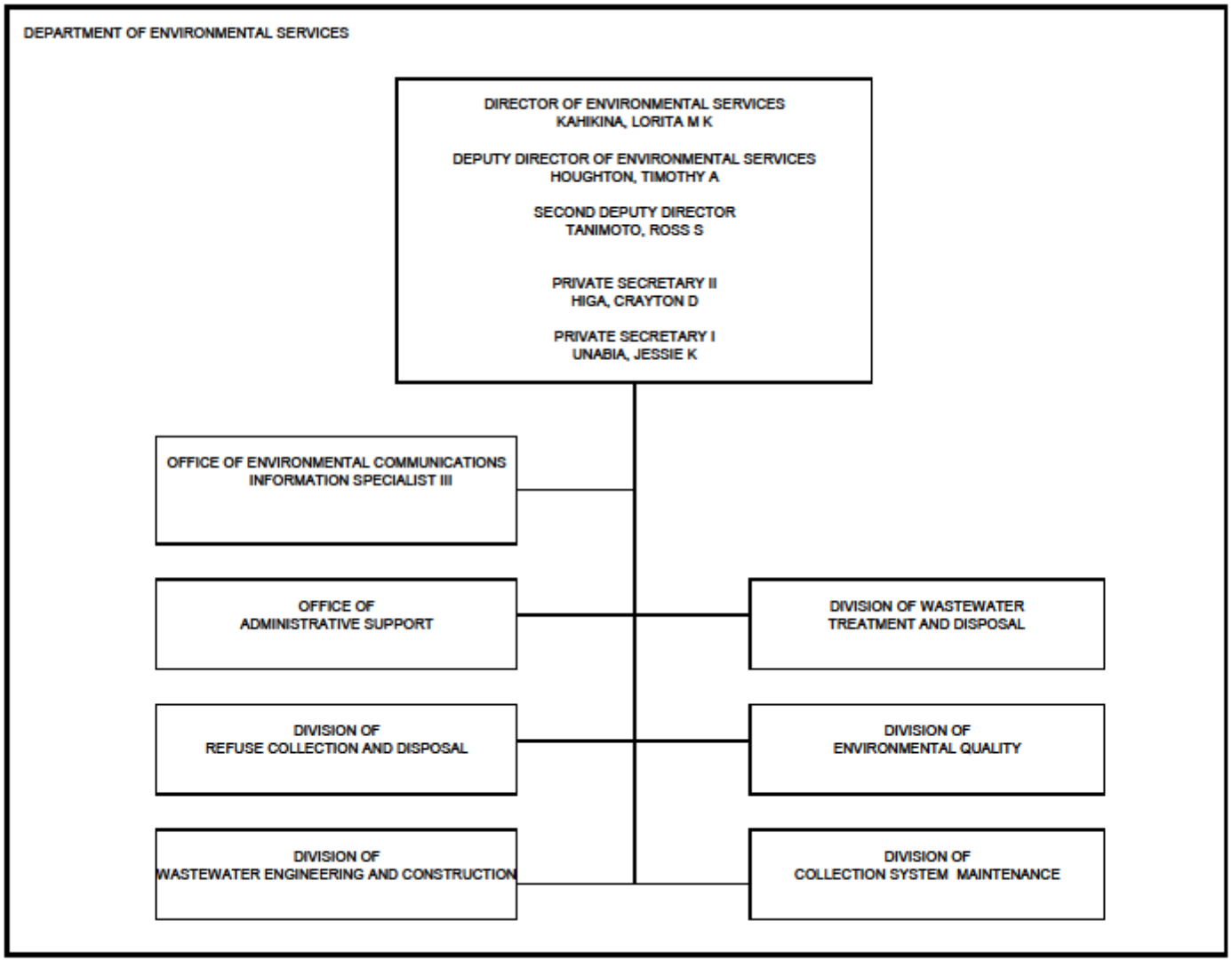
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DEPARTMENT OF ENVIRONMENTAL SERVICES FY 2021 CAPITAL AND OPERATING BUDGET REQUEST

March 13, 2020

DEPT. COM. 178

BUDGET


DEPARTMENT OF ENVIRONMENTAL SERVICES
DIRECTOR OF ENVIRONMENTAL SERVICES
KAHIKINA, LORITA M K
DEPUTY DIRECTOR OF ENVIRONMENTAL SERVICES
HOUGHTON, TIMOTHY A
SECOND DEPUTY DIRECTOR
TANIMOTO, ROSS S
PRIVATE SECRETARY II
HIGA, CRAYTON D
PRIVATE SECRETARY I
UNABIA, JESSIE K
OFFICE OF ENVIRONMENTAL COMMUNICATIONS
INFORMATION SPECIALIST III
OFFICE OF
ADMINISTRATIVE SUPPORT
DIVISION OF
REFUSE COLLECTION AND DISPOSAL
DIVISION OF
WASTEWATER ENGINEERING AND CONSTRUCTION
DIVISION OF WASTEWATER
TREATMENT AND DISPOSAL
DIVISION OF
ENVIRONMENTAL QUALITY
DIVISION OF
COLLECTION SYSTEM MAINTENANCE

ENV Departmental Programs
FY 2021 BUDGET

	FY 20	FY 21	$ Change	% Change
Operations	$403,893,452	$415,815,215	$11,921,763	+3.0
Debt Service	246,295,118	237,609,708	-8,685,410	-3.5
Capital Program	495,941,106	826,073,540	$330,132,434	+66.6
Total	$1,146,129,676	$1,479,498,463	$333,368,787	+29.1

ENV FY2021 CIP

Wastewater - $765,114,540

Sewer Revenue Bonds - $ 552,500,000

Sewer Cash - $ 212,614,540

Solid Waste (GO Bonds) - $ 60,959,000

WASTEWATER FY2021 CIP

PAGE NO.	PROJECTS	FY2021 TOTAL	PHASE	EPA/DOH REQUIREMENT	COMPLETION DEADLINE
252	Ala Moana Wastewater Force Main No. 2 System – sewer cash funded	$1,500,000	**P**,**D**		
255	Ala Moana WWPS Upgrade – sewer cash funded	$103,000	P,D,C,**I**	2010 Consent Decree; Force Main Assessment Follow-up	12/31/20
257	Awa Street WWPS, Force Main and Sewer System Improvements – sewer cash funded	$2,252,000	P,**D**,C,**I**	2010 Consent Decree	6/30/20
258	Awa Street WWPS Improvement/Rehab – sewer cash funded	$501,000	**P**,D		
259	Beachwalk WWPS Force Main System – sewer cash funded	$103,000	P,D**, C**, I	2010 Consent Decree; Force Main Assessment Follow-up	n/a
261	Beretania Street Sewer Improvements – sewer cash funded	$3,003,000	P,D,**C**,I		
263	Dowsett Highlands Relief Sewer – sewer cash funded	$103,000	P,D,C,**I**	2010 Consent Decree	6/30/2020
264	**ENV Support Facilities at Honouliuli WWTP**– sewer cash funded	**$71,202,000**	P,D,**C**,**I**		

