



Central Valley Water Reclamation Facility



2020 Calendar Year Budget (10/8/2019)

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) 2020 Budget Summary

	2019	2020	% Changes
Revenue			
Member Entity Operations	20,787,631	21,731,444	4.54%
Member Entity Bonds	4,462,450	6,223,755	39.47%
Member Entity Capital	21,787,831	24,010,705	10.20%
State Loan Proceeds	0	14,825,425	100.00%
Use of Bond Proceeds	31,460,612	26,796,378	-14.83%
Total Revenue/Bond Proceeds	78,498,524	93,587,707	19.22%
Expenses			
Wages & Benefits	11,836,920	12,957,399	9.47%
Operations	1,029,742	1,151,343	11.81%
Contract Services	2,080,200	1,697,530	-18.40%
Utilities	1,378,970	1,364,132	-1.08%
Chemicals	541,058	569,450	5.25%
Maintenance	3,336,341	3,312,724	-0.71%
Insurance	284,400	378,866	33.22%
Contingency	300,000	300,000	0.00%
Total Expenses	20,787,631	21,731,444	4.54%
Bonds & Capital			
Debt Service	6,427,450	6,223,755	-3.17%
Capital	51,283,443	65,632,508	27.98%
Total Bonds and Capital	57,710,893	71,856,263	24.51%
Total Budget	78,498,524	93,587,707	19.22%

Wages & Benefits

The total percentage change for personnel are 2.7 percent for cost of living adjustment (COLA), 2.0 percent for merit, 1.96 percent for annual career ladder increases (26 possible), and 0.68 percent for 11 market adjustments. The COLA is based on the Bureau of Labor statistics, western region consumer price index, the information is below:



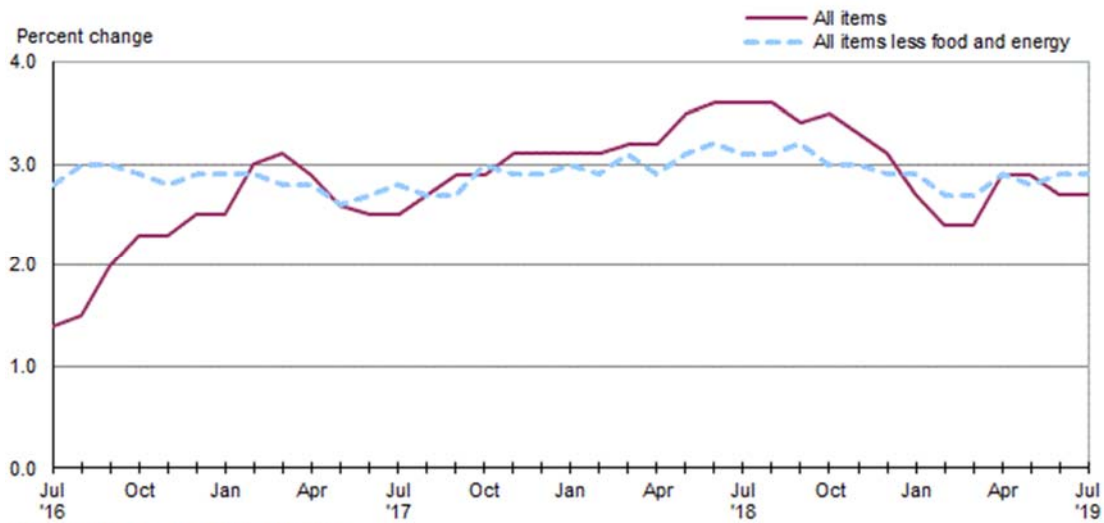
Consumer Price Index, West Region — July 2019

Area prices were unchanged over the past month, up 2.7 percent from a year ago

Prices in the West Region, as measured by the Consumer Price Index for All Urban Consumers (CPI-U), were unchanged in July, the U.S. Bureau of Labor Statistics reported today. (See table A.) During July, lower prices for gasoline helped counter higher shelter prices. (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 rose 2.7 percent. (See chart 1 and table A.) Energy prices edged down 0.2 percent, largely the result of a decrease in the price of gasoline. The index for all items less food and energy advanced 2.9 percent over the year. (See table 1.) CVWRF’s cost of living salary increase in the proposed 2020 budget is 2.7%.

Chart 1. Over-the-year percent change in CPI-U, West region, July 2016–July 2019



https://www.bls.gov/regions/west/news-release/consumerpriceindex_west.htm

Staffing

The proposed new positions in the budget are as follows: Operations Supervisor biological nutrient removal (BNR), Operations DRC (BNR), Safety Position (in case our employee on short term disability can come back), Electrical Construction Supervisor (temporary for one year when current staff will retire), and two part time compost delivery drivers have been added for Friday and Saturday deliveries. Last, the extra engineering position (cross train with our retiring engineer) has been removed.

There could be as many as 5 employees retiring next budget year. Only one employee has declared his retirement dates for 2020. These payouts have been budgeted, and are part of the increase in Wages & Benefits.

Health insurance increased by 6.5 percent this year. Last year the increase was 5 percent, and the projected national average increase for 2020 is 6 percent*. Central Valley is looking into dropping one of the plans to potentially lower the increase.

