Supervisor	1	1
Asset Managment Coordin	1	1
MIS Programmer/Data Base	1	1
PLC Programmer	2	2
Process LAN Tech	1	1
Network Administrator	1	1
Information Technology	8	8
LAB Director	1	1
Chemist II	2	2
LAB Tech III	2	2
Lab Intern (Part time)	0.25	0
Lab	5.25	5
IWCD Supervisor	1	1
IWCD Coordinator	3	3
IWCD Specialist II	2	2
IWCD Trainee	1	1
Pretreatment	7	7
Engineering Manager	1	1
Engineer Tech/Project Coordin	1	1
Engineer Shadow (Vacant)	1	1
Engineering Intern (Part time)	0.25	0.25
Engineering	3.25	3.25
Safety Manager	1	1
Safety Specialist	1	1
Safety	2	2
Employee Count	93.75	94.75



### **Operations**

The Operations category contains Travel & Training, Uniforms, Subscriptions, Janitorial, and Supplies. The increase of \$67,000 is from small changes in various accounts.

### **Contract Services**

Contract Services category line decreased by \$317,000. The studies that are budgeted are Golf Course Feasibility study \$50,000, Educational Lobby/Board Room Study \$25,000, Employee Compensation Evaluation \$15,000 Control and Power System Masterplan \$150,000, Plant Wide HVAC Evaluation \$100,000, and Plant Wide Seismic Evaluation \$230,000. The remainder of the budget is to hire contractors in Operations.

### **Utilities**

The \$47,000 increase in the Utility category is in anticipation of the Cogen engines change out. During this process we will not be producing our own electricity, and we are estimating a \$47,000 increase in power and natural gas over the prior year's estimate.

### **Chemicals**

Chemicals (polymer and hypochlorite) went up as CVWRF's market rates for these products increased. The budget for hypochlorite also increased to match actual usage.

### **Maintenance**

The \$518,000 increase in the Maintenance category is from:

- Operations \$28,000 increase for valve and UV lamp parts replacement;
- Energy Management \$82,000 increase to purchase inventory for the new engines;
- Electrical \$400,000 increase to fund replacement of old electrical breakers (\$150,000), and 20 year maintenance CIP projects (\$250,000) for replacement of electrical grid components that have reached end of life;

The remaining amount was from CIP maintenance projects in various departments.

### **Insurance**

The insurance category increase by \$38,000 as we have changed our broker and followed their suggested changes for insurance coverage.



### Member Entity Contributions by Function

Functions	Total		Granger-				South Salt	Taylorsville-	Total
	Allocation	Cottonwood	Mt. Olympus	Hunter	Kearns	Murray	Lake	Bennion	
Operations	12,613,731	2,316,424	2,863,204	2,930,418	1,301,574	1,128,261	777,599	1,296,251	12,613,731
Administration	4,406,659	809,253	1,000,272	1,023,752	454,710	394,163	271,658	452,851	4,406,659
Contingency	300,000	55,093	68,098	69,692	30,957	26,835	18,495	30,830	300,000
Lab	1,031,076	189,350	234,045	239,538	106,394	92,227	63,563	105,959	1,031,076
Interceptor	31,000	3,875	7,750	3,875	3,875	3,875	3,875	3,875	31,000
Pretreatment	784,301	67,921	176,782	243,993	28,000	124,626	127,449	15,530	784,301
Engineering	1,559,864	286,459	354,076	362,384	160,958	139,526	96,161	160,300	1,559,864
Board	61,000	11,203	13,847	14,168	6,295	5,457	3,761	6,269	61,000
Bonds	4,462,450	1,216,192	0	1,488,436	767,305	585,144	405,373	0	4,462,450
Bond Issuance Costs	1,965,000	419,212	314,573	513,158	234,333	201,444	139,407	142,873	1,965,000
Capital (Pay-go)	7,472,850	1,399,023	1,679,113	1,712,549	782,034	672,273	465,238	762,620	7,472,850
Capital Bond/Cash	43,810,593	0	9,844,022	0	0	0	0	4,470,959	14,314,981
<b>Total by Entity</b>		6,774,005	16,555,782	8,601,963	3,876,435	3,373,831	2,372,579	7,448,317	49,002,912

Entity	Operations %	August	Pretreatment
	12 Month	2018	12 Month
	Average	Capital %	Average
Cottonwood	18.3643%	18.7214%	8.66%
Mt. Olympus	22.6991%	22.4695%	22.54%
Granger-Hunter	23.2320%	22.9170%	31.11%
Kearns	10.3187%	10.4650%	3.57%
Murray	8.9447%	8.9962%	15.89%
South Salt Lake	6.1647%	6.2257%	16.25%
Taylorsville-Bennion	10.2765%	10.2052%	1.98%

Percentage Pulled from August flows or 12 Month Averages

### Annual Cash Account Balance Review

Calculated Maximum Cash 5,121,908

Current Cash Balance	9/30/2018	12/31/2017
Cash & cash equivalents	580,544	973,784
Accounts payable	-1,607,148	-1,003,571
Member entity A/R	2,554,713	1,141,137
Month end bond draw down	917,621	947,278
<b>Current Cash Balance</b>	2,445,730	2,058,628
<b>Difference</b>	-2,676,178	



**Debt Service**

The 2017A & B bond payment budgets are below:

