

HERITAGE RANCH

# WATER RESOURCE RECOVERY FACILITY PROJECT



Public Meeting | December 8, 2022

# AGENDA



01

CURRENT FACILITY

02

CHALLENGES

03

LONG-TERM SOLUTION

04

PROJECT COSTS & FUNDING

05

NEXT STEPS

# PROJECT TEAM



**SCOTT DUFFIELD**  
General Manager  
*HRCSD*



**DYLAN WADE**  
Project Manager  
*WSC*



**HAILI MATSUKAWA**  
Facilitator  
*WSC*

# 01 ABOUT THE CURRENT FACILITY



The Heritage Ranch Community Services District provides water and sewer services to the Heritage Ranch community including businesses and residents alike.

*The Heritage Ranch CSD  
Wastewater Treatment  
Plant was originally built in*

**1978**

## ABOUT THE CURRENT FACILITY

The Plant operates...

**24** HOURS A DAY

**7** DAYS A WEEK

*supporting public health and  
protecting local water quality.*

*Currently, the facility  
treats approximately*  
**200,000** GALLONS  
*of water a day.*

## ABOUT THE CURRENT FACILITY



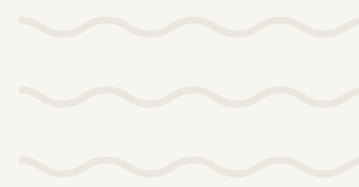
Wastewater from the community's homes and businesses travels through a system of sewer gravity mains and several lift stations to the wastewater treatment plant



The treatment plant provides secondary treatment through a lagoon/ponding system with a permitted capacity of 0.4 million gallons per day (MGD).



Treated wastewater is then discharged into a drainage channel that is a tributary to the Naciminto River.



02

# WHAT'S THE ISSUE?

New State regulations call for substantial improvements to the Heritage Ranch wastewater treatment facility.



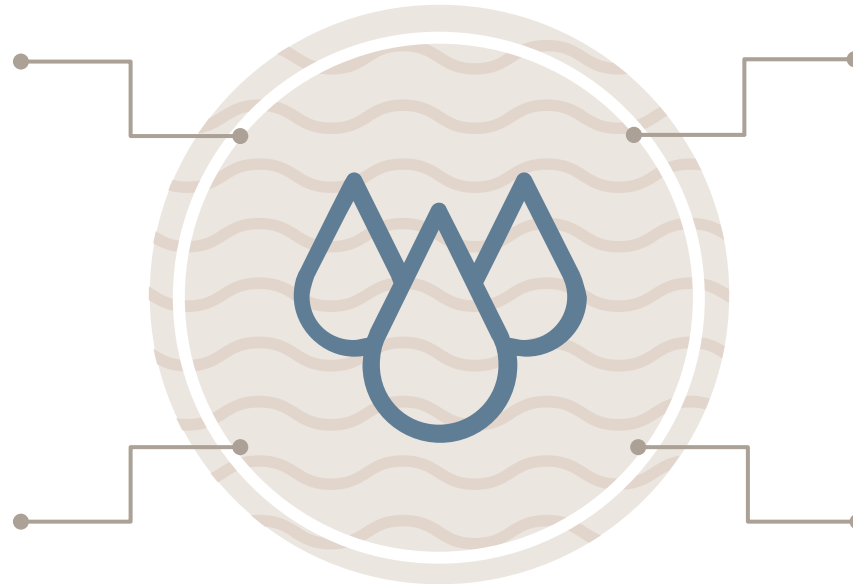
# WHAT'S THE ISSUE?

## REQUIREMENTS

The Central Coast Water Board (CCRWQCB) modified the requirements of the Heritage Ranch National Pollution Discharge Elimination Permit to be more stringent

## NOT ABLE TO COMPLY

The CCRWQCB evaluated the District's wastewater treatment facility and found it not in compliance water quality requirements.



## WATER QUALITY

Specifically, Heritage Ranch's wastewater effluent has been shown to contain copper & ammonia.

## NEW FACILITY

Despite operational attempts to bring the facility up to consistent compliance, it's been determined a new facility is required.



# PROJECT TIMELINE



2017-2020



2020



2021-2023



## Upgrades to Existing Facility

The District explored several options to update the existing facility to meet new regulatory requirements.

## Alternatives Analysis

The comprehensive Alternatives Analysis was conducted to better understand the limitations of the plant. Results concluded a new facility was needed to meet existing and future needs.

## Water Resource Recovery Facility Planning & Design

The District is working with a specialized engineering firm to design and permit the new facility.



