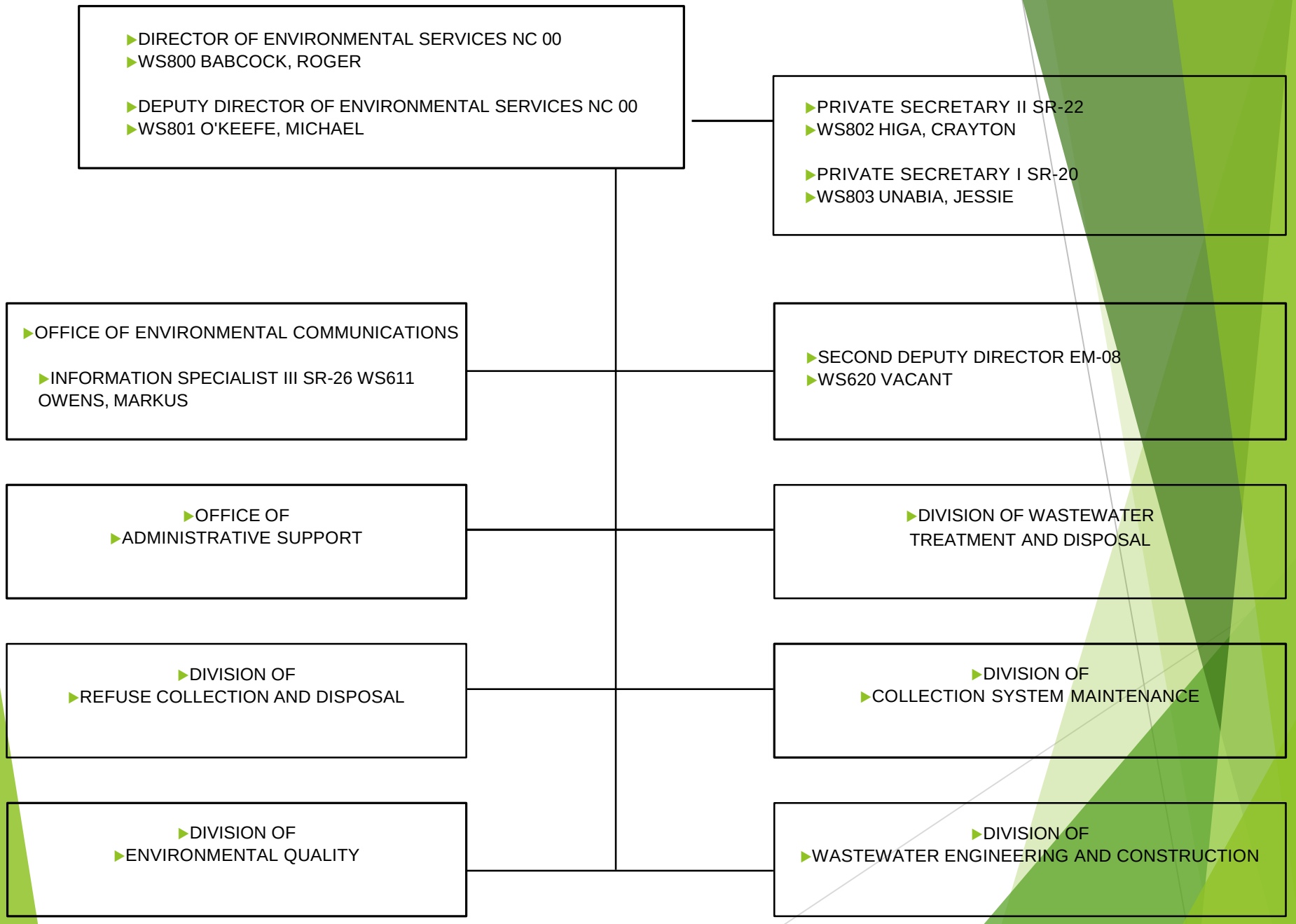
DEPARTMENT OF ENVIRONMENTAL SERVICES
FY24 CAPITAL AND OPERATING BUDGET REQUEST
March 7, 2023