*<https://www.shrm.org/resourcesandtools/hr-topics/benefits/pages/2020-large-employer-health-costs-expected-to-rise.aspx>



2020 Staffing Summary

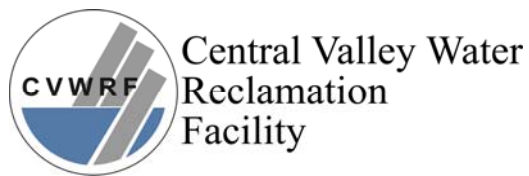
Position Description	2019 Employee Count	2020 Employee Count
Plant Superintendent	1	1
Operations Supervisor	3	4
Operators	23	24
Operations	27	29
Maintenance Manager	1	1
Mechanical Supervisor	1	1
Mechanics	9	9
Maintenance	11	11
Electrical Supervisor	1	2
Electricians	5	5
Electrical	6	7
Buildings Lead	1	1
Facility Tech	1	1
Painter	1	1
Seasonal Help	1	1
Grounds	4	4
Bio-solids/Compost Supervisor	1	1
Truck Driver	5	5
Compost Delivery Driver (Part time)	0	.5
Bio-solids/Compost	6	6.5
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



Central Valley Water
Reclamation
Facility

2020 Staffing Summary Continued

Position Description	2019 Employee Count	2020 Employee Count
Chief Finance Officer	1	1
Controller	1	1
FMS Prog Coordinator	1	1
Accounting/Receptionist 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 Management Coordinator	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	5	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 Coordinator	1	1
Engineer Shadow (Vacant)	1	0
Engineering Intern (Part time)	0.25	0.25
Engineering	3.25	2.25
Safety Manager	1	1
Safety Specialist	1	1
Safety Position	0	1
Safety	2	3
Employee Count	94.75	98.25



Operations

The Operations category contains Travel & Training, Uniforms, Subscriptions, Janitorial, Tipping Fees, and Supplies. The increase of \$121,601 is from changes in various accounts.

Uniforms have increase as our current supplier of these services have had two increases in 2019 budget. This contract will be available to bid in October 2021. Janitorial expenses are going up as there will be more contractors on site and as well as more areas to clean. Last, fuel went up as we have price increases and new backup generator tanks to fill. These three items account for most of the increase.

Contract Services

Contract Services category line decreased by \$382,000. With the construction at Central Valley, management has cut back on the budget in this category to be more realistic about what can be accomplished with all the demands on employee time.

Utilities

The \$14,000 decrease in the Utility category is based on historic data and is taking the temporary 2 MW backup generator into consideration.

Chemicals

Chemicals (polymer and hypochlorite) went up by \$28,000 as CVWRF's market rates for these products increased. The budget for hypochlorite also increased to match actual usage.

Maintenance

The Maintenance category decreased slightly by \$23,000 as management is trying to maintain the existing plant as well as balancing new construction.

Insurance

The insurance category increased by \$94,000. The largest contributor to the increase was property coverage increased by approximately \$40,000, as insurers have experienced high losses in prior years. The cyber and pollution risk coverage were an enhancement to our policy that cost an additional \$20,400. General liability coverage increased by \$5,000. The last difference from the previous year is from moving to a policy that matches our calendar year.

Management considered builders risk but declined coverage as it didn't provide much benefit for the additional \$100,000 of annual premium cost and may be included as a contractor requirement.



Member Entity Contributions by Function

Functions	Total Allocation	Cottonwood	Mt. Olympus	Granger-Hunter	Kearns	Murray	South Salt Lake	Taylorsville-Bennion	Total
Operations	13,934,650	2,598,482	3,142,060	3,173,560	1,510,198	1,240,061	856,288	1,414,001	13,934,650
Administration	4,375,860	815,994	986,693	996,583	474,244	389,413	268,898	444,035	4,375,860
Contingency	300,000	55,943	67,646	68,320	32,514	26,698	18,436	30,443	300,000
Engineering	1,112,799	207,511	250,920	253,433	120,603	99,030	68,382	112,920	1,112,799
Board	54,036	10,077	12,185	12,303	5,857	4,809	3,321	5,484	54,036
Pretreatment	953,027	80,285	207,276	284,571	37,304	150,483	171,228	21,880	953,027
Interceptor	0	0	0	0	0	0	0	0	0
Lab	1,001,072	186,677	225,728	227,986	108,494	89,087	61,517	101,583	1,001,072
Capital Bond/Cash	43,923,522	0	10,014,827	0	0	0	2,658,911	4,453,406	17,127,144
State Loan Funds	15,780,711	0	0	0	0	0	955,286	0	955,286
Capital (Pay-go)	5,928,275	1,090,009	1,351,683	1,360,725	647,368	518,553	358,869	601,068	5,928,275
Bonds	5,553,755	1,566,361	40,955	1,954,999	990,152	745,991	237,085	18,212	5,553,755
Bond Issuance Costs	670,000	131,128	162,608	163,696	77,878	62,382	0	72,308	670,000
Total by Entity		6,742,467	16,462,581	8,496,176	4,004,612	3,326,507	5,658,221	7,275,340	51,965,904

Entity	Operations % 12 Month Average	August Capital % Actual	Pretreatment 12 Month Average
Cottonwood	18.6476%	18.3866%	8.42%
Mt. Olympus	22.5485%	22.8006%	21.75%
Granger-Hunter	22.7746%	22.9532%	29.86%
Kearns	10.8377%	10.9200%	3.91%
Murray	8.8991%	8.7471%	15.79%
South Salt Lake	6.1450%	6.0535%	17.97%
Taylorsville-Bennion	10.1474%	10.1390%	2.30%

Percentage Pulled from August flows or 12 Month Averages

Annual Cash Account Balance Review

Calculated Maximum Cash 5,357,861

Current Cash Balance	9/30/2019	12/31/2018
Cash & cash equivalents	1,795,687	2,292,880
Accounts payable	-1,216,265	-3,905,281
Member entity A/R	2,615,786	2,538,401
Month end bond draw down	277,124	1,335,116
Current Cash Balance	3,472,332	2,261,116
Difference	-1,885,529	



Debt Service

The 2017A & B bond payment budgets are below:

Bond Payments	Amount
2017A Bond Principal	975,000
2017A Bond Interest	1,217,250
2017B Bond Principal	420,000
2017B Bond Interest	65,655
2017 Trustee Fees	3,500

Entity	2017A Bond %	Capital %	Principal	Interest	Trustee Fees
Cottonwood	32.7511%	18.3866%	319,323	398,663	700
Granger-Hunter	40.8854%	22.9532%	398,632	497,677	700
Murray	15.5808%	8.7471%	151,912	189,657	700
South Salt Lake	10.7828%	6.0535%	105,132	131,253	700
Total	100.0000%	56.1404%	974,999	1,217,250	2800