Bond Payments	Amount
2017A Bond Principal	935,000
2017A Bond Interest	1,255,450
2017B Bond Principal	410,000
2017B Bond Interest	80,000
2017 Trustee Fees	3,500

Entity	2017A Bond %	Capital %	Principal	Interest	Trustee Fees
Cottonwood	32.9253%	18.7214%	307,851	413,360	700
Granger-Hunter	40.3040%	22.9170%	376,842	505,997	700
Murray	15.8216%	8.9962%	147,932	198,632	700
South Salt Lake	10.9491%	6.2257%	102,374	137,461	700
Total	100.0000%	56.8603%	934,999	1,255,450	2800

Entity	2017B Bond %	Principal	Interest	Trustee Fees
Kearns	100.0000%	410,000	80,000	700

CVWRF will run out of the remaining 2017A bond proceeds during budget year 2019. To insure there is not a funding short fall CVWRF will issue a bond for \$37.5 million which will cover the remaining amount 2019, 2020, and part of 2021 capital improvements. The estimated payments are below:

Bond Payments	Amount
2019 Bond Principal	890,000
2019 Bond Interest	885,000
2019 Issuance Costs	565,000
2019 Trustee Fees	3,500

Entity	2019 Bond %	Capital %	Principal	Interest	Trustee Fees	Issuance Costs
Cottonwood	27.8074%	18.7214%	247,486	246,095	700	157,112
Granger-Hunter	34.0392%	22.9170%	302,949	301,247	700	192,321
Kearns	15.5439%	10.4650%	138,341	137,564	700	87,823
Murray	13.3623%	8.9962%	118,924	118,256	700	75,497
South Salt Lake	9.2472%	6.2257%	82,300	81,838	700	52,247
Total	100.0000%	67.3253%	890,000	885,000	3500	565,000





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In preparation for the nutrient removal project starting in 2020, CVWRF has requested from the Division of Water Quality a low interest loan of \$90 million dollars. This loan will be authorized toward the end of 2019. It is not anticipated that a loan payment of principal or interest will be due, but the issuance cost will be due by the end of 2019. The cost of issuance will be paid from the bond proceeds.

South Salt Lake is applying for a State Division of Water Quality loan to fund their portion of the capital improvements. If their loan is approved the loan CVWRF will apply for will be approximately 80 million dollars plus closing costs.

The estimated cost of issuance for the State loan is below:

State Loan Payments	Amount
2019 State Loan Princ	0
2019 State Loan Int	0
2019 Issuance Costs	1,400,000

Entity	Capital %	Issuance Costs
Cottonwood	18.7214%	262,100
Mt. Olympus	22.4695%	314,573
Granger-Hunter	22.9170%	320,838
Kearns	10.4650%	146,510
Murray	8.9962%	125,947
South Salt Lake	6.2257%	87,160
Taylorville-Bennion	10.2052%	142,873
Total	100.0000%	1,400,001



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**Capital**

Bond/Cash Capital Projects

The capital projects to be carried forward amount to \$14.91 million. This is an estimate as of August 2018. These numbers will be updated as yearend gets closer. The new capital amounts to \$28.89 million. The amounts are as follows:

Bonding/Cash Projects	Description Budget Carryforwards	Original 2018 Budget	2019 Budget Carryforwards
EM14	Cogen System Upgrades (Gas Treatment, Engine 3 & 4 Replacement, Cooling System Replace	\$ 13,220,400	\$ 6,040,968
FLD03	Influent Box Channel (Rehab, Gates, Vent, odor control)	\$ 3,865,000	\$ 1,800,000
NUT05	Accelerate design/construction of Two Secondary Clarifiers for Nutrient Removal	\$ 6,800,000	\$ 2,873,000
BTD10	Blend Tank Lid and Equalization Tank Rehabilitation (Includes Digester #3 Mixing System)	\$ 1,875,000	\$ 1,300,000
FLD04	GHID Siphon Lining/Rehabilitation	\$ 1,274,000	\$ -
LTP17	3W/Cooling Pump Station, Hypochlorite System, Reuse Filters	\$ 3,211,000	\$ 2,900,000
<b>Total Cash and Bond Funded Capital Carryforwards</b>		<b>\$ 30,245,400</b>	<b>\$ 14,913,968</b>

Projects	Description	Original 2019 Budget	Proposed 2019 Budget
LTP05	Screenings and Grit System Replacement	\$ 3,675,000	\$ 5,000,625
NUT02	Nutrient Removal Engineering (Design and CM Phase 1 and 2)	\$ 3,710,000	\$ 4,550,000
NUT03	Nutrient Removal Facilities Construction Phase 1 - 3 (1 mg/l Phosphorus + TIN + low Ammoni	\$ 5,000,000	\$ 5,000,000
LTP16	3W/Cooling Pump Station, Hypochlorite System, Reuse Filters	\$ 3,307,000	\$ 4,050,000
LTP23	Headworks, Fermentors, Sludge Thickening Odor Control	\$ 2,000,000	\$ 2,800,000
FLD02	South Salt Lake Force Main (Interceptor) Rehabilitation/Replacement	\$ 1,255,000	\$ 1,955,000
NUT05	Accelerate design/construction of Two Secondary Clarifiers for Nutrient Removal	\$ 1,696,000	\$ 1,746,000
LTP02A	Headworks Seismic Upgrades	\$ 1,050,000	\$ 1,500,000
EM14	Cogen System Upgrades (Gas Treatment, Engine 1 & 2 Replacement, Cooling System Replacer	\$ 825,000	\$ 825,000
FLD04	GHID Siphon Lining/Rehabilitation	\$ 472,000	\$ -
BTD10	Blend Tank Lid and Equalization Tank Rehabilitation	\$ 1,050,000	\$ 550,000
LTP24	Secondary Clarifier Launderers and Weirs Replacement/New Stamford Baffles	\$ 400,000	\$ 420,000
	Construction Contingency	\$ -	\$ 500,000
<b>Total Cash and Bond Funded Capital</b>		<b>\$ 24,440,000</b>	<b>\$ 28,896,625</b>



