

# Wild Wings CSA Advisory Committee Meeting Water/Sewer Rate Update Project Presentation

Jacques DeBra and Jason Coleman, LSCE

August 09, 2023



**Luhdorff &  
Scalmanini**  
Consulting Engineers

# Wild Wings CSA 8.09.2023 Advisory Committee Meeting – 2023 Water/Sewer Rate Update Project Item

## MEETING AGENDA ITEMS

### 6. Discussion and Action Items

- A. Report out from Golf Sub-Advisory Committee meeting (Picanso)
- B. Discussion regarding Annual Golf Charge for water and sewer services for fiscal year 22-23 (County)
- C. Update on Wood Duck well site and Arsenic (County)
- D. Presentation of regionalized water feasibility study draft (NV5)
- E. Update on water and wastewater operations (SUSP)
- F. Presentation of water/wastewater fee study – costs to operate and obtain guidance from community (LSCE)
- G. Discussion regarding Energy Efficiency Report for water/wastewater (County)
- H. Update on water bills (County)
- I. Update on CSA financials (County)

# Context: LSCE hired to update 2018 Rate Study

- **LSCE Involved in 2018 Rate Study Project:** Developed revenue projection updates and Water CIP for 2018-2023 period. Last study approved in 2018.
- **AWWA/Industry Standard:** Recommends rate updates at least every years. Revenue projections and rates need to be up to date.
- **Using Currently Available Information:** Analysis of operational and CIP costs in recent years, review of 2021 utility Reserve Reports, other documents on the website. Reflects regulatory compliance actions.

County of Yolo, California

WILD WINGS COUNTY SERVICE AREA

WATER AND WASTEWATER ENGINEER'S FEE REPORT

Fiscal Year 2017-2018

April 10, 2018

Ponticello Enterprises and Consulting Engineers Inc.  
1216 Fortna Avenue  
Woodland, CA 95776  
(530) 668-5883



# Why Is A Rate Study Update Needed?

## **Last Rate Study was completed in 2018**

- industry standard recommends every five years

## **Revenue projections need updating**

- operations and capital projects

## **Adjust for Inflation**

- high CPI/supply chain pricing increases since 2018

## **Capital Improvement Projects**

- address priorities consistent with Reserve Reports

## **Regulatory Impacts**

- Wellhead treatment/wastewater treatment redundancy

## **Maintain adequate reserves**

- For operations and capital

## **Review rates**

- based on updated revenue projections & water demands

## **Set 5-Year Plan**

- 2024 through 2028

## **Project future financial position!**





# Context: Wild Wings CSA

## WILD WINGS CSA



The [Wild Wings County Service Area \(CSA 15\)](#) was established in May of 2004 to provide water and sewer services ([map of the district](#)). The Wild Wings CSA operates the only County-run Wastewater Treatment Plant which is fully self-sustained and complies with mandatory state regulations. The CSA also operates the corresponding Water System. A map of the Wild Wings ponds and drainage system can be found [here](#).

In March 2009, the Wild Wings CSA acquired the [Wild Wings Golf Club](#). The golf course is managed for the CSA by KemperSports, a leader in the golf course management industry with over 30 years of experience. For more information on the

- ABOUT US
- LIVING
- BUSINESS
- GOVERNMENT**
- I WANT TO...

above services. Online tax statements are available [here](#).

The Wild Wings CSA is governed by the [Yolo County Board of Supervisors](#) and the policies and procedures of the County of Yolo (which are available upon request), and is advised by the [Wild Wing CSA Advisory Committee](#). The [Wild Wings CSA Recreation/Golf Advisory Subcommittee](#) advises on golf course activities. Those interested in service on an advisory committee can apply [here](#). Services provided in the Wild Wings CSA are coordinated through the CSA Administrative Support Team which can be reached at [YoloCSA@yolocounty.org](mailto:YoloCSA@yolocounty.org) or (530) 666-8431 for more information concerning the Wild Wings CSA.