Entity	2017B Bond %	Principal	Interest	Trustee Fees
Kearns	100.0000%	420,000	65,655	700

CVWRF will run out of the remaining 2017A bond proceeds at the end of budget year 2019. CVWRF issued \$38.5 million of 2019B bonds in July of 2019. These bond proceeds will fund our capital projects for approximately the next one to one and a half years. The bond payments amounts are below:

Bond Payments	Amount
2019B Bond Principal	1,090,000
2019B Bond Interest	1,610,100
2019B Trustee Fees	3,500

Entity	2019 Bond %	Capital %	Principal	Interest	Trustee Fees
Cottonwood	30.1386%	18.3866%	328,511	485,262	875
Granger-Hunter	37.6239%	22.9532%	410,101	605,782	875
Kearns	17.8996%	10.9200%	195,106	288,201	875
Murray	14.3378%	8.7471%	156,282	230,853	875
Total	99.9999%	61.0069%	1,090,000	1,610,098	3500



Debt Service - Continued

In preparation for the nutrient removal project starting in 2020, CVWRF has requested from the Division of Water Quality (DWQ) a low interest loan of \$65 million dollars. This loan will be authorized at the beginning of 2020. It is not anticipated that a loan payment of principal or interest will be due until the projects are completed in 2024, but the issuance cost will be due when the loan closes in 2020. The cost of issuance will be paid from the bond proceeds.

South Salt Lake was authorized to approximately 11.2 million of State Division of Water Quality loan funds to fund their portion of the capital improvements. With their loan, CVWRF will have approximately 76 million dollars to fund the project.

The State Division of Water Quality charges 1 percent cost of issuances fee with all loans. The estimated cost of issuance for the State loan is below:

State Loan Payments	Amount
2020 State Loan Princ	0
2020 State Loan Int	168,750
2020 Issuance Costs	670,000

Entity	Capital %	2020 State	Issuance	
		Loan %	Costs	Interest
Cottonwood	18.3866%	19.5714%	131,128	33,027
Mt. Olympus	22.8006%	24.2698%	162,608	40,955
Granger-Hunter	22.9532%	24.4322%	163,696	41,229
Kearns	10.9200%	11.6236%	77,878	19,615
Murray	8.7471%	9.3107%	62,382	15,712
Taylorville-Bennion	10.1390%	10.7923%	72,308	18,212
Total	93.9465%	100.0000%	670,000	168,750



Capital

DWQ Loan Projects

For the DWQ loan, the total project capital costs are estimated to be \$15.7 million in 2020. The projects are: anaerobic basins, aeration basins, RAS denitrification, and demolition of west trickling filters.

Project Name		
State Loan Projects	Description	Budget
CC 30B	CONSTRUCTION CONTRACT 30B (CC 30B) BNR BASINS/PEPS	\$ 15,780,711

Carryforward Capital Budgets

The capital projects to be carried forward from budget year 2019 are \$15.4 million. This is an estimate as of August 2019. The Projects are as follows:

Number	Name	Carryover
LTP17	3W System	4,500,000.00
LTP05	Screening & Grit System Replacement	4,200,000.00
FLD02	South Salt Lake Force Main	1,600,000.00
EM14	Cogen	1,500,000.00
LTP02A	Headworks Seismic Upgrades	1,400,000.00
LTP23	Odor Control	800,000.00
LTP06	Headworks HVAC Units	574,350.00
LTP01A	Maintenance Building HVAC Upgrades	300,000.00
BTD13	Digester 1-5 Mixing Systems Replacement	200,000.00
IT16	SCADA/PLC Changeout & Upgrade	200,000.00
HR01	HR Software	75,000.00
LTP01F	Tunnel A/C & Heating	50,000.00
EN01	Septage Receiving Station	20,000.00
Total Capital Carryforward		15,419,350.00

These carryforward amounts are included in the capital budgets in the next section.

Capital - Continued

Bonding/Cash Projects

Budget year 2020 is the first year where the large capital projects really start to accelerate. The nutrient removal projects now have the most accurate engineering estimate (tier 1). This resulted in an increase in the estimated cost of the nutrient removal projects of \$25.4 million. This is difficult but is reflective of the current construction climate in Utah, and we hope the estimates are high and will be enough to cover the projects. These estimates also include a 15 percent contingency as well. We will only know how much our projects will cost once we have bids back from our contractors. The projects are as follows:

Bonding/Cash Project	Description	Budget
CC 10B	PRIMARY EFFLUENT CHANNEL - SOUTH INTERCONNECTION CC 10B	\$ 250,000
CC 30AE	CONSTRUCTION CONTRACT 30A (CC 30A) BLOWER BUILDING	\$ 11,126,860
CC 30C	CONSTRUCTION CONTRACT 30C (CC 30C) SIDESTREAM PHOSPHORUS	\$ 1,862,525
CC 30D	CONSTRUCTION CONTRACT 30D (CC 30D) THICKENING BUILDING	\$ 1,949,720
CC 30EF	CONSTRUCTION CONTRACT 30E (CC 30E) SIDESTREAM NITROGEN	\$ 809,713
LTP23	Headworks, Fermentors, Sludge Thickening Odor Control	\$ 800,000
EM14	Cogen System Upgrades (Gas Treatment, Engine 3 & 4 Replacement, Cooling System)	\$ 3,500,000
LTP05	Headworks Screenings and Grit System Replacement, HVAC, Seismic, and Isolation	\$ 10,113,579
FLD02	South Salt Lake Force Main (Interceptor) Rehabilitation/Replacement	\$ 1,600,000
FLD08	Murray Siphon Lining and Inlet Box Rehab	\$ 1,600,000
LTP17	3W/Cooling Pump Station, Hypochlorite System, Reuse Filters	\$ 8,000,000
NUT05	Two Secondary Clarifiers	\$ 200,000
LTP11	Primary & Secondary Clarifier Launder Replacement	\$ 811,125
BTD 14	Digester 1-5 Cover Replacement #5 (gasholder)	\$ 800,000
	Contingency	\$ 500,000

