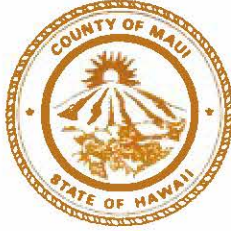


RICHARD T. BISSEN, JR.
Mayor
SHAYNE R. AGAWA, P.E.
Director
ROBERT SCHMIDT
Deputy Director
MICHAEL KEHANO, P.E.
Solid Waste Division
ERIC A. NAKAGAWA, P.E.
Wastewater Reclamation Division

Environmental Protection &
Sustainability Division



COUNTY OF MAUI
DEPARTMENT OF
ENVIRONMENTAL MANAGEMENT
2145 KAOHU STREET, SUITE 102
WAILUKU, MAUI, HAWAII 96793

October 3, 2024

Honorable Richard T. Bissen, Jr.
Mayor, County of Maui
200 South High Street
Wailuku, HI 96793

For Transmittal to:

Honorable Tasha Kama, Chair
Housing and Land Use Committee
200 South High Street,
Wailuku, HI 96793

Dear Councilmember Kama:

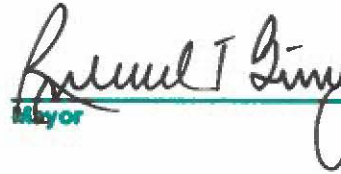
SUBJECT: HOUSING SOLUTIONS (HLU-3(21))

In response to your request for information dated October 1, 2024, your request and the corresponding answers are provided below by the Department of Environmental Management (DEM).

May I please request you provide the following:

- 1. A list of your Department's prioritized projects to increase R-1 water availability in the County, including a map depicting the locations of the referenced projects.**
See attached table and maps.
- 2. A list of your Department's prioritized projects to develop wastewater infrastructure for housing, including a map depicting the location of the referenced projects.**
See attached table and maps.

APPROVED FOR TRANSMITTAL


Mayor **10-6-24**
Date

Honorable Tasha Kama
October 3, 2024
Page 2 of 2

Thank you for the opportunity to provide you with information on this matter. Should you have any questions or concerns, please feel free to forward them to the Department of Environmental Management via transmittal through the Office of the Mayor.

Sincerely,



Digitally signed by Shayne R. Agawa, P.E.
DN: cn=Shayne R. Agawa, P.E., o=County
of Maui, ou=Director of Environmental
Management,
email=shayne.agawa@co.maui.hi.us, c=US
Date: 2024.10.03 12:23:23 -10'00'

SHAYNE R. AGAWA, P.E.
Director of Environmental Management

WASTEWATER RECLAMATION DIVISION PROPOSED SIX YEAR CIP PLAN COSTS (FY 2024)