WASTEWATER FY2021 CIP

PAGE NO.	PROJECTS	FY2021 TOTAL	PHASE	EPA/DOH REQUIREMENT	COMPLETION DEADLINE
265	Ewa Beach WWPS Force Main System Improvements – sewer cash funded	$1,001,000	P,**D**		
268	Hart Street/Waiakamilo Road Replacement Sewer – sewer cash funded	$3,602,000	P,D,**C**,**I**		
269	Hart Street WWPS Force Main Improvements Phase 3 – sewer cash funded	$752,000	P,D,**C**	2010 Consent Decree; Force Main Assessment Follow-up	n/a
270	Heeia WWPS Improvements – sewer cash funded	$5,701,000	P,**D**,**C**,**I**		
272	Honolulu Area WWPS Facilities Improvements – sewer cash funded	$203,000	P,**D**,C,I		
275	Honouliuli WWTP Secondary Treatment - sewer cash funded	$103,000	P,D,C,**I**	2010 Consent Decree	6/1/2024
276	Honouliuli Wastewater Treatment Plant Upgrade, Phase 2 - sewer cash funded	$103,000	P,**D**,C,I		
277	Honouliuli WWTP Effluent Treatment & Outfall Improvements – sewer cash funded	$1,001,000	**P**,D		

WASTEWATER FY2021 CIP

PAGE NO.	PROJECTS	FY2021 TOTAL	PHASE	EPA/DOH REQUIREMENT	COMPLETION DEADLINE
278	Honouliuli WWTP Headworks, Pump Station, Energy Savings, Solids Process Upgrades and Misc. Improvements – sewer cash funded	$7,001,000	P,**D**		
280	Iwilei, King Street, Kokea Street Area Sewer Improvements – sewer cash funded	$1,001,000	P,**D**		
290	Kailua WWTP – Solids Handling System Improvements – sewer cash funded	$1,000,000	**P**,**D**		
292	Kailua WWTP Upgrade, Phase 2 – sewer cash funded	$1,003,000	P, D,C,**I**		
293	Kailua WWTP – Primary and Secondary Tank Rehabilitation – sewer cash funded	$7,002,000	D,**C**,I		
294	Kailua WWTP – TFSC & Biotower System Improvements – sewer cash funded	$1,001,000	**P**,D		
296	Kalihi /Nuuanu Area Sewer Rehabilitation/Improvements – sewer cash funded	$301,000	**P**,D	2010 Consent Decree	after 2020

WASTEWATER FY2021 CIP

PAGE NO.	PROJECTS	FY2021 TOTAL	PHASE	EPA/DOH REQUIREMENT	COMPLETION DEADLINE
305	Laie Sewers & LPSS Pump Improvements – sewer cash funded	$501,000	**P**,D		
306	Lualualei WWPS Force Main – Shoreline Protection – sewer cash funded	$201,000	P,**D**		
314	Pacific Palisades WWPS, Force Main. And Sewer System Improvements – sewer cash funded	$501,000	**P**,D		
315	Palolo Valley Sewer Rehabilitation/Relief – sewer cash funded	$501,000	**P**,D	2010 Consent Decree	after 2020
317	Pearl City/Waipahu Trunk Sewer – sewer cash funded	$1,001,000	**P**,D		
318	Pearl City Wastewater Pump Station, Force Station, and Sewer System Alternatives – sewer cash funded	$382,000	P,**D**,**C**,I		
319	Project Management for Wastewater Projects – sewer cash funded	$8,121,000	**X**	Required to execute mandated projects	n/a
325	Sand Island WWTP Expansion, Primary Treatment – sewer cash funded	$102,000	**D**,C,I		

WASTEWATER FY2021 CIP

PAGE NO.	PROJECTS	FY2021 TOTAL	PHASE	EPA/DOH REQUIREMENT	COMPLETION DEADLINE
326	Sand Island WWTP Improvements/Upgrade – sewer cash funded	$900,000	**P**,**D**		
329	**Sand Island WWTP Secondary Treatment - a portion, $16,001,000, is sewer cash funded**	**$568,501,000**	P,**D**,**C**,**I**	2010 Consent Decree; Phase 1 Construction NTP by 1/1/22	12/31/35
335	Sewer Condition Assessment Program - sewer cash funded	$3,001,000	**P**,I		
336	Sewer Easement Access Improvements – Mililani Effluent Sewer, Pacific Palisades, Aiea, Halawa Heights – sewer cash funded	$602,000	L,P,**D**		
337	Sewer I/I Relief & Rehabilitation Projects – Ala Moana Tributary Basin – sewer cash funded	$7,603,000	L,P,D,**C**,**I**		
340	Sewer I/I Relief & Rehabilitation Projects – Windward Area – sewer cash funded	$4,702,000	P,D,**C**,**I**		
342	**Sewer Mainline and Lateral Projects – sewer cash funded**	**$15,300,000**	**L**,**P**,**D**,**C**,**I**		

WASTEWATER FY2021 CIP

PAGE NO.	PROJECTS	FY2021 TOTAL	PHASE	EPA/DOH REQUIREMENT	COMPLETION DEADLINE
346	Sewer Relief & Rehabilitation – Leeward Area – sewer cash funded	$801,000	**P**,D		
360	Waimalu WWPS Force Main System – sewer cash funded	$151,000	P,**D**		
362	Waimanalo WWTP – Solids System Improvements – sewer cash funded	$1,000,000	**P**,**D**		
364	Waipahu WWPS Force Mains Rehabilitation – sewer cash funded	$1,002,000	L,**P**,D		
367	**Wastewater Equipment – sewer cash funded**	**$16,758,540**	**E**		
368	Wastewater Facilities Replacement Reserve – sewer cash funded	$5,000,000	**X**	previous federal grant program requires an emergency reserve	n/a
369	Wastewater Planning and Programming – sewer cash funded	$339,000	**X**		
370	Wastewater Program Management – sewer cash funded	$2,002,000	**P**,D,I		