Participation on the Wild Wings CSA Advisory Committee is a voluntary basis. There is no compensation for participation

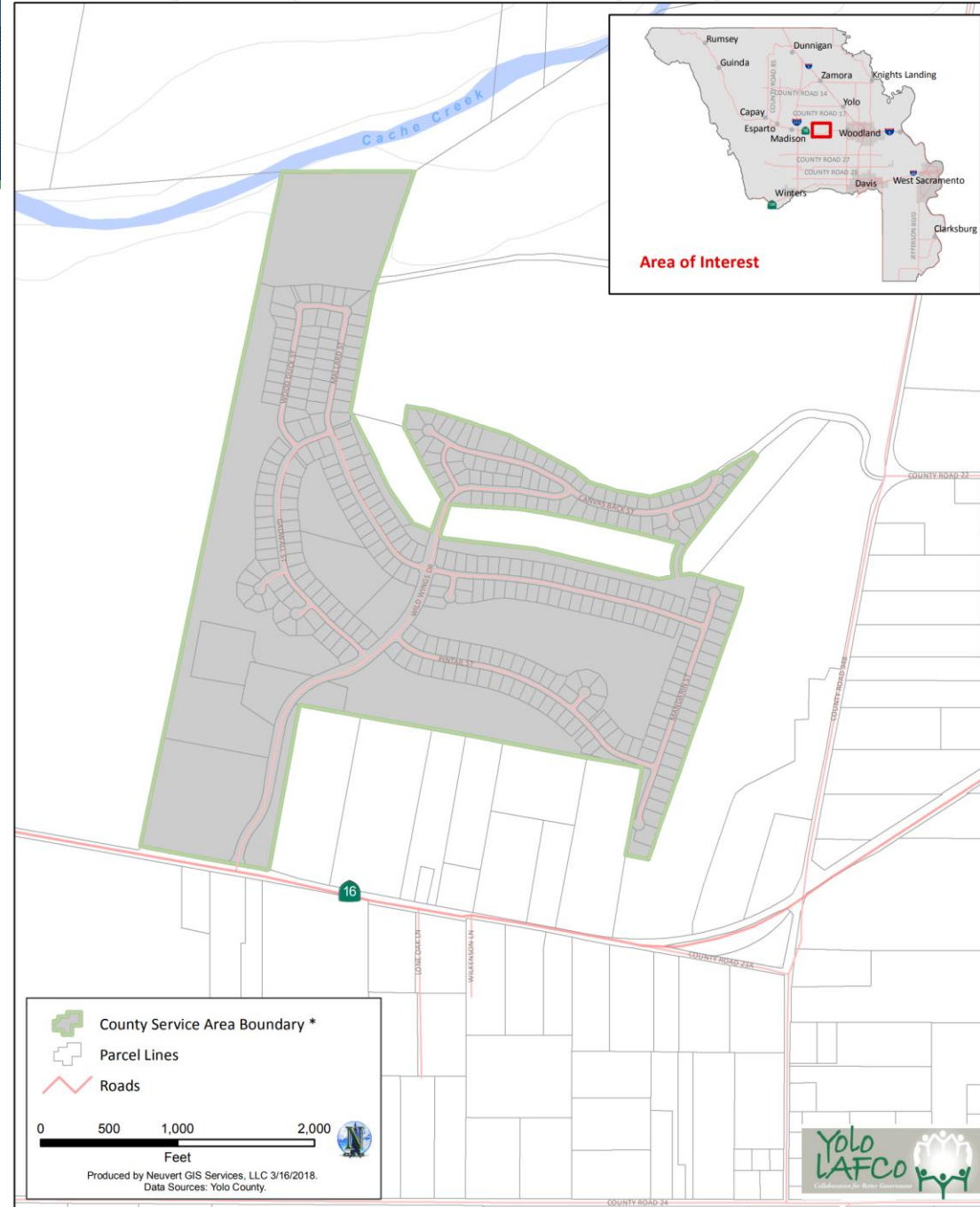
### News & Information

Opt-in to receive emergency notices through [www.Yolo-Alert.org](http://www.Yolo-Alert.org)

- [Wild Wings CSA Newsletter \(Fall 2021\)](#)
- [Wild Wings CSA Newsletter \(Summer 2021\)](#)
- [Wild Wings CSA Newsletter \(Spring 2021\)](#)
- [Wild Wings CSA Newsletter \(Winter 2020\)](#)
- [Wild Wings CSA Newsletter \(Fall 2020\)](#)
- [Wild Wings CSA Newsletter \(Summer 2020\)](#)
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## Wild Wings County Service Area Boundary and Sphere of Influence



\* Sphere of Influence is coterminous with Area boundary



# Wild Wings Utilities

Established in 2004

Accounts

- 338 residential accounts
- 2 commercial accounts (Airport and golf course)

Own and Operate:

- Water utility system
- Wastewater utility system
- Golf Course (reliant on utility systems)