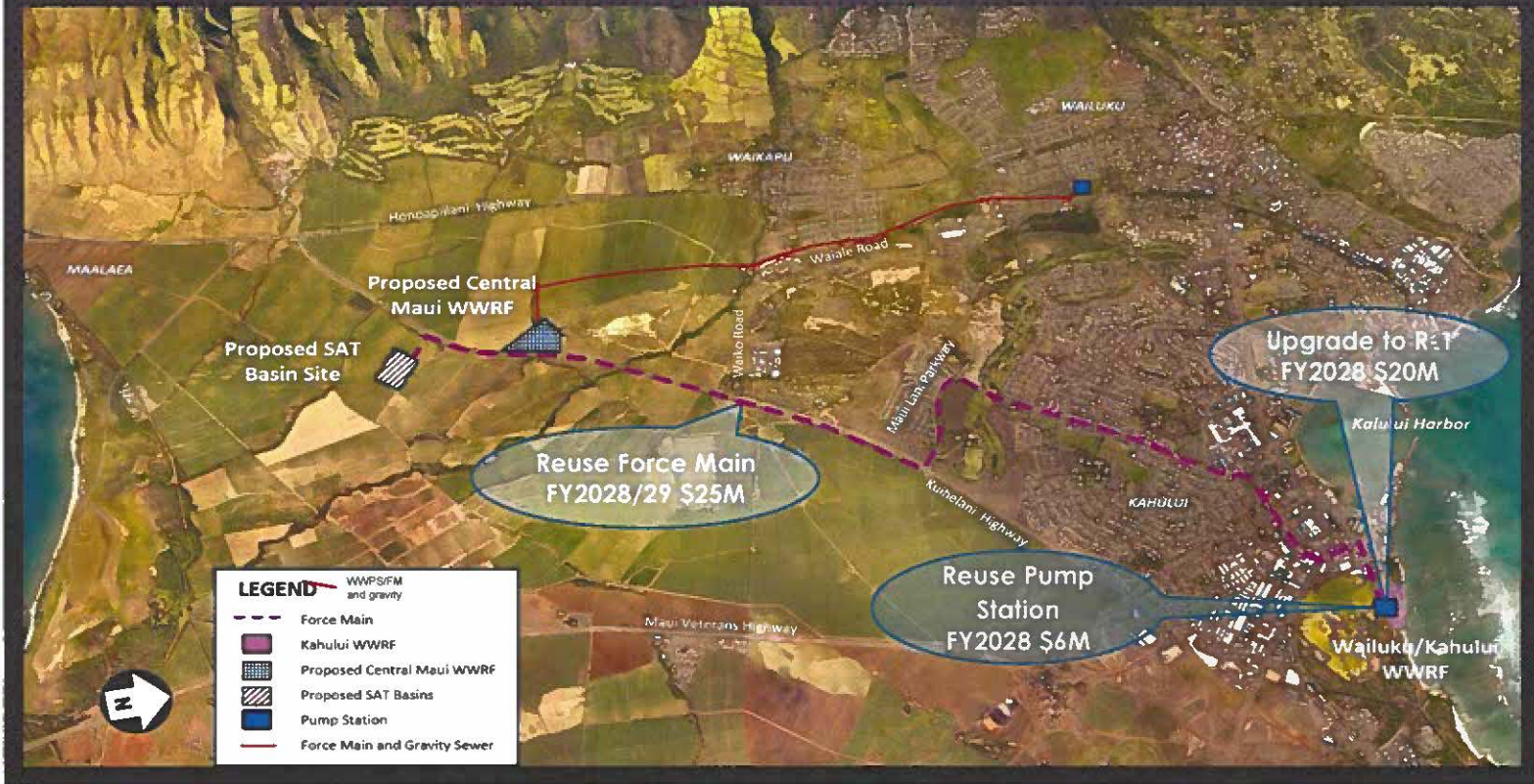
Priority	CBS No.	AT	FT	PROJECT	FISCAL YEAR												
					2024	2025	2026	2027	2028	2029							
KIHEI - MAKENA					Subtotal	1,000,000	8%	10,500,000	64%	7,400,000	88%	5,000,000	6%	10,200,000	9%	-	
3	CBS-2321	1	6	North Kihei Mauka Transmission System			6,000,000	(C) b	6,000,000	(C) b	5,000,000	(C) b					
3	CBS-6082	1	6	South Kihei Capacity Sewer Upgrades			400,000	(PER) c					1,200,000	(D) c			
5	CBS-5032	1	4	Kaiola Place Sewer Extension	1,000,000	(C) b											
4	CBS-5030	1	5	Liloa Drive Recycled Water Distribution Line			4,000,000	(C) b									
5	CBS-1166	1	5	South Maui Reuse Distribution System Expansion (Wailea)			500,000	(PER/D) c									
4	CBS-5521	1	5	North Kihei Reuse Distribution System Expansion					1,000,000	(D) c			9,000,000	(D) c			
WAILUKU-KAHULUI					Subtotal			4,500,000	27%			66,100,000	76%	92,800,000	79%	16,000,000	75%
5	CBS-1158	1	4	Waiko Road Subdivision Sewer System			2,500,000	(C) s									
5	CBS-3204	1	4	Upper Waiko Road Sewer Extension			2,000,000	(C) c									
5	CBS-3205	1	4	Old Wailuku Heights Sewer System							300,000	(D/PER) c			6,000,000	(C) s	
2	CBS-1171	3	5	Wailuku-Kahului Recycled Water Force Main									15,000,000	(C) s	10,000,000	(C) s	
2	CBS-5034	3	5	Wailuku-Kahului Recycled Water Pump Station									6,000,000	(C) s			
4	CBS-1169	5	5	Wailuku-Kahului WWRF R-1 Upgrade									1,800,000	(D) c			
4	CBS-3206	3	6	Central Maui Regional WWRF (Waikapu) <i>(state matching fund grant)</i>							20,000,000	(C) b	70,000,000	(C) b			
4	CBS-6083	2	6	Kehalani Pump Station							20,000,000	(C) o					
4	CBS-6084	1	6	Kehalani Force Main/Gravity Sewer							9,000,000	(C) b					
											16,800,000	(C) b					
WEST MAUI					Subtotal	10,850,000	92%	400,000	2%	1,000,000	12%	15,800,000	18%	3,400,000	3%	5,200,000	25%
2	CBS-3576	3	5	Lahaina WWRF R-1 Process Expansion	1,350,000	(D) b											
2	CBS-1124	1	5	West Maui Recycled Water Expansion													
5	CBS-1968	1	5	Honoapiilani Highway Lateral Installation													
2	CBS-1952	1	5	Kaanapali Resort R-1 Water Distribution System Expansion	8,500,000	(C) s											
1	CBS-1952	1	5	Kaanapali Resort R-1 Water Distribution System Expansion	150,000	(D) c											
2	CBS-1954	1	5	Honokowai R-1 Distribution System Expansion			400,000	(D) c			4,300,000	(C) s					
4	CBS-6080	1	5	Lahaina Recycled Water Force Main Construction/Rehabilitation	850,000	(D) c					11,500,000	(C) s					
4	CBS-6648	1	5	Lahaina Siphon and Ditch Distribution					1,000,000	(D) c			3,400,000	(C) b	5,200,000	(C) b	
LANAI					Subtotal			1,000,000	6%				10,000,000	9%			
2	CBS-4591	5	6	Lanai WWRF Facility Plan (Capacity Expansion)			1,000,000	(D) c					10,000,000	(C) b			
MAKAWAO-PUKALANI-KULA					Subtotal								250,000	0%			
5	CBS-5038	5	4	Makawao Sewer System									250,000	(S) c			
HANA					Subtotal								200,000	0%			
5	CBS-5039	5	4	Central Hana Sewer System									200,000	(S) c			
TOTAL						\$ 11,850,000		\$ 16,400,000		\$ 8,400,000		\$ 86,900,000		\$ 116,850,000		\$ 21,200,000	