WASTEWATER FY2021 CIP

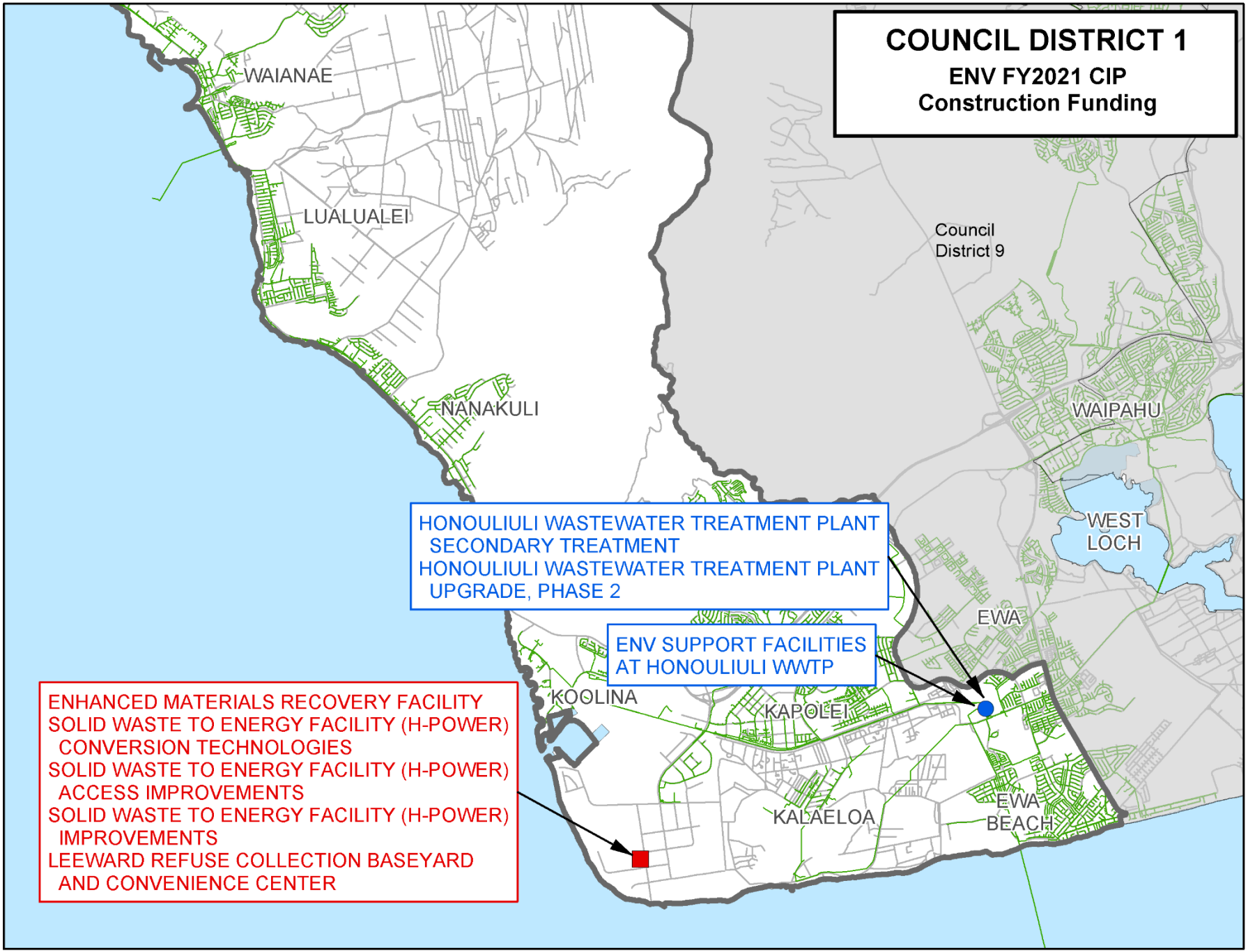
PAGE NO.	PROJECTS	FY2021 TOTAL	PHASE	EPA/DOH REQUIREMENT	COMPLETION DEADLINE
372	**Wastewater Treatment Plant, Pump Station, and Force Main Projects – sewer cash funded**	**$16,600,000**	L,P,D,C,I	includes miscellaneous work required for 2010 Consent Decree	final deadline for coll. sys. work is 6/30/2020
	TOTAL =	$765,114,540			