Operational Model

- private contract operations (SUSP)
- County CSA Admin. support – legal/financial

Regulatory Compliance

- Water: Safe Drinking Water Act et al
- Wastewater: Clean Water Act et al
- Other Federal & State requirements

Utility Fees – billed on Yolo County property tax bill



# Wild Wings CSA – Land Use Summary

## Summary of Land Uses

Land Use	Number of Units	Building (SF)	Acres
Single Family	338		85.48
Non-Residential			
• Golf Clubhouse, Cart Barn, Maintenance Building & Parking (Lot I)		4,000	2.97
• Sewer Disposal System/Corp yard (Lot H)			3.72
• Water System Supply/Storage Sites (Lots O and S)			0.55
• Nine Hole Golf Course (Lots C through F)			90.68
• Recreation Area (Lot A)			0.94
• Open Space Pedestrian Access (Lot N)			0.08
• Landscaped Areas (Lots G, Q, R and U)			9.07
• Road Right-of-Ways (Lots P and PP)			26.53
• Emergency Vehicle Access (Lot B)			1.83
Totals – Within CSA	338	4,000	221.85

# Wild Wings CSA – Current Utility Charges Summary

## WILD WINGS CSA CHARGES

The Wild Wings County Services Area (CSA) provides services related to water, sewer and golf course. The CSA is funded by collecting fees for these services which are charged on an annual basis and added to the property tax bill. Online tax statements are available [here](#).

Information on the charges below can be found in the linked documents next to the total for each charge.

Wild Wings CSA Charges		2023-24	
	# of Accts	Annual Charge	Revenue Budgeted
CPI applied to charges in blue		5.3%	
Water Base Rate	338	\$1,130.31	\$382,043
Water Usage (\$0.30/100 gal over 250k)	338	Varies	TBD
Water Treatment Charge (arsenic removal)	338	\$241	\$81,699
<b>Total Water Charge (<a href="#">06-26-18 Prop. 218</a>)</b>		<b>\$1,371.31</b>	<b>\$463,502</b>
Sewer Base Rate	338	\$3,170.44	\$1,071,607
<b>Total Sewer Charge (<a href="#">06-26-18 Prop. 218</a>)</b>			<b>\$1,071,607</b>
Golf Course Rate	338	\$1,838	\$621,487
<b>Total Golf Course Charge (<a href="#">03-10-09 Measure O</a>)</b>			<b>\$621,487</b>
<b>TOTAL CHARGES</b>			<b>\$2,156,597</b>



# Wild Wings 2023 Rate Study Update Project – Upcoming Milestones



August Comm. Mtg.

Review preliminary updated revenue projections (2024-2028 period).

October Comm. Mtg.

Review TM – with updated revenue projections and cost allocation recommendations.

Dec. Comm. Mtg.

Approve Final Rate Study Update Report.



# Developing a Rate Under Proposition 218

1. Update Revenue Projections – July/Aug. 2023
2. Rate Update Technical Memo. – October 2023
  - Identify costs, confirm revenue needs, and develop cost allocation alternatives
  - Update rate methodologies and related information
3. Public Outreach – throughout project implementation period
4. Review of Final Rate Report – Dec. 2023
5. Proposition 218 Notice Distribution – March 2024
6. Notice of Public Hearing mailed – 14 days prior to public hearing
7. Informational Workshop – Spring 2024
8. Public Hearing – Rate Approval – May 2024
9. Fee placed on Assessor's Tax Roll – 8/10/24 (for property tax bill)

# Efforts To Keep Rates As Low As Possible

Awarded DWR grant funds help offset water system costs during 2022-24 period.

## BUDGET

All work associated with the Project must be completed prior to payment of retention. The Grantee is required to maintain all financial documents related to the Project in accordance with Exhibit G (State Audit Document Requirements for Grantees).

Task	Funding Amount	Cost Share: Non-State Fund Source	Total Cost
Task 1 - Project Administration	\$10,000	\$140,000	\$ 150,000
Task 2 - New Well Design and Construction	\$1,760,000	\$140,000	\$1,900,000
Task 3 - Water Treatment Facility	\$1,350,000	\$250,000	\$ 1,600,000
Task 4 - Pintail Well Pump Replacement	\$335,000	\$415,000	\$750,000
Task 5 - Water Meter Replacement	\$200,000	\$0	\$200,000
Task 6 - Consolidation Feasibility Study	\$145,000	\$0	\$145,000
<b>Grand Total</b>	<b>\$3,800,000</b>	<b>\$ 945,000</b>	<b>\$4,745,000</b>



# Project Outreach – 2023 Rate Update Project

## PUBLIC OUTREACH

- Fact Sheet.
- Frequently Asked Questions (FAQ).
- Committee and Board meetings.
- Public workshop.
- Website Updates – Reports, Notices, Meetings, outreach documents.
- Rate Assessment Tools – QR Code Max. Fee Estimate Interactive Map?

