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DEPARTMENT OF ENVIRONMENTAL SERVICES
FY 2016 CAPITAL AND OPERATING BUDGET
REQUEST
March 12, 2015

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 2016 BUDGET

	FY 15	FY 16	Change	Percent Change
Operations	\$366,789,913	\$391,046,501	\$24,256,588	+6.6%
Debt Service	197,746,000	209,791,000	12,045,000	+6.1%
Capital Program	307,147,200	238,322,000	-68,825,200	-22.4%
Total	\$871,683,113	\$839,159,501	-\$32,523,612	-3.7%

ENV FY2016 CIP

Wastewater - \$212,620,000
Sewer Revenue Bonds - \$142,497,000
Sewer Cash - \$ 70,123,000

Solid Waste - \$ 19,827,000
GO Bonds - \$ 9,827,000
Solid Waste Cash - \$ 10,000,000

Storm Water - \$ 5,875,000
GO Bonds - \$ 5,875,000

WASTEWATER FY2016 CIP

<u>PAGE NO.</u>	<u>PROJECTS</u>	<u>FY2016 TOTAL</u>	<u>PHASE</u>	<u>EPA/DOH REQUIREMENT</u>	<u>COMPLETION DEADLINE</u>
243	Ahuimanu Wastewater Preliminary Treatment Facility Force Main	\$3,502,000	L,P, <u>D</u> , <u>C</u> , <u>I</u>	2010 Consent Decree; Force Main Assessment Follow-up	12/31/18
244	Ahuimanu Wastewater Pre-Treatment Facility Improvements and Equalization Facility	\$1,001,000	P, <u>D</u>	2010 Consent Decree; spill contingency improvements	n/a
254	Awa Street WWPS, Force Main and Sewer System Improvements	\$2,004,000	L,P, <u>D</u> , <u>C</u> , <u>I</u>	2010 Consent Decree	6/30/20
257	Beachwalk WWPS Force Main System –sewer cash funded	\$1,001,000	<u>P</u> , <u>D</u>	2010 Consent Decree; Force Main Assessment Follow-up	9/30/17
259	Chinatown Sewer Rehabilitation	\$10,801,000	D, <u>C</u> , <u>I</u>	2010 Consent Decree	6/30/20
261	Dowsett Highlands Relief Sewer – sewer cash funded	\$501,000	P, <u>D</u>	2010 Consent Decree	6/30/20
263	Ewa Beach WWPS Force Main System Improvements	\$2,500,000	<u>P</u> , <u>D</u> ,	2010 Consent Decree; Force Main Assessment Follow-up	6/30/20
266	Halawa WWPS Force Main System Improvements	\$2,302,000	P, <u>D</u> , <u>C</u> , <u>I</u>	2010 Consent Decree; Force Main Assessment Follow-up	12/31/19

WASTEWATER FY2016 CIP

<u>PAGE NO.</u>	<u>PROJECTS</u>	<u>FY2016 TOTAL</u>	<u>PHASE</u>	<u>EPA/DOH REQUIREMENT</u>	<u>COMPLETION DEADLINE</u>
270	Honolulu Area WWPS Facilities Improvements	\$801,000	P, <u>D</u>	Required for reliability assurance	n/a
271	Honouliuli Wastewater Basin Odor Control	\$10,701,000	P, <u>D</u> , <u>C</u> , <u>I</u>	Required to ensure air permit compliance	n/a
274	Honouliuli WWTP Outfall Improvements /Rehabilitation - sewer cash funded	\$601,000	P, <u>D</u>	Required for reliability assurance	n/a
275	Honouliuli WWTP Secondary Treatment	\$10,001,000	P, <u>D</u>	2010 Consent Decree; design NTP by 1/1/17, construction NTP by 1/1/19	6/1/24
280	Kahanahou WWPS Upgrade and Sewer Improvements	\$10,901,000	P, <u>D</u> , <u>C</u> , <u>I</u>	2010 Consent Decree	6/30/20
281	Kailua Road WWPS Force Main System Improvements	\$2,551,000	P, <u>D</u> , <u>C</u> , <u>I</u>	2010 Consent Decree; Force Main Assessment Follow-up	6/30/18
285	Kailua WWTP Outfall Improvements/Rehabilitation - sewer cash funded	\$602,000	L,P, <u>D</u>	Required for reliability assurance	n/a
287	Kailua WWTP –Tunnel Influent Pump Station and Headworks Facility	\$3,202,000	P, <u>D</u> , <u>C</u> , <u>I</u>	2010 Consent Decree	6/30/18

