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DEPARTMENT OF ENVIRONMENTAL SERVICES
FY 2017 CAPITAL AND OPERATING BUDGET
REQUEST
March 10, 2016

DEPARTMENT OF ENVIRONMENTAL SERVICES

Director of Environmental Services
Kahikina, Lori

Deputy Director of Environmental Services
Houghton, Timothy A.

Second Deputy Director
Tanimoto, Ross S.

OFFICE OF
ADMINISTRATIVE SUPPORT

DIVISION OF
REFUSE COLLECTION AND DISPOSAL

OFFICE OF ENVIRONMENTAL COMMUNICATIONS

DIVISION OF
COLLECTION SYSTEM MAINTENANCE

DIVISION OF
ENVIRONMENTAL QUALITY

DIVISION OF
WASTEWATER TREATMENT
AND DISPOSAL

ENV Departmental Programs FY 2017 BUDGET

	FY 16	FY 17	\$ Change	% Change
Operations	\$370,744,738	\$382,078,804	\$11,334,066	+3.1
Debt Service	209,791,000	208,320,000	-1,471,000	-0.7
Capital Program	239,322,000	525,760,300	286,438,300	+119.7
Total	\$819,857,738	\$1,116,159,104	\$296,301,366	+36.1

ENV FY2017 CIP

Wastewater -	\$490,730,700
Sewer Revenue Bonds -	\$ 372,824,000
Sewer Cash -	\$ 117,906,700
Solid Waste -	\$ 28,189,600
GO Bonds -	\$ 25,189,600
Solid Waste Cash -	\$ 3,000,000
Storm Water -	\$ 6,840,000
GO Bonds -	\$ 6,840,000

WASTEWATER FY2017 CIP

<u>PAGE NO.</u>	<u>PROJECTS</u>	<u>FY2017 TOTAL</u>	<u>PHASE</u>	<u>EPA/DOH REQUIREMENT</u>	<u>COMPLETION DEADLINE</u>
241	Ahuimanu Wastewater Preliminary Treatment Facility Force Main and Sewer Improvements	\$2,202,000	P, <u>D</u> , <u>C</u> , <u>I</u>	2010 Consent Decree; Force Main Assessment Follow-up	12/31/18
242	Ahuimanu Wastewater Pre-Treatment Facility Improvements and Equalization Facility – sewer cash funded	\$1,001,000	P, <u>D</u>	2010 Consent Decree; spill contingency improvements	n/a
245	Ala Moana – Kaka’ako Trunk Sewer– sewer cash funded	\$1,001,000	<u>P</u> ,D		
248	Ala Moana WWPS No. 3	\$30,001,000	<u>L</u> ,P		
249	Ala Moana WWPS Odor Control – sewer cash funded	\$501,000	<u>P</u> ,D		
255	Awa Street WWPS, Force Main and Sewer System Improvements	\$83,502,000	L,P, <u>D</u> , <u>C</u> , <u>I</u>	2010 Consent Decree	6/30/20
259	Beretania Street Sewer Improvements – sewer cash funded	\$251,000	<u>P</u> ,D		

WASTEWATER FY2017 CIP

<u>PAGE NO.</u>	<u>PROJECTS</u>	<u>FY2017 TOTAL</u>	<u>PHASE</u>	<u>EPA/DOH REQUIREMENT</u>	<u>COMPLETION DEADLINE</u>
263	Dowsett Highlands Relief Sewer	\$32,502,000	L,<u>P</u>,<u>D</u>,<u>C</u>,<u>I</u>	2010 Consent Decree	6/30/20
265	ENV Support Facilities, at Honouliuli WWTP – sewer cash funded	\$501,000	<u>P</u> , <u>D</u>		
266	Ewa Beach WWPS Force Main System Improvements – sewer cash funded	\$5,600,000	<u>D</u> , <u>C</u> , <u>I</u>	2010 Consent Decree; Force Main Assessment Follow-up	6/30/20
268	Halawa WWPS Force Main System Improvements	\$3,502,000	<u>D</u> , <u>C</u> , <u>I</u>	2010 Consent Decree; Force Main Assessment Follow-up	12/31/19
270	Hart Street WWPS Improvements Phase 3 – sewer cash funded	\$901,000	<u>P</u> , <u>D</u>	2010 Consent Decree; Force Main Condition Assessment Follow-up	12/31/19
272	Hele Street Sewer Relief/Rehabilitation, Kailua – sewer cash funded	\$10,401,000	<u>D</u>,<u>C</u>,<u>I</u>	2010 Consent Decree	after 6/30/20
273	Honolulu Area WWPS Facilities Improvements – sewer cash funded	\$400,000	<u>D</u>		
274	Honouliuli Wastewater Basin Odor Control	\$1,501,000	<u>D</u> , <u>C</u> , <u>I</u>		

WASTEWATER FY2017 CIP

<u>PAGE NO.</u>	<u>PROJECTS</u>	<u>FY2017 TOTAL</u>	<u>PHASE</u>	<u>EP/DOH REQUIREMENT</u>	<u>COMPLETION DEADLINE</u>
277	Honouliuli WWTP Secondary Treatment	\$62,501,000	<u>P</u> , <u>D</u> , <u>C</u> , <u>I</u>	2010 Consent Decree; design NTP by 1/1/17, construction NTP by 1/1/19	6/1/24
279	Honouliuli WWTP Upgrade, Phase 2 – sewer cash funded	\$10,801,000	<u>D</u> , <u>C</u> , <u>I</u>		
281	Kahala WWPS and Force Main System Improvements – sewer cash funded	\$1,300,000	<u>P</u> , <u>D</u>	2010 Consent Decree; Force Main Condition Assessment Follow-up	9/30/18
282	Kahanahou WWPS Upgrade and Sewer Improvements	\$3,700,000	<u>L</u> , <u>D</u> , <u>C</u> , <u>I</u>	2010 Consent Decree	6/30/20
283	Kailua Road WWPS Force Main System Improvements	\$3,101,000	<u>D</u> , <u>C</u> , <u>I</u>	2010 Consent Decree; Force Main Assessment Follow-up	6/30/18
287	Kailua WWTP Improvements	\$1,300,000	<u>D</u> , <u>I</u>		
289	Kailua WWTP – Solids Handling System Improvements – sewer cash funded	\$401,000	<u>P</u> , <u>D</u>		
290	Kailua WWTP –Tunnel Influent Pump Station and Headworks Facility	\$51,300,000	<u>D</u> , <u>C</u> , <u>I</u>	2010 Consent Decree	6/30/18