# 03

## LONG-TERM SOLUTION

The District is proposing to build a new Water Resource Recovery Facility that is compliant with the new State Regulations



HERITAGE RANCH COMMUNITY SERVICES DISTRICT

## Water Resource Recovery Facility Program Charter

### VISION

Provide cost-effective, adaptable wastewater treatment that achieves reliable compliance and sustainably meets the long-term needs of the community and environment.

### MISSION

Deliver a new Water Resource Recovery Facility that exceeds regulatory requirements and positions the District to maximize the beneficial use of recycled water.

### GUIDING PRINCIPALS

- Communicate openly and clearly
- Commit to transparency
- Consider the impacts on diverse stakeholders
- Inform and educate the community
- Act as responsible stewards of ratepayers' interests
- Earn public trust and support
- Maintain professional relationships based on honesty and mutual respect
- Listen to understand
- Be open-minded to different perspectives and new ideas
- Make informed decisions
- Remain present and engaged

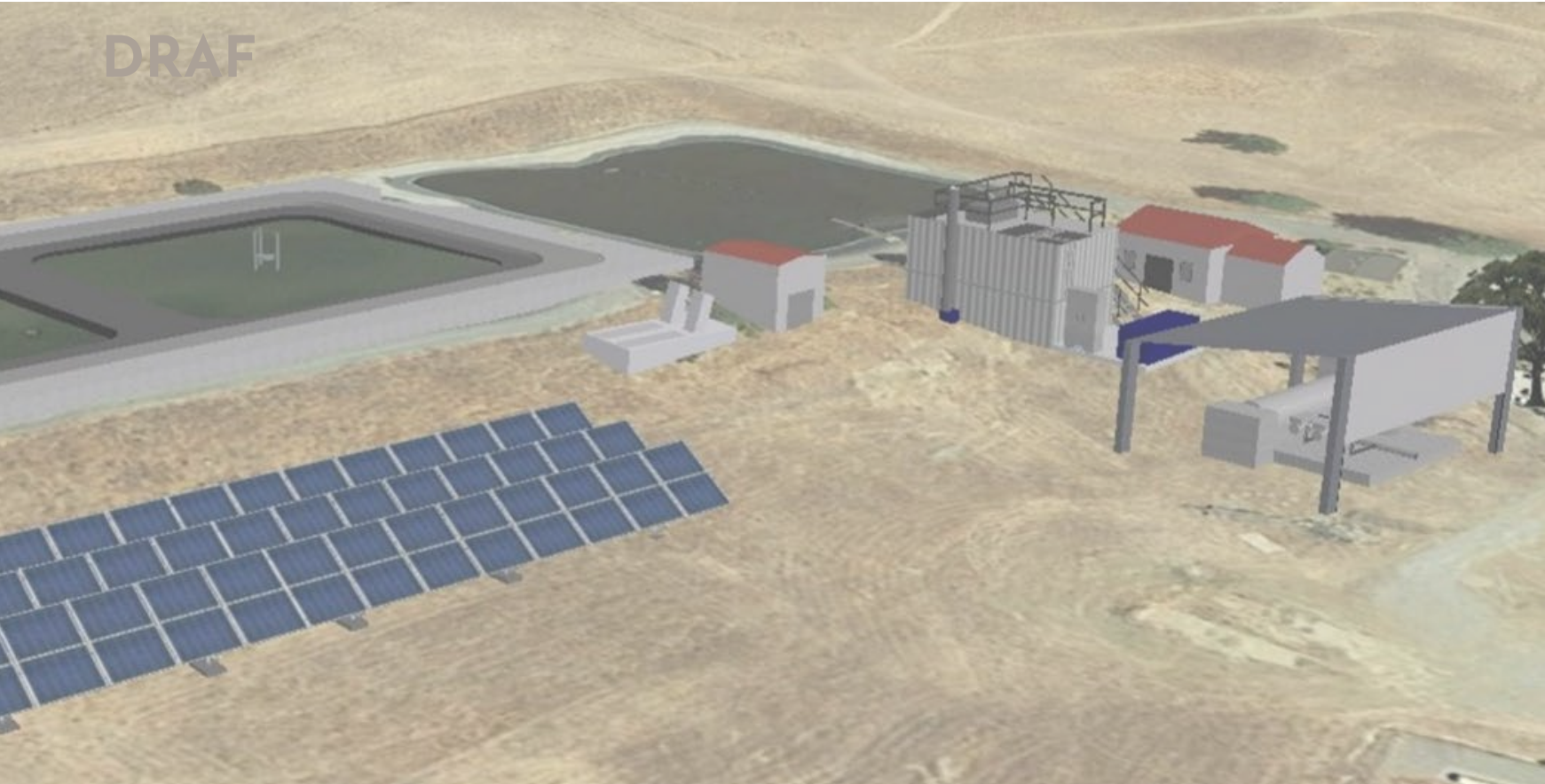
### PERFORMANCE MEASURES

- Maximize the value of the ratepayers' investment
- Design a facility that is adaptable, easy to maintain and operate
- Implement cost-effective solutions
- Leverage appropriate technologies
- Promote production of recycled water
- Deliver a project that is supported by the community
- Design a robust process that provides consistent regulatory compliance
- Build a facility we are proud of