To be developed during project implementation period.

# Following Prop. 218 Rate Development Process

## Establish Revenue Needs (Operational and Implementation Costs)

- Revenue needs – Operations and Maintenance
- Revenue needs – Capital Costs
- Five-year Revenue Projections – planning horizon
- Adequate for regulatory compliance
- Meet CSA financial assurance/sustainability goal



## Cost Allocation

- By type – operations vs. implementation
- By User Class – weighted by effort
- By use – weight by water use
- Proportional relative to user costs and service/benefit received

## Proposed Fees/Charges

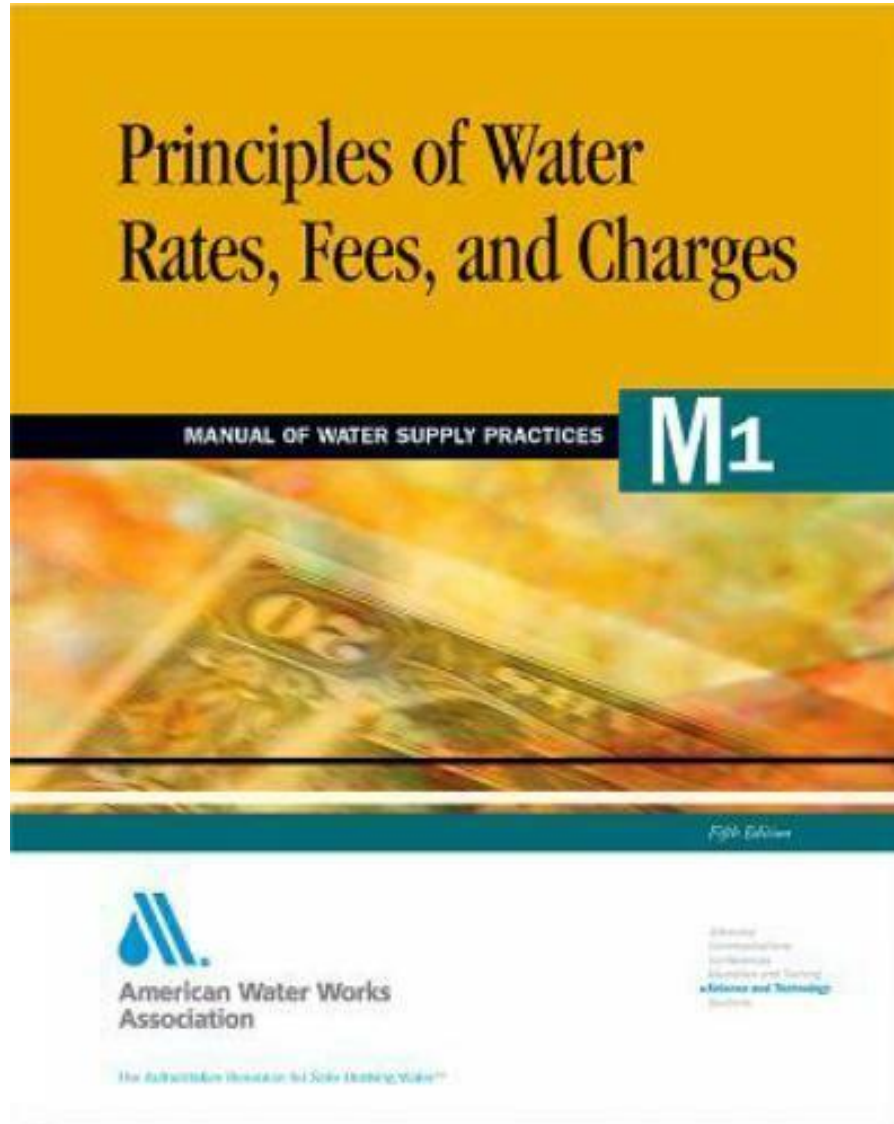
- Public notification
- Stakeholder outreach
- Public hearing and majority protest

# Wild Wings Water System

## – AWWA Rate Setting Principles

Follow standard water industry standards for establishing rates, fees, and charges.