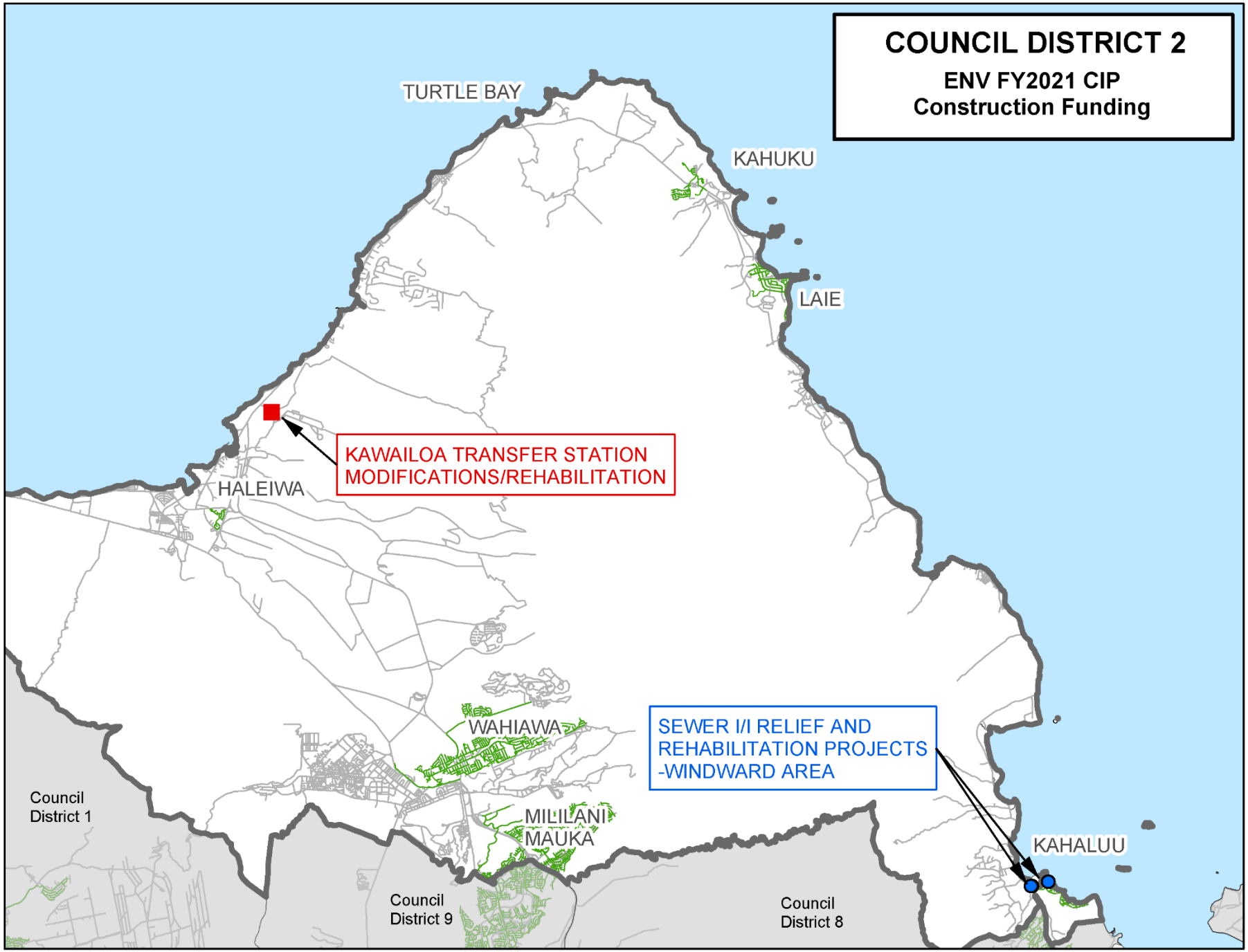
SOLID WASTE FY2021 CIP

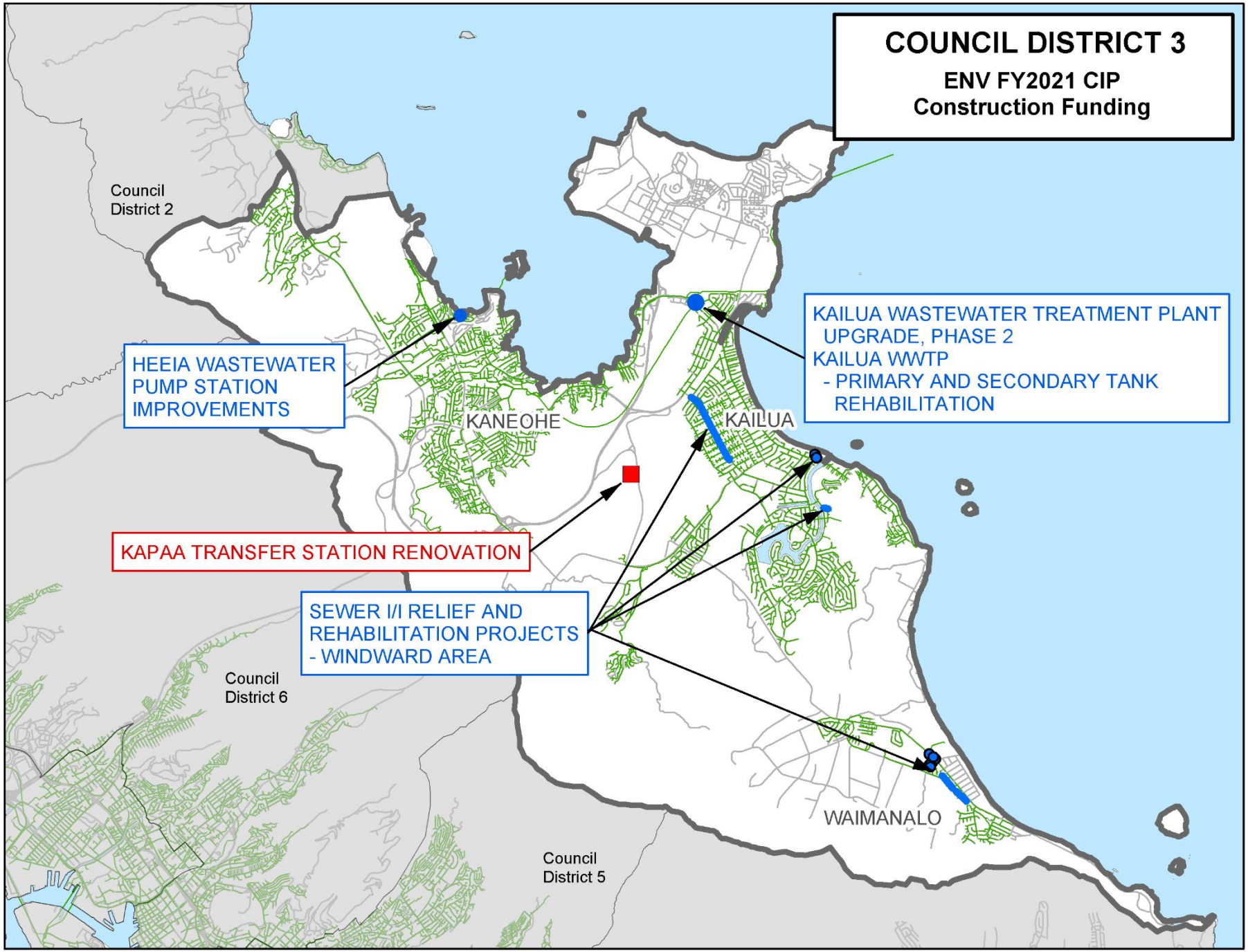
PAGE NO.	PROJECTS	FY2021 TOTAL	PHASE
2	**Procurement of Major Equipment (Solid Waste Equipment)**	**$13,546,000**	**E**
216	Enhanced Materials Recovery Facility	$5,050,000	**D**,**C**,**I**
220	Kapaa Transfer Station Renovation	$1,201,000	**D**,**C**,I
221	Kawailoa Transfer Station – Modifications/ Rehabilitation	$3,002,000	D,**C**,I
222	Keehi Transfer Station – Modifications/Rehabilitation	$2,425,000	**D**,**C**,**I**
223	Leeward Refuse Collection Baseyard and Convenience Center	$7,502,000	D,**C**,I
224	Oahu Sanitary Landfill	$501,000	**P**,D
226	Refuse Facilities Improvements at Various Locations	$1,350,000	**D**,**C**,**I**
227	Solid Waste to Energy Facility (H-Power) Access Improvements	$302,000	**D**,C,I