WASTEWATER FY2016 CIP

PAGE NO.	PROJECTS	FY2016 TOTAL	PHASE	EPA/DOH REQUIREMENT	COMPLETION DEADLINE
289	Kailua WWTP Upgrade, Phase 2	\$703,000	P, <u>D</u> , C, I	Required for reliability assurance	n/a
294	Kamehameha Highway WWPS Upgrade, Mapunapuna	\$7,601,000	D, <u>C</u> , <u>I</u>	2010 Consent Decree	after 6/30/20
299	Kaneohe / Kailua Sewer Tunnel	\$3,502,000	D, C, <u>I</u>	2010 Consent Decree	6/30/18
309	Maunawili WWPSs, Force Mains and Sewer Improvements, Kailua -sewer cash funded	\$701,000	L, <u>P</u> , <u>D</u>	Required for reliability assurance, and 2010 Consent Decree	after 6/30/20
316	Pearl City WWPS, Force Main, and Sewer System Alternatives	\$702,000	L, P, <u>D</u>	Required for reliability assurance	n/a
317	Project Management for Wastewater Projects – sewer cash funded	\$8,403,000	<u>P</u> , <u>D</u> , <u>I</u>	Required to execute mandated projects	n/a
318	Punawai WWPS and Force Main System Improvements, Kaneohe - sewer cash funded	\$401,000	L, <u>P</u> , <u>D</u>	Essential to maintain existing infrastructure	n/a
322	Sand Island Wastewater Basin Odor Control	\$16,301,000	P, <u>D</u> , <u>C</u> , <u>I</u>	Required to ensure air permit compliance	n/a

WASTEWATER FY2016 CIP

<u>PAGE NO.</u>	<u>PROJECTS</u>	<u>FY2016 TOTAL</u>	<u>PHASE</u>	<u>EPA/DOH REQUIREMENT</u>	<u>COMPLETION DEADLINE</u>
323	Sand Island WWTP and Sewer Basin Facilities – sewer cash funded	\$1,000,000	<u>P</u>	2010 Consent Decree; Facilities Planning includes Secondary Treatment requirement	n/a
326	Sand Island WWTP Improvements / Upgrade	\$801,000	<u>P, D</u>	Required for reliability assurance	n/a
327	Sand Island WWTP Outfall Improvements/Rehabilitation	\$3,001,000	<u>D, C, I</u>	Essential to maintain existing infrastructure	n/a
328	Sand Island WWTP Return Flow Treatment	\$3,101,000	<u>P, D, C, I</u>	Required to ensure permit compliance	n/a
332	Sand Island WWTP Headworks Screening Improvements	\$8,301,000	<u>P, D, C, I</u>	Required to ensure permit compliance	n/a
333	Sewer Condition Assessment Program - sewer cash funded	\$2,500,000	<u>P</u>	2010 Consent Decree; Gravity Main Condition Assessment	6/30/20
335	Sewer I/I Relief & Rehabilitation Projects - Ala Moana Tributary Basin	\$502,000	<u>L, P, D</u>	2010 Consent Decree; Wet Weather Assessment Update	6/30/20
336	Sewer I/I Relief & Rehabilitation Projects - Hart St. Tributary Basin – sewer cash funded	\$1,002,000	<u>L, P, D</u>	2010 Consent Decree; Wet Weather Assessment Update	6/30/20

WASTEWATER FY2016 CIP

<u>PAGE NO.</u>	<u>PROJECTS</u>	<u>FY2016 TOTAL</u>	<u>PHASE</u>	<u>EPA/DOH REQUIREMENT</u>	<u>COMPLETION DEADLINE</u>
337	Sewer I/I Relief & Rehabilitation Projects – Leeward Area	\$502,000	L, <u>P</u> , <u>D</u>	2010 Consent Decree; Wet Weather Assessment Update	6/30/20
338	Sewer I/I Relief & Rehabilitation Projects – Windward Area	\$402,000	L, <u>P</u> , <u>D</u>	2010 Consent Decree; Wet Weather Assessment Update	6/30/20
339	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
342	Uwalu WWPS Upgrade	\$802,000	<u>P</u> , <u>D</u> , <u>C</u> , <u>I</u>	Required for reliability assurance	n/a
345	Waianae Wastewater Facilities Plan - sewer cash funded	\$700,000	<u>P</u>	Required for reliability assurance	n/a
346	Waianae WWTP Improvements/Upgrade	\$19,401,000	<u>P</u> , <u>D</u> , <u>C</u> , <u>I</u>	Required for reliability assurance	n/a
347	Waianae WWTP Outfall Improvements/Rehabilitation - sewer cash funded	\$101,000	<u>P</u> , <u>D</u>	Required for reliability assurance	n/a
349	Waikalua WWPS Upgrade and Alternative Diversion Sewer	\$4,101,000	<u>P</u> , <u>D</u> , <u>C</u> , <u>I</u>	2010 Consent Decree	after 6/30/20

WASTEWATER FY2016 CIP

<u>PAGE NO.</u>	<u>PROJECTS</u>	<u>FY2016 TOTAL</u>	<u>PHASE</u>	<u>EPA/DOH REQUIREMENT</u>	<u>COMPLETION DEADLINE</u>
350	Waikapoki WWPS Upgrade	\$6,501,000	D, <u>C</u> ,I	2010 Consent Decree	6/30/20
354	Waimalu WWPS Modification/Upgrade - Sewer cash funded	\$301,000	P, <u>D</u>	Required for reliability assurance	n/a
356	Waipahu WWPS Force Main (New)	\$502,000	L,P, <u>D</u>	Required to meet population growth, reliability assurance	n/a
357	Waipio WWPS Upgrade	\$4,502,000	P,D, <u>C</u> ,I	Required for reliability assurance	n/a
359	Wastewater Equipment – sewer cash funded	\$9,113,000	<u>E</u>	Essential updates to existing equipment	n/a
360	Wastewater Facilities Replacement Reserve – sewer cash funded	\$5,000,000	<u>X</u>	previous federal grant program requires an emergency reserve	n/a
361	Wastewater Planning And Programming – sewer cash funded	\$295,000	<u>P</u>	Required to execute mandated projects	n/a
362	Wastewater Program Management – sewer cash funded	\$2,502,000	<u>P</u> ,D, I	Required to execute mandated projects	n/a

WASTEWATER FY2016 CIP

PAGE NO.	PROJECTS	FY2016 TOTAL	PHASE	EPA/DOH REQUIREMENT	COMPLETION DEADLINE
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
365	Windward Area WWPS Facilities Improvements – sewer cash funded	\$301,000	P, <u>D</u>	Required for reliability assurance	n/a
	TOTAL =	\$212,620,000			

SOLID WASTE FY2016 CIP

<u>PAGE NO.</u>	<u>PROJECTS</u>	<u>FY2016 TOTAL</u>	<u>PHASE</u>	
218	Leeward Refuse Collection Baseyard	\$250,000	<u>P</u>	Leeward population growth
221	Refuse Facilities Energy Savings Project	\$4,000,000	<u>D, C, I</u>	Proposed consent decree requirement
222	Refuse Facilities Improvements at Various Locations	\$1,350,000	<u>D,C,I</u>	Required to maintain existing infrastructure
224	Solid Waste to Energy Facility (H-Power) Access Improvements	\$525,000	<u>D,C</u>	Required for safety and traffic mitigation
225	Solid Waste to Energy Facility (H-Power) Improvements	\$3,702,000	<u>P,D,C,I</u>	Required for additional efficiency, reduce landfilling
227	Solid Waste to Energy Facility (H-Power) – Rehabilitation	\$10,000,000	<u>D,C,I</u>	Required to maintain existing infrastructure
	TOTAL =	\$19,827,000		

STORM WATER QUALITY FY2016 CIP

<u>PAGE NO.</u>	<u>PROJECTS</u>	<u>FY2016 TOTAL</u>	<u>PHASE</u>	
185	NPDES MS4 Structural BMPS for City Industrial Facilities	\$530,000	<u>P, D, C, I</u>	Mandated to meet Federal and State Requirements
186	NPDES MS4 Structural BMPS for Trash Reduction	\$570,000	<u>P, D, C, I</u>	Mandated to meet Federal and State Requirements
187	Storm Drainage Best Management Practices, Downtown-Chinatown	\$200,000	<u>P, D</u>	Mandated to meet Federal and State Requirements
189	Storm Drainage Best Management Practices in the Salt Lake Drainage System	\$170,000	<u>D, C, I</u>	Mandated to meet Federal and State Requirements
190	Storm Drainage Best Management Practices in the Vicinity of Kaelepulu Pond	\$1,120,000	<u>P, D, C, I</u>	Mandated to meet Federal and State Requirements

STORM WATER QUALITY FY2016 CIP

<u>PAGE NO.</u>	<u>PROJECTS</u>	<u>FY2016 TOTAL</u>	<u>PHASE</u>	
192	Storm Drainage BMPs in the Vicinity of Kuapa Pond	\$1,120,000	<u>P,D,C,I</u>	Mandated to meet Federal and State Requirements
193	Storm Drainage BMPs, Wailupe-Kuliouou-Niu Stream	\$570,000	<u>P,D,C,I</u>	Mandated to meet Federal and State Requirements
196	Storm Water Discharge (NPDES MS4) Retrofit Structural BMP Improvements Program	\$370,000	<u>P,D,C,I</u>	Mandated to meet Federal and State Requirements
198	Surface Water Discharge (NPDES MS4) Erosion Prone Area Improvements	\$1,225,000	<u>P,D,C,I</u>	Mandated to meet Federal and State Requirements

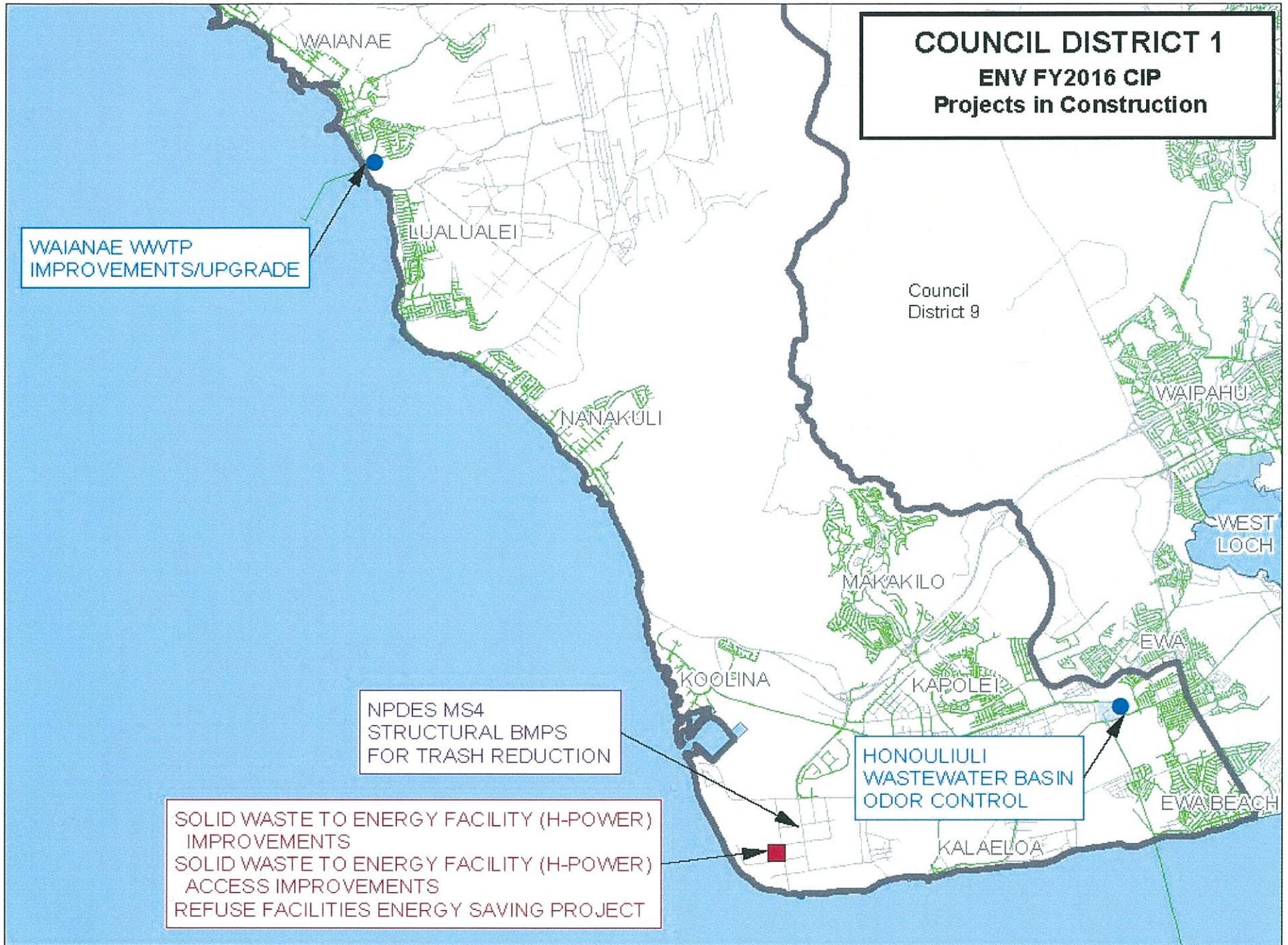
**COUNCIL DISTRICT 1
ENV FY2016 CIP
Projects in Construction**

WAIANAE WWTP
IMPROVEMENTS/UPGRADE

NPDES MS4
STRUCTURAL BMPs
FOR TRASH REDUCTION

SOLID WASTE TO ENERGY FACILITY (H-POWER)
IMPROVEMENTS
SOLID WASTE TO ENERGY FACILITY (H-POWER)
ACCESS IMPROVEMENTS
REFUSE FACILITIES ENERGY SAVING PROJECT

HONOULIULI
WASTEWATER BASIN
ODOR CONTROL



COUNCIL DISTRICT 2
ENV FY2016 CIP
Projects in Construction

UWALU WASTEWATER
PUMP STATION UPGRADE

WAHIAWA

SCHOFIELD
BARRACKS