Reasonable  
Equitable  
Nexus between  
fee and benefits.





# Wild Wings Water - Updated Revenue

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	2.5%	2.5%	2.5%	2.5%	2.5%
Cost Category-Water Operations & Maintenance Costs	FY24-25	FY25-26	FY26-27	FY27-28	FY28-29
<b>Personnel/Staffing Costs</b>					
Admin/Mgmt. - County	\$26,500	\$27,163	\$27,825	\$28,488	\$29,150
Operations-SUSP (with Arsenic Treatment)	\$108,132	\$110,835	\$150,289	\$153,867	\$157,445
<b>Legal Costs</b>					
Legal Services - County Agency costs	\$25,000	\$25,625	\$26,250	\$26,875	\$27,500
Legal Services -Outside Counsel costs	\$0	\$0	\$0	\$0	\$0
<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)	\$66,000	\$67,650	\$69,300	\$70,950	\$72,600
Additional Treatment Costs - Arsenic Treatment (Acid/Caustic)				\$31,980	\$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 - if restructured	\$2,500	\$2,500	\$2,500	\$2,500	\$2,500
<b>Professional Services</b>					
Planning/Design/Operations/Compliance (Outside Engineering)	\$50,000	\$51,250	\$52,500	\$53,750	\$55,000
<b>Reserve and Contingency</b>					
Water O&M Reserves (2 months of O&M costs, 15%)	\$0	\$0	\$65,517	\$67,074	\$79,133
<b>Water O&amp;M Costs Sub-total</b>	<b>\$350,642</b>	<b>\$359,346</b>	<b>\$502,296</b>	<b>\$514,231</b>	<b>\$606,688</b>
<b>Cost Category-Water CIP Project Summary</b>					
<b>1000 - Paving</b>					
200 - Slurry Coat the Pintail and Canvas Back Sites	\$3,340			\$3,774	
<b>2000 Structural Repairs</b>					
100 - Misc Building Repairs				\$5,943	
<b>3000 - Site Facilities</b>					
100 - Concrete Slabs for Key Pads	\$3,975				
200 - Concrete - For Coils	\$4,859				
200 - Coils for Key Pads	\$884				
<b>23000 Mechanical Equipment</b>					
200 - HVAC - Replacement Units at Pintail and Canvas Back		\$7,354			
400 - Solar - 3 Panels and Batteries - 3 Ponds	\$23,180				
<b>28000 - Water System</b>					
124 - Rebuild Control Valves	\$12,063	\$12,063			
130 - 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 - Lower Pintail Pump and modify electrical			\$155,000	\$400,000	\$400,000
260 - Install new pump and station at Wood Duck (Partially grant funded)	\$280,000	\$3,195,000	\$1,775,000		
260 - Efficiency and Performance testing	\$2,000	\$3,000	\$3,075	\$3,152	\$3,231
260 - Replace Packing Seals on Pintail and Canvas Back Pumps		\$4,000			
268 - Replace Jockey Pump at Pintail Pump Station	\$97,500				
268 - Install new jockey pump at Canvas Back		\$100,000			
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		
906 - Miscellaneous: Telemetry at Canvas Back Well	\$91,065	\$91,065			
908 - Miscellaneous: Metering Pumps (2)				\$38,500	\$38,500
990 - Miscellaneous: Install Emergency Generator at Canvas Back Well				\$38,500	\$275,000
Water CIP Funding (Services to Obtain Grants & Loans for CIP Projects)	\$25,000	\$25,000	\$15,000	\$15,000	\$15,000
Water CIP Reserves (Application of Arsenic Reserves)	(\$300,000)	(\$663,000)	\$0	\$0	\$0
Water CIP Reserves (Water Only)	\$0	\$0	\$150,000	\$153,750	\$157,594
<b>Water CIP Project Summary Costs Sub-total</b>	<b>\$297,882</b>	<b>\$3,473,817</b>	<b>\$2,810,550</b>	<b>\$1,313,616</b>	<b>\$889,325</b>
<b>Cost Category-Water System Debt Service</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>\$648,524</b>	<b>\$3,833,163</b>	<b>\$3,312,846</b>	<b>\$1,827,847</b>	<b>\$1,496,013</b>

28)

Assuming no additional grant funds for water system needs.