WASTEWATER FY2017 CIP

<u>PAGE NO.</u>	<u>PROJECTS</u>	<u>FY2017 TOTAL</u>	<u>PHASE</u>	<u>EPA/DOH REQUIREMENT</u>	<u>COMPLETION DEADLINE</u>
295	Kamehameha Highway WWPS Force Main System Improvements – sewer cash funded	\$6,300,000	<u>D,C,I</u>	2010 Consent Decree	6/30/20
300	Kaneohe / Kailua Sewer Tunnel	\$3,801,000	<u>D,C,I</u>	2010 Consent Decree	6/30/18
303	Kunia WWPS Force Main System Improvements – sewer cash funded	\$950,000	<u>P,D,C</u>		
314	Palolo Valley Sewer Rehabilitation – sewer cash funded	\$6,702,000	<u>L,P,D,C,I</u>	2010 Consent Decree	6/30/20
316	Project Management for Wastewater Projects – sewer cash funded	\$8,745,000	<u>X</u>	Required to execute mandated projects	n/a
321	Sand Island Wastewater Basin Odor Control	\$802,000	<u>D,C,I</u>		
324	Sand Island WWTP Expansion, Primary Treatment	\$7,000,000	<u>C</u>		
326	Sand Island WWTP Outfall Improvements/Rehabilitation	\$6,101,000	<u>P,D,C,I</u>		
327	Sand Island WWTP Return Flow Treatment	\$25,001,000	<u>P,D,C,I</u>		

WASTEWATER FY2017 CIP

<u>PAGE NO.</u>	<u>PROJECTS</u>	<u>FY2017 TOTAL</u>	<u>PHASE</u>	<u>EPA/DOH REQUIREMENT</u>	<u>COMPLETION DEADLINE</u>
328	Sand Island WWTP Secondary Treatment - sewer cash funded	\$4,001,000	<u>P</u> , <u>D</u>	2010 Consent Decree; Design NTP by 1/1/19 Phase 1 construction NTP by 1/1/22	12/31/35
331	Sewer Condition Assessment Program - sewer cash funded	\$2,500,000	<u>P</u>	2010 Consent Decree; Gravity Main Condition Assessment	6/30/20
333	Sewer I/I Relief & Rehabilitation Projects - Ala Moana Tributary Basin	\$17,502,000	<u>L</u> , <u>P</u> , <u>D</u> , <u>C</u> , <u>I</u>	2010 Consent Decree; Wet Weather Assessment Update	6/30/20
334	Sewer I/I Relief & Rehabilitation Projects - Hart St. Tributary Basin	\$31,702,000	<u>L</u> , <u>P</u> , <u>D</u> , <u>C</u> , <u>I</u>	2010 Consent Decree; Wet Weather Assessment Update	6/30/20
335	Sewer I/I Relief & Rehabilitation Projects – Leeward Area - sewer cash funded	\$202,000	<u>L</u> , <u>P</u> , <u>D</u>	2010 Consent Decree; Gravity Main R&R Program	6/30/20
336	Sewer I/I Relief & Rehabilitation Projects – Windward Area - sewer cash funded	\$603,000	<u>L</u> , <u>P</u> , <u>D</u> , <u>I</u>	2010 Consent Decree; Wet Weather Assessment Update	6/30/20
338	Sewer Mainline and Lateral Projects – sewer cash funded	\$19,500,000	<u>L</u> , <u>P</u> , <u>D</u> , <u>C</u> , <u>I</u>	2010 Consent Decree; Gravity Main R&R Program	6/30/20

WASTEWATER FY2017 CIP

<u>PAGE NO.</u>	<u>PROJECTS</u>	<u>FY2017 TOTAL</u>	<u>PHASE</u>	<u>EPA/DOH REQUIREMENT</u>	<u>COMPLETION DEADLINE</u>
343	Wahiawa, Whitmore Village and Makakilo Area WWPS and Facilities Improvements - sewer cash funded	\$201,000	<u>P, D</u>		
345	Waianae WWTP Improvements/Upgrade	\$1,501,000	<u>P, D, C, I</u>		
346	Waianae WWTP Outfall Improvements/Rehabilitation - sewer cash funded	\$101,000	<u>P, D</u>		
349	Waikalua WWPS Upgrade and Alternative Diversion Sewer	\$1,801,000	<u>D, C, I</u>	2010 Consent Decree	after 6/30/20
350	Waikapoki WWPS Upgrade	\$2,501,000	<u>D, C, I</u>	2010 Consent Decree	6/30/20
354	Waimalu WWPS Force Main System - sewer cash funded	\$801,000	<u>P, D</u>	2010 Consent Decree; Force Main Condition Assessment Follow-up	9/30/18
359	Wastewater Equipment – sewer cash funded	\$9,824,700	<u>E</u>		
360	Wastewater Facilities Replacement Reserve – sewer cash funded	\$5,000,000	<u>X</u>	previous federal grant program requires an emergency reserve	n/a

WASTEWATER FY2017 CIP

<u>PAGE NO.</u>	<u>PROJECTS</u>	<u>FY2017 TOTAL</u>	<u>PHASE</u>	<u>EPA/DOH REQUIREMENT</u>	<u>COMPLETION DEADLINE</u>
361	Wastewater Planning and Programming – sewer cash funded	\$315,000	<u>X</u>	Required to execute mandated projects	n/a
362	Wastewater Program Management – sewer cash funded	\$2,502,000	<u>P,D,I</u>	Required to execute mandated projects	n/a
363	Wastewater Treatment Plant, Pump Station, and Force Main Projects – sewer cash funded	\$16,600,000	<u>P,D,C,I</u>	includes miscellaneous work required for 2010 Consent Decree	final deadline for coll. sys. work is 6/30/20
TOTAL =		\$490,730,700			