Total Cash and Bond Funded Capital \$ 43,923,522



Capital - Continued

The pay-as-you-go capital

The new annual capital amount is \$5.9 million for pay-as-you-go, this was adjusted up by 2 percent for inflation over the prior year. The pay-as-you-go capital is as follows:

Pay-as-you-go CIP	Description	Budget
EM-22	Headworks 5KV Switchgear Replacement	\$ 852,600
LTP01A	Maintenance Building HVAC Upgrades	\$ 620,000
BTD13	Digester 1-5 Mixing Systems Replacement (Vaughn Jet Mixing)	\$ 578,525
GFG03	Fire Protection System Changeout	\$ 574,350
BTD03	Egg Shaped Digester Recoating / New Exterior Sheathing (2)	\$ 500,000
IT16	SCADA/PLC Changeout and Upgrades	\$ 488,750
EM21	Cathodic Protection Replacement	\$ 250,000
	UV Forbay and Afterbay Mixing	\$ 210,000
RS07	Sludge Trucks and Trailers	\$ 180,000
	Tunnel Filtrate Line CIPP Lining	\$ 130,000
LTP34	Headworks Area Piping Replacement	\$ 121,800
	UV Channel Power Distribution Units	\$ 110,000
	Trash Pump	\$ 100,000
	Plant Wide Fire Sprinkler Seismic	\$ 80,000
BTD06	Digester No. 6-7 Circulation Pump Replacement (Choppers)	\$ 78,750
	HR Software	\$ 75,000
RS14	Pretreatment Sampling Vehicle	\$ 72,000
BTD-AM	Digester feed pump piping	\$ 58,000
	Primary sludge line replacement	\$ 50,000
	Shower and Eye Wash Tempering	\$ 50,000
	Plant Roof Camera's	\$ 50,000
	NG Storage for PreChamber	\$ 50,000
LTP01F	Tunnel and Misc. Building HVAC Upgrades	\$ 50,000
	Septage Receiving Station	\$ 50,000
RS16	Operations and Maintenance Pickups	\$ 50,000
LTP07	Influent Pump Right Angle Gear Drive Rebuild	\$ 46,000
IT 20	IT Server Replacement Rotation	\$ 21,000
	Muffle Furnace	\$ 16,500
	Flask Scrubber Washer	\$ 15,000
	Contingency	\$ 400,000

Pay-as-you-go CIP Totals \$5,928,275

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

CVWRF 2020 Budget Worksheet

Account	Description	2019 YTD			2020		% Change	\$ Change
		2017 Actual	2018 Actual	Actual	2019 Budget	Department Budget		
10-401-4001	Operations Wages	1,747,766	1,582,868	1,106,996	1,758,433	1,989,329	13%	230,896
10-401-4002	Operations Overtime	-	771	11,859	54,000	54,000	0%	0
10-401-4003	Operations Retirement	-	78,832	279,714	453,122	510,845	13%	57,723
10-401-4004	Operations Benefits	1,110,887	918,873	484,575	684,337	816,474	19%	132,137
10-401-4020	Operations Unemployment	-	-	-	10,000	10,000	0%	0
10-401-4021	Operations Uniforms	8,357	9,716	8,410	10,500	12,500	19%	2,000
10-401-4022	Operations Travel and Learning	45,519	34,662	18,169	56,000	57,000	2%	1,000
10-401-4023	Operations Memberships	1,101	1,485	935	4,600	2,720	-41%	-1,880
10-401-4027	Operations Supplies	101,797	43,500	16,738	33,800	33,800	0%	0
10-401-4100	Operations Contract Services	5,529	-	-	-	-	100%	0
10-401-4300	Operations Telephone	4,221	5,131	3,058	6,200	6,000	-3%	-200
10-401-4600	Operations Water	8,112	18,673	7,332	18,500	18,500	0%	0
10-401-5100	Operations Polymer	162,707	168,613	153,701	227,308	225,000	-1%	-2,308
10-401-5200	Operations Hypo Chlorite	53,189	86,830	70,200	90,000	130,000	44%	40,000
10-401-5300	Operations Ferric Chloride	128,252	145,449	111,206	160,000	151,700	-5%	-8,300
10-401-5400	Operations Citric Acid	-	2,519	2,531	5,000	4,000	-20%	-1,000
10-401-6000	Operations Insurance	223,669	209,000	108,071	235,000	218,844	-7%	-16,156
10-401-6100	Operations Tipping Fees	60,737	92,117	35,191	72,000	72,000	0%	0
10-401-6400	Operations Maintenance	39,810	66,598	89,310	201,691	206,844	3%	5,153
10-401-6700	Operations Fuel	-	5,720	12,221	15,000	15,000	0%	0
				Operations	4,095,491	4,534,556	11%	439,065
10-401-7070	Operations Pay-As-You-Go	456,150	334,519	165,198	710,600	500,000	-30%	-210,600
				Operations Capital	710,600	500,000	-30%	-210,600
10-402-4001	Mechanics Wages	717,726	687,234	487,399	735,641	790,382	7%	54,741
10-402-4002	Mechanics Overtime	-	671	1,723	12,000	12,000	0%	0
10-402-4003	Mechanics Retirement	-	34,739	121,284	186,914	200,601	7%	13,687
10-402-4004	Mechanics Benefits	450,424	398,554	201,499	289,874	316,699	9%	26,825
10-402-4021	Mechanics Uniforms	5,081	5,066	5,989	7,262	13,418	85%	6,156
10-402-4022	Mechanics Travel and Learning	26,830	32,098	15,327	30,500	30,380	0%	-120
10-402-4023	Mechanics Memberships	1,149	1,426	340	1,900	2,100	11%	200
10-402-4027	Mechanics Supplies	5,445	1,943	1,034	1,500	12,000	700%	10,500
10-402-4100	Mechanics Contract Services	276,966	207,174	57,232	294,100	244,500	-17%	-49,600
10-402-4300	Mechanics Telephone	2,107	1,742	985	3,520	3,560	1%	40
10-402-6000	Mechanics Insurance	-	-	-	-	77,860	100%	77,860
10-402-6300	Mechanics Vehicles Maintenance	7,706	11,627	254	15,000	15,000	0%	0
10-402-6400	Mechanics Maintenance	598,784	1,167,626	543,076	1,005,500	877,200	-13%	-128,300
				Mechanics	2,583,711	2,595,700	0%	11,989
10-402-7070	Mechanics Pay-As-You-Go	874,162	214,713	943,332	3,756,850	1,185,075	-68%	-2,571,775
				Mechanics Capital	3,756,850	1,185,075	-68%	-2,571,775
10-403-4001	Electrical Wages	321,727	402,239	306,490	522,558	598,314	14%	75,756
10-403-4002	Electrical Overtime	-	625	3,174	11,000	11,000	0%	0
10-403-4003	Electrical Retirement	-	27,357	76,566	133,392	152,331	14%	18,939
10-403-4004	Electrical Benefits	198,904	168,656	71,138	124,696	149,724	20%	25,028
10-403-4021	Electrical Uniforms	1,361	3,534	3,837	4,800	8,360	74%	3,560
10-403-4022	Electrical Travel and Learning	1,774	11,871	3,208	14,500	18,100	25%	3,600
10-403-4023	Electrical Memberships	686	854	290	950	1,470	55%	520
10-403-4100	Electrical Contract Services	97,038	246,980	118,047	300,000	254,000	-15%	-46,000
10-403-4300	Electrical Telephone	3,523	1,668	1,241	2,600	2,640	2%	40
10-403-6400	Electrical Maintenance	272,002	488,464	214,441	648,800	658,000		
				Electrical	1,763,296	1,853,939	5%	81,443
10-403-7070	Electrical Pay-As-You-Go	-	188,316	630,267	655,000	1,426,950	118%	771,950
				Electrical Capital	655,000	1,426,950	118%	771,950
10-404-4001	Building & Grounds Wages	168,521	156,006	138,005	202,607	183,127	-10%	-19,480
10-404-4002	Building & Grounds Overtime	-	-	1,102	3,500	3,500	0%	0
10-404-4003	Building & Grounds Retirement	-	6,891	24,655	44,530	39,658	-11%	-4,872

