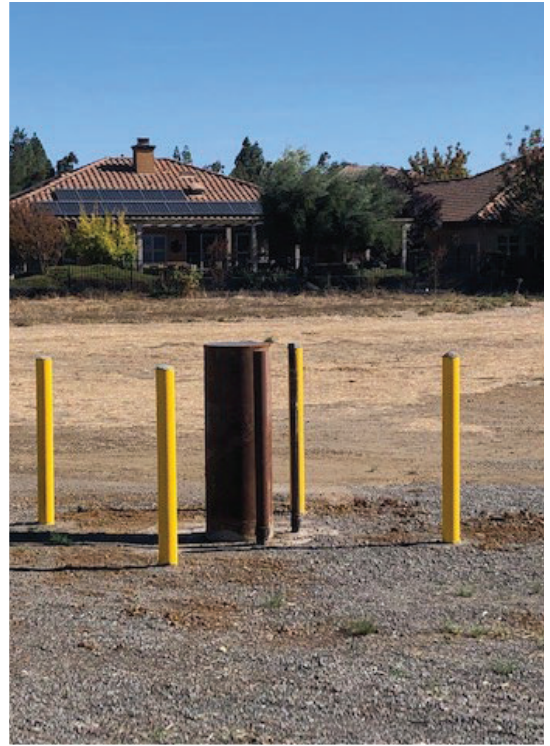


**FINAL**

**FY23-24**

**Wild Wings CSA**

**Water Rate Study Report**



**FEBRUARY 2024**

**Prepared by Luthorff & Scalmanini Consulting Engineers  
Woodland, CA**

**Table 4-1. WILD WINGS WATER SYSTEM - Updated Revenue Projections**  
**Five-year DRAFT Water System Operational Budget - With CIP Implementation/SDWA Compliance Costs**

5-Year Revenue Projection Inflation Adjustment		2.50%	2.50%	2.50%	2.50%
<b>Cost Category-Water Operations &amp; Maintenance (O&amp;M) Costs</b>	<b>FY24-25</b>	<b>FY25-26</b>	<b>FY26-27</b>	<b>FY27-28</b>	<b>FY28-29</b>
<b>Personnel/Staffing Costs</b>					
Admin/Mgmt. - County	\$29,500	\$30,238	\$30,975	\$31,713	\$32,450
Operations-SUSP (with Arsenic Treatment)	\$108,132	\$110,835	\$150,289	\$153,867	\$157,445
<b>Personnel/Staffing Costs - Subtotal</b>	<b>\$137,632</b>	<b>\$141,073</b>	<b>\$181,264</b>	<b>\$185,579</b>	<b>\$189,895</b>
<b>Legal Costs</b>					
Legal Services - County Agency costs	\$15,000	\$15,375	\$15,750	\$16,125	\$16,500
Legal Services - Outside Counsel costs	\$0	\$0	\$0	\$0	\$0
<b>Legal Costs - Subtotal</b>	<b>\$15,000</b>	<b>\$15,375</b>	<b>\$15,750</b>	<b>\$16,125</b>	<b>\$16,500</b>
<b>Direct Costs</b>					
State SWRCB Annual Permit Cost (Annual Fee)	\$3,361	\$3,445	\$3,529	\$3,613	\$3,697
Energy Costs (PG&E) - w/ 15% rate increase projected for 2024	\$75,900	\$77,798	\$79,695	\$81,593	\$83,490
Additional Treatment Costs - Arsenic Treatment (Acid/Caustic)			\$31,980	\$32,780	\$33,599
Chemical Costs (Chlorination, Treatment)	\$5,195	\$5,325	\$5,455	\$5,585	\$5,715
Chemical Costs (Arsenic Filter Media Replacement)					\$70,000
Water Quality Sampling/Analysis	\$9,668	\$9,910	\$10,151	\$10,393	\$10,635
Annual Consumer Confidence Report	\$5,000	\$5,125	\$5,250	\$5,375	\$5,500
Water Facilities Maintenance - ex. meters/valves/hydrants/pipes	\$26,021	\$26,672	\$27,322	\$27,973	\$28,623
Water Meter Reading Costs - reading/billing	\$13,800	\$14,145	\$14,490	\$14,835	\$15,180
Technology - Cell phones/computers/software costs	\$4,465	\$4,577	\$4,688	\$4,800	\$4,912
SCADA/Operations Software-Apps: Maintenance and Upgrades	\$5,000	\$5,125	\$5,250	\$5,375	\$5,500
Insurance (assuming no claims over next five years)	\$0	\$0	\$0	\$0	\$0
<b>Direct Costs - Subtotal</b>	<b>\$148,410</b>	<b>\$152,120</b>	<b>\$187,811</b>	<b>\$192,320</b>	<b>\$266,850</b>
<b>Professional Services</b>					

