

Note : June 2024 - Use Inflation increase = 3.5% uno in comments

O&M Expense Detail Worksheet

	Administration	Lab / Regulatory	Water Resources	Operators	Maintenance	Line Total	Total
5100 - Personnel Services							\$3,609,057
5110 Wages							\$2,602,613
5111 Wages (Permanent)	\$283,011	\$210,359	\$383,372	\$1,034,200	\$563,671	\$2,474,613	
Wages (Contingency for Operators 5112 advancing through Licensing)				\$16,000		\$16,000	
5113 Overtime / Temporary On Call				\$82,000	\$6,000	\$88,000	
				\$24,000		\$24,000	
5120 Taxes							\$42,952
5121 Unemployment Tax	\$710	\$430	\$1,100	\$3,130	\$1,700	\$7,070	
5122 Medicare Tax	\$4,104	\$3,050	\$5,559	\$14,996	\$8,173	\$35,882	
5130 Pension							\$443,119
5131 P.E.R.A.	\$42,884	\$30,083	\$52,539	\$155,294	\$84,037	\$364,837	
5132 ICMA matchmaker - Employer	\$8,038	\$5,920	\$0	\$26,484	\$16,538	\$56,979	
5133 401K matchmaker - Employer	\$3,000	\$3,000	\$10,700	\$2,603	\$2,000	\$21,303	
5140 Insurance							\$455,898
5141 Health Insurance	\$37,348	\$27,348	\$41,022	\$151,743	\$87,209	\$344,670	
5142 Life Insurance P.E.R.A.	\$372	\$372	\$558	\$700	\$700	\$2,702	
5143 Workers Comp. Insurance	\$4,272	\$2,085	\$6,301	\$15,868	\$10,000	\$38,526	
5144 Health Savings Account	\$6,000	\$6,000	\$9,000	\$28,000	\$21,000	\$70,000	
5150 Misc.							\$64,475
5151 Conferences, Education	\$4,244	\$4,244	\$6,365	\$10,540	\$6,954	\$32,347	
5152 Uniforms	\$1,102	\$1,102	\$1,680	\$5,512	\$3,307	\$12,703	
5153 Safety	\$1,050	\$1,050	\$1,050	\$6,825	\$9,450	\$19,425	
5200 - Professional Services							\$66,965
Board, Legal Audit							\$66,965
5211 Directors Expenses	\$3,465					\$3,465	
5212 Legal Services	\$15,000					\$15,000	
5213 Audit Services	\$38,500					\$38,500	
5214 Engineering Services				\$10,000		\$10,000	
5300 Utilities							\$171,814
5310 Electrical Utilties							\$115,717
5311 Plant Electrical				\$54,600		\$54,600	
5312 Pump Station Electrical				\$61,117		\$61,117	
5313 Tie Pump Station Electrical				\$0		\$0	
5320 Natural Gas							\$44,495
5321 Plant Natural Gas				\$40,000		\$40,000	
5322 Pump Station Natural Gas				\$2,200		\$2,200	
5323 De-Watering bldg. Nat. Gas				\$2,295		\$2,295	
5330 Misc.							\$11,602
5331 Trash Removal				\$11,602		\$11,602	