DEPT. COM. 163
BUD


DIRECTOR OF ENVIRONMENTAL SERVICES NC 00
WS800 BABCOCK, ROGER
DEPUTY DIRECTOR OF ENVIRONMENTAL SERVICES NC 00
WS801 O'KEEFE, MICHAEL
PRIVATE SECRETARY II SR-22
WS802 HIGA, CRAYTON
PRIVATE SECRETARY I SR-20
WS803 UNABIA, JESSIE
OFFICE OF ENVIRONMENTAL COMMUNICATIONS
INFORMATION SPECIALIST III SR-26 WS611 OWENS, MARKUS
SECOND DEPUTY DIRECTOR EM-08
WS620 VACANT
OFFICE OF ADMINISTRATIVE SUPPORT
DIVISION OF WASTEWATER TREATMENT AND DISPOSAL
DIVISION OF REFUSE COLLECTION AND DISPOSAL
DIVISION OF COLLECTION SYSTEM MAINTENANCE
DIVISION OF ENVIRONMENTAL QUALITY
DIVISION OF WASTEWATER ENGINEERING AND CONSTRUCTION

ENV Departmental Programs FY 2024 BUDGET

	FY 23	FY 24	$ Change	% Change
Operations	**$423,069,758**	**$448,726,481**	**+$25,656,723**	**+6.1**
Debt Service	**260,581,000**	**271,210,000**	**+$10,629,000**	**+4.1**
Capital Program	**418,530,136**	**578,662,790**	**+160,132,654**	**+38.3**
Total	**$1,102,180,894**	**$1,298,599,271**	**+196,418,377**	**+17.8**

FY 2024 DEPARTMENT OPERATING APPROPRIATION

	FY 23	FY 24	$ Change	% Change
Solid Waste	**$176,363,158**	**$183,603,836**	**$7,240,678**	**+4.1**
Wastewater	**124,177,746**	**142,789,997**	**18,612,251**	**+15.0**
TOTAL	**$300,540,904**	**$326,393,833**	**$25,852,929**	**+8.6**

ENV FY 2024 SALARIES

	FY2023	FY 2024	$ Change	% Change
Administration	$2,669,017	$3,081,968	$412,951	+15.5
Environmental Quality	5,450,322	5,744,721	294,399	+5.4
Collection System Maintenance	13,892,536	15,007,248	1,114,712	+8.0
WW Treatment and Disposal	25,916,098	28,190,766	2,274,668	+8.8
WW Engineering and Construction	682,739	737,964	55,225	+8.1
Refuse	27,222,350	32,403,880	5,181,530	+19.0
TOTAL	$75,833,062	$85,166,547	9,333,485	+12.3

ENV Special & Grant Funded Vacancies

	Positions
Vacant Positions as of 2/1/2023*	327
Disposition of funded vacancies:	
To be filled before July 1, 2023	125
To be filled in FY 2024	174

*Reflects the deletion of 19 deactivated positions.

ENV General/Subsidized Funded Vacancies

	Positions
Vacant Positions as of 2/1/2023*	77
Disposition of funded vacancies:	
To be filled before July 1, 2023	58
To be filled in FY 2024	11

**Reflects the deletion of 41 deactivated positions.*

ENV FY 2024 CURRENT EXPENSE

DIVISION	FY 2023	FY 2024	$ Change	% Change
Administration	$9,047,700	$10,570,614	1,522,914	+16.8
Environmental Quality	2,280,164	2,550,925	270,761	+11.9
Collection System Maintenance	14,584,000	16,299,359	1,715,359	+11.8
WW Treatment and Disposal	49,048,600	59,910,997	10,862,397	+22.1
WW Engineering and Construction	1,082,570	1,109,435	26,865	+2.5
Refuse	148,664,808	150,785,956	2,121,148	+1.4
TOTAL	$224,707,842	$241,227,286	$16,519,444	+7.4

SOLID WASTE
OPERATING BUDGET APPROPRIATION

SOLID WASTE FUND	FY 23	FY24	% Change
ENV Dept. Operating Costs	$176,363,158	$183,603,836	+4.1
Non-salary Personnel Costs	29,764,000	27,507,000	-7.6
Provision for Energy Cost	0	0	0.0
Debt Service (GO Bonds)	50,491,000	50,443,000	-0.1
Support by Other City Agencies	24,014,367	25,258,399	+5.2
SUBTOTAL	280,632,525	286,812,235	+2.2
LEGISLATIVE	12,000	12,600	5.0
TOTAL	$280,644,525	$286,824,835	+2.2