Printed: 10/2/2024

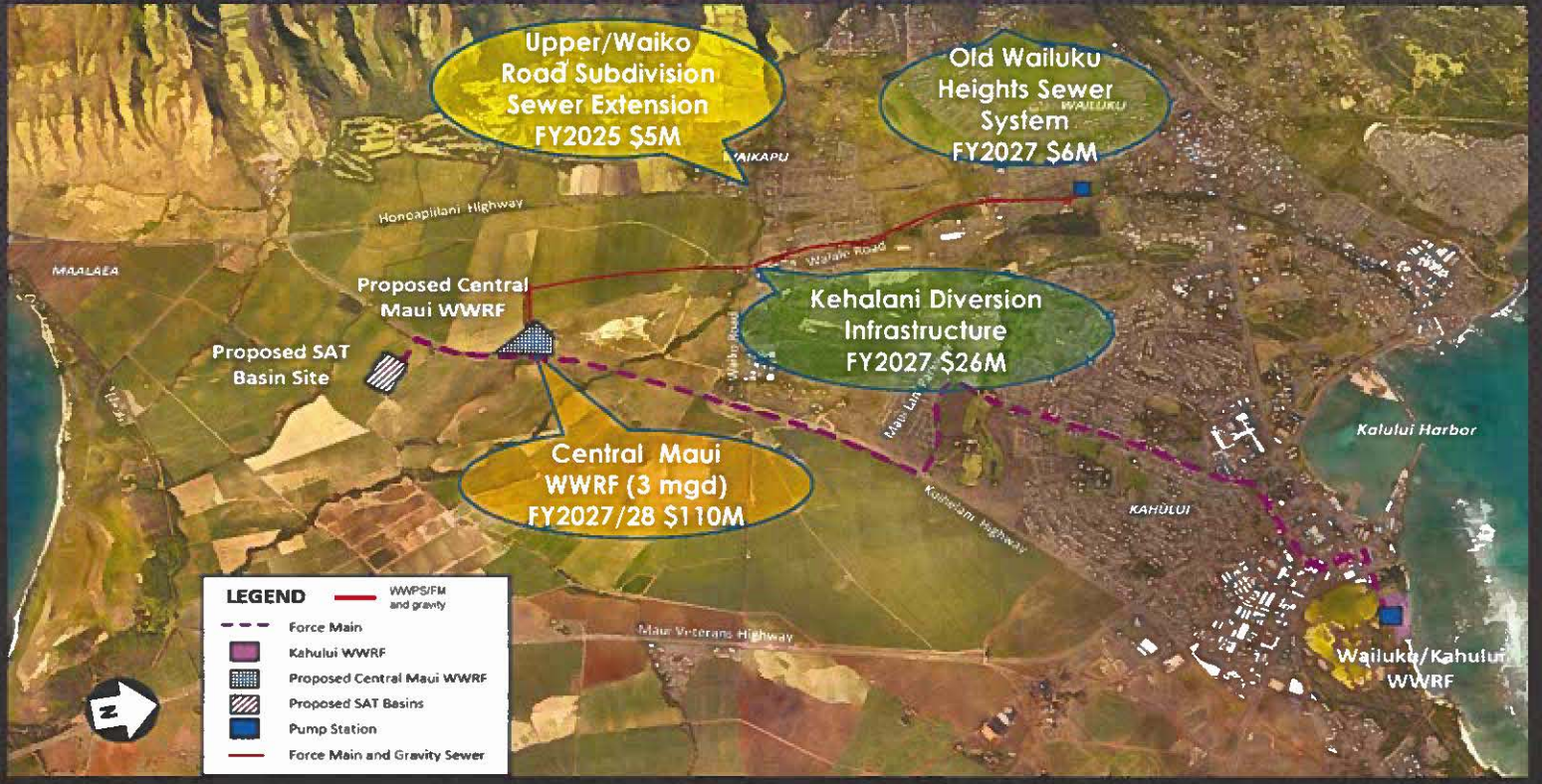
LEGEND: Project Type: (S) - Study (PER) - Project Engineering Report (D) - Design (C) - Construction (L) - Land Acquisition/Entitlements AT - Asset Type
 Funding Type: s - SRF Loan b - Bond c - Cash o - Other (Grant, CoA Deposit etc.) g - General Fund FT - Funding Type