CVWRF 2020 Budget Worksheet

Account	Description	2019 YTD			2020		% Change	\$ Change
		2017 Actual	2018 Actual	Actual	2019 Budget	Department Budget		
10-404-4004	Building & Grounds Benefits	67,083	103,171	58,584	81,706	89,428	9%	7,722
10-404-4021	Building & Grounds Uniforms	1,682	2,385	1,950	2,440	3,870	59%	1,430
10-404-4022	Building & Grounds Travel and Learning	-	6,190	-	600	1,160	93%	560
10-404-4023	Building & Grounds Memberships	-	-	-	170	520	206%	350
10-404-4025	Building & Grounds Janitorial	-	-	17,439	45,400	66,000	45%	20,600
10-404-4027	Building & Grounds Supplies	15,847	17,785	595	600	600	0%	0
10-404-4100	Building & Grounds Contract Services	55,970	52,023	26,074	67,300	58,250	-13%	-9,050
10-404-4300	Building & Grounds Telephone	83	97	63	600	240	-60%	-360
10-404-6000	Building & Grounds Insurance	-	-	-	-	-	100%	0
10-404-6400	Building & Grounds Maintenance	37,098	30,397	29,332	51,500	49,500	-4%	-2,000
Building & Grounds					500,953	495,853	-1%	-5,100
10-405-4001	Biosolids & Compost Wages	238,003	348,685	238,738	414,173	441,424	7%	27,251
10-405-4002	Biosolids & Compost Overtime	-	-	7,123	13,000	13,000	0%	0
10-405-4003	Biosolids & Compost Retirement	-	17,607	61,417	106,796	113,609	6%	6,813
10-405-4004	Biosolids & Compost Benefits	220,558	200,788	99,252	147,052	161,701	10%	14,649
10-405-4021	Biosolids & Compost Uniforms	1,323	1,305	3,514	3,500	4,500	29%	1,000
10-405-4022	Biosolids & Compost Travel and Learning	100	3,373	-	4,000	4,000	0%	0
10-405-4023	Biosolids & Compost Memberships	2,638	9,398	3,357	2,900	3,925	35%	1,025
10-405-4024	Biosolids & Compost Credit Card Fees	-	-	5,974	12,000	12,000	0%	0
10-405-4027	Biosolids & Compost Supplies	12,380	7,070	3,097	12,500	10,000	-20%	-2,500
10-405-4100	Biosolids & Compost Contract Services	1,834	650	650	1,200	1,300	8%	100
10-405-4300	Biosolids & Compost Telephone	4,643	4,831	2,413	4,800	3,152	-34%	-1,648
10-405-5800	Biosolids & Compost Samples	4,471	3,378	495	4,000	3,900	-3%	-100
10-405-6000	Biosolids & Compost Insurance	14,349	2,000	6,663	3,000	43,077	1336%	40,077
10-405-6100	Biosolids & Compost Tipping Fees	149,899	194,004	122,405	213,000	217,750	2%	4,750
10-405-6200	Biosolids & Compost Tools & Small Equipment	-	-	-	-	5,300	100%	5,300
10-405-6400	Biosolids & Compost Maintenance	106,211	122,040	92,144	185,300	186,500	1%	1,200
10-405-6700	Biosolids & Compost Fuel	112,677	117,038	72,366	103,000	128,240	25%	25,240
Bio-solids/Compost					1,230,221	1,353,378	10%	123,157
10-405-7070	Biosolids & Compost Pay-As-You-Go	-	223,658	412,564	472,750	238,000	-50%	-234,750
Bio-solids/Compost Capital					472,750	238,000	-50%	-234,750
10-406-4001	Energy Management Wages	305,550	426,977	278,815	406,661	415,112	2%	8,451
10-406-4002	Energy Management Overtime	-	1,144	3,659	6,000	6,000	0%	0
10-406-4003	Energy Management Retirement	-	25,804	70,619	103,167	105,280	2%	2,113
10-406-4004	Energy Management Benefits	174,167	194,496	90,023	136,781	139,558	2%	2,777
10-406-4021	Energy Management Uniforms	2,180	3,125	2,479	3,500	4,500	29%	1,000
10-406-4022	Energy Management Travel and Learning	178	3,346	-	25,000	15,000	-40%	-10,000
10-406-4023	Energy Management Memberships	110	75	985	1,350	360	-73%	-990
10-406-4300	Energy Management Telephone	576	576	192	700	700	0%	0
10-406-4400	Energy Management Natural Gas	491,719	545,172	324,790	625,000	625,000	0%	0
10-406-4500	Energy Management Power	385,820	461,061	290,235	690,000	675,000	-2%	-15,000
10-406-6000	Energy Management Insurance	-	25,000	6,712	-	30,015	100%	30,015
10-406-6400	Energy Management Maintenance	127,510	210,032	180,048	440,800	530,320	20%	89,520
10-406-6700	Energy Management Fuel	1,352	-	-	1,100	20,000	1718%	18,900
Energy Management					2,440,059	2,566,845	5%	126,786
10-406-7070	Energy Management Pay-As-You-Go	356,500	585,493	136,643	300,000	-	-100%	-300,000
Energy Management Capital					300,000	-	-100%	-300,000
Total Operations Budget					18,508,931	16,750,296	-10%	(1,758,635)
10-501-4001	Lab Wages	401,724	412,622	266,391	391,768	354,999	-9%	-36,769
10-501-4002	Lab Overtime	-	1,924	5,341	10,500	10,500	0%	0
10-501-4003	Lab Retirement	-	16,879	66,844	98,571	91,379	-7%	-7,192
10-501-4004	Lab Benefits	281,576	190,872	87,091	124,637	136,834	10%	12,197
10-501-4021	Lab Uniforms	889	615	674	3,200	3,200	0%	0
10-501-4022	Lab Travel and Learning	5,212	4,622	1,856	9,650	9,650	0%	0