NOTE: Years 2-5 to be revised based on Sept. 2023 bid results for well projects.



# Wild Wings Water System

## – Updated Operations Revenue Projections (2024-2028)

Assuming County Admin. and SUSP private operations continue for reliable water system operations.

**NOTE: Includes only activities to achieve water permit and SDWA requirements.**

Cost Category-Water Operations & Maintenance Costs	FY24-25	FY25-26	FY26-27	FY27-28	FY28-29
<b>Personnel/Staffing Costs</b>					
Admin/Mgmt. - County	\$26,500	\$27,163	\$27,825	\$28,488	\$29,150
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# Wild Wings V – Updated C

Addresses recommended improvements in County Reserve Study Report to address State treatment on-going asset management related costs.

Waiting on Sept. 2023 well improvements bids to finalize.



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# Wild Wings Wastewater System

## – Updated Revenue Projections (2024-2028)

Final revenue projections to address timing for State treatment plant redundancy requirements.

NOTE: updates will be made before finalizing.

WILD WINGS WASTE WATER SYSTEM - Updated Revenue Projections					
Five-Year DRAFT Waste Water System Operational Budget - CIP Implementation/CWA Compliance Costs					
5-Year GSP Implementation Inflation Adjustment		2.50%	2.50%	2.50%	2.50%
Cost Category-Waste Water Operations & Maintenance Costs	FY24-25	FY25-26	FY26-27	FY27-28	FY28-29
<b>Personnel/Staffing Costs</b>					
Admin/Mgmt. - County	\$26,000	\$26,650	\$27,316	\$27,999	\$28,699
Operations-SUSP	\$218,049	\$223,500	\$229,088	\$234,815	\$240,685
<b>Legal Costs</b>					
Legal Services - County Agency costs	\$5,000	\$5,125	\$5,253	\$5,384	\$5,519
Legal Services - Outside Counsel costs	\$21,000	\$21,525	\$22,063	\$22,615	\$23,180
Liability Insurance (Due to HOA Lawsuit)	\$169,853	\$174,099	\$178,452	\$182,913	\$187,486
<b>Direct Costs</b>					
Energy Costs (PG&E & Ramos Oil)	\$59,000	\$60,475	\$61,987	\$63,537	\$65,125
Chemical Costs (Chlorination, Permanganate, Odor Blocks, Other)	\$30,049	\$30,800	\$31,570	\$32,359	\$33,168
Waste Water Quality Sampling/Analysis (Labs, Sampling Equip.)	\$75,780	\$77,675	\$79,616	\$81,607	\$83,647
WWTP Facilities Maintenance (Equip, Pumps, Generators, Sludge Hauling)	\$83,829	\$85,925	\$88,073	\$90,275	\$92,532
Technology (SCADA/programming/cell phones/computers/software costs)	\$45,381	\$46,516	\$47,678	\$48,870	\$50,092
Golf Course Recycled Water Disposal Costs (Pumps, Filters, Piping, Repairs)	\$77,523	\$79,461	\$81,448	\$83,484	\$85,571
Second Train O & M Costs (Start after Construction Complete)	\$0	\$0	\$0	\$130,669	\$133,936
State RWQCB Annual Permit Cost (Annual Fee)	\$24,687	\$25,304	\$25,937	\$26,585	\$27,250
<b>Professional Services</b>					
Project Planning/Design/Operations/Compliance (Outside Engineering)	\$50,000	\$51,250	\$52,531	\$53,845	\$55,191
<b>Reserve and Contingency</b>					
Waste Water O&M Reserves (Industry Standard 2 Months of O&M Costs, 15%)	\$0	\$0	\$0	\$162,744	\$166,812
<b>Waste Water O&amp;M Costs Sub-Total</b>	<b>\$886,151</b>	<b>\$908,305</b>	<b>\$931,012</b>	<b>\$1,247,700</b>	<b>\$1,278,893</b>
<b>Cost Category-Waste Water CIP Project Summary</b>					
Paving (Asphalt Crack Repairs)	\$6,600				
Structural Repairs (Roof Repairs)	\$11,000				
Lined Ponds (HDPE Liner repairs)			\$25,512		
Fencing (WWTP Gate Replacement-due to storm damage)	\$16,500				
Mechanical Equipment (WWTP HVAC Replacement)				\$5,632	
WWTP (Replacement of Equip., Pumps, Blowers, Catwalks, Telemetry)	\$232,243	\$268,023	\$97,750	\$130,512	\$90,774
WWTP (Take Steel Tanks off- line & Paint after construction of Second Train)					\$225,000
Distribution System Infrastructure (Valves, Lift Stations, Piping, etc.)		\$34,000	\$28,000		
Miscellaneous (Safety Equip., Tank Leak Repair, add SCADA for Odor Control)	\$77,000	\$28,028			
Waste Water CIP Funding (Services to Obtain Grants & Loans for Second Train)	\$25,000	\$25,000	\$15,000	\$15,000	\$15,000
Waste Water Reserves (Based on Reserve Study)	\$0	\$0	\$100,000	\$102,500	\$105,063
<b>Waste Water CIP Project Summary Costs Sub-total</b>	<b>\$368,343</b>	<b>\$355,051</b>	<b>\$266,263</b>	<b>\$253,644</b>	<b>\$435,837</b>
<b>Cost Category-Waste Water System Debt Service</b>					
Second Train Loan (\$2.849 M, for 30 yrs., int at 2.1%)	\$0	\$0	\$67,283	\$134,566	\$134,566
<b>Second Train Debt Service Sub-total</b>	<b>\$0</b>	<b>\$0</b>	<b>\$67,283</b>	<b>\$134,566</b>	<b>\$134,566</b>
<b>TOTAL WILD WINGS WASTE WATER BUDGET (O&amp;M/Capital/Debt Service)</b>	<b>\$1,254,494</b>	<b>\$1,263,355</b>	<b>\$1,264,558</b>	<b>\$1,635,910</b>	<b>\$1,849,295</b>