SOLID WASTE FY2017 CIP

<u>PAGE NO.</u>	<u>PROJECTS</u>	<u>FY2017 TOTAL</u>	<u>PHASE</u>
1	Procurement of Major Equipment (Solid Waste Equipment)	\$5,505,600	<u>E</u>
209	Kapaa Refuse Collection Facilities	\$680,000	<u>P,D,C,I</u>
210	Kapaa Transfer Station Renovation	\$150,000	<u>P,D</u>
211	Kawailoa Transfer Station – Loadout Modifications	\$250,000	<u>P,D</u>
213	Keehi Transfer Station – Loadout Modifications	\$350,000	<u>P,D</u>
214	Leeward Refuse Collection Baseyard and Convenience Center	\$501,000	<u>P,D</u>
217	Refuse Facilities Energy Savings Project	\$12,002,000	<u>D, C,I</u>

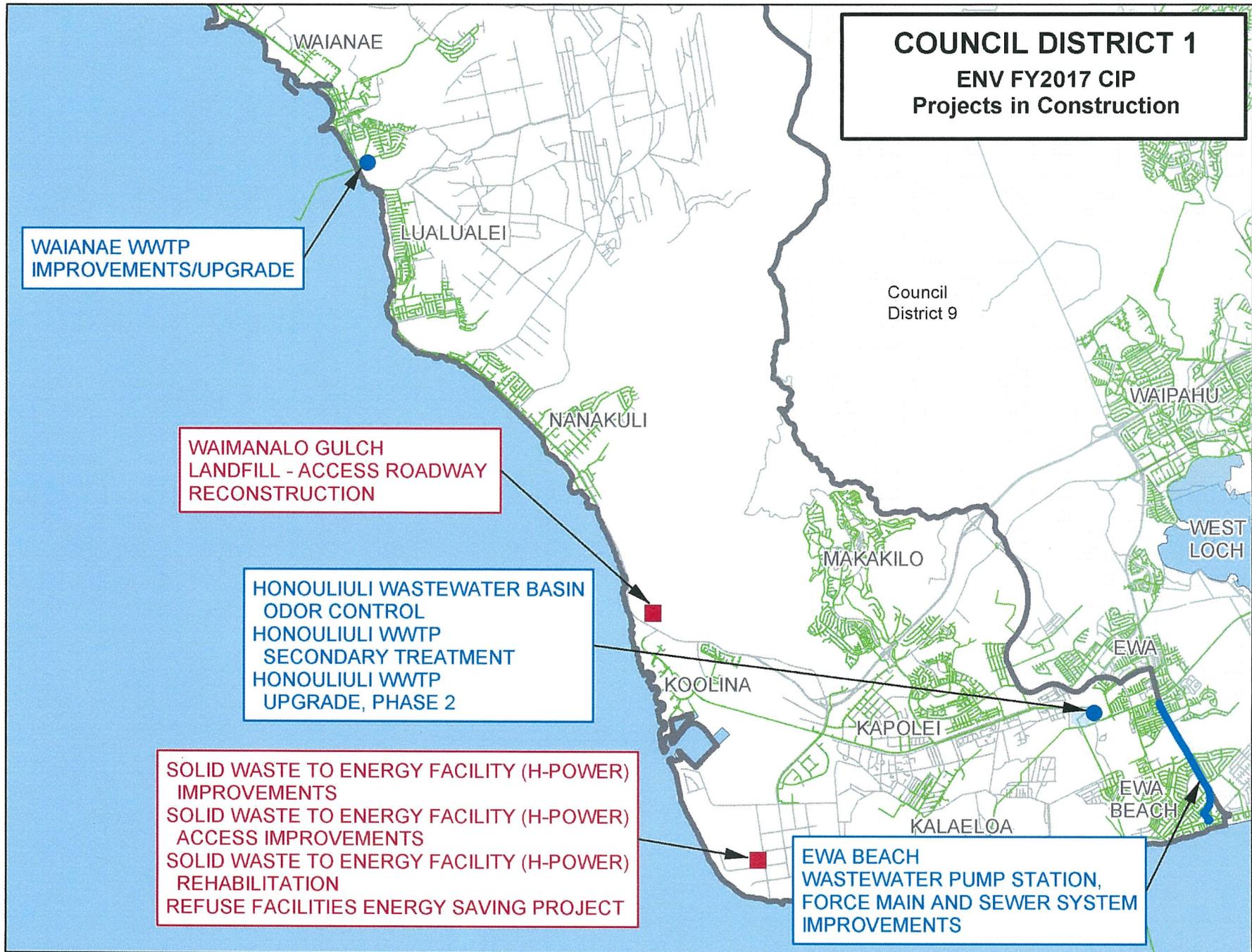
SOLID WASTE FY2017 CIP

<u>PAGE NO.</u>	<u>PROJECTS</u>	<u>FY2017 TOTAL</u>	<u>PHASE</u>
218	Refuse Facilities Improvements at Various Locations	\$1,600,000	<u>D,C,I</u>
220	Solid Waste to Energy Facility (H-Power) Access Improvements	\$550,000	<u>C,I</u>
221	Solid Waste to Energy Facility (H-Power) Improvements	\$2,000,000	<u>P,D,C,I</u>
223	Solid Waste to Energy Facility (H-Power) - Rehabilitation - solid waste cash funded	\$3,000,000	<u>D,C,I</u>
225	Waimanalo Gulch Landfill – Access Roadway Reconstruction	\$1,201,000	<u>P,D,C,I</u>
226	Waimanalo Gulch Landfill – Leachate Disposal Project	\$400,000	<u>P,D,C,I</u>
	TOTAL =	\$28,189,600	