CVWRF 2020 Budget Worksheet

Account	Description	2017 Actual	2018 Actual	2019 YTD		2020		% Change	\$ Change
				Actual	2019 Budget	Department Budget			
10-501-4023	Lab Memberships	717	170	195	600	600	0%	0	
10-501-4026	Lab Postage	-	-	-	-	3,000	100%	3,000	
10-501-4027	Lab Supplies	53,742	37,571	53,428	79,000	70,000	-11%	-9,000	
10-501-4040	Lab Professional Fees	107,857	148,830	94,823	201,400	190,000	-6%	-11,400	
10-501-4300	Lab Telephone	973	1,338	814	1,400	1,400	0%	0	
10-501-5700	Lab Chemicals	53,555	51,758	10,002	58,750	58,750	0%	0	
10-501-6000	Lab Insurance	5,646	1,000	186	1,000	1,760	76%	760	
10-501-6400	Lab Maintenance	67,748	59,660	13,371	50,600	69,000	36%	18,400	
				Lab	1,031,076	1,001,072	-3%	-30,004	
10-501-7070	Lab Pay-As-You-Go	-	64,019	-	12,000	31,500	163%	19,500	
				Lab Capital	12,000	31,500	163%	19,500	
10-502-4001	Pretreatment Wages	393,846	446,175	314,783	459,129	565,166	23%	106,037	
10-502-4002	Pretreatment Overtime	-	603	2,315	6,000	6,000	0%	0	
10-502-4003	Pretreatment Retirement	-	21,691	77,518	120,911	142,795	18%	21,884	
10-502-4004	Pretreatment Benefits	215,080	246,648	118,681	158,911	181,966	15%	23,055	
10-502-4021	Pretreatment Uniforms	1,188	464	1,022	1,600	1,600	0%	0	
10-502-4022	Pretreatment Travel and Learning	7,821	6,929	8,995	10,200	14,000	37%	3,800	
10-502-4023	Pretreatment Memberships	680	806	340	650	1,250	92%	600	
10-502-4027	Pretreatment Supplies	763	2,136	100	2,800	3,800	36%	1,000	
10-502-4040	Pretreatment Professional Fees	-	-	210	3,000	3,000	0%	0	
10-502-4300	Pretreatment Telephone	4,103	5,467	3,150	6,700	6,700	0%	0	
10-502-6000	Pretreatment Insurance	5,000	1,000	7,247	5,000	650	-87%	-4,350	
10-502-6400	Pretreatment Maintenance	5,281	137,883	4,843	9,400	26,100	178%	16,700	
				Pretreatment	784,301	953,027	22%	168,726	
10-502-7070	Pretreatment Pay-As-You-Go	-	30,831	45,714	71,000	72,000	1%	1,000	
				Pretreatment Capital	71,000	72,000	1%	1,000	
10-503-4001	Interceptor Wages	16,998	13,377	-	18,500	-	-100%	-18,500	
10-503-4004	Interceptor Benefits	8,222	3,342	-	4,500	-	-100%	-4,500	
10-503-4023	Interceptor Memberships	-	-	255	500	-	-100%	-500	
10-503-4027	Interceptor Supplies	-	-	28	100	-	-100%	-100	
10-503-6000	Interceptor Insurance	-	1,000	-	1,000	-	-100%	-1,000	
10-503-6400	Interceptor Maintenance	5,580	573	237	6,400	-	-100%	-6,400	
				Interceptor	31,000	-	-100%	-31,000	
10-600-4001	Board Wages	34,158	32,633	23,422	40,500	42,536	5%	2,036	
10-600-4022	Board Travel and Learning	1,971	-	1,393	10,000	7,500	-25%	-2,500	
10-600-4028	Board Fines and Penalties	9,750	-	-	-	-	100%	0	
10-600-4029	Board Miscellaneous	1,266	2,772	1,332	4,000	4,000	0%	0	
10-600-6000	Board Insurance	5,500	1,000	-	6,500	-	-100%	-6,500	
				Board	61,000	54,036	-11%	-6,964	
10-601-4001	GM Wages	809,095	371,848	184,429	439,289	555,111	26%	115,822	
10-601-4003	GM Retirement	-	20,963	45,229	105,924	134,878	27%	28,954	
10-601-4004	GM Benefits	370,910	133,892	38,905	59,261	89,915	52%	30,654	
10-601-4021	GM Uniforms	495	(32)	454	1,500	1,500	0%	0	
10-601-4022	GM Travel and Learning	62,243	32,494	13,308	26,800	12,100	-55%	-14,700	
10-601-4023	GM Memberships	1,706	1,303	908	2,000	2,000	0%	0	
10-601-4026	GM Postage	2,306	3,213	2,620	3,200	3,200	0%	0	
10-601-4027	GM Supplies	9,652	8,287	11,859	10,500	8,500	-19%	-2,000	
10-601-4029	GM Miscellaneous	26,989	10,676	10,838	14,000	7,500	-46%	-6,500	
10-601-4032	GM Legislative Issues	-	-	-	50,000	50,000	0%	0	
10-601-4040	GM Professional Fees	88,401	71,868	33,893	176,500	115,000	-35%	-61,500	
10-601-4300	GM Telephone	5,509	2,799	2,283	2,700	3,000	11%	300	
10-601-6000	GM Insurance	10,185	27,184	3,873	32,900	6,510	-80%	-26,390	
10-601-6400	GM Maintenance	46,310	13,000	22,382	23,200	18,000	-22%	-5,200	