Notes

O&M Expense Detail Worksheet

	Administration	Lab / Regulatory	Water Resources	Operators	Maintenance	Line Total	Total
5400 - Contractual Services							\$578,423
5410 Telephone & Internet							\$12,740
5411 Telephone & Internet	\$10,660		\$2,080			\$12,740	
5420 Outside Services							\$180,709
5421 HVAC Service					\$2,000	\$2,000	
5422 Contract Lab		\$16,714				\$16,714	
5423 IT & SCADA Support	\$52,000			\$54,995		\$106,995	
5424 Solids Removal				\$40,000		\$40,000	
5426 Administrative Support	\$15,000					\$15,000	
5430 Source of Supply							\$142,000
5431 CBT Winter Delivery						\$0	
5432 PVP Maintenance Est. Cost					\$120,000	\$120,000	
5433 HT/Big T Watershed Monitoring		\$0				\$0	
5434 Poudre Watershed Monitoring		\$22,000				\$22,000	
5440 Dues, Publications							\$11,974
5441 Memberships and Publications	\$5,739	\$225	\$100	\$1,230	\$4,680	\$11,974	
5450 Liability Insurance							\$231,000
5451 Insurance, Property, Liability	\$231,000					\$231,000	
5500 - Commodities							\$1,412,034
5510 Supplies							\$150,214
5505 Admin. / Oper. Misc.	\$10,000					\$10,000	
5511 Office Supplies	\$20,100		\$6,884	\$8,058		\$35,042	
5512 Operational Supplies			\$3,000	\$53,300		\$56,300	
5513 Lab Supplies		\$40,150				\$40,150	
5514 Shop Supplies					\$7,424	\$7,424	
5516 Janitorial Supplies				\$1,298		\$1,298	
5520 Treatment Chemicals							\$1,244,150
5521 Coagulants				\$468,000		\$468,000	
5522 Disinfectants				\$175,000		\$175,000	
5523 Corrosion Control				\$292,000		\$292,000	
5524 Pre Treatment (Chlorite)				\$145,000		\$145,000	
5525 Flocc/Filter Aid				\$38,150		\$38,150	
5526 Dewatering Flocculants				\$36,000		\$36,000	
5527 Fluoride				\$70,000		\$70,000	
PAC				\$15,000		\$15,000	
5528 Misc. Chemicals				\$5,000		\$5,000	
5530 Fuel & Oil							\$15,100
5531 Fuel & Oil	\$1,500	\$2,200	\$2,700	\$5,200	\$3,500	\$15,100	
5540 Miscellaneous							\$2,570
5541 Miscellaneous	\$1,700		\$630	\$240		\$2,570	
5600 - Repair & Maintenance							\$742,142
5610 Plant Equipment		\$33,000			\$132,000	\$165,000	
5620 Facilities Repair					\$493,000	\$493,000	
5630 Lab Equipment Maint.		\$30,000				\$30,000	
5640 Vehicles		\$2,142	\$3,000	\$39,000	\$10,000	\$54,142	
Totals	\$800,798	\$441,474	\$537,640	\$3,207,180	\$1,593,343	\$6,580,435	\$6,580,435

Notes

Data Check - \$6,580,435
 % increase over 2024
 Budget = 2.39%

Renewal and Replacement Summary

2020 Actual			2021 Budget		2021 Estimated		2022 Budget			2023 Budget		2024 Proposed		2025 Proposed		2026 Proposed		2027 Proposed		2028 Proposed		2029 Proposed		2030 Proposed		2031 Proposed				
Projects & Proj Number	Cost \$ (2019)	Complete (Y/N)	Projects & Proj Number	Cost \$ (2019)		Complete (Y/N)	Projects & Proj Number	Cost \$ (2019)	Complete (Y/N)	Projects & Proj Number	Cost \$ (2023)	Complete (Y/N)	Projects & Proj Number	Cost \$ (2024)	Projects & Proj Number	Cost \$ (2025)	Projects & Proj Number	Cost \$ (2019)	Projects & Proj Number	Cost \$ (2019)	Projects & Proj Number	Cost \$ (2019)	Projects & Proj Number	Cost \$ (2019)	Projects & Proj Number	Cost \$ (2019)	Projects & Proj Number	Cost \$ (2019)		
Sleeve Valve	\$292,463	Yes	Filter Improvements 1-4 - 0600-04	\$935,714	\$500,000	Yes	Filter Improvements 5-8 - 0600-04	\$700,000	No	Floc Sed Heaters - 1000-13	\$180,000	No	Chlorine Dioxide System - General Upgrade	\$400,000	Backup Power Supply - New Mobil Generator	\$250,000	Compressed Air System Upgrades	\$180,000	Replace Filter Media 9-12	\$547,428	Paint Clearwell Tank 2	\$1,192,113	Replace Filter Media 12-20	\$547,428						
Scrubber	\$269,292	Yes	Floc Sed Heaters - 1000-13	\$700,000		No	Emergency Back Up Generator - 0100-02	\$400,000	No	(50%) Filter Improvements 5-8 - 0600-04	\$700,000	No	Mud Valves - Floc Basin Drains 0400-02	\$32,000	Clearwell Tank 4 - Recoat	\$1,750,000	Yard Valve Repair	\$200,000	Horsetooth Meter Replacement	\$329,510	Soda ash grinders	200,000								
Plant Improvements	\$46,539	Yes	Paint Clearwell Tank 1 - 0900-01	\$360,000	\$800,000	Yes	Compressed Air System Upgrades	\$140,000	No	Emergency Back Up Generator - 0100-02	\$220,000	No	Hydrocarbon Analyzer for Poudre River and new TOC Analyzer	\$95,000			Repair raw water valves	\$610,000	Yard Valve Repair	\$224,907	Soda ask dehumidifier	250,000								
Controls Improvements	\$42,495	Yes	Emergency Back Up Generator - 0100-02		\$200,000	Ongoing	Controls Improvements - PLC Replacement 0100-07	\$120,000	No	Compressed Air System Upgrades	\$180,000	No	Replace Plant MCC	\$568,260																
			Controls Master Plan	\$120,000	\$120,000	Contracted and Ongoing				Controls Improvements - PLC Replacement 0100-07	\$140,000	No	Replace Sedimentation Sludge collectors - Basins 1-4 - Annual Program	\$100,000			Replace Sedimentation Sludge collectors - Basins 1-4 - Annual Program	\$100,001												
													Vehicle replacement - 2 Maint trucks	\$85,000																
										Comprehensive Master Plan	\$500,000	No	NWCWD 20" Meter	\$376,478																
										Replace 195 Gal CLO2 tank with new 800 Gal tank - 0200-09	\$84,000	No	SCADA iFix upgrade	\$280,000																
			\$650,789		\$2,115,714		\$1,620,000			\$1,360,000			\$2,004,000		\$1,936,738		\$2,000,000		\$1,090,001		\$1,101,845		\$1,642,113		\$547,428		\$0		\$0	