- 1. Does It Work? / 2. Is it Safe?
- 3. Is it Reliable?
- 4. Expansion of Services/Efficiency
- 5. Reclaimed Water Facilities
- 6. General Plan Growth Needs
- 7. Agency Requirement

CENTRAL MAUI REUSE EXPANSION



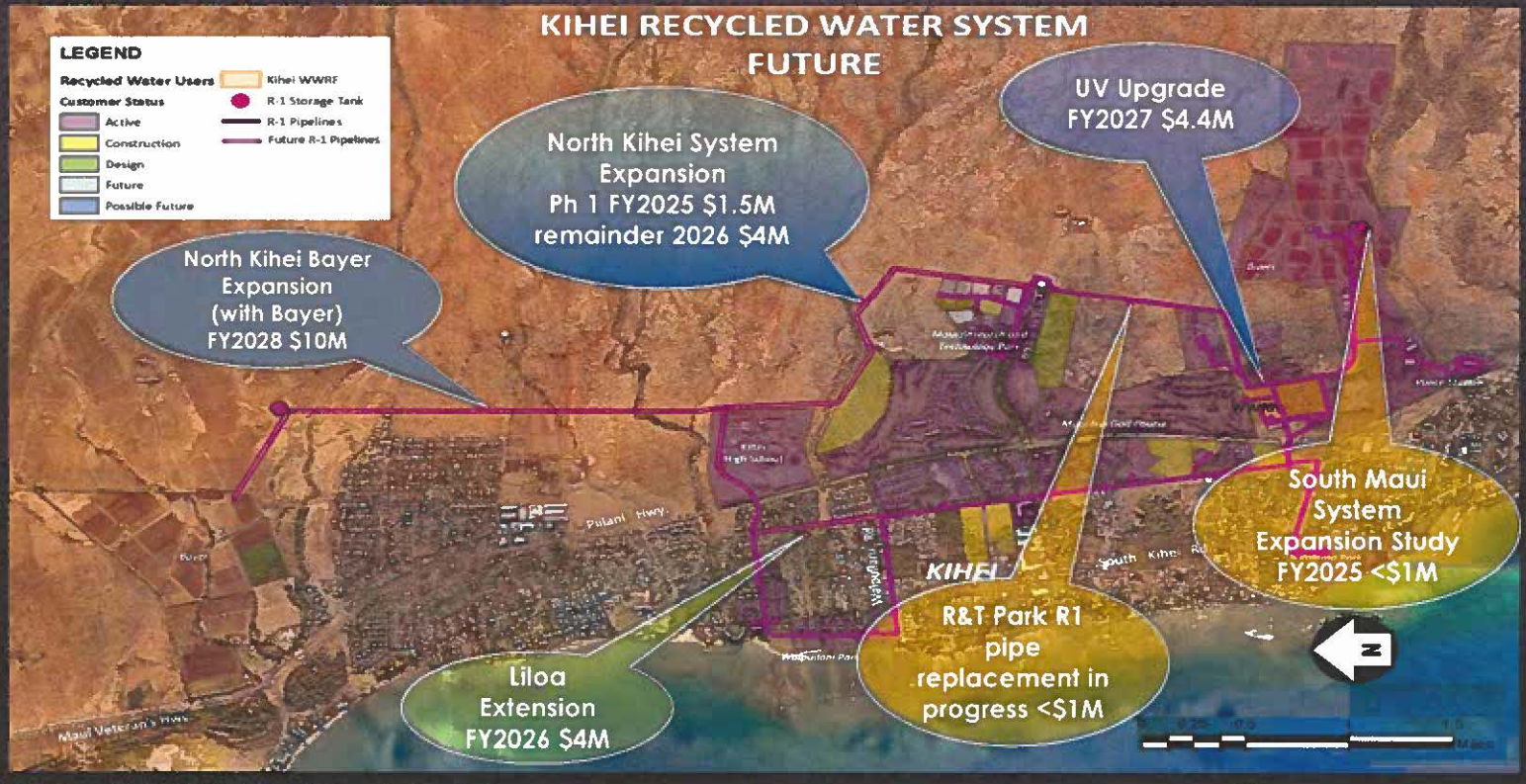
CENTRAL MAUI SEWER EXPANSION



SOUTH MAUI REUSE EXPANSION

KIHEI RECYCLED WATER SYSTEM FUTURE

LEGEND	