COUNCIL DISTRICT 1

ENV FY2017 CIP

Projects in Construction



COUNCIL DISTRICT 3

ENV FY2017 CIP
Projects in Construction

KAHANAHOU WWPS UPGRADE
AND SEWER IMPROVEMENTS

Council
District 2

WAIKAPOKI WWPS
UPGRADE

WAIKALUA WWPS UPGRADE AND
ALTERNATIVE DIVERSION SEWER

KAILUA WWTP
TUNNEL INFLUENT PUMP STATION
AND HEADWORKS FACILITY

AHUIMANU WWPTF FORCE MAIN
AND SEWER IMPROVEMENTS

KANEOHE

KAILUA

KAILUA ROAD WWPS
FORCE MAIN SYSTEM
IMPROVEMENTS

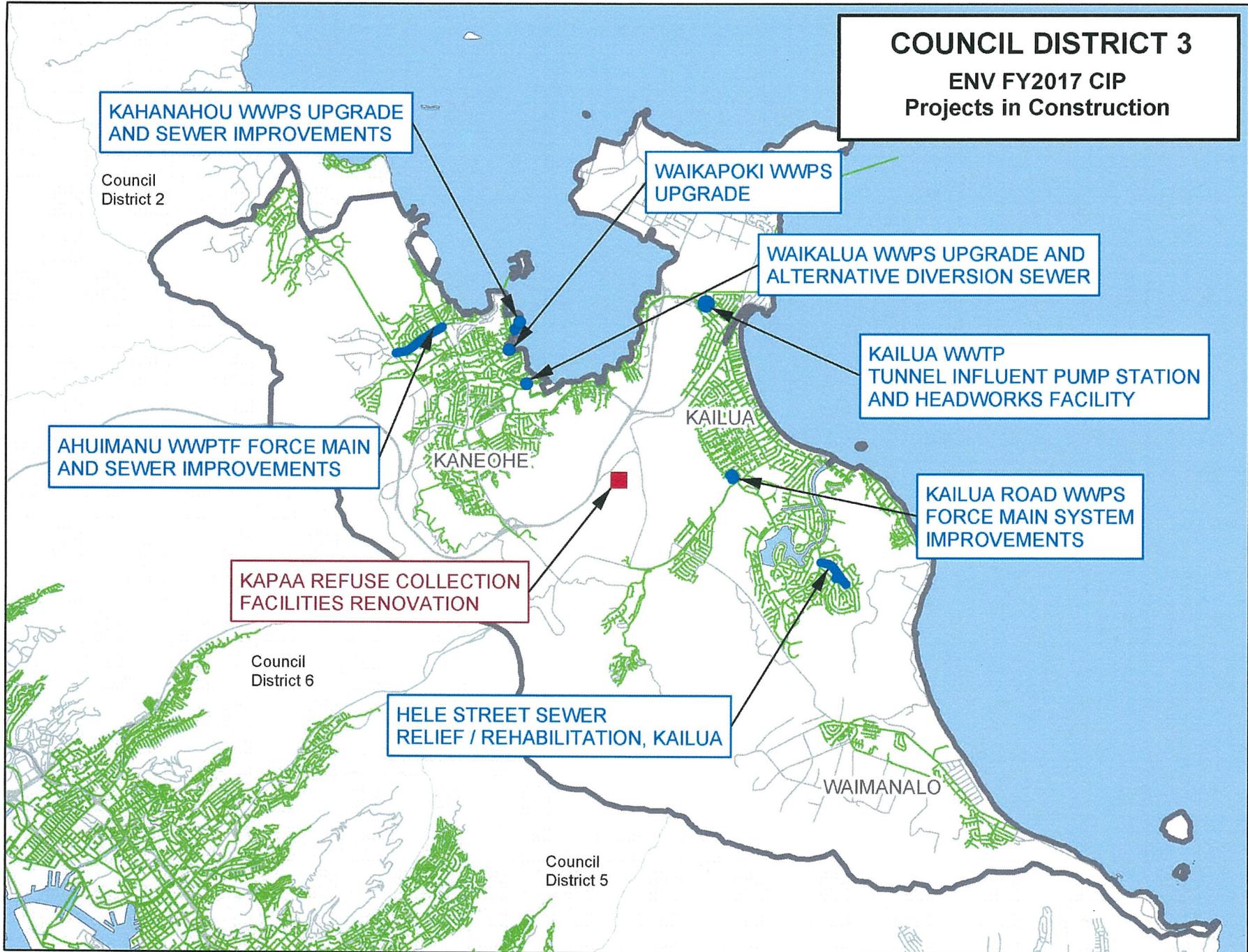
KAPAA REFUSE COLLECTION
FACILITIES RENOVATION

Council
District 6

HELE STREET SEWER
RELIEF / REHABILITATION, KAILUA

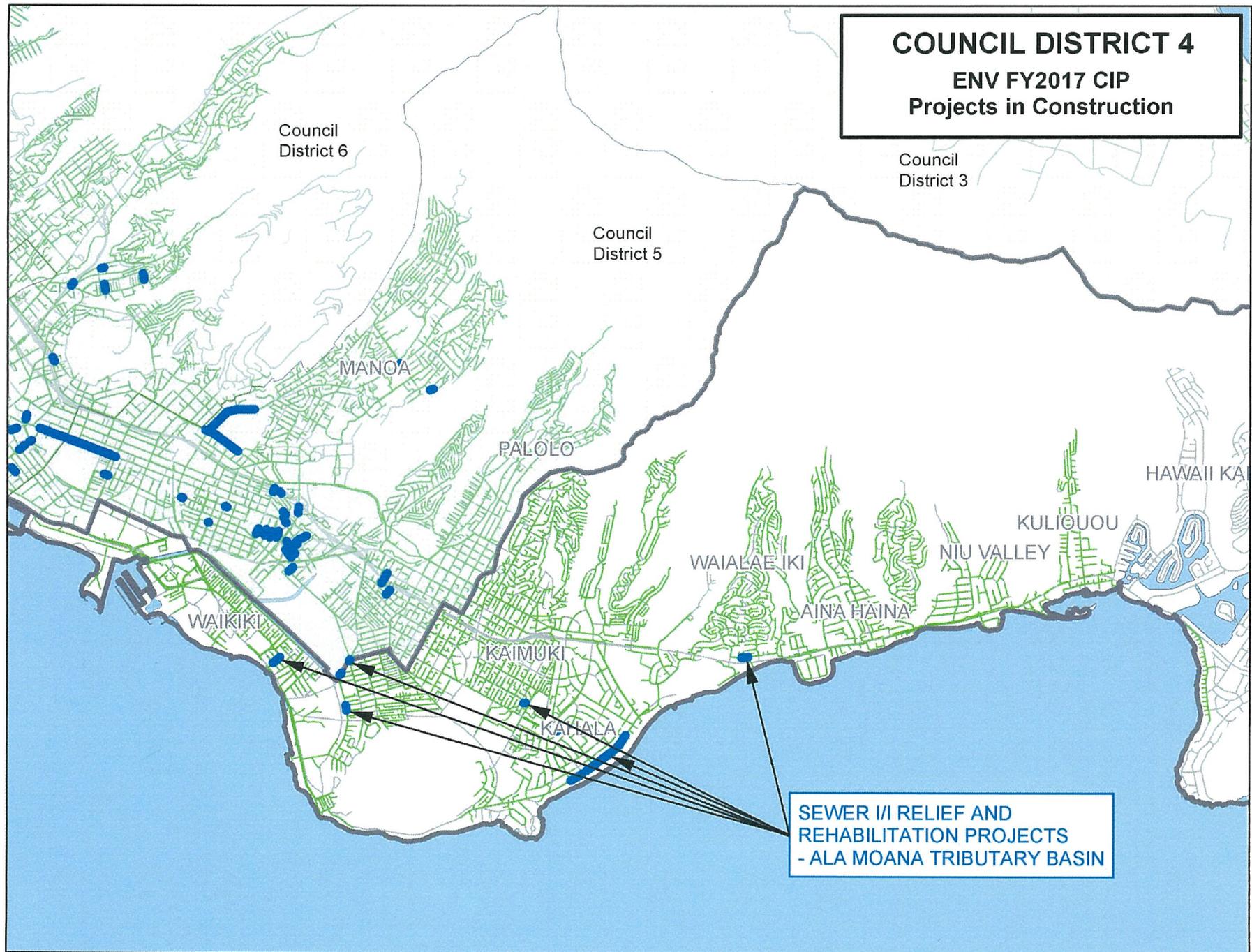