WASTEWATER OPERATING BUDGET APPROPRIATION

SEWER FUND	FY 23	FY24	% Change
ENV Dept. Operating Costs	$124,177,746	$142,789,997	+15.0
Non-salary Personnel Costs	37,950,000	39,050,000	+2.9
Provision for Energy Cost	1,500,000	1,500,000	0.0
Debt Service (GO Bonds)	82,000	81,000	-1.2
Debt Service (Revenue Bonds)	210,008,000	220,686,000	+5.1
Support by Other City Agencies	29,228,487	28,941,649	+1.0
SUBTOTAL	402,946,233	433,048,646	+7.5
LEGISLATIVE	60,000	63,000	5.0
TOTAL	$403,006,233	$433,111,646	+7.5

SOLID WASTE REVENUES

Revenue	FY 23 Estimate Operating Budget	FY 24 Estimate Operating Budget	% Change
Tip Fees – Private Direct (H-Power)	$27,000,000	$27,000,000	0.0
Tip Fees – Other (H-Power)	21,500,000	21,500,000	0.0
Electrical Energy (H-Power)	67,920,000	67,920,000	0.0
Investments	656,000	2,668,000	+306.7
Disposal Charges (Landfill/Transfer Stations)	9,790,000	9,790,000	0.0
Other Revenue	818,200	813,200	-0.6
TOTAL	$127,684,200	$129,691,200	+1.6

WASTEWATER REVENUES

	FY 23 Estimate Operating Budget	FY 24 Estimate Operating Budget	% Change
Sewer Service Charges	$450,000,000	$450,000,000	0.0
System Facility Charges	8,000,000	8,000,000	0.0
Investments	5,987,000	22,029,000	267.9
Others	113,400	110,100	-2.9
TOTAL	$464,100,400	$480,139,100	+3.5

ENV FY2024 CIP

Solid Waste -	$72,648,000	
GO Bonds -		$ 72,648,000
Wastewater -	$506,014,790	
Sewer Revenue Bonds -		$ 269,702,000
Sewer Cash -		$ 236,312,790

SOLID WASTE FY2024 CIP

PROJECTS	FY2024 TOTAL	PHASE
Procurement of Major Equipment (Solid Waste Equipment)	**$13,735,000**	**E**
Enhanced Materials Recovery Facility	$1,001,000	**C**,I
Ewa Refuse Convenience Center	$5,600,000	**D**,**C**,**I**
Kapaa Transfer Station Renovation	$601,000	**P**,D
Keehi Transfer Station – Modifications/Rehabilitation	$5,751,000	D,**C**,**I**
Oahu Sanitary Landfill	$501,000	**P**,D
Refuse Facilities Improvements at Various Locations	$1,950,000	**P**,**D**,**C**,**I**
Solid Waste to Energy Facility (H-Power) Access Improvements	$6,002,000	D,**C**,I
Solid Waste to Energy Facility (H-Power) Improvements	**$25,003,000**	P,D,**C**,I

SOLID WASTE FY2024 CIP

PROJECTS	FY2024 TOTAL	PHASE
Solid Waste to Energy Facility (H-Power) Refurbishment/Improvement	**$12,002,000**	D,**C**,I
Waipahu Refuse Facility & Convenience Center	$502,000	P,**D**,C
TOTAL =	**$72,648,000**	

WASTEWATER FY2024 CIP

PROJECTS	FY2024 TOTAL	PHASE
Improvement District - Sewers		
Ewa Beach Sewers, Section 4, Improvement District – a portion, $51,600,000, is sewer revenue bond funded	$51,602,000	P,D,**C**,**I**
Kailua Sewers, Section 10, Improvement District	$301,000	P,**D**
Kamehameha Highway Sewers, Improvement District, Kaneohe	$500,000	**D**,**C**,**I**
Sewage Collection and Disposal		
Collection System Maintenance (CSM) Pearl City Warehouse – a portion, $15,600,000, is sewer revenue bond funded	**$15,701,000**	P,**D**,**C**,**I**
ENV Support Facilities at Honouliuli WWTP	$6,601,000	D,**C**,**I**
Hart Street/Waiakamilo Road Replacement Sewer	$602,000	D,**C**,I

WASTEWATER FY2024 CIP

PROJECTS	FY2024 TOTAL	PHASE
Heeia WWPS Improvements	$1,500,000	D,C,I
Honouliuli WWTP Secondary Treatment – sewer revenue bond funded	$1,000,000	I
Honouliuli WWTP Effluent Treatment & Outfall Improvements	$3,001,000	P,D
This project meets NPDES Permit requirements, with completion deadline of 12/31/29		
Honouliuli WWTP Headworks, Pump Station, Energy Savings, Solids process Upgrades and Misc. Impts – a portion, $158,000,000, is sewer revenue bond funded	**$168,000,000**	D,C,I
Kahala WWPS and Force Main System Improvements	$1,502,000	D,C,I
Kailua Road Wastewater Pump Station Improvements	$275,000	C
Kailua WWTP – Solids Handling System Improvements – a portion, $37,000,000, is sewer revenue bond funded	**$38,300,000**	P,D,C,I

WASTEWATER FY2024 CIP

PROJECTS	FY2024 TOTAL	PHASE
Kailua WWTP Upgrade, Phase 2	$2,002,000	D,**C**,I
Kailua WWTP – System Improvements	$4,001,000	P,**D**
This project meets NPDES Permit requirements, with a completion deadline of 3/31/30		
Kalanianaole Highway Sewer System Improvements	$2,801,000	P,**D**,**C**
Kalihi/Nuuanu Area Sewer Rehabilitation/ Improvements	$1,001,000	P,**D**
Kamehameha Highway WWPS Force Main System Improvements	$351,000	P,**D**
Kamehameha Highway WWPS Upgrade, Mapunapuna – sewer revenue bond funded	$502,000	D,**C**,I
Manoa Sewer System Improvements	$602,000	L,P,**D**
Pearl City/Waipahu Trunk Sewer	$1,000,000	**L**,**P**,**D**
Pearl City WWPS, Force Main, and Sewer System Alternatives	$501,000	C,**I**

WASTEWATER FY2024 CIP

PROJECTS	FY2024 TOTAL	PHASE
Project Management for Wastewater Projects	$9,287,000	**X**
Sand Island WWTP Secondary Treatment – a portion, $6,000,000, is sewer revenue bond funded	**$38,401,000**	**P**,**D**,C,**I**,**X**
2010 Consent Decree, Secondary Treatment upgrade completion deadline is 12/31/35		
Sand Is WWTP Solids System Improvements/Upgrade	$9,002,000	D,**C**,I
Sewer Condition Assessment Program	$5,001,000	**P**,I
Sewer I/I Relief and Rehabilitation Projects – Ala Moana Tributary Basin	$7,602,000	P,D,**C**,**I**
Sewer I/I Relief and Rehabilitation Projects – Leeward Area	**$11,001,000**	D,**C**,**I**
Sewer Mainline and Lateral Projects	**$26,300,000**	**L**,**P**,**D**,**C**,**I**
Wahiawa, Whitmore Village and Makakilo Area WWPS and Facilities Improvements	**$29,501,000**	P,**D**,**C**,**I**
Wahiawa WWTP – Effluent System & Storage	**$11,000,000**	**C**

WASTEWATER FY2024 CIP

PROJECTS	FY2024 TOTAL	PHASE
Wahiawa WWTP - System Improvements	$1,402,000	P,**D**,C,**I**
Waianae WWTP Outfall Improvements/Rehabilitation	$7,502,000	D,**C**,I
Waimalu WWPS Force Main System	$1,902,000	D,**C**,I
Waimanalo WWTP – Solids System Improvements	$1,201,000	P,**D**
Waipahu WWPS Force Main (NEW)	$902,000	**L**,P,D
Wastewater Equipment	**$17,370,790**	**E**
Wastewater Facilities Replacement Reserve	$5,000,000	X
- previous federal grant program requires an emergency reserve		
Wastewater Planning and Programming	$392,000	X
Wastewater Program Management	$5,002,000	**P**,D,I
Wastewater Treatment Plant, Pump Station, and Force Main Projects	**$16,600,000**	L,**P**,**D**,**C**,**I**,**X**
TOTAL =	**$506,014,790**	

COUNCIL DISTRICT 1

ENV FY2024 CIP
Construction Funding

SEWER I/I RELIEF AND REHABILITATION PROJECTS - LEEWARD AREA

WAIANAE WWTP OUTFALL IMPROVEMENTS/REHABILITATION



HONOULIULI WASTEWATER TREATMENT PLANT HEADWORKS, PUMP STATION, ENERGY SAVINGS, SOLIDS PROCESS UPGRADES AND MISCELLANEOUS IMPROVEMENTS
ENV SUPPORT FACILITIES AT HONOULIULI WWTP



ENHANCED MATERIALS RECOVERY FACILITY
SOLID WASTE TO ENERGY FACILITY (H-POWER) ACCESS IMPROVEMENTS
SOLID WASTE TO ENERGY FACILITY (H-POWER) IMPROVEMENTS
SOLID WASTE TO ENERGY FACILITY (H-POWER) REFURBISHMENT/IMPROVEMENTS

EWA REFUSE CONVENIENCE CENTER

WAIANAE
LUALUALEI
NANAKULI
Council District 9
WAIPAHU
WEST LOCH
EWA
KOOLINA
KAPOLEI
EWA BEACH
KALAELOA

COUNCIL DISTRICT 2

ENV FY2024 CIP
Construction Funding

WAIALUA

WAHIAWA AREA WWPS AND FACILITIES IMPROVEMENTS

WAHIAWA WWTP - EFFLUENT SYSTEM & STORAGE

WHITMORE VILLAGE

WAHIAWA

SCHOEFIELD BARRACKS

MILILANI MAUKA

MILILANI

Council District 8

Council District 1



COUNCIL DISTRICT 3

ENV FY2024 CIP
Construction Funding

HEEIA WASTEWATER PUMP STATION IMPROVEMENTS

KAILUA WASTEWATER TREATMENT PLANT - SOLIDS HANDLING SYSTEM IMPROVEMENTS

KAILUA WASTEWATER TREATMENT PLANT UPGRADE, PHASE 2

KAILUA ROAD WASTEWATER PUMP STATION IMPROVEMENTS



Council District 2

Council District 8

Council District 7

Council District 5

Council District 4

KANEOHE

KAILUA

WAIMANALO

COUNCIL DISTRICT 4

ENV FY2024 CIP
Construction Funding



Council District 6

Council District 5

Council District 3

MANOA

PALOLO

WAIKIKI

KAIMUKI

KAHALA

WAIALAE IKI

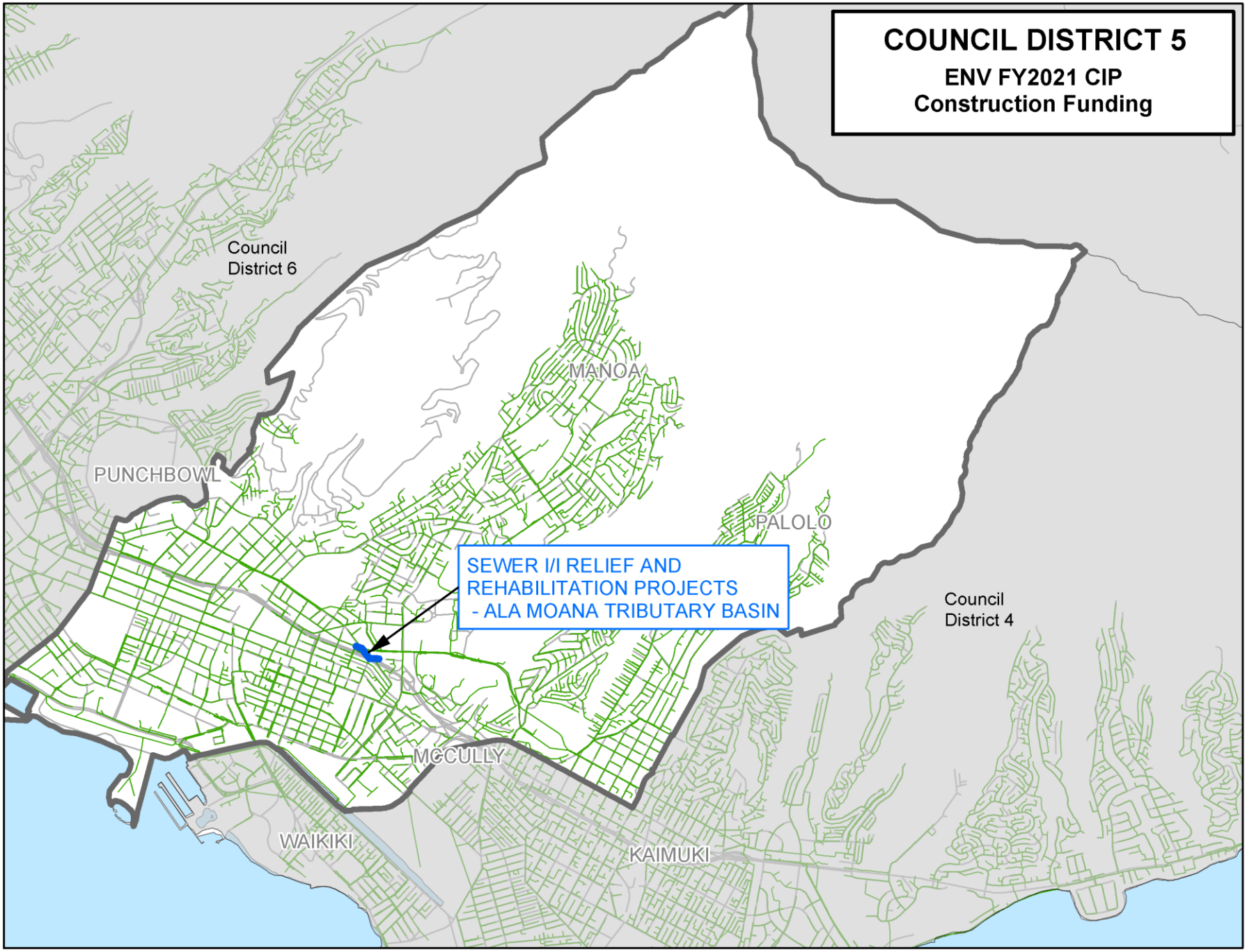
AINA HAINA

NIU VALLEY

KULIOUOU

HAWAII KAI

KALANIANAOLE HIGHWAY SEWER SYSTEM IMPROVEMENTS


COUNCIL DISTRICT 5
ENV FY2021 CIP
Construction Funding
Council
District 6
MANOA
PUNCHBOWL
PALOLO
SEWER I/I RELIEF AND
REHABILITATION PROJECTS
- ALA MOANA TRIBUTARY BASIN
Council
District 4
MCCULLY
WAIKIKI
KAIMUKI

COUNCIL DISTRICT 7

ENV FY2024 CIP
Construction Funding

SEWER I/I RELIEF AND REHABILITATION PROJECTS - LEEWARD AREA

KEEHI TRANSFER STATION - MODIFICATIONS/REHABILITATION



KAMEHAMEHA HIGHWAY WASTEWATER PUMP STATION UPGRADE, MAPUNAPUNA

HART STREET/WAIAKAMILO ROAD REPLACEMENT SEWER

SAND ISLAND WASTEWATER TREATMENT PLANT SECONDARY TREATMENT
SAND ISLAND WASTEWATER TREATMENT PLANT SOLIDS SYSTEM IMPROVEMENTS/UPGRADE

MOANALUA
SALT LAKE
AIRPORT
KALIHI
SAND ISLAND
KAKAAKO

COUNCIL DISTRICT 8

ENV FY2024 CIP
Construction Funding

SEWER I/I RELIEF AND REHABILITATION PROJECTS - LEEWARD AREA

COLLECTION SYSTEM MAINTENANCE (CSM) PEARL CITY WAREHOUSE

WAIMALU WASTEWATER PUMP STATION FORCE MAIN SYSTEM



MILILANI

PEARL CITY

KUNIA

WAIPAHU

AIEA

PEARL HARBOR

Council District 1

Council District 9

Council District 7

COUNCIL DISTRICT 9

ENV FY2024 CIP
Construction Funding

EWA GENTRY

EWA BEACH SEWERS, SECTION 4
IMPROVEMENT DISTRICT

Council
District 1

HOAKALEI

EWA BEACH



Mahalo

Questions?