Central Valley Water  
Reclamation  
Facility

**The pay-as-you-go capital**

The pay-as-you-go capital projects to be carried forward amount to \$1.76 million. This is an estimate as of August 2018. These numbers will be updated as yearend gets closer. The new capital amounts to \$5.7 million for pay-as-you-go.

Pay-as-you-go CIP Budget Carryforwards		Original 2018 Budget	2019 Budget Carryforward
LTP21	UV Pass No. 2 Equipment	\$ 631,000	\$ 623,500
EM11	Admin Bldg HVAC Units Replacement	\$ 54,000	\$ 54,000
LTP01F	Tunnel A/C and Heating (2 Units)	\$ 90,000	\$ 90,000
E	Power Gen Building Seismic Retrofit	\$ 617,000	\$ 300,000
	HR Software	\$ 75,000	\$ 75,000
	Septage Receiving Station	\$ 80,000	\$ 20,000
	Headworks Backup Generator (2 New 4160 V)	\$ 600,000	\$ 600,000

**Total Pay-as-you-go CIP Budget Carryforwards**     \$ 2,147,000     \$ 1,762,500

Projects	Description	Original CIP 2019 Budgets	Proposed 2019 Budgets
RS16	Operations and Maintenance Pickups	\$ 30,000	\$ 39,900
LTP11	Primary & Secondary Clarifier Launder Replacement	\$ 750,000	\$ 787,500
BTD13	Digester 1-5 Mixing Systems Replacement (Vaughn Jet Mixing)	\$ 350,000	\$ 367,500
EM16	Centrifugal Chiller and 3-stage Chiller Replacement	\$ 350,000	\$ 367,500
LTP21	UV Pass No. 2 Equipment	\$ 200,000	\$ 210,000
BTD08	New Dry Polymer Feed System/Upgrade Controls Existing System	\$ 50,000	\$ 52,500
LTP06	Headworks HVAC Upgrade/Replacement	\$ 547,000	\$ 574,350
LTP01A	Maintenance Building HVAC Upgrades	\$ 250,000	\$ 300,000
	3 RAS Pumps	\$ -	\$ 180,000
RS17	Mini Excavator	\$ 100,000	\$ 105,000
LTP15	Rebuild Secondary Clarifier Drives	\$ 50,000	\$ 50,000
RS10	Fork Lift	\$ 44,000	\$ 46,200
RS09	Scissor Lift/Boom Lift	\$ 30,000	\$ 31,500
EM04	Rebuild Transformers (every 5 years)	\$ 55,000	\$ 55,000
RS08	Grit/Screenings Truck and Roll Off Dumpsters	\$ 180,000	\$ 189,000
RS12	10 Wheel Dump	\$ 175,000	\$ 183,750
BTD11	Compost Covers	\$ -	\$ 75,000
New	DEF Fueling Station	\$ -	\$ 25,000
New	Power Gen Elevator	\$ -	\$ 100,000
New	UV Channel PLC (one channel)	\$ -	\$ 107,000
New	Operator Logbook replacement	\$ -	\$ 50,000
New	PLC M580 Change Out Headworks/UV	\$ -	\$ 100,000
New	Pretreatment IUMS Software	\$ -	\$ 50,000
IT16	SCADA/PLC Changeout and Upgrades	\$ 400,000	\$ 420,000
New	IT Server Replacement Rotation	\$ -	\$ 25,000
New	Flo-Dar Metering Equipment Rotation	\$ -	\$ 36,000
RS14	Pretreatment Sampling Vehicle	\$ 30,000	\$ 35,000
New	Design Food Waste Dumping Station (only if member entities decide to do this project)	\$ 424,000	\$ 424,000
GFG06	Metal Building Expansion	\$ -	\$ 223,650
	Contingency	\$ -	\$ 500,000

**Pay-as-you-go CIP Totals**     \$4,015,000     \$5,710,350

**Total Capital Projects Budgeted for Calendar Year 2019**     \$ 51,283,443



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There were several changes to the capital plan, some items were moved out of capital to maintenance and contract services. The changes are listed below. Also, some projects were delayed or are no longer needed. These projects are listed below:

		<b>Original 2019 Numbers</b>	<b>2019 Budget</b>
LTP26	Screen Room/Primary Influent/Effluent Channel Sealing and Rehabilitation	\$ 150,000	\$ 150,000
LTP14	Secondary Clarifier Mechanism Coating/Recondition	\$ 130,000	\$ 130,000
	Primary Clarifier Surface Sprayer Replacement	\$ 85,000	\$ 85,000
	NETA Motor Maintenance	\$ 65,000	\$ 65,000
	Belt Press Rollers	\$ 60,000	\$ 60,000
LTP-M	Liquid Treatment Process Maintenance Projects	\$ 57,000	\$ 57,000
	Deep Sump Pump Replacement	\$ 50,000	\$ 50,000
	UV Sump Pump	\$ 40,000	\$ 40,000
	10 Tunnel sump pump	\$ -	\$ 40,000
HW	Overhead Bridge Crane Controls and Wiring	\$ 25,000	\$ 25,000
	Inspect the Sewer Line to the Deep Sump	\$ 25,000	\$ 25,000
	Telescoping Valve Maintenance	\$ 17,000	\$ 17,000
EM03	480V MCC Buckets	\$ 46,200	\$ 46,200
IT14	Uninterruptible Power Supply Upgrades/ Battery Replacements	\$ 40,000	\$ 40,000
EM22	Plant Building/Tunnel Lighting Replacement with LEDs	\$ 84,000	\$ 84,000
FLD07	General Collection System Manhole Rehab (as needed basis)	\$ 219,000	\$ 219,000
GFG04	Concrete Rehab./Sealing/Replacement	\$ 44,000	\$ 44,000
	Remove old oil tanks	\$ 25,000	\$ 25,000

**Total Maintenance**            1,162,200            1,202,200

		<b>Original 2018 Numbers</b>	<b>2019 Budget</b>
LTP01	Plantwide HVAC Evaluation	\$ 319,000	\$ 100,000
	Power System Study/One Line Diagrams	\$ -	\$ 100,000
LTP02	Plantwide Seismic Evaluation	\$ 319,000	\$ 230,000
IT01	Control and Power System Masterplan	\$ 320,000	\$ 150,000

**Total Professional Fees**            958,000            580,000

<b>Projects that are no longer needed</b>		<b>Original 2019 Numbers</b>	<b>2019 Budget</b>
EM02	4160 V Starters (remaining 4 of 11)	\$ 132,000	\$ -

The remaining pages are the general ledger accounts with the requested budget with prior year's budget and actuals.

**CVWRF 2019 Budget Worksheet**

Account	Description	2016 Actual	2017 Actual	2018 YTD Actual	2018 Original Budget	2019		% Change	\$ Change
						Department Budget			
4001-10-00	Operations Wages	1,428,746	975,242	927,323	1,615,305	1,812,433		12%	197,128
4001-15-00	Operations Benefits	931,825	663,928	617,559	1,103,139	1,137,459		3%	34,320
4001-20-00	Operations Unemployment	-	-	-	20,000	10,000		-50%	-10,000
4001-21-00	Operations Uniforms	12,137	4,870	4,505	7,020	7,500		7%	480
4001-22-00	Operations Travel & Training	34,734	19,667	22,328	50,500	56,000		11%	5,500
4001-24-00	Operations Subscriptions & Memberships	1,898	591	695	4,060	4,600		13%	540
4001-27-00	Operations Supplies	36,441	18,328	26,593	43,800	33,800		-23%	-10,000
4001-43-00	Operations Telephone	3,129	2,843	3,071	6,500	6,200		-5%	-300
4001-46-00	Operations Water	17,539	6,531	11,835	18,500	18,500		0%	0
4001-51-00	Operations Polymer	163,697	91,344	102,762	189,090	192,308		2%	3,218
4001-52-00	Operations Hypo Chlorite	38,799	24,922	33,210	33,390	65,000		95%	31,610
4001-53-00	Operations Ferric Chloride	165,619	71,981	68,191	221,496	220,000		-1%	-1,496
4001-54-00	Operations Citric Acid	1,829	-	2,519	3,000	5,000		67%	2,000
4001-60-00	Operations Insurance	217,953	9,021	-	209,516	235,000		12%	25,484
4001-61-00	Operations Tipping Fees	68,553	37,162	51,268	64,902	72,000		11%	7,098