WAIMANALO

Council
District 5



COUNCIL DISTRICT 4

ENV FY2017 CIP
Projects in Construction



Council District 6

Council District 5

Council District 3

MANOA

PALOLO

HAWAII KAI

KULIQUOU

NIU VALLEY

WAIALAE IKI

AINA HAINA

WAIKIKI

KAIMUKI

KAHALA

SEWER I/I RELIEF AND REHABILITATION PROJECTS
- ALA MOANA TRIBUTARY BASIN

COUNCIL DISTRICT 5
ENV FY2017 CIP
Projects in Construction

Council District 6

SEWER I/I RELIEF AND REHABILITATION PROJECTS - ALA MOANA TRIBUTARY BASIN

PUNCHBOWL

MANOA

PALOLO

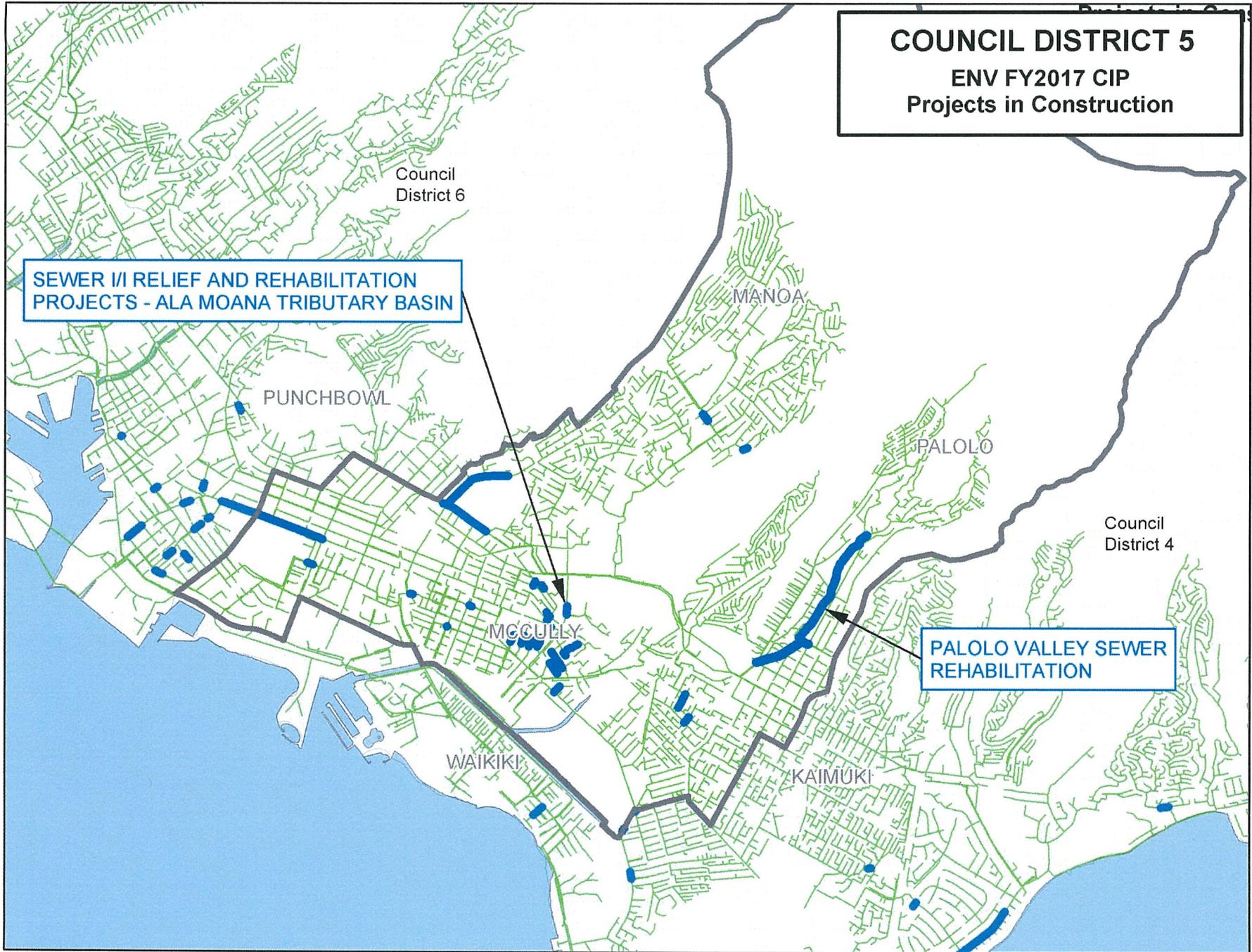
Council District 4

MCCULLY

PALOLO VALLEY SEWER REHABILITATION

WAIKIKI

KAIMUKI