# Wild Wings Wastewater System

## – Updated Operations Revenue Projections (2024-2028)

Cost Category-Waste Water Operations & Maintenance Costs	FY24-25	FY25-26	FY26-27	FY27-28	FY28-29
<b>Personnel/Staffing Costs</b>					
Admin/Mgmt. - County	\$26,000	\$26,650	\$27,316	\$27,999	\$28,699
Operations-SUSP	\$218,049	\$223,500	\$229,088	\$234,815	\$240,685
<b>Legal Costs</b>					
Legal Services - County Agency costs	\$5,000	\$5,125	\$5,253	\$5,384	\$5,519
Legal Services - Outside Counsel costs	\$21,000	\$21,525	\$22,063	\$22,615	\$23,180
Liability Insurance (Due to HOA Lawsuit)	\$169,853	\$174,099	\$178,452	\$182,913	\$187,486
<b>Direct Costs</b>					
Energy Costs (PG&E & Ramos Oil)	\$59,000	\$60,475	\$61,987	\$63,537	\$65,125
Chemical Costs (Chlorination, Permanganate, Odor Blocks, Other)	\$30,049	\$30,800	\$31,570	\$32,359	\$33,168
Waste Water Quality Sampling/Analysis (Labs, Sampling Equip.)	\$75,780	\$77,675	\$79,616	\$81,607	\$83,647
WWTP Facilities Maintenance (Equip, Pumps, Generators, Sludge Hauling)	\$83,829	\$85,925	\$88,073	\$90,275	\$92,532
Technology (SCADA/programming/cell phones/computers/software costs)	\$45,381	\$46,516	\$47,678	\$48,870	\$50,092
Golf Course Recycled Water Disposal Costs (Pumps, Filters, Piping, Repairs)	\$77,523	\$79,461	\$81,448	\$83,484	\$85,571
Second Train O & M Costs (Start after Construction Complete)	\$0	\$0	\$0	\$130,669	\$133,936
State RWQCB Annual Permit Cost (Annual Fee)	\$24,687	\$25,304	\$25,937	\$26,585	\$27,250
<b>Professional Services</b>					
Project Planning/Design/Operations/Compliance (Outside Engineering)	\$50,000	\$51,250	\$52,531	\$53,845	\$55,191
<b>Reserve and Contingency</b>					
Waste Water O&M Reserves (Industry Standard 2 Months of O&M Costs, 15%)	\$0	\$0	\$0	\$162,744	\$166,812
<b>Waste Water O&amp;M Costs Sub-Total</b>	<b>\$886,151</b>	<b>\$908,305</b>	<b>\$931,012</b>	<b>\$1,247,700</b>	<b>\$1,278,893</b>

Assuming County Admin. and SUSP private operations continue for reliable wastewater system operations. Only includes required Permit and CWA requirements.