# OUR COMMITMENT TO YOU

“Provide cost-effective, adaptable wastewater treatment that achieves reliable compliance and sustainably meets the long-term needs of the community and environment.”

# WATER RESOURCE RECOVERY FACILITY



## LONG-TERM SOLUTION

Deliver a new Water Resource Recovery Facility that exceeds regulatory requirements



# BENEFITS

The new Water Resource Recovery Facility will provide the Heritage Ranch community with:

## COMPLIANCE

The new facility will meet current and future Federal and State discharge requirements.

## ENVIRONMENTAL PROTECTION

The project will improve water quality which will both protect the Nacimiento River and surrounding habitat.

## RELIABLE SERVICES

The existing wastewater plant is over 50 years old. Investing in new infrastructure will ensure reliable services for decades to come.

## FUTURE REUSE

The state-of-the-art treatment process will position the District for future recycled water and reuse

# PROJECT TIMELINE



ONGOING



2024-2025



2026

## Community Outreach and Project Funding

The District is working diligently to secure grant funding to offset the project costs and limit the impact to customers.

## Construction of New WRRF

Construction of the Water Resource Recovery Facility is expected to begin in 2024.

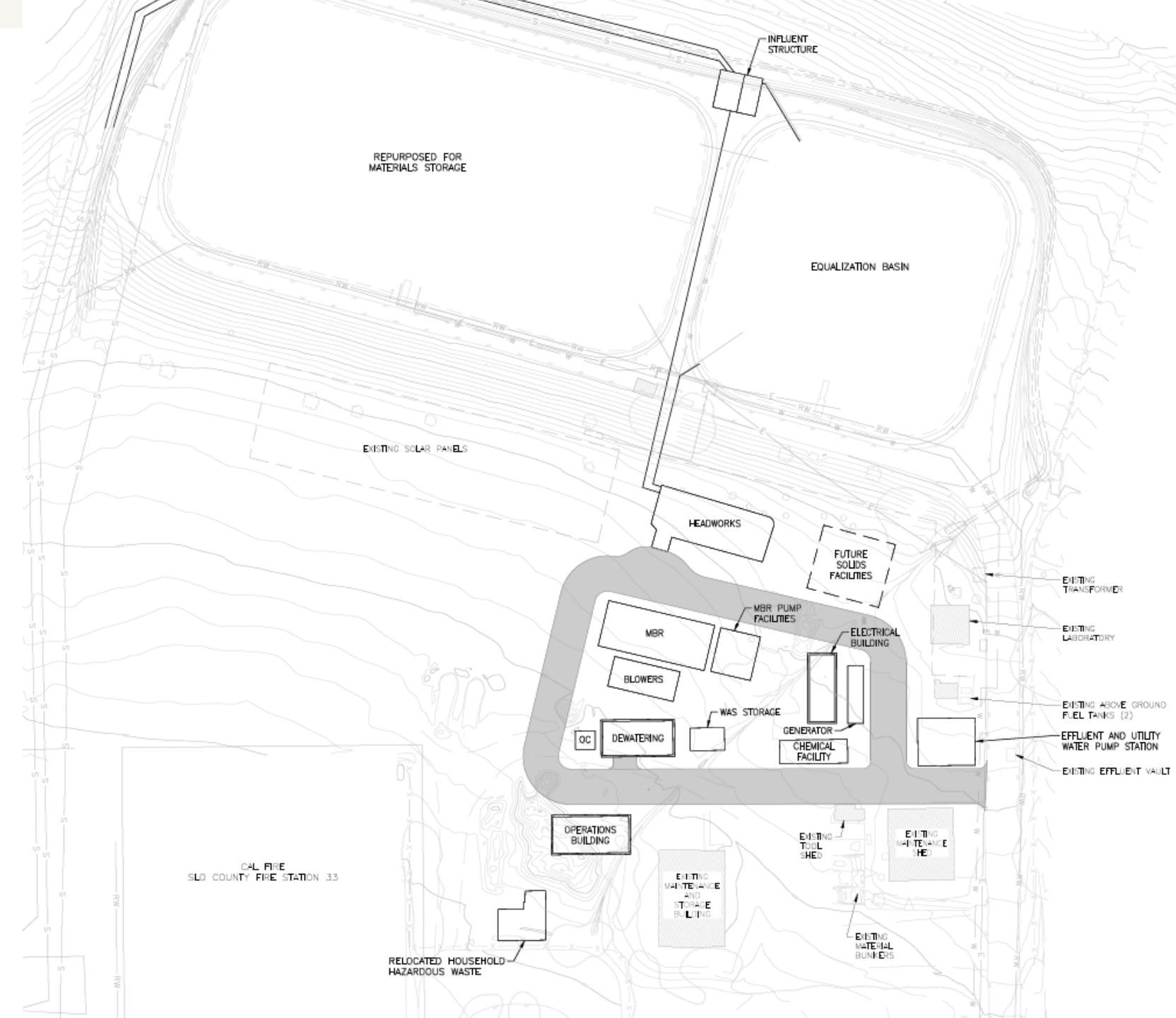
## WRRF Start-up

Water Resource Recovery Facility is expected to be fully operational in 2026.

04

# COST & FUNDING

This critical project requires significant investment from the Heritage Ranch community



# PROJECT COSTS

- Membrane Bioreactor
- Influent Pump Station
- Equalization Basin
- Piping
- Electrical