CVWRF 2020 Budget Worksheet

Account	Description	2019 YTD			2020		% Change	\$ Change
		2017 Actual	2018 Actual	Actual	2019 Budget	Department Budget		
General Manager				947,774	1,007,214	6%	59,440	
10-602-4001	HR Wages	93,556	231,212	167,952	253,725	277,733	9%	24,008
10-602-4002	HR Overtime	-	-	77	500	500	0%	0
10-602-4003	HR Retirement	-	12,139	48,788	63,432	69,559	10%	6,127
10-602-4004	HR Benefits	52,994	104,440	44,092	70,472	72,420	3%	1,948
10-602-4022	HR Travel and Learning	14,679	29,915	22,042	40,000	37,850	-5%	-2,150
10-602-4023	HR Memberships	1,249	3,560	743	2,800	2,770	-1%	-30
10-602-4025	HR Notices	1,638	290	450	2,100	1,000	-52%	-1,100
10-602-4027	HR Supplies	-	761	282	1,000	1,000	0%	0
10-602-4029	HR Miscellaneous	995	20,041	971	22,300	19,600	-12%	-2,700
10-602-4040	HR Professional Fees	4,849	1,469	4,535	18,800	27,080	44%	8,280
10-602-4300	HR Telephone	589	2,448	757	2,800	2,760	-1%	-40
10-602-6400	HR Maintenance	-	75	65	3,000	2,500	-17%	-500
Human Resources				480,929	514,772	7%	33,843	
10-603-4001	Finance Wages	-	372,243	315,673	445,569	474,214	6%	28,645
10-603-4002	Finance Overtime	-	1,745	1,943	6,000	6,000	0%	0
10-603-4003	Finance Retirement	-	17,758	70,814	108,288	111,860	3%	3,572
10-603-4004	Finance Benefits	-	197,763	96,262	141,113	149,354	6%	8,241
10-603-4021	Finance Uniforms	-	883	859	850	750	-12%	-100
10-603-4022	Finance Travel and Learning	-	9,304	12,323	14,400	12,600	-13%	-1,800
10-603-4023	Finance Memberships	-	432	335	800	800	0%	0
10-603-4027	Finance Supplies	-	1,169	913	1,000	1,200	20%	200
10-603-4040	Finance Professional Fees	-	13,915	12,500	18,900	19,500	3%	600
10-603-4300	Finance Telephone	-	3,765	2,049	2,650	2,880	9%	230
10-603-6200	Finance Tools & Small Equipment	-	-	-	-	1,000	100%	1,000
10-603-6400	Finance Maintenance	-	2,815	2,343	2,500	2,500	0%	0
Finance				742,070	782,658	5%	40,588	
10-604-4001	IT Wages	559,742	796,150	549,697	815,085	865,726	6%	50,641
10-604-4002	IT Overtime	-	-	2,514	11,500	11,500	0%	0
10-604-4003	IT Retirement	-	38,604	137,603	206,649	219,310	6%	12,661
10-604-4004	IT Benefits	306,685	365,199	145,867	191,157	225,350	18%	34,193
10-604-4021	IT Uniforms	523	1,545	943	1,400	1,500	7%	100
10-604-4022	IT Travel and Learning	47,053	41,487	19,819	47,200	31,000	-34%	-16,200
10-604-4023	IT Memberships	170	394	359	500	-	-100%	-500
10-604-4040	IT Professional Fees	8,000	257,102	15,902	275,000	242,500	-12%	-32,500
10-604-4300	IT Telephone	3,949	8,675	4,459	7,500	9,000	20%	1,500
10-604-6200	IT Tools & Small Equipment	11,735	17,851	4,707	10,000	10,000	0%	0
10-604-6400	IT Maintenance	234,113	346,396	239,128	352,300	162,000	-54%	-190,300
10-604-6500	IT Software Maintenance	-	-	-	-	293,330	100%	293,330
Information Technology				1,918,291	2,071,216	8%	152,925	
10-604-7070	IT Pay-As-You-Go	789,882	462,026	320,000	847,000	744,750	-12%	-102,250
Information Technology Capital				847,000	744,750	-12%	-102,250	
Total Administration				4,936,064	5,120,610	4%	184,546	
10-605-4001	Safety Wages	136,715	169,672	119,748	179,348	311,217	74%	131,869
10-605-4002	Safety Overtime	-	-	956	1,000	2,000	100%	1,000
10-605-4003	Safety Retirement	-	8,597	30,176	44,839	78,305	75%	33,466
10-605-4004	Safety Benefits	54,563	75,812	34,828	43,158	83,027	92%	39,869
10-605-4021	Safety Uniforms	135	632	114	700	1,050	50%	350
10-605-4022	Safety Travel and Learning	5,643	7,079	2,094	6,800	7,550	11%	750
10-605-4023	Safety Memberships	1,090	1,715	1,070	2,100	2,520	20%	420
10-605-4027	Safety Supplies	2,353	4,351	137	600	600	0%	0
10-605-4040	Safety Professional Fees	30	-	-	-	1,400	100%	1,400
10-605-4100	Safety Physicals & Testing	2,445	2,972	3,575	5,800	6,000	3%	200