Recycled Water Users	Kihei WWRF
Customer Status	R-1 Storage Tank
Active	R-1 Pipelines
Construction	Future R-1 Pipelines
Design	
Future	
Possible Future	



SOUTH MAUI SEWER EXPANSION

North Kihei Mauka
Transmission System
FY2025-27 \$17M

South Kihei Capacity
Sewer Upgrades
FY2026-30 \$14M

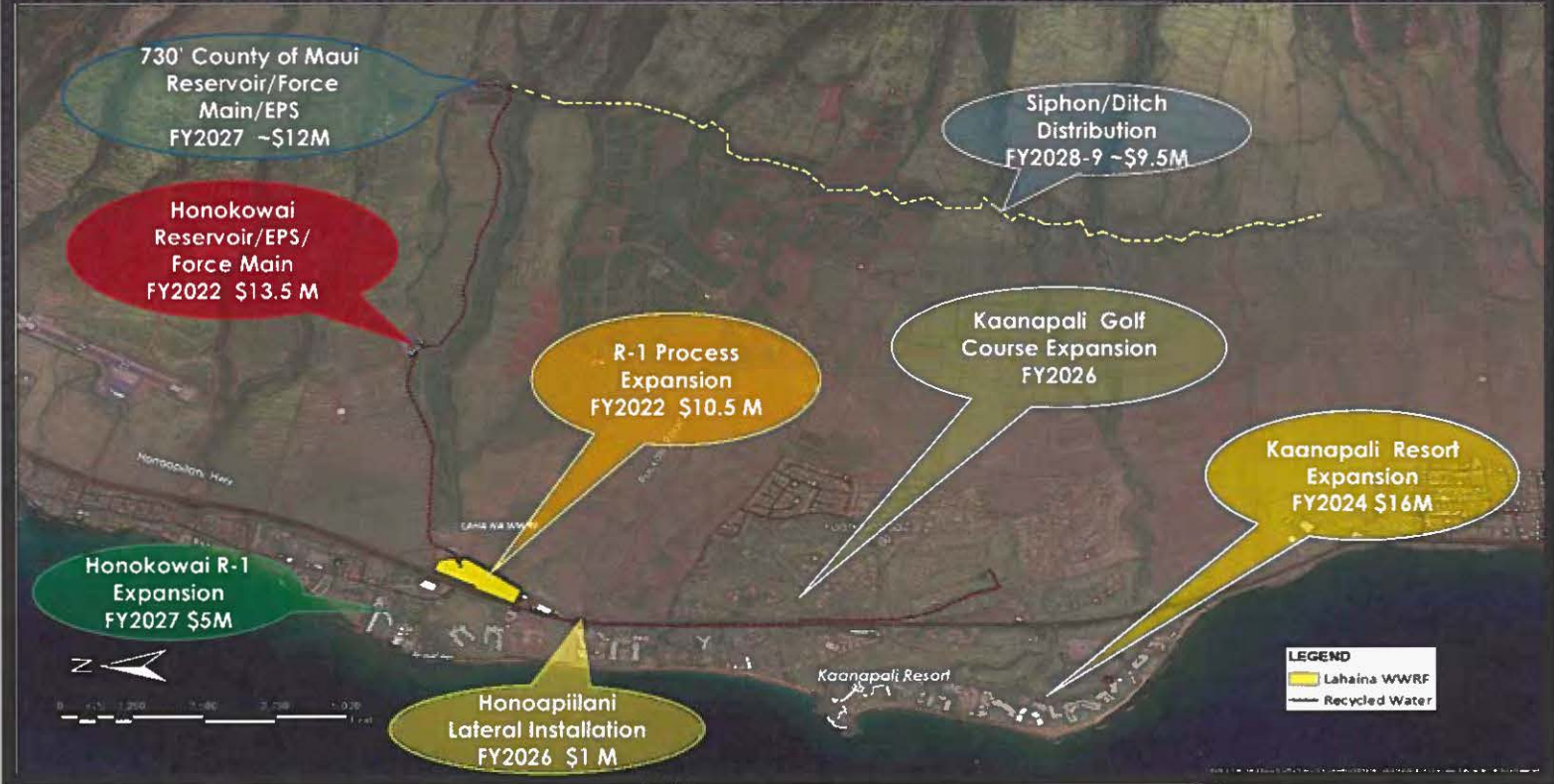
Kaiola Place
Sewer Extension
FY2024 \$1M