**Table 4-1. WILD WINGS WATER SYSTEM - Updated Revenue Projections**  
**Five-year DRAFT Water System Operational Budget - With CIP Implementation/SDWA Compliance Costs**

	FY24-25	FY25-26	FY26-27	FY27-28	FY28-29
Planning/Design/Operations/Compliance (Outside Engineering)	\$35,000	\$35,875	\$36,750	\$37,625	\$38,500
<b>Reserve and Contingency</b>					
Water O&M Reserves (2 months of O&M costs, 15%)	\$95,563	\$97,952	\$120,960	\$123,851	\$147,749
<b>Water O&amp;M Costs Sub-total</b>	<b>\$431,605</b>	<b>\$442,395</b>	<b>\$542,534</b>	<b>\$555,501</b>	<b>\$659,494</b>
<b>Cost Category-Water CIP Project Summary</b>	<b>FY24-25</b>	<b>FY25-26</b>	<b>FY26-27</b>	<b>FY27-28</b>	<b>FY28-29</b>
<u>1000 - Paving</u>					
200 - Slurry Coat the Pintail and Canvas Back Sites	\$3,340			\$3,774	
<u>2000 - Structural Repairs</u>					
100 - Misc Building Repairs				\$5,943	
<u>3000 - Site Facilities</u>					
100 - Concrete Slabs for Key Pads	\$3,975				
200 - Concrete - For Coils	\$4,859				
200 - Coils for Key Pads	\$884				
<u>23000 - Mechanical Equipment</u>					
200 - HVAC - Replacement Units at Pintail and Canvas Back		\$7,354			
400 - Solar - 3 Panels and Batteries - 3 Ponds	\$23,180				
<u>28000 - Water System</u>					
124 - Rebuild Control Valves	\$12,063	\$12,063			
130-Install 5 Backflow devices	\$13,402	\$13,402	\$13,402		
214 - Install transducers in all three monitoring wells	\$7,500				
214- Equip all three monitoring wells with sample pumps		\$15,000			
260 - Pintail Well: modify electrical			\$131,250	\$306,250	
262 - Install new Pintail Arsenic Treatment System (Fully funded)	\$1,350,000	\$645,000			
264 - Install new pump and station at Wood Duck (based on DWR grants)	\$541,065	\$451,065	\$0	\$38,500	\$275,000
266 - Efficiency and Performance testing	\$2,000	\$3,000	\$3,075	\$3,152	\$3,231

Table 4-1. WILD WINGS WATER SYSTEM - Updated Revenue Projections Five-year DRAFT Water System Operational Budget - With CIP Implementation/SDWA Compliance Costs					
268 - Replace Packing Seals on Pintail and Canvas Back Pumps		\$4,000			
270 - Replace Jockey Pump at Pintail Pump Station	\$97,500				
272 - Replace four booster pumps		\$62,545	\$62,545	\$62,545	
304 - Water Storage: Recoat the existing storage tank		\$50,000	\$83,091	\$83,091	
308 - Water Storage: Replace Cathodic Protection system at Pintail			\$28,162		
312 - Water Storage: Replace air compressors at Pintail & Canvas Back				\$5,500	
316 - Water Storage: Coating Pintail and Canvas Back Hydro Tanks		\$13,402	\$13,402		
400 - Electrical Panel: Replace 2 Panels		\$243,681	\$243,681	\$487,361	
874 - Water Meters: new meter stand				\$16,500	
880 - Flow Meters: 2 instrumentation, flow meters	\$33,115	\$33,115			
900 - Miscellaneous: Replace 2 MCC Units		\$268,192	\$268,192		
908 - Miscellaneous: Metering Pumps (2)				\$38,500	\$38,500
Water CIP Funding (Services to Obtain Grants & Loans for CIP Projects)	\$25,000	\$20,300	\$25,000	\$13,000	\$0
Water CIP DWR Grant Funding Allocation	(\$1,350,000)	(\$1,400,000)			
Water CIP Reserves (Application of Arsenic Reserves)	(\$470,000)	(\$145,000)	(\$348,000)	\$0	(\$214,500)
Water CIP Reserves (Water Only)	\$0	\$0	(\$316,600)	(860,000)	
Water CIP Project Summary Costs Sub-total	\$297,883	\$297,117	\$207,200	\$204,116	\$102,231
<b>Cost Category-Water System Debt Service</b>	<b>FY24-25</b>	<b>FY25-26</b>	<b>FY26-27</b>	<b>FY27-28</b>	<b>FY28-29</b>
Water System Loan - No current financing	\$0	\$0	\$0	\$0	\$0
<b>Water System Debt Service Sub-total</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
<b>TOTAL WILD WINGS WATER BUDGET (O&amp;M/Capital/Debt Service)</b>	<b>\$729,487</b>	<b>\$739,512</b>	<b>\$749,734</b>	<b>759,617</b>	<b>\$761,725</b>