CVWRF 2020 Budget Worksheet

Account	Description	2019 YTD			2020		% Change	\$ Change
		2017 Actual	2018 Actual	Actual	2019 Budget	Department Budget		
10-605-4300	Safety Telephone	682	1,029	785	1,700	2,000	18%	300
10-605-6200	Safety Tools & Small Equipment	-	237	406	1,000	6,780	578%	5,780
10-605-6400	Safety Maintenance	26,338	12,036	14,870	30,550	31,930	5%	1,380
				Safety	317,595	534,379	68%	216,784
10-606-4001	Engineering Wages	203,279	258,708	286,493	403,092	237,557	-41%	-165,535
10-606-4002	Engineering Overtime	-	32	966	3,000	3,000	0%	0
10-606-4003	Engineering Retirement	-	18,840	69,484	101,525	60,140	-41%	-41,385
10-606-4004	Engineering Benefits	106,231	89,845	57,619	85,727	73,452	-14%	-12,275
10-606-4021	Engineering Uniforms	100	170	476	870	600	-31%	-270
10-606-4022	Engineering Travel and Learning	9,586	10,726	12,370	13,400	15,000	12%	1,600
10-606-4023	Engineering Memberships	85	175	308	400	400	0%	0
10-606-4027	Engineering Supplies	677	538	146	750	1,900	153%	1,150
10-606-4040	Engineering Professional Fees	264,810	805,126	255,492	658,000	535,000	-19%	-123,000
10-606-4300	Engineering Telephone	1,338	1,425	1,388	1,600	1,600	0%	0
10-606-6000	Engineering Insurance	-	-	-	-	150	100%	150
10-606-6400	Engineering Maintenance	742	3,857	51,758	291,500	184,000	-37%	-107,500
				Engineering	1,559,864	1,112,799	-29%	-447,065
10-606-7070	Engineering Pay-As-You-Go	1,247,359	341,772	274,453	647,650	1,730,000	167%	1,082,350
				Engineering Capital	647,650	1,730,000	167%	1,082,350
10-610-4700	Contingency	-	-	177,000	300,000	300,000	0%	0
10-700-7001	Capital Bond/Cash Cogen	5,438,213	7,263,234	4,052,930	6,865,968	3,500,000	-49%	-3,365,968
10-700-7002	Capital Bond/Cash Influent Box	1,239,432	2,548,867	564,999	1,800,000	1,600,000	-11%	-200,000
10-700-7003	Capital Bond/Cash - Secondary Clarifiers	165,676	5,717,622	1,904,884	4,619,000	200,000	-96%	-4,419,000
10-700-7004	Capital Bond/Cash Blend & Equilization, Digester C	102,540	1,534,541	674,382	1,850,000	800,000	-57%	-1,050,000
10-700-7005	Capital Bond/Cash Nutrient Removal Desig	-	3,595,777	4,385,834	4,550,000	-	-100%	-4,550,000
10-700-7006	Capital Bond/Cash Slip Lining	-	4,247,578	285,345	1,955,000	1,600,000	-18%	-355,000
10-700-7007	Capital Bond/Cash 3W/Cooling Pump Statio	-	403,848	809,873	6,950,000	8,000,000	15%	1,050,000
10-700-7008	Headworks, Screenings, HVAC, Seismic, and Gates	-	-	328,815	5,000,625	10,113,579	102%	5,112,954
10-700-7009	Headworks Seismic Upgrades	-	-	14,458	1,500,000	-	-100%	-1,500,000
10-700-7010	HW, Fermentors, Sludge Thickening Odor Control	-	-	2,207,615	2,800,000	800,000	-71%	-2,000,000
10-700-7011	BNR Basins/PEPS	-	-	1,606,536	5,000,000	15,780,711	216%	10,780,711
10-700-7012	Secondary Clarifiers Launderers & Weirs	-	-	255	420,000	811,125	93%	391,125
10-700-7013	Anaerobic & Aeration Basin	-	-	-	-	250,000	100%	250,000
10-700-7014	RAS/Denite	-	-	-	-	11,126,860	100%	11,126,860
10-700-7015	Digester Cover & Recoating	-	-	-	-	1,862,525	100%	1,862,525
10-700-7016	Thickening Building	-	-	-	-	1,949,720	100%	1,949,720
10-700-7017	Sidestream Nitrogen	-	-	-	-	809,713	100%	809,713
10-700-7030	Construction Contingency	-	-	-	500,000	500,000	0%	0
				Capital	43,810,593	59,704,233	36%	15,893,640
10-800-8300	Fiscal Charges	301,716	6,179	404,614	1,972,000	670,000	-66%	-1,302,000
10-801-8117	Principle 2017A Bond	-	905,000	935,000	935,000	976,750	4%	41,750
10-801-8119	Principle 2019B Bond	-	-	-	890,000	1,093,500	23%	203,500
10-801-8217	Interest 2017A Bond	148,204	1,287,725	637,075	1,255,450	1,217,250	-3%	-38,200
10-801-8219	Interest 2019B Bond	-	-	-	885,000	1,610,100	82%	725,100
10-804-8118	Principle 2017B Bond	-	350,000	410,000	410,000	421,750	3%	11,750
10-804-8218	Interest 2017B Bond	9,556	80,935	38,980	80,000	65,655	-18%	-14,345
10-870-8200	Interest	230,730	-	-	-	168,750	100%	168,750
				Bond Payments	6,427,450	6,223,755		
				CVWRF Total Budget	78,498,524	93,587,707	19%	15,089,183