LEGEND

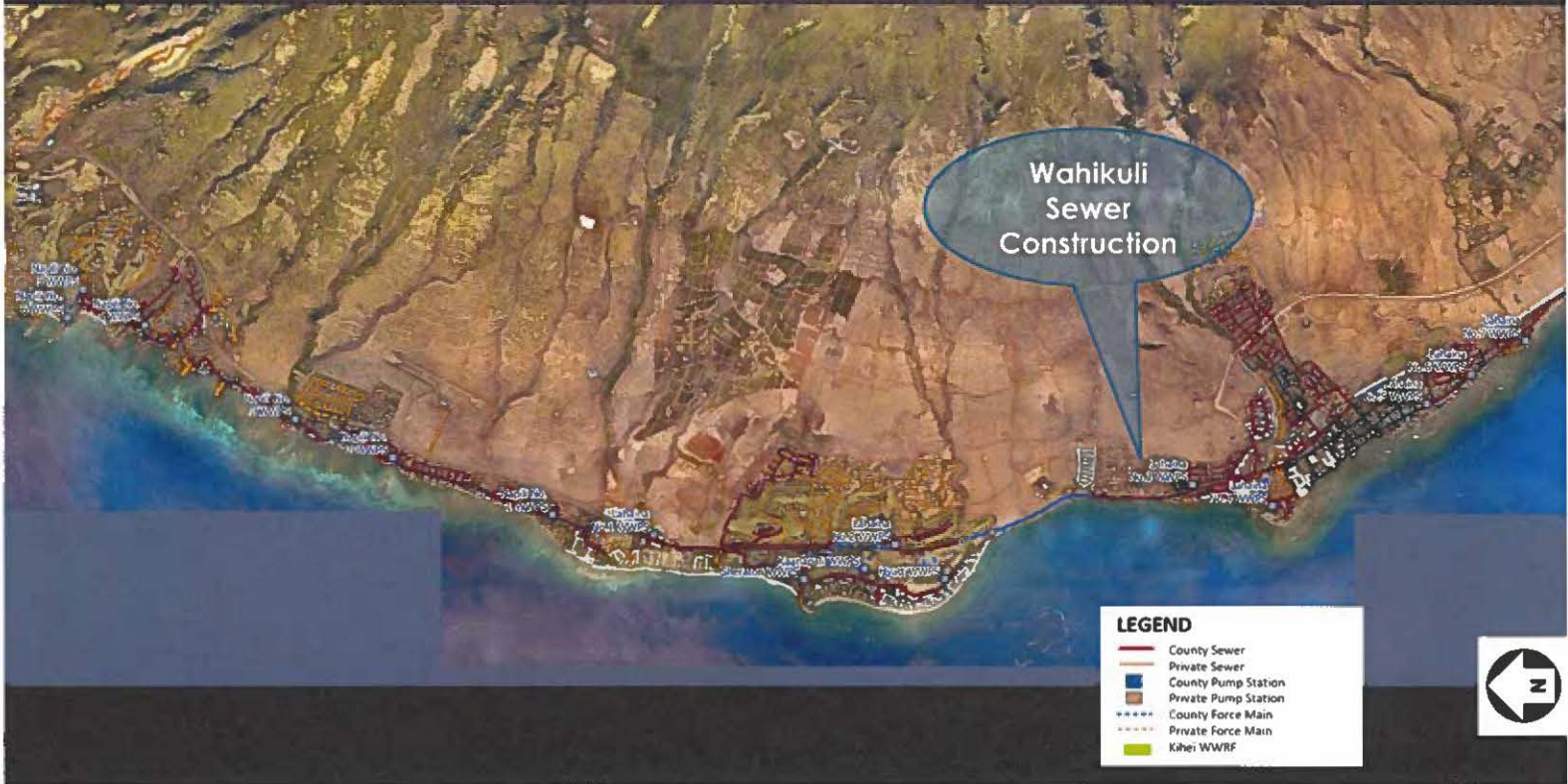
- County Sewer
- Private Sewer
- County Pump Station
- Private Pump Station
- County Force Main
- Private Force Main
- Kihei WWRF