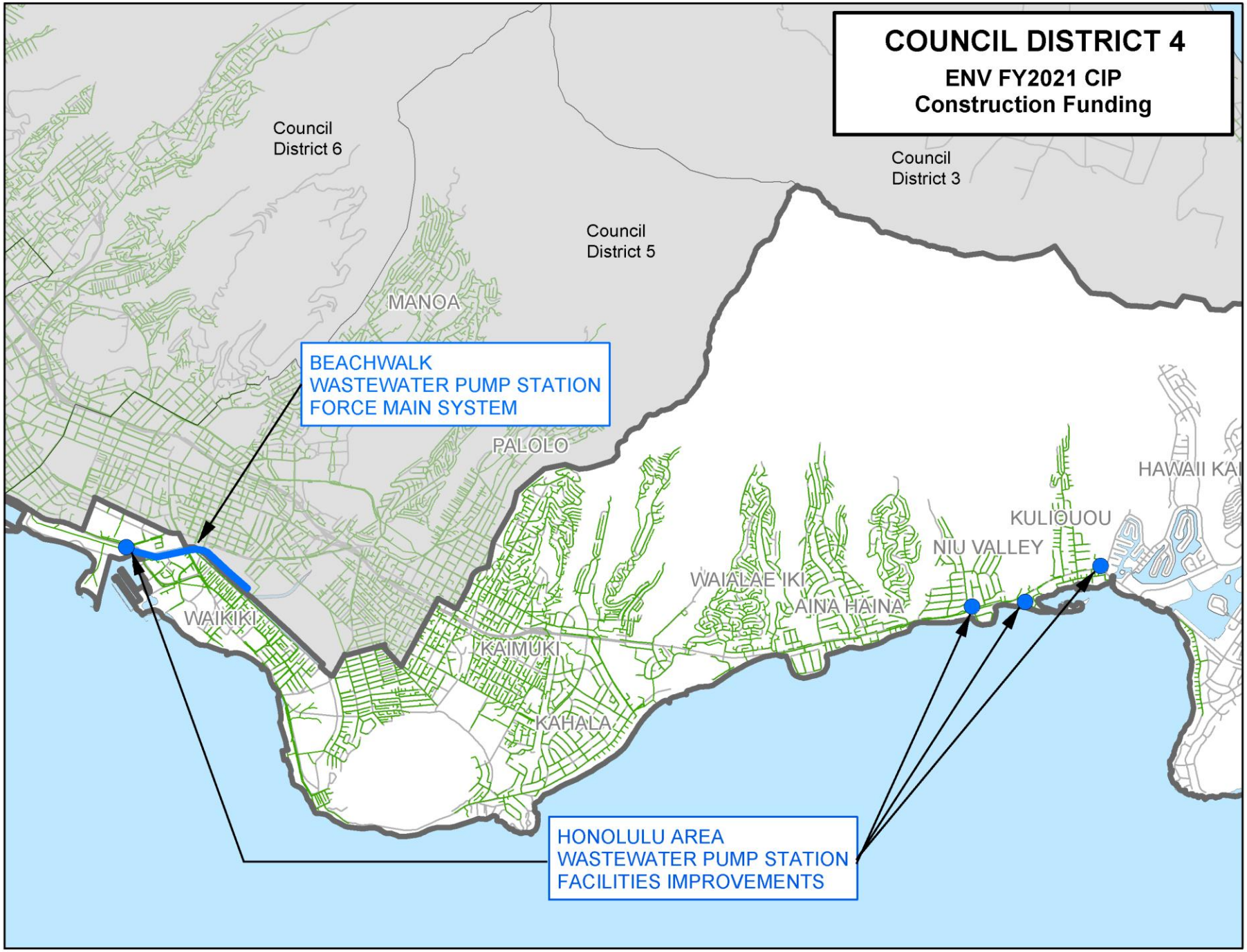
SOLID WASTE FY2021 CIP

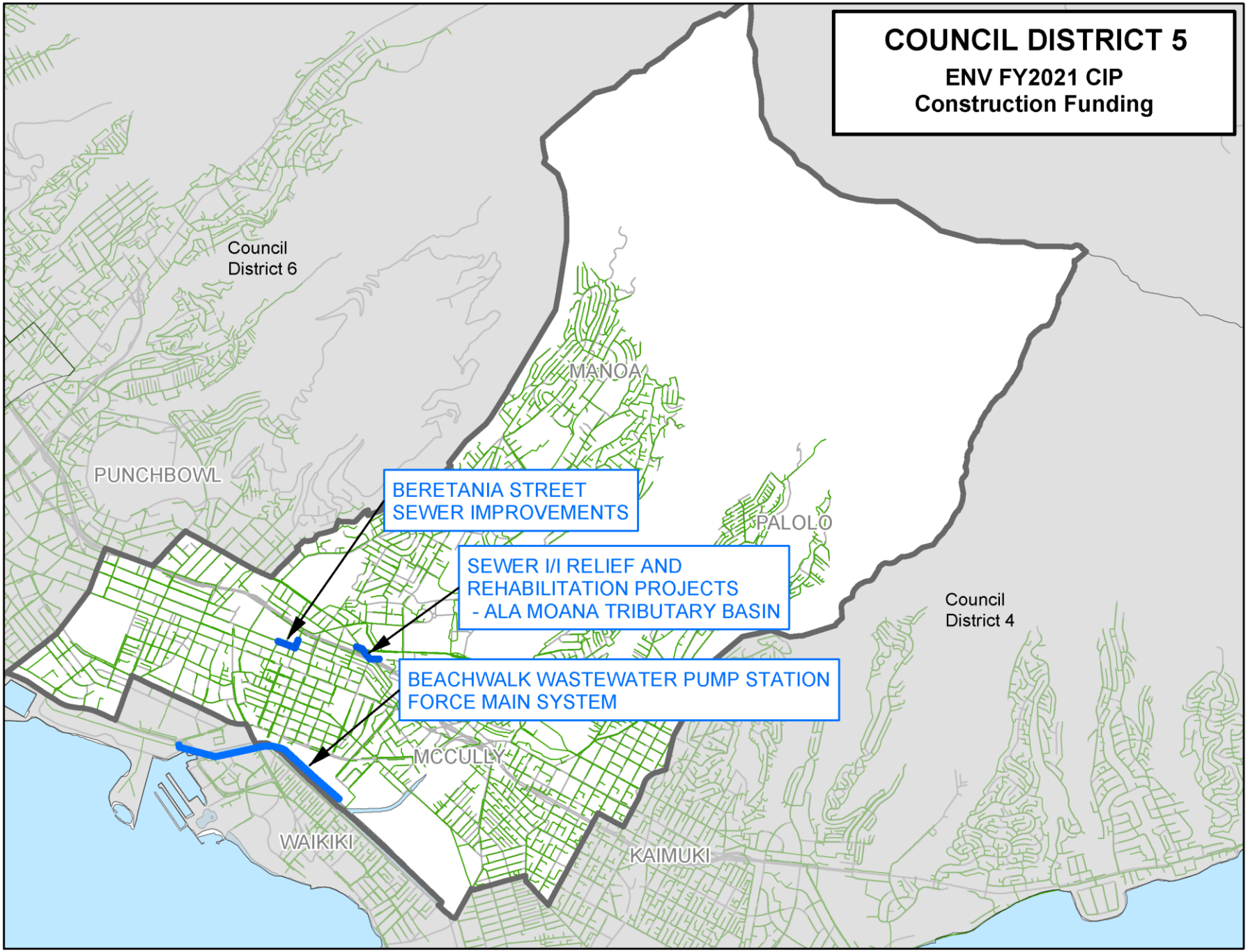
PAGE NO.	PROJECTS	FY2021 TOTAL	PHASE
228	**Solid Waste to Energy Facility (H-Power) Conversion Technologies**	**$15,002,000**	D,**C**,I
231	Solid Waste to Energy Facility (H-Power) Improvements	$8,003,000	P,D,**C**,I
236	**W**aipahu Incinerator Site – Area Cleanup and Improvements	$3,075,000	**P**,**D**,**C**,**I**
	TOTAL =	$60,959,000	