COUNCIL DISTRICT 6

ENV FY2017 CIP
Projects in Construction

Council
District 8

AIEA

SEWER I/I RELIEF AND REHABILITATION
PROJECTS - HART STREET TRIBUTARY BASIN

MOANALUA

DOWSETT HIGHLANDS
RELIEF SEWER

SEWER I/I RELIEF AND
REHABILITATION PROJECTS
- ALA MOANA TRIBUTARY BASIN

Council
District 7

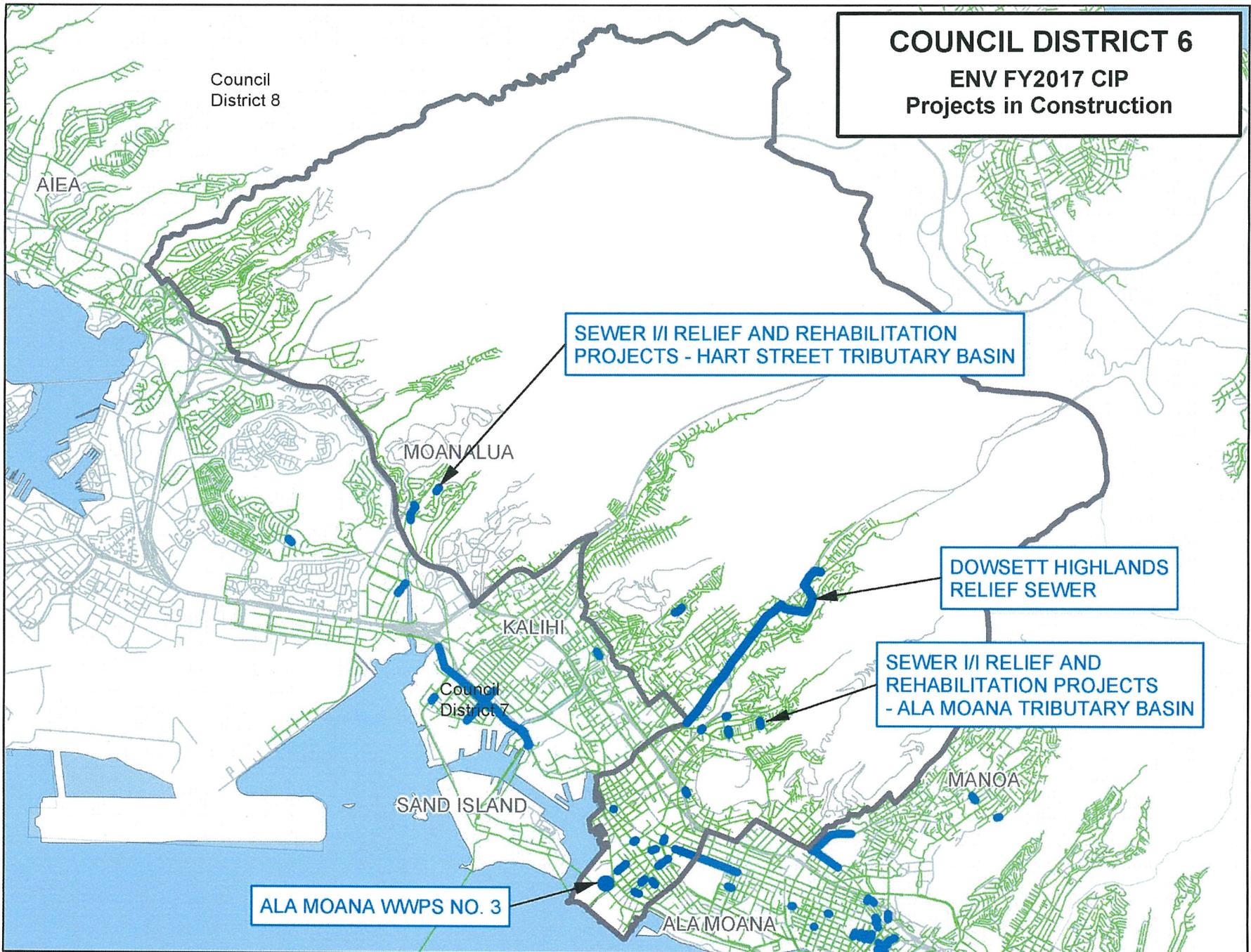
KALIHI

MANOA

SAND ISLAND

ALA MOANA WWPS NO. 3

ALA MOANA



COUNCIL DISTRICT 7
ENV FY2017 CIP
Projects in Construction

**HALAWA WWPS
FORCE MAIN SYSTEM
IMPROVEMENTS**

FOSTER VILLAGE

MOANALUA

SALT LAKE

AIRPORT

**KAMEHAMEHA HIGHWAY WWPS
FORCE MAIN SYSTEM
IMPROVEMENTS**

**SEWER I/I RELIEF AND
REHABILITATION PROJECTS