- Headworks
- Sludge Dewatering System
- Chemical Facility
- Effluent Pump Station
- Chemical Facility
- Operations Building
- Site Work
- Demolition
- Admin, Engineering, Construction Management

**TOTAL: \$24 MILLION**



# FUNDING & FINANCING

## How will the project be paid for?

- Cash Reserves
- Customer Rates
- Low Interest Loans
- State and Federal Grants



**United States  
Department of  
Agriculture**

The District is actively pursuing State and Federal funding to offset project costs and limit impacts on customers

### Water Resource Recovery Facility Project Fund

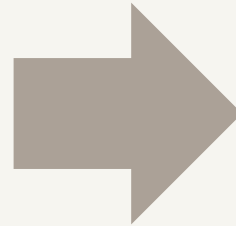
Description	Projected									
	FY 22-23	FY 23-24	FY 24-25	FY 25-26	FY 26-27	FY 27-28	FY 28-29	FY 29-30	FY 30-31	FY 31-32
<b>Sources and Uses of Funds</b>										
Beginning Year Balance	\$0	\$0	\$7,470,996	\$6,876,409	\$2,081,085	\$2,102,000	\$2,123,126	\$2,144,464	\$2,166,016	\$2,187,785
District Cash Reserves	904,800	645,200	-	-	-	-	-	-	-	-
Interim Loan #1	-	11,000,000	-	-	-	-	-	-	-	-
Interim Loan #2	-	-	13,000,000	-	-	-	-	-	-	-
Water Resource Recovery Facility	(904,800)	(4,211,559)	(13,666,324)	(4,840,111)	-	-	-	-	-	-
Interest Income (1% percent)	-	37,355	71,737	44,787	20,915	21,126	21,338	21,552	21,769	21,988
<b>Total Project Fund Balance</b>	<b>\$0</b>	<b>\$7,470,996</b>	<b>\$6,876,409</b>	<b>\$2,081,085</b>	<b>\$2,102,000</b>	<b>\$2,123,126</b>	<b>\$2,144,464</b>	<b>\$2,166,016</b>	<b>\$2,187,785</b>	<b>\$2,209,773</b>

## PROPOSED RATE ADJUSTMENTS

Significant investment is needed to deliver the Water Resource Recovery Facility, meet regulatory compliance, and provide long-term reliable services