4001-64-00	Operations Maintenance	5,418	9,865	54,639	174,403	204,691		17%	30,288
4001-67-00	Operations Fuel	(4,689)	-	-	15,850	15,000		-5%	-850
4001-70-30	Operations CIP - Pay-As-You-Go	-	469,720	308,370	859,000	722,600		-16%	-136,400
				<b>Operations</b>	<b>4,639,471</b>	<b>4,818,091</b>		<b>4%</b>	<b>178,620</b>
4002-10-00	Mechanics Wages	683,214	385,961	394,028	688,267	747,641		9%	59,374
4002-15-00	Mechanics Benefits	447,082	263,718	256,481	406,226	476,788		17%	70,562
4002-21-00	Mechanics Uniforms	3,422	3,039	2,114	6,719	7,262		8%	543
4002-22-00	Mechanics Travel & Training	25,280	6,212	27,433	25,500	30,500		20%	5,000
4002-24-00	Mechanics Subscriptions & Memberships	1,584	475	696	1,670	1,900		14%	230
4002-41-00	Mechanics Contract Services	231,943	133,854	119,366	284,200	294,100		3%	9,900
4002-43-00	Mechanics Telephone	1,679	1,099	1,080	6,360	3,520		-45%	-2,840
4002-62-00	Mechanics Vehicles Maint	14,729	4,043	10,892	11,000	15,000		36%	4,000
4002-64-00	Mechanics Maintenance	457,966	219,695	577,565	1,162,700	1,007,000		-13%	-155,700
4002-70-30	Mechanics CIP - Pay-As-You-Go	-	303,394	157,552	1,601,000	3,756,850		135%	2,155,850
				<b>Maintenance</b>	<b>4,193,642</b>	<b>6,340,561</b>		<b>51%</b>	<b>2,146,919</b>
4003-10-00	Electrical Wages	310,689	191,840	209,903	426,567	533,558		25%	106,991
4003-15-00	Electrical Benefits	177,416	124,875	111,489	226,168	258,088		14%	31,920
4003-21-00	Electrical Uniforms	-	-	1,968	3,796	4,800		26%	1,004
4003-22-00	Electrical Travel & Training	5,975	(280)	3,196	10,500	14,500		38%	4,000
4003-24-00	Electrical Subscriptions & Memberships	328	516	205	875	950		9%	75
4003-41-00	Electrical Contract Services	80,860	44,639	189,439	200,000	300,000		50%	100,000
4003-43-00	Electrical Telephone	4,953	3,042	998	2,520	2,600		3%	80
4003-64-00	Electrical Maintenance	211,694	123,764	299,163	228,000	648,800		185%	420,800
4003-70-30	Electrical CIP - Pay-As-You-Go	-	-	127,098	873,000	655,000		-25%	-218,000
				<b>Electrical</b>	<b>1,971,426</b>	<b>2,418,296</b>		<b>23%</b>	<b>446,870</b>
4004-10-00	Building & Grounds Wages	166,578	118,116	91,099	153,729	206,107		34%	52,378
4004-15-00	Building & Grounds Benefits	78,547	43,690	65,324	90,876	126,236		39%	35,360
4004-21-00	Building & Grounds Uniforms	1,476	700	932	1,802	1,940		8%	138
4004-22-00	Building & Grounds Travel & Training	-	-	-	600	600		0%	0
4004-24-00	Building & Grounds Subscriptions & Membr	-	-	-	170	170		0%	0
4004-25-00	Building & Grounds Janitorial	-	-	-	-	45,400		100%	45,400
4004-27-00	Building & Grounds Supplies	7,751	9,624	9,700	12,600	600		-95%	-12,000
4004-41-00	Building & Grounds Contract Services	57,967	29,603	29,350	65,400	67,300		3%	1,900
4004-43-00	Building & Grounds Telephone	100	54	62	600	600		0%	0
4004-64-00	Building & Grounds Maintenance	51,253	21,497	12,685	54,000	52,000		-4%	-2,000
				<b>Building &amp; Grounds</b>	<b>379,777</b>	<b>500,953</b>		<b>32%</b>	<b>121,176</b>
4005-10-00	Bio-solids & Compost Wages	331,358	197,111	199,669	383,629	427,173		11%	43,544
4005-15-00	Bio-solids & Compost Benefits	235,673	153,830	130,099	248,065	253,848		2%	5,783