- HART ST. TRIBUTARY BASIN**

**AWA STREET WWPS FM AND
SEWER SYSTEM IMPROVEMENTS**

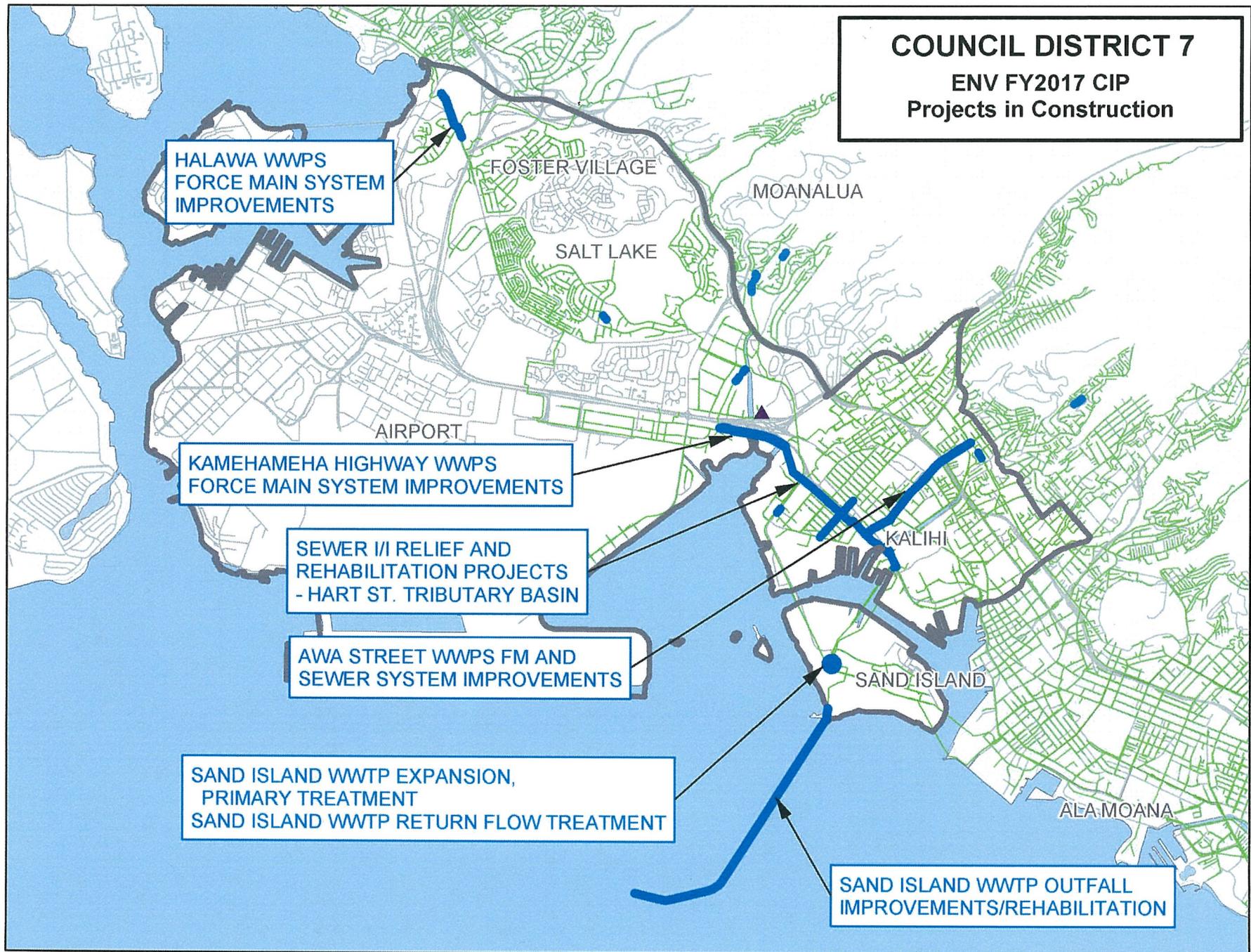
KALIHI

SAND ISLAND

**SAND ISLAND WWTP EXPANSION,
PRIMARY TREATMENT
SAND ISLAND WWTP RETURN FLOW TREATMENT**

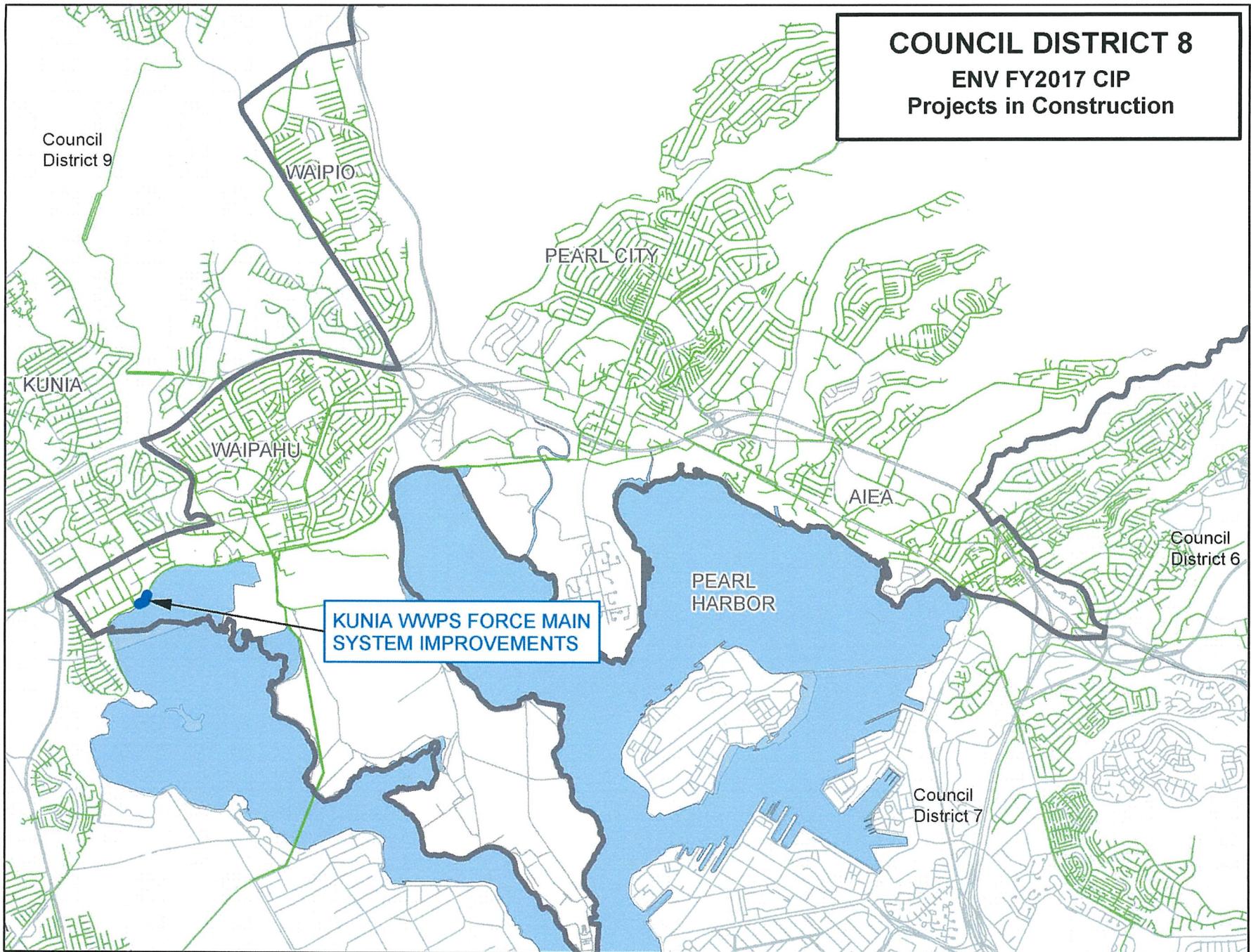
ALA MOANA

**SAND ISLAND WWTP OUTFALL
IMPROVEMENTS/REHABILITATION**



COUNCIL DISTRICT 8

ENV FY2017 CIP
Projects in Construction



FY 2017 DEPARTMENT OPERATING APPROPRIATION

	FY 16	FY 17	\$ Change	% Change
Solid Waste	162,949,018	162,921,738	-27,280	0
Wastewater	121,407,805	129,340,316	+7,932,511	+6.5
TOTAL	\$284,356,823	\$292,262,054	+7,905,231	+2.8