O&M Facilities Repair Project List

2020	2020 Budgeted	2020 Actual	Completed (Y/N?)	2021 Budgeted	2021 Estimated	Completed (Y/N?)	2022 Budgeted	Completed (Y/N?)	2023 Budget	2023 Cost	2024 Budget	2025	2026	2027	2028	2029	2030										
Projects				Projects			Projects		Projects		Projects	Projects	Projects	Projects	Projects	Projects	Projects										
Controls Improvements	\$62,400	\$66,220	Yes	Controls Improvements	64,896	64,896	Yes	Coagulant Pump Upgrades - skids	90,000	No	Controls Improvements	\$75,000	PLC Controls Improvements	\$75,000	Replace Infrared/Gas Heaters in Sed Basin	\$40,000	HT 42" Pipe Assessment	83,170	Controls Improvements	82,114	Controls Improvements	85,399	Controls Improvements	85,399	Controls Improvements	88,815	
Plant Intercom	\$59,587		No	Chlorine Hoist	55,597	33,477	Yes	Chlorine Dioxide Pump Upgrades	50,000	No	Surface Wash Pumps 1&2 - 0600-10	\$65,000	Replace House Water PVC Piping - Annual Program	\$30,000	SCADA PLC 7 - Pump Station	\$47,000	HT 36" Pipe Assessment	83,170			Caulk Decant Pond 3	290,000					
Replace Fluoride Feeder	\$51,110		Yes	Water Quality Analyzer	50,000		Yes	Paint Pipes	45,000	No	Backwash Pump 2 - 0600-01	\$65,000			SCADA Network Monitoring	\$91,000	Controls Improvements	78,956									
Sed Basin Wall Repair	\$48,057		No	Paint Pipes	43,264		Yes	Knock Out Wall to Install New Tank - Part of 0200-09 CLO2 project	30,000	No	Paint Pipes	\$25,000	Paint Pipes - Annual Program	\$47,000	Drainage - Grade and Seed Between Tanks 1-4	\$50,000	Replace House Water PVC Piping - Annual Program	30,001	Replace House Water PVC Piping - Annual Program	30,002			Paint building exterior	150,000			
Gate Lighting & Camera	\$40,675	\$6,832	Yes	Floc Chains & Sprockets	33,951	70,600	Yes				Vehicle Replacement	\$46,000			Paint Pipes - Annual Program	\$40,000	Paint Pipes - Annual Program	47,001	Paint Pipes - Annual Program	47,002	Paint Pipes - Annual Program	47,003	Paint Pipes - Annual Program	47,004	Paint Pipes - Annual Program	47,005	
Floc Chains & Sprockets 2	\$36,678	\$32,646	Yes	Filter Valves	32,448		No				Upgrade Filter Consoles - 0100-08	\$50,000	Filter Actuators - Annual program	\$24,400	Replace Backwash Pump 2	\$70,000	Paint Interior Walls	39,000	Paint Interior Walls	39,001	Paint Interior Walls	39,002	Paint Interior Walls	39,003	Paint Interior Walls	39,004	
House Water System	\$31,229	\$12,708	Yes	Filter Actuators	21,632		No				Filter Valves	\$40,000	Replace Green Plastic Airline throughout Plant - Annual Program	\$30,000	Demo old Interconnect Building	\$36,000	Replace Green Plastic Airline throughout Plant - Annual Program	\$30,001	Replace Green Plastic Airline throughout Plant - Annual Program	\$30,002	Replace Green Plastic Airline throughout Plant - Annual Program	\$30,003	Replace Green Plastic Airline throughout Plant - Annual Program	\$30,004	Replace Green Plastic Airline throughout Plant - Annual Program	\$30,005	
Caulk Decant Pond 2	\$20,000		No	Chlorine Dioxide Batch Tank	39,012		No				Surface Wash Pipes	\$36,000			Filter Piping - 1 thru 4 - Rehab and Paint	\$20,000	Surface Wash Flow Meter	22,000									
House Roof	\$19,238	\$19,656	Yes	Surface Wash Piping 1-4	29,266		Yes				Mud Valves - Floc Basin Drains 0400-02	\$35,000	Upgrade Filter Consoles	\$52,967	Replace Surface Wash Pumps 1&2	\$75,000											
				Paint Filter Piping 1-4	20,067		No				Filter Actuators	\$25,000	Replace Redwood Floc Walls - Annual Program	\$30,000	Replace the Surface Water Mag Meter	\$24,000	Replace Redwood Floc Walls - Annual Program	\$30,000	Replace Redwood Floc Walls - Annual Program	\$30,000							
				Dewatering Piping Modifications	10,000		Yes				Surface Wash Flow Meter	\$22,000	Replace filters 1-20 surface wash PVC - Annual Program	\$15,000			Replace filters 1-20 surface wash PVC - Annual Program	\$15,000	Replace filters 1-20 surface wash PVC - Annual Program	\$15,000	Replace filters 1-20 surface wash PVC - Annual Program	\$15,001					
				Replace Fluoride Feeder		39,436	Yes				Office/Control Room upgrades	\$30,000	Filter Air Solenoid Valve replacement program - Annual Program	\$25,000			Filter Air Solenoid Valve replacement program - Annual Program	\$25,001	Filter Air Solenoid Valve replacement program - Annual Program	\$25,001							
				Fencing		50,380	Yes				Sed Basin Wall Repair	\$55,000	Tank 2 - Spot coating repairs	\$16,720													
											Abandon unused Chemical feeds - 0200-02	\$3,000	Yard Butterfly Valve Actuator Replacement - Annual Program	\$200,000			Yard Butterfly Valve Actuator Replacement - Annual Program	\$200,002	Yard Butterfly Valve Actuator Replacement - Annual Program	\$200,003	Yard Butterfly Valve Actuator Replacement - Annual Program	\$200,004					
				Gate Camera		6,832	Yes				Caulk Decant Pond 2	\$20,000															
	\$368,974	\$138,062		400,133	265,621		215,000				\$592,000	\$546,087	\$493,000	683,302	498,125	706,412	351,410	204,829									