**CVWRF 2019 Budget Worksheet**

Account	Description	2016 Actual	2017 Actual	2018 YTD Actual	2018 Original Budget	2019		% Change	\$ Change
						Department Budget			
4005-21-00	Bio-solids & Compost Uniforms	2,535	590	466	4,000	3,500		-13%	-500
4005-22-00	Bio-solids & Compost Travel & Training	-	50	903	4,000	4,000		0%	0
4005-23-00	Bio-solids & Compost Credit Card Fees	-	-	5,019	12,000	12,000		0%	0
4005-24-00	Bio-solids & Compost Subscriptions & Mem	700	85	935	760	1,700		124%	940
4005-27-00	Bio-solids & Compost Supplies	7,724	9,607	5,857	5,500	12,500		127%	7,000
4005-41-00	Bio-solids & Compost Contract Services	2,103	775	650	4,780	1,200		-75%	-3,580
4005-43-00	Bio-solids & Compost Telephone	3,538	2,618	2,886	3,456	4,800		39%	1,344
4005-58-00	Bio-solids & Compost STA Samples	2,051	2,714	2,918	3,410	4,000		17%	590
4005-60-00	Bio-solids & Compost Insurance	13,953	-	-	2,000	3,000		50%	1,000
4005-61-00	Bio-solids & Compost Tipping Fees	103,214	83,286	102,597	213,000	213,000		0%	0
4005-64-00	Bio-solids & Compost Maintenance	297,522	66,509	67,615	182,000	186,500		2%	4,500
4005-67-00	Bio-solids & Compost Fuel	90,476	64,644	71,830	97,550	103,000		6%	5,450
4005-70-30	Bio-solids & Compost - CIP - Pay-As-You-Go	-	-	-	266,000	472,750		78%	206,750
	<b>Bio-solids/Compost</b>				<b>1,430,150</b>	<b>1,702,971</b>		<b>19%</b>	<b>272,821</b>
4006-10-00	Energy Management Wages	269,407	160,451	212,652	412,031	412,661		0%	630
4006-15-00	Energy Management Benefits	150,278	101,097	124,393	239,489	239,948		0%	459
4006-21-00	Energy Management Uniforms	1,365	1,197	1,720	3,670	3,500		-5%	-170
4006-22-00	Energy Management Travel & Training	3,241	-	-	21,250	25,000		18%	3,750
4006-24-00	Energy Management Subscriptions & Meml	243	-	75	330	350		6%	20
4006-43-00	Energy Management Telephone	629	384	336	660	700		6%	40
4006-44-00	Energy Management Natural Gas	415,262	346,152	261,705	665,000	625,000		-6%	-40,000
4006-45-00	Energy Management Power	414,781	249,477	226,077	600,000	690,000		15%	90,000
4006-64-00	Energy Management Maint	172,759	39,704	169,251	359,170	441,800		23%	82,630
4006-67-00	Energy Management Fuel	-	-	-	1,100	1,100		0%	0
4006-70-30	Energy Management - CIP - Pay-As-You-Go	-	179,694	43,097	650,000	300,000		-54%	-350,000
	<b>Energy Management</b>				<b>2,952,700</b>	<b>2,740,059</b>		<b>-7%</b>	<b>-212,641</b>
	<b>Total Operations Budget</b>				<b>15,567,166</b>	<b>18,520,931</b>		<b>19%</b>	<b>2,953,765</b>
4101-10-00	General Manager Wages	558,550	451,538	208,022	372,072	439,289		18%	67,217
4101-15-00	General Manager Benefits	288,562	215,231	89,980	155,959	165,185		6%	9,226
4101-21-00	General Manager Uniforms	-	-	-	3,100	1,500		-52%	-1,600
4101-22-00	General Manager Travel & Training	37,893	25,129	26,286	25,720	26,800		4%	1,080
4101-24-00	General Manager Subscriptions & Member:	1,871	1,607	773	2,000	2,000		0%	0
4101-26-00	General Manager Postage	3,753	1,082	1,756	2,000	3,200		60%	1,200
4101-27-00	General Manager Supplies	7,646	6,230	5,820	7,000	8,000		14%	1,000
4101-29-00	General Manager Miscellaneous/ Employee	25,922	5,707	6,388	20,900	14,000		-33%	-6,900
4101-32-00	General Manager Legislative Issues	30,000	-	-	50,000	50,000		0%	0
4101-40-00	General Manager Professional Fees	139,685	70,703	35,230	80,000	179,000		124%	99,000
4101-43-00	General Manager Telephone	5,762	3,863	1,469	1,740	2,700		55%	960
4101-60-00	General Manager Insurance	10,605	1,296	-	30,600	32,900		8%	2,300
4101-64-00	General Manager Maintenance	19,310	7,682	8,695	18,000	23,200		29%	5,200
	<b>General Manager</b>				<b>769,091</b>	<b>947,774</b>		<b>23%</b>	<b>178,683</b>
4102-10-00	Human Resources Wages	71,570	52,217	129,419	247,967	253,725		2%	5,758
4102-15-00	Human Resources Benefits	44,201	32,409	67,694	136,330	133,904		-2%	-2,426
4102-22-00	Human Resources Travel & Training	9,530	9,584	9,583	36,725	40,000		9%	3,275
4102-24-00	Human Resources Subscriptions & Member	2,131	1,065	2,122	2,050	2,800		37%	750
4102-25-00	Human Resources Public Notices	1,245	716	255	2,125	2,100		-1%	-25
4102-27-00	Human Resources Supplies	-	-	26	1,000	1,000		0%	0
4102-29-00	Human Resources Miscellaneous/Employee	475	255	711	11,050	22,800		106%	11,750
4102-40-00	Human Resources Professional Fees	1,532	640	2,411	3,220	18,800		484%	15,580
4102-43-00	Human Resources Telephone	587	382	1,777	2,760	2,800		1%	40
4102-64-00	Human Resources Maintenance	-	-	-	6,000	3,000		-50%	-3,000
	<b>Human Resources</b>				<b>449,227</b>	<b>480,929</b>		<b>7%</b>	<b>31,702</b>