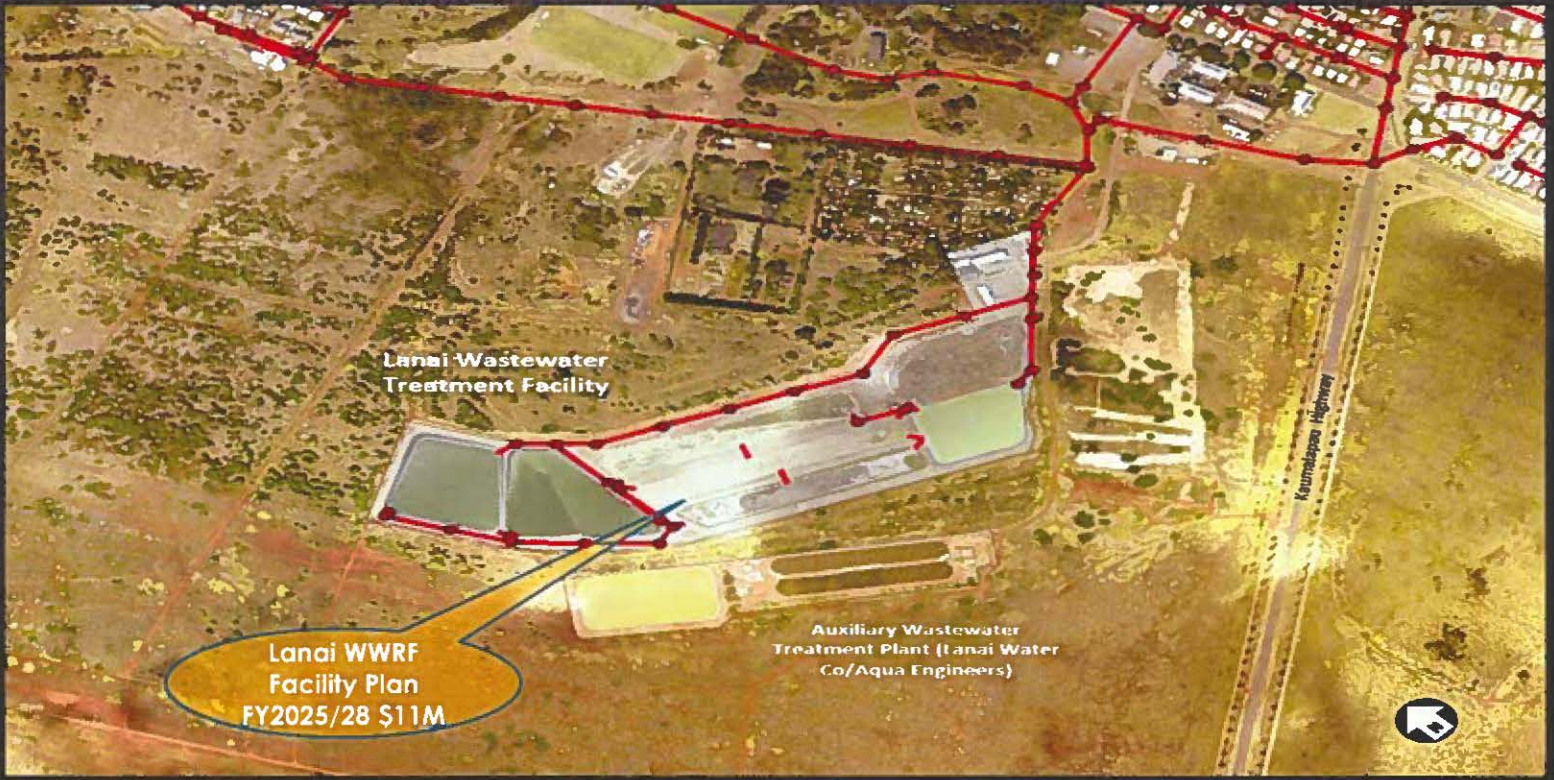
WEST MAUI REUSE EXPANSION



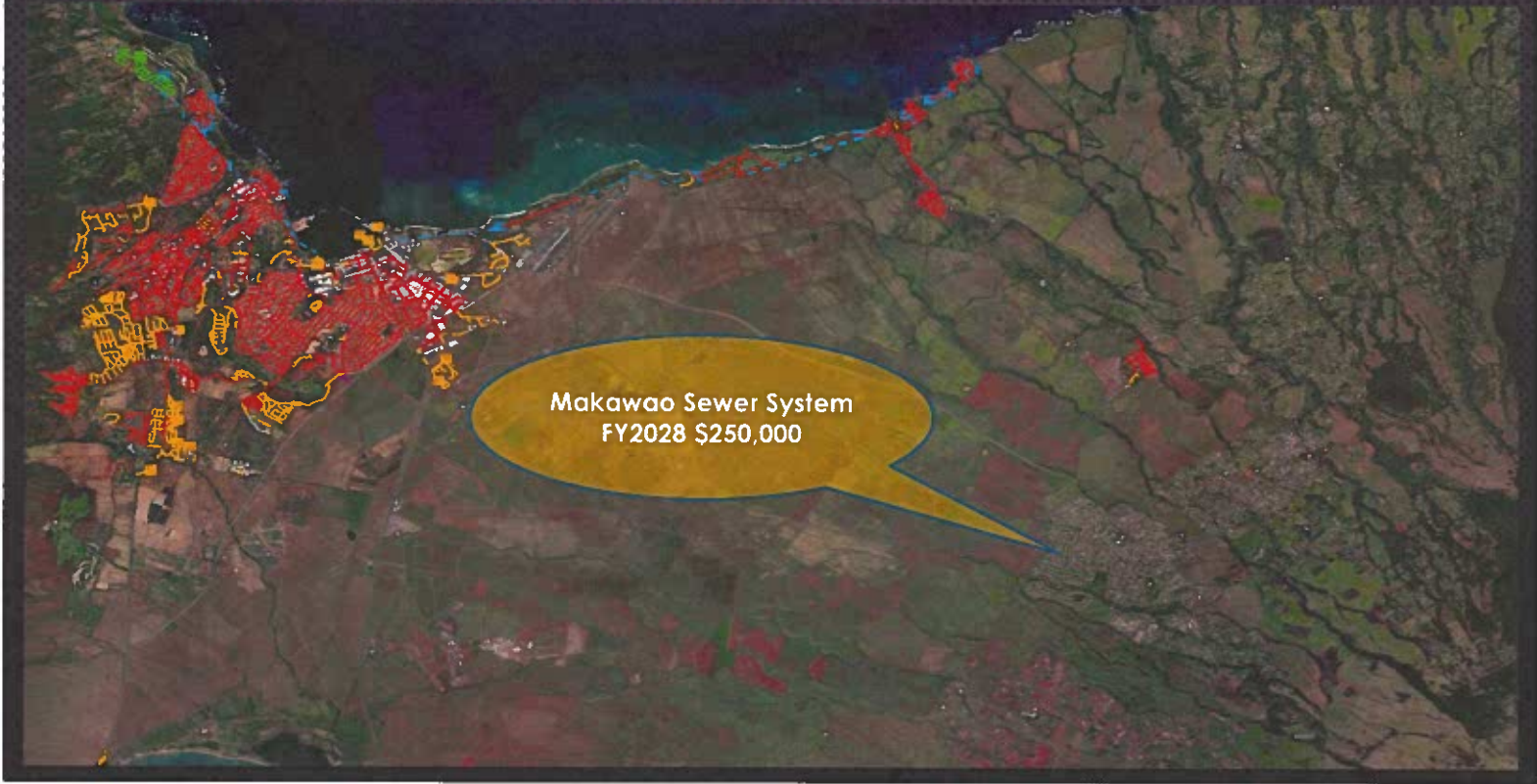
WEST MAUI SEWER EXPANSION



LANAI SEWER EXPANSION



MAKAWAO SEWER EXPANSION



HANA SEWER EXPANSION



HLU Committee

From: Michelle Santos <Michelle.Santos@co.maui.hi.us>
Sent: Monday, October 7, 2024 7:52 AM
To: HLU Committee
Cc: Cynthia Sasada; Josiah Nishita; Nadine Orikasa; Kelii Nahooikaika; Robert Schmidt; Shayne Agawa
Subject: MT#1078 Housing Solutions
Attachments: MT#10788-HLU Committee.pdf

NOTE: PLEASE DO NOT FORWARD MY EMAIL TO ANYONE OUTSIDE OF THE COUNTY OF MAUI. YOU MAY CLICK ON THE ATTACHMENT ITSELF AND CREATE YOUR OWN EMAIL TO FORWARD THE DOCUMENT TO ANOTHER PERSON OUTSIDE OF THE COUNTY.

Michelle L. Santos

Office Operations Assistant

Office of the Mayor

County of Maui

200 S. High Street 9th Floor

Wailuku, HI 96793

phone: (808) 270-7855

fax: (808) 270-7870