**\$35.75**

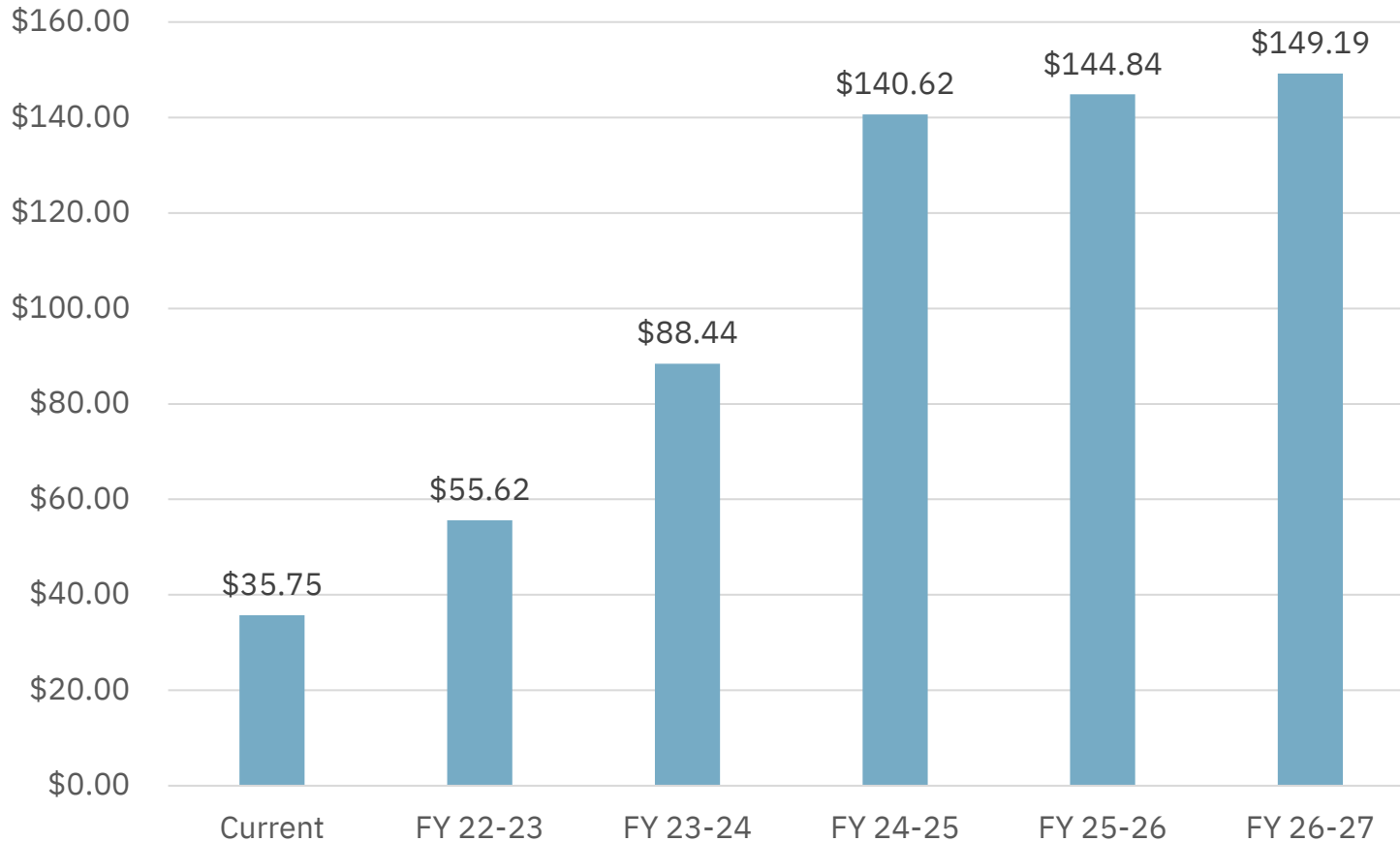
Current Wastewater Bill



**\$55.62**

Proposed wastewater bill  
Beginning April 2023

# MONTHLY WASTEWATER BILL FOR HOUSEHOLDS



## 5-YEAR OUTLOOK

- 59% increase in revenue for the first 3 years (FY 22-25)
- 3% increase for the last 2 years (FY25-27)
- Proposed increase will be reduced based on grant funding

05



**NEXT  
STEPS**



# JOIN US AT ONE OF THESE PUBLIC FORUMS

We want to hear from you and answer your questions and concerns.



## HRCSD BOARD MEETING

December 15, 2022  
4870 Heritage Road

## COMMUNITY TOWN HALL

February 2023

## NEW RATES IMPLEMENTED

April 1, 2023



## COMMUNITY MEETING

December 8, 2022 | 6pm  
4870 Heritage Road

## PUBLIC NOTICE

January 10, 2023

## PUBLIC HEARING FOR RATES CHANGE

March 2, 2023



# CONTACT US

To learn more, visit  
and follow us at:

[HeritageRanchCSD.ca.gov/  
water-resource-recovery-facility](https://HeritageRanchCSD.ca.gov/water-resource-recovery-facility)



# FREQUENTLY ASKED QUESTIONS

**What are the consequences for not meeting discharge requirements?**

**What project alternatives have been considered?**

**Why are rate increases needed?**