**CVWRF 2019 Budget Worksheet**

Account	Description	2016 Actual	2017 Actual	2018 YTD Actual	2018 Original Budget	2019		% Change	\$ Change
						Department Budget			
4103-10-00	Finance Wages	-	-	210,794	454,098	451,569		-1%	-2,529
4103-15-00	Finance Benefits	-	-	127,660	246,895	249,401		1%	2,506
4103-21-00	Finance Uniforms	-	-	761	450	750		67%	300
4103-22-00	Finance Travel & Training	-	-	5,350	14,700	14,400		-2%	-300
4103-24-00	Finance Subscriptions & Memberships	-	-	306	810	800		-1%	-10
4103-27-00	Finance Supplies	-	-	1,061	1,000	1,000		0%	0
4103-40-00	Finance Professional Fees	-	-	13,165	19,500	19,500		0%	0
4103-43-00	Finance Telephone	-	-	2,021	3,390	2,650		-22%	-740
4103-63-00	Finance Small Equipment	-	-	-	-	-		100%	0
4103-64-00	Finance Maintenance	-	-	455	2,000	2,000		0%	0
				<b>Finance</b>	<b>742,843</b>	<b>742,070</b>		<b>0%</b>	<b>(773)</b>
4104-10-00	Information Tech Wages	428,291	277,647	441,208	821,429	826,585		1%	5,156
4104-15-00	Information Tech BenefInformation Techs	233,701	177,550	241,108	435,764	397,806		-9%	-37,958
4104-21-00	Information Tech Uniforms	400	523	-	750	1,400		87%	650
4104-22-00	Information Tech Travel & Training	14,113	22,240	22,235	39,850	47,200		18%	7,350
4104-24-00	Information Tech Subscriptions & Members	-	85	394	800	500		-38%	-300
4104-40-00	Information Tech Professional Fees	-	-	93,050	403,000	275,000		-32%	-128,000
4104-43-00	Information Tech Telephone	3,610	2,437	4,875	7,500	7,500		0%	0
4104-63-00	Information Tech Security Equipment & Ma	7,134	5,060	750	10,000	10,000		0%	0
4104-64-00	Information Tech Maintenance	202,676	66,870	169,547	306,010	352,300		15%	46,290
4104-70-30	Information Tech CIP - Pay-As-You-Go	-	245,509	203,590	375,000	847,000		126%	472,000
				<b>Information Technology</b>	<b>2,400,103</b>	<b>2,765,291</b>		<b>15%</b>	<b>365,188</b>
4105-10-00	Safety Wages	127,094	66,893	96,548	168,017	179,348		7%	11,331
4105-15-00	Safety Benefits	67,953	31,154	49,808	81,582	87,997		8%	6,415
4105-21-00	Safety Uniforms	100	135	144	700	700		0%	0
4105-22-00	Safety Travel & Training	3,989	1,811	6,484	9,385	6,800		-28%	-2,585
4105-24-00	Safety Subscriptions & Memberships	906	1,090	1,210	1,810	2,100		16%	290
4105-27-00	Safety Supplies	171	65	986	600	600		0%	0
4105-40-10	Safety Physicals & Testing	1,491	1,553	982	5,450	5,800		6%	350
4105-43-00	Safety Telephone	727	434	485	2,400	1,700		-29%	-700
4105-64-00	Safety Maintenance	20,085	9,609	2,491	23,390	32,550		39%	9,160
				<b>Safety</b>	<b>293,334</b>	<b>317,595</b>		<b>8%</b>	<b>24,261</b>
				<b>Total Administration</b>	<b>4,654,598</b>	<b>5,253,659</b>		<b>13%</b>	<b>599,061</b>
4201-90-00	Contingency	-	-	-	300,000	300,000		0%	0
4301-10-00	Laboratory Wages	392,121	229,391	256,760	449,280	410,268		-9%	-39,012
4301-15-00	Laboratory Benefits	233,982	171,900	131,282	253,115	208,108		-18%	-45,007
4301-21-00	Laboratory Uniforms	1,730	604	323	3,000	3,200		7%	200
4301-22-00	Laboratory Travel & Training	8,867	3,297	4,528	9,400	9,650		3%	250
4301-24-00	Laboratory Subscriptions & Memberships	81	526	85	549	600		9%	51
4301-26-00	Laboratory Postage	-	-	-	7,000	-		-100%	-7,000
4301-27-00	Laboratory Supplies	53,523	32,196	21,671	67,500	70,000		4%	2,500
4301-43-00	Laboratory Telephone	506	623	672	1,400	1,400		0%	0
4301-56-00	Laboratory Service	39,215	37,887	65,556	208,500	208,500		0%	0
4301-57-00	Laboratory Chemicals	54,781	31,476	31,289	53,500	58,750		10%	5,250
4301-60-00	Laboratory Insurance	4,000	-	-	1,000	1,000		0%	0
4301-64-00	Laboratory Maintenance	31,108	42,684	18,296	49,600	59,600		20%	10,000
4301-70-30	Laboratory CIP - Pay-As-You-Go	-	-	7,534	64,000	-		-100%	-64,000
				<b>Lab</b>	<b>1,167,844</b>	<b>1,031,076</b>		<b>-12%</b>	<b>-136,768</b>
4401-10-00	Interceptor Wages	18,240	10,262	9,911	-	18,500		100%	18,500
4401-15-00	Interceptor Benefits	10,443	4,712	2,478	-	4,500		100%	4,500
4401-60-00	Interceptor Insurance	1,000	-	-	1,000	1,000		0%	0