FY 2017 DEPARTMENT OPERATING SUMMARY

	FY 2016	FY 2017	\$ Change	% Change
Salary	\$59,979,325	\$62,750,074	+2,770,749	+4.6
Current Expense	218,402,798	229,511,980	+11,109,182	+5.1
Equipment	5,974,700	0	-5,974,700	-100.0
TOTAL	284,356,823	\$292,262,054	+7,905,231	+2.8

ENV FY 2017 SALARIES

	FY2016	FY 2017	\$ Change	% Change
Administration	\$2,562,834	\$2,781,769	+218,935	+8.5%
Environmental Quality	4,945,150	5,041,955	+96,805	+2.0%
Collection Syst Maintenance	11,529,557	12,318,898	+789,341	+6.8%
WW Treatment and Disposal	19,009,275	19,741,635	+732,360	+3.9%
Refuse	21,932,509	22,865,817	+933,308	+4.3%
TOTAL	\$59,979,325	\$62,750,074	+2,770,749	+4.6%

Sewer Funded Vacancies Budgeted in Agency's Salaries

	<u>Positions</u>
Vacant Positions as of 2/1/2016*	125
Disposition of funded vacancies:	
To be filled before July 1, 2016	76
To be filled in FY 2017	49

** Reflects the deletion of 59 deactivated positions*

Solid Waste Funded Vacancies
Budgeted in Provisional for Vacant Positions

	<u>Positions</u>
Vacant Positions as of 2/1/2016*	76
Disposition of funded vacancies:	
To be filled before July 1, 2016	59
To be filled in FY 2017	17

**Reflects the deletion of 47 deactivated positions*

ENV FY 2017 CURRENT EXPENSE

DIVISION	FY 2016	FY 2017	\$ Change	% Change
Administration	\$7,829,154	\$9,204,140	+1,374,986	+17.6%
Environmental Quality	2,850,360	4,718,335	+1,867,975	+65.5%
Collection System Maintenance	12,009,100	14,287,800	+2,278,700	+19.0%
WW Treatment and Disposal	61,504,891	62,032,585	+527,694	+0.9%
Refuse	134,209,293	139,269,120	+5,059,827	+3.8%
TOTAL	\$218,402,798	\$229,511,980	+11,109,182	+5.1%

FY 2017 DEPARTMENT EQUIPMENT

	FY 2016	FY 2017	\$ Change
Refuse	\$5,974,700	0	-\$5,974,700
TOTAL	\$5,974,700	0	-\$5,974,700

SOLID WASTE OPERATING BUDGET APPROPRIATION

SOLID WASTE FUND	FY16	FY17	% CHANGE
Operations	\$162,949,018	\$162,921,738	0.0%
Non-Salary Personnel Costs	15,715,000	18,331,000	+16.6%
Provision for Energy Costs	0	0	0
Provision for Vacant Positions	4,112,000	3,216,216	-21.8%
Debt Service(GO Bonds)	47,822,000	49,512,000	+3.5%
Support by Other City Agencies	23,449,676	21,853,790	-6.8%
SUB-TOTAL	254,047,694	255,834,744	+0.7%
LEGISLATIVE	12,300	12,600	2.4%
TOTAL	254,059,994	255,847,344	+0.7%

WASTEWATER

OPERATING BUDGET APPROPRIATION

SEWER FUND	FY 16	FY 17	% Change
Operations/Related Costs	\$121,407,805	129,340,316	+6.5
Non-salary Personnel Costs	23,084,000	23,441,000	+1.5
Provision for Energy Cost	1,500,000	1,500,000	0.0
Provision for Vacant Positions	86,000	111,717	29.9
Debt Service (GO Bonds)	2,446,000	2,471,000	+1.0
Debt Service (Revenue Bonds)	159,523,000	156,337,000	-2.0
Support by Other City Agencies	18,366,639	21,286,627	+15.9
SUBTOTAL	326,413,444	334,487,660	+2.5
LEGISLATIVE	60,500	62,000	+2.5
TOTAL	\$326,473,944	334,549,660	+2.5

SOLID WASTE REVENUES

Revenue	FY 16 Estimate Operating Budget	FY 17 Estimate Operating Budget	% Change
- Tip Fees – Private Direct (H-Power)	\$30,000,000	\$30,705,000	+2.4
Tip Fees – Other (H-Power)	16,000,000	21,500,000	+34.4
- Electrical Energy (H-Power)	69,900,000	70,000,000	+0.1
- Investments	121,000	179,000	+47.9
- Disposal Charges (Landfill/Transfer Stations)	8,800,000	8,645,000	-1.8
- Other Revenue	3,169,300	3,555,400	+12.2
- Residential Collection (General Fund)	110,348,052	102,125,349	-7.5
Refuse Collection Fee	0	0	0
TOTAL	238,338,352	236,709,749	-0.7
FROM PRIOR YEAR BALANCE	15,709,342	19,124,995	+21.7
TOTAL OPERATING BUDGET	254,047,694	255,834,744	+0.7

WASTEWATER REVENUES

	FY 16 Estimate Operating Budget	FY 17 Estimate Operating Budget	% Change
Sewer Service Charges	\$448,606,972	485,278,531	+8.2
System Facility Charges	10,276,800	10,585,600	+3.0
Investments	1,130,000	1,670,000	+47.8
Others	5,981,200	5,565,013	-7.0
TOTAL OPERATING BUDGET	465,994,972	503,099,144	+8.0

Mahalo.

Questions?