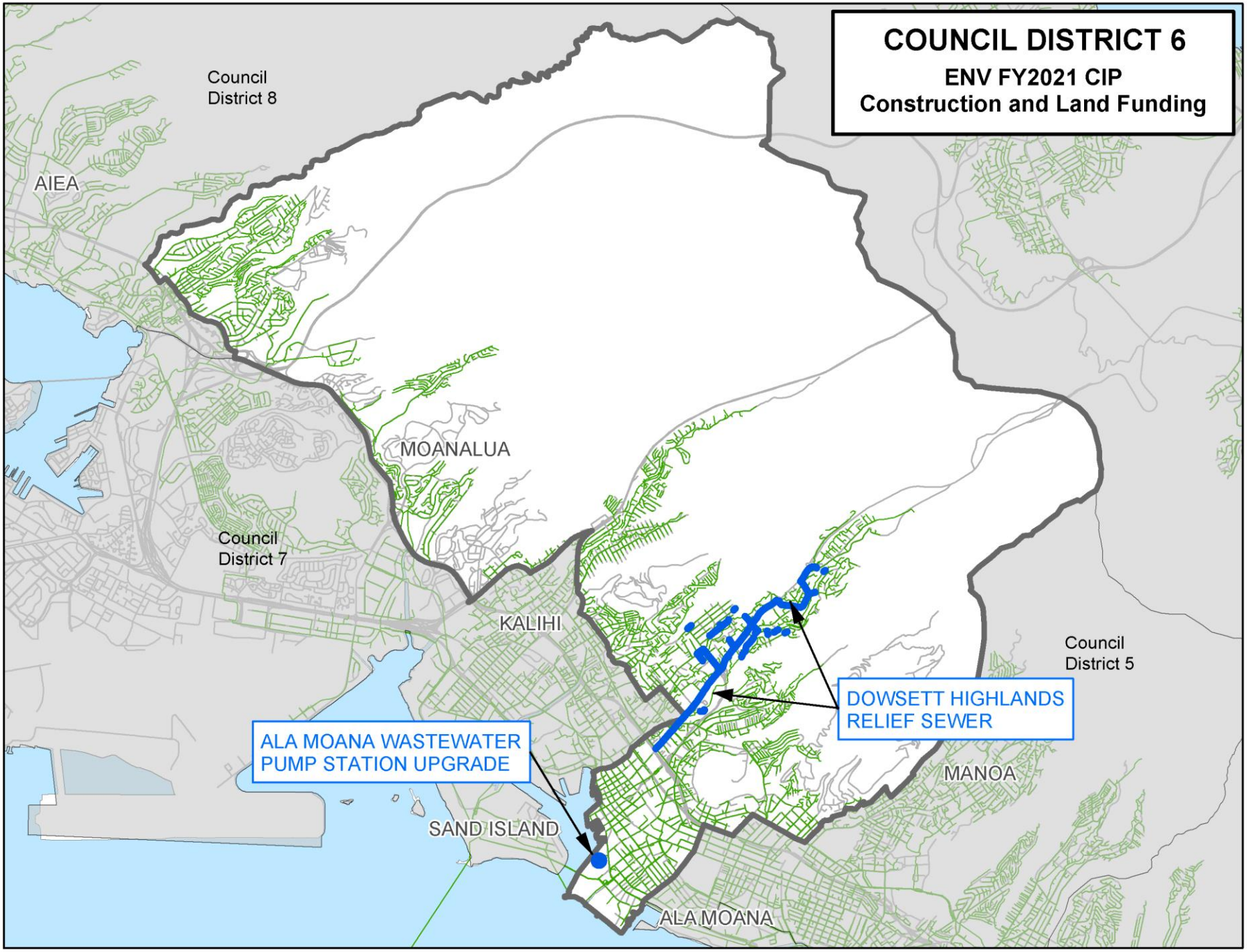

COUNCIL DISTRICT 1
ENV FY2021 CIP
Construction Funding
WAIANAE
LUALUALEI
NANAKULI
Council
District 9
WAIPAHU
WEST
LOCH
EWA
KOOLINA
KAPOLEI
KALAELOA
EWA
BEACH
HONOULIULI WASTEWATER TREATMENT PLANT
SECONDARY TREATMENT
HONOULIULI WASTEWATER TREATMENT PLANT
UPGRADE, PHASE 2
ENV SUPPORT FACILITIES
AT HONOULIULI WWTP
ENHANCED MATERIALS RECOVERY FACILITY
SOLID WASTE TO ENERGY FACILITY (H-POWER)
CONVERSION TECHNOLOGIES
SOLID WASTE TO ENERGY FACILITY (H-POWER)
ACCESS IMPROVEMENTS
SOLID WASTE TO ENERGY FACILITY (H-POWER)
IMPROVEMENTS
LEEWARD REFUSE COLLECTION BASEYARD
AND CONVENIENCE CENTER

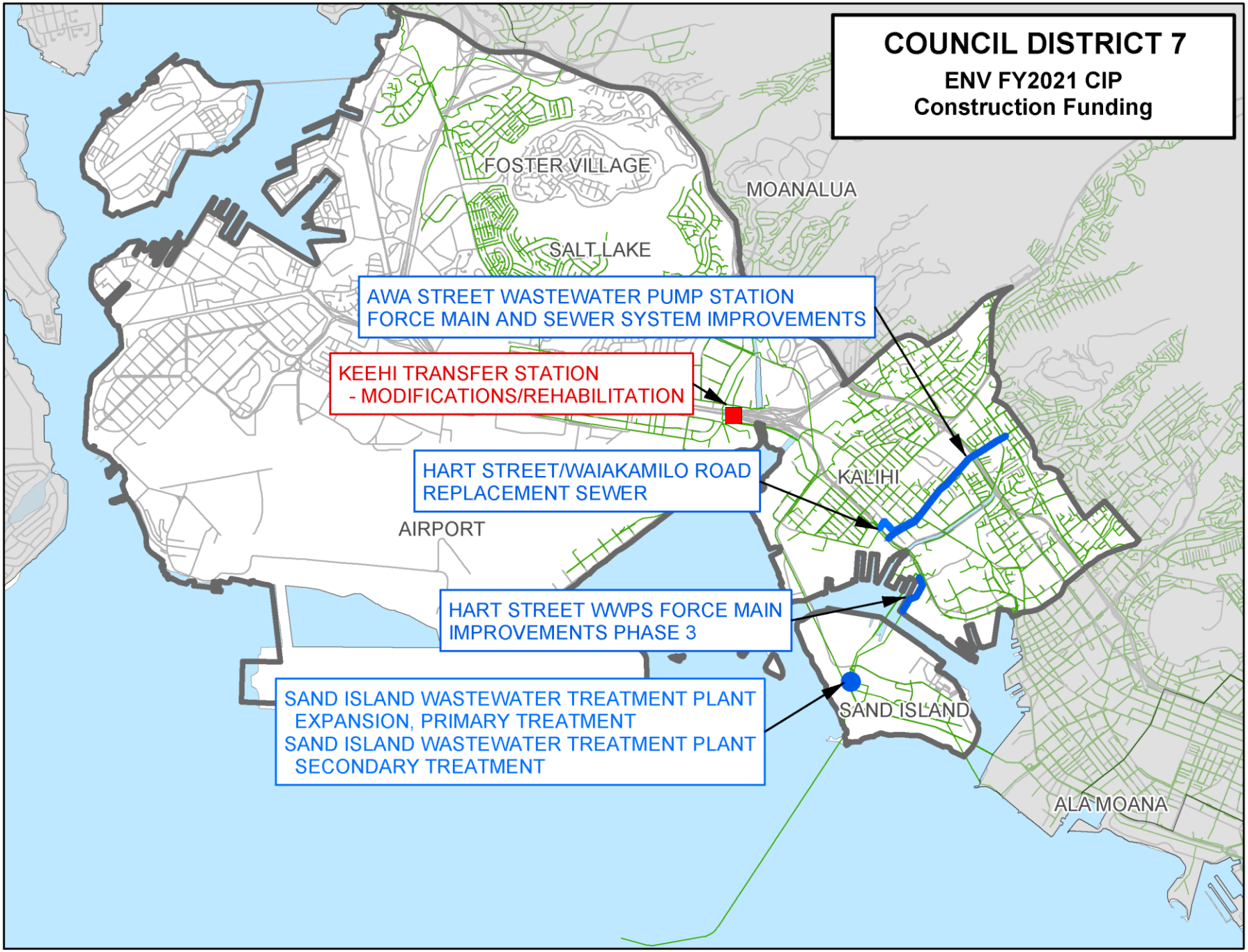

COUNCIL DISTRICT 2
ENV FY2021 CIP
Construction Funding
TURTLE BAY
KAHUKU
LAIE
KAWAILOA TRANSFER STATION
MODIFICATIONS/REHABILITATION
HALEIWA
WAHIAWA
SEWER I/I RELIEF AND
REHABILITATION PROJECTS
-WINDWARD AREA
MILILANI
MAUKA
KAHALUU
Council
District 1
Council
District 9
Council
District 8

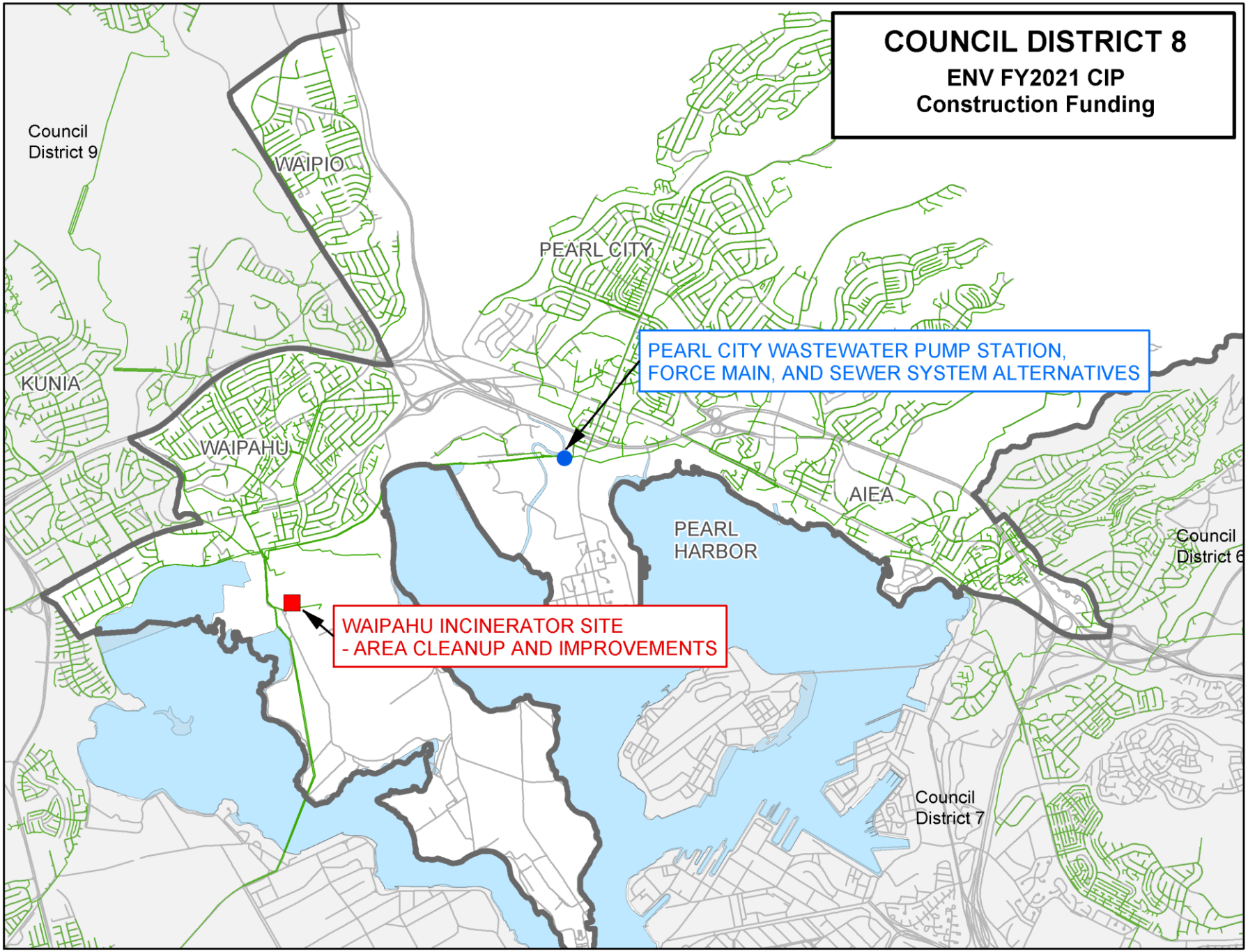

COUNCIL DISTRICT 3
ENV FY2021 CIP
Construction Funding
Council District 2
HEEIA WASTEWATER PUMP STATION IMPROVEMENTS
KANEOHE
KAILUA
KAILUA WASTEWATER TREATMENT PLANT UPGRADE, PHASE 2
KAILUA WWTP
- PRIMARY AND SECONDARY TANK REHABILITATION
KAPAA TRANSFER STATION RENOVATION
SEWER I/I RELIEF AND REHABILITATION PROJECTS - WINDWARD AREA
Council District 6
WAIMANALO
Council District 5


COUNCIL DISTRICT 4
ENV FY2021 CIP
Construction Funding
Council District 6
Council District 3
Council District 5
MANOA
BEACHWALK
WASTEWATER PUMP STATION
FORCE MAIN SYSTEM
PALOLO
HAWAII KAI
KULIOUOU
NIU VALLEY
WAIALAE IKI
AINA HAINA
WAIKIKI
KAIMUKI
KAHALA
HONOLULU AREA
WASTEWATER PUMP STATION
FACILITIES IMPROVEMENTS


COUNCIL DISTRICT 5
ENV FY2021 CIP
Construction Funding
Council
District 6
MANOA
PUNCHBOWL
PALOLO
BERETANIA STREET
SEWER IMPROVEMENTS
SEWER I/I RELIEF AND
REHABILITATION PROJECTS
- ALA MOANA TRIBUTARY BASIN
Council
District 4
BEACHWALK WASTEWATER PUMP STATION
FORCE MAIN SYSTEM
MCCULLY
WAIKIKI
KAIMUKI


COUNCIL DISTRICT 6
ENV FY2021 CIP
Construction and Land Funding
Council
District 8
AIEA
MOANALUA
Council
District 7
KALIHI
Council
District 5
DOWSETT HIGHLANDS
RELIEF SEWER
ALA MOANA WASTEWATER
PUMP STATION UPGRADE
MANOA
SAND ISLAND
ALA MOANA


COUNCIL DISTRICT 7
ENV FY2021 CIP
Construction Funding
FOSTER VILLAGE
MOANALUA
SALT LAKE
AWA STREET WASTEWATER PUMP STATION
FORCE MAIN AND SEWER SYSTEM IMPROVEMENTS
KEEHI TRANSFER STATION
- MODIFICATIONS/REHABILITATION
HART STREET/WAIAKAMILO ROAD
REPLACEMENT SEWER
KALIHI
AIRPORT
HART STREET WWPS FORCE MAIN
IMPROVEMENTS PHASE 3
SAND ISLAND WASTEWATER TREATMENT PLANT
EXPANSION, PRIMARY TREATMENT
SAND ISLAND WASTEWATER TREATMENT PLANT
SECONDARY TREATMENT
SAND ISLAND
ALA MOANA


COUNCIL DISTRICT 8
ENV FY2021 CIP
Construction Funding
Council
District 9
WAIPIO
PEARL CITY
KUNIA
WAIPAHU
PEARL CITY WASTEWATER PUMP STATION,
FORCE MAIN, AND SEWER SYSTEM ALTERNATIVES
AIEA
PEARL
HARBOR
Council
District 6
WAIPAHU INCINERATOR SITE
- AREA CLEANUP AND IMPROVEMENTS
Council
District 7

FY 2021 DEPARTMENT OPERATING APPROPRIATION

	FY 20	FY 21	$ Change	% Change
Solid Waste	$167,160,598	$169,437,707	$2,277,109	+1.4
Wastewater	127,244,357	130,961,926	3,717,569	+2.9
TOTAL	$294,404,955	$300,399,633	$5,994,678	+2.0

FY 2021 DEPARTMENT OPERATING SUMMARY

	FY 2020	FY 2021	$ Change	% Change
Salary	$73,132,376	$77,109,413	$3,977,037	+5.4
Current Expense	221,272,579	222,390,220	1,117,641	+0.5
Equipment	0	900,000	900,000	
TOTAL	$294,404,955	$300,399,633	$5,994,678	+2.0

ENV FY 2021 SALARIES

	FY2020	FY 2021	$ Change	% Change
Administration	$2,552,293	$2,676,679	+$124,386	+4.9
Environmental Quality	5,318,651	5,374,530	+55,879	+1.1
Collection Syst Maintenance	13,388,036	13,775,892	+387,856	+2.9
WW Treatment and Disposal	24,624,401	27,111,973	+2,487,572	+10.1
WW Engineering and Construction	751,434	1,016,255	+264,821	+35.2
Refuse	26,497,561	27,154,084	+656,523	+2.5
TOTAL	$73,132,376	$77,109,413	+3,977,037	+5.4

Department of Environmental Services
Special and Grant Funded Vacancies
(Budgeted in Agency Salaries)

	Positions
Vacant Positions as of 2/1/2020*	242
Disposition of funded vacancies:	
To be filled before July 1, 2020	124
To be filled in FY 2021	118
No. of vacant positions that may be abolished	0

*Reflects the deletion of 19 deactivated positions.

Department of Environmental Services
General/Subsidized Funded Vacancies
(Budgeted in Provision for Vacant Positions)

	Positions
Vacant Positions as of 2/1/2020*	43
Disposition of funded vacancies:	
To be filled before July 1, 2020	29
To be filled in FY 2021**	14
No. of vacant positions that may be abolished	0

**Reflects the deletion of 41 deactivated positions.*

***Funding in the Provision for Vacant Positions account has been reduced*

ENV FY 2021 CURRENT EXPENSE

DIVISION	FY 2020	FY 2021	$ Change	% Change
Administration	$8,879,595	$8,027,585	-$852,010	-9.6
Environmental Quality	4,755,555	1,529,695	-3,225,860	-67.8
Collection System Maintenance	12,280,000	13,503,000	+1,223,000	+10.0
WW Treatment and Disposal	54,051,651	57,309,373	+3,257,722	+6.0
WW Engineering and Construction	1,015,930	1,017,930	+2,000	+.2
Refuse	140,289,848	141,002,637	+712,789	+0.5
TOTAL	$221,272,579	$222,390,220	+$1,117,641	+0.5

FY 2021 DEPARTMENT OPERATING EQUIPMENT

	FY 2020	FY 2021	$ Change
Refuse	0	$900,000	+$900,000
TOTAL	0	$900,000	+$900,000

SOLID WASTE
OPERATING BUDGET APPROPRIATION

SOLID WASTE FUND	FY20	FY21	% CHANGE
Operations	$167,160,598	$169,437,707	+1.4
Non-Salary Personnel Costs	22,982,773	24,221,972	+5.4
Provision for Vacant Positions	2,262,427	3,423,362	+51.3
Debt Service(GO Bonds)	43,859,449	44,419,891	+1.3
Support by Other City Agencies	23,559,899	23,333,613	-1.0
SUB-TOTAL	259,825,146	264,836,545	+1.9
LEGISLATIVE	11,000	12,000	9.1
TOTAL	$259,836,146	$264,848,545	+1.9

WASTEWATER
OPERATING BUDGET APPROPRIATION

SEWER FUND	FY 20	FY21	% Change
Operations/Related Costs	$127,244,357	$130,961,926	+2.9
Non-salary Personnel Costs	35,605,173	36,768,979	+3.3
Provision for Energy Cost	1,500,000	1,500,000	0.0
Provision for Vacant Positions	146,297	169,196	+15.7
Debt Service (GO Bonds)	86,669	77,817	-10.2
Debt Service (Revenue Bonds)	202,349,000	193,112,000	-4.6
Support by Other City Agencies	23,360,928	25,926,460	+11.0
SUBTOTAL	390,292,424	388,516,378	-0.5
LEGISLATIVE	60,000	60,000	0.00
TOTAL	$390,352,424	$388,576,378	-0.5

SOLID WASTE REVENUES

Revenue	FY 20 Estimate Operating Budget	FY 21 Estimate Operating Budget	% Change
- Tip Fees – Private Direct (H-Power)	$32,400,000	$31,185,000	-3.8
- Tip Fees – Other (H-Power)	22,940,000	21,700,000	-5.4
- Electrical Energy (H-Power)	70,000,000	70,000,000	0.0
- Investments	2,427,000	2,260,000	-6.9
- Disposal Charges (Landfill/Transfer Stations)	11,176,800	10,684,800	-4.4
- Other Revenue	640,700	640,700	0.0
TOTAL	$139,584,500	$136,470,500	-2.2

WASTEWATER REVENUES

	FY 20 Estimate Operating Budget	FY 21 Estimate Operating Budget	% Change
Sewer Service Charges	$453,430,350	$455,819,600	+0.5
System Facility Charges	10,902,400	10,902,400	0.0
Investments	21,113,000	7,229,879	-65.8
Others	3,751,641	3,295,594	-12.2
TOTAL	$489,197,391	$477,247,473	-2.4

Mahalo.

Questions?