**CVWRF 2019 Budget Worksheet**

Account	Description	2016 Actual	2017 Actual	2018 YTD Actual	2018 Original Budget	2019		% Change	\$ Change
						Department Budget			
4401-64-00	Interceptor Maintenance	9,912	5,220	-	10,000	7,000		-30%	-3,000
				<b>Interceptor</b>	11,000	31,000		182%	20,000
4501-10-00	Pretreatment Wages	348,900	233,291	255,475	453,834	465,129		2%	11,295
4501-15-00	Pretreatment Benefits	212,594	132,807	160,661	308,437	279,822		-9%	-28,615
4501-21-00	Pretreatment Uniforms	738	145	153	2,528	1,600		-37%	-928
4501-22-00	Pretreatment Travel & Training	3,696	5,479	4,399	9,200	10,200		11%	1,000
4501-24-00	Pretreatment Subscriptions & Membership	405	340	710	595	650		9%	55
4501-27-00	Pretreatment Supplies	1,587	411	1,636	2,000	2,800		40%	800
4501-40-00	Pretreatment Professional Fees	-	-	-	3,000	3,000		0%	0
4501-43-00	Pretreatment Telephone	3,989	2,626	3,186	6,660	6,700		1%	40
4501-56-00	Pretreatment Lab Service	-	-	-	-	-		100%	0
4501-60-00	Pretreatment Insurance	4,286	-	-	1,000	5,000		400%	4,000
4501-64-00	Pretreatment Maintenance	10,411	2,735	50,320	226,800	9,400		-96%	-217,400
4501-70-30	Pretreatment CIP - Pay-As-You-Go	-	-	-	30,000	71,000		137%	41,000
				<b>Pretreatment</b>	1,044,054	855,301		-18%	-188,753
4601-10-00	Engineering Wages	198,580	114,314	132,537	477,852	406,092		-15%	-71,760
4601-15-00	Engineering Benefits	95,223	63,355	61,198	184,374	187,252		2%	2,878
4601-21-00	Engineering Uniforms	477	100	170	500	870		74%	370
4601-22-00	Engineering Travel & Training	10,879	4,449	6,417	15,100	13,400		-11%	-1,700
4601-24-00	Engineering Subscriptions & Memberships	81	85	90	300	400		33%	100
4601-27-00	Engineering Supplies	369	491	133	1,400	750		-46%	-650
4601-40-00	Engineering Professional Fees	367,882	218,497	194,565	1,071,000	658,000		-39%	-413,000
4601-43-00	Engineering Telephone	1,195	866	821	1,700	1,600		-6%	-100
4601-64-00	Engineering Maintenance	216	-	2,463	4,800	291,500		5973%	286,700
4601-70-30	Engineering CIP - Pay-As-You-Go	-	590,678	341,772	342,000	647,650		89%	305,650
				<b>Engineering</b>	2,099,026	2,207,514		5%	108,488
4601-70-01	Engineering CIP - Bond/Cash Cogen	-	948,246	5,122,685	13,220,400	6,865,968		-48%	-6,354,432
4601-70-02	Engineering CIP - Bond/Cash Influent Box	-	85,123	3,510,778	3,865,000	1,800,000		-53%	-2,065,000
4601-70-03	Engineering CIP - Bond/Cash - Secondary Cl	-	2,861	2,837,009	7,618,000	4,619,000		-39%	-2,999,000
4601-70-04	Engineering CIP - Bond/Cash Blend & Equili	-	33,981	219,804	1,875,000	1,850,000		-1%	-25,000
4601-70-05	Engineering CIP - Bond/Cash Nutrient Remc	-	-	889,383	3,900,000	4,550,000		17%	650,000
4601-70-06	Engineering CIP - Bond/Cash Slip Lining	-	-	32,793	5,518,000	1,955,000		-65%	-3,563,000
4601-70-07	Engineering CIP - Bond/Cash 3W/Cooling Pt	-	-	52,684	3,211,000	6,950,000		116%	3,739,000
4601-70-08	Engineering CIP - Screenings and Grit Syste	-	-	-	-	5,000,625		100%	5,000,625
4601-70-09	Engineering CIP - Headworks Seismic Upgra	-	-	-	-	1,500,000		100%	1,500,000
4601-70-10	Engineering CIP - Headworks, Fermentors, &	-	-	-	-	2,800,000		100%	2,800,000
4601-70-11	Engineering CIP - Construction Contingency	-	-	-	-	500,000		100%	500,000
4601-70-12	Engineering CIP - Nutrient Removal Demo	-	-	-	-	5,000,000		100%	5,000,000
4601-70-13	Engineering CIP - Secondary Clarifiers Launc	-	-	-	-	420,000		100%	420,000
				<b>Capital</b>	39,207,400	43,810,593		12%	4,603,193
4701-10-00	Board Compensation	37,667	23,322	19,213	40,020	40,500		1%	480
4701-22-00	Board Travel & Training	4,520	1,971	-	6,000	10,000		67%	4,000
4701-29-00	Board Miscellaneous	3,036	88	1,019	6,000	4,000		-33%	-2,000
4701-60-00	Board Insurance	6,500	-	-	1,000	6,500		550%	5,500
				<b>Board</b>	53,020	61,000		15%	7,980
4801-81-00	Bond Principal - 2005	-	-	2,107,952	-	-		100%	0
4801-81-01	2017A Bond Principal	-	-	905,000	905,000	935,000		3%	30,000
4801-81-10	2017B Bond Principal Kearns	-	-	434,079	350,000	410,000		17%	60,000
4801-82-00	Bond Interest - 2005	-	-	-	-	-		100%	0
4801-82-01	2017A Bond Interest Cottonwood	-	-	650,650	1,287,725	1,255,450		-3%	-32,275
4801-82-10	2017B Bond Interest Kearns	-	-	41,955	90,492	80,000		-12%	-10,492



**CVWRF 2019 Budget Worksheet**

Account	Description	2016 Actual	2017 Actual	2018 YTD Actual	2018 Original Budget	2019		% Change	\$ Change
						Department Budget			
4801-81-11	2019 State Loan Principal	-	-	-	-	-		100%	0
4801-82-11	2019 State Loan Interest	-	-	-	-	-		100%	0
4801-81-12	2019 Bond Principal	-	-	-	-	665,000		100%	665,000
4801-82-12	2019 Bond Interest	-	-	-	-	657,000		100%	657,000
4801-83-00	Fiscal Fees	-	-	-	7,000	7,000		0%	0
4801-83-10	Bond Issuance Cost	-	-	-	-	1,965,000		100%	1,965,000
	<b>Bond Payments</b>				2,640,217	5,974,450			
	<b>CVWRF Total Budget</b>				<u>66,744,325</u>	<u>78,045,524</u>		17%	<u>11,301,199</u>