Soldier Canyon Water Treatment Authority

FINAL 2025 Budget

Unit Cost

Operations & Maintenance Fund Unit Cost Per 1,000 Gallons	2020 Actual	2021 Actual	2022 Actual	2023 Actual	2024 Budget	2024 Projected	2025 Budget	2026 Budget	2027 Budget	2028 Budget	2029 Budget	2030 Budget	2031 Budget
NWCWD	\$ 0.478	\$ 0.482	\$ 0.517	\$ 0.690	\$ 0.711	\$ 0.609	\$ 0.709	\$ 0.646	\$ 0.645	\$ 0.645	\$ 0.644	\$ 0.644	\$ 0.663
FCLWD	\$ 0.516	\$ 0.537	\$ 0.534	\$ 0.807	\$ 0.695	\$ 0.594	\$ 0.590	\$ 0.752	\$ 0.772	\$ 0.792	\$ 0.813	\$ 0.834	\$ 0.858
ELCO	\$ 0.778	\$ 0.751	\$ 0.654	\$ 0.928	\$ 0.858	\$ 0.739	\$ 0.915	\$ 0.891	\$ 0.902	\$ 0.912	\$ 0.923	\$ 0.934	\$ 0.948

Renewal And Replacement Fund Unit Cost Per 1,000 Gallons	2020 Actual	2021 Actual	2022 Actual	2023 Actual	2024 Budget	2024 Projected	2025 Budget	2026 Budget	2027 Budget	2028 Budget	2029 Budget	2030 Budget	2031 Budget
NWCWD	\$ 0.025	\$ 0.125	\$ 0.195	\$ 0.136	\$ 0.212	\$ 0.212	\$ 0.217	\$ 0.100	\$ 0.098	\$ 0.141	\$ 0.045	\$ -	\$ -
FCLWD	\$ 0.028	\$ 0.144	\$ 0.204	\$ 0.167	\$ 0.206	\$ 0.206	\$ 0.171	\$ 0.122	\$ 0.123	\$ 0.184	\$ 0.061	\$ -	\$ -
ELCO	\$ 0.050	\$ 0.217	\$ 0.263	\$ 0.199	\$ 0.270	\$ 0.270	\$ 0.297	\$ 0.150	\$ 0.149	\$ 0.219	\$ 0.072	\$ -	\$ -