# Wild Wings Wastewater System

## – Updated CIP Revenue Projections (2024-2028)

Cost Category-Waste Water CIP Project Summary	FY24-25	FY25-26	FY26-27	FY27-28	FY28-29
Paving (Asphalt Crack Repairs)	\$6,600				
Structural Repairs (Roof Repairs)	\$11,000				
Lined Ponds (HDPE Liner repairs)			\$25,512		
Fencing (WWTP Gate Replacement-due to storm damage)	\$16,500				
Mechanical Equipment (WWTP HVAC Replacement)				\$5,632	
WWTP (Replacement of Equip., Pumps, Blowers, Catwalks, Telemetry)	\$232,243	\$268,023	\$97,750	\$130,512	\$90,774
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Waste Water CIP Funding (Services to Obtain Grants & Loans for Second Train)	\$25,000	\$25,000	\$15,000	\$15,000	\$15,000
Waste Water Reserves (Based on Reserve Study)	\$0	\$0	\$100,000	\$102,500	\$105,063
<b>Waste Water CIP Project Summary Costs Sub-total</b>	<b>\$368,343</b>	<b>\$355,051</b>	<b>\$266,263</b>	<b>\$253,644</b>	<b>\$435,837</b>
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Second Train Loan (\$2.849 M, for 30 yrs., int at 2.1%)	\$0	\$0	\$67,283	\$134,566	\$134,566
<b>Second Train Debt Service Sub-total</b>	<b>\$0</b>	<b>\$0</b>	<b>\$67,283</b>	<b>\$134,566</b>	<b>\$134,566</b>
<b>TOTAL WILD WINGS WASTE WATER BUDGET (O&amp;M/Capital/Debt Service)</b>	<b>\$1,254,494</b>	<b>\$1,263,355</b>	<b>\$1,264,558</b>	<b>\$1,635,910</b>	<b>\$1,849,295</b>

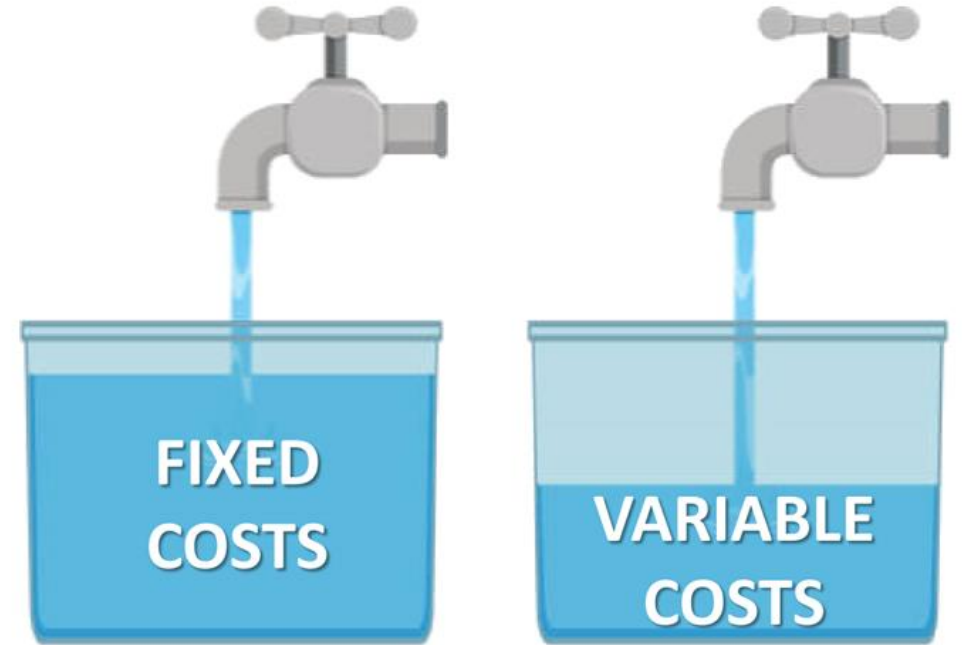
Addresses recommended improvements in County Reserve Study Report to address State treatment and on-going asset management related costs.



# Cost Allocation (Next Step)

## – Allocating Costs To Rates (2024-2028)

Majority of water system costs are fixed.  
Water use declines, most fixed costs stay the same.  
Rates structured to collect adequate revenues for reliable operations.  
Equitable distribution of expenses – everyone pays their proportionate share of system costs.



# Wild Wings CSA – 2023 Rate Update Project

**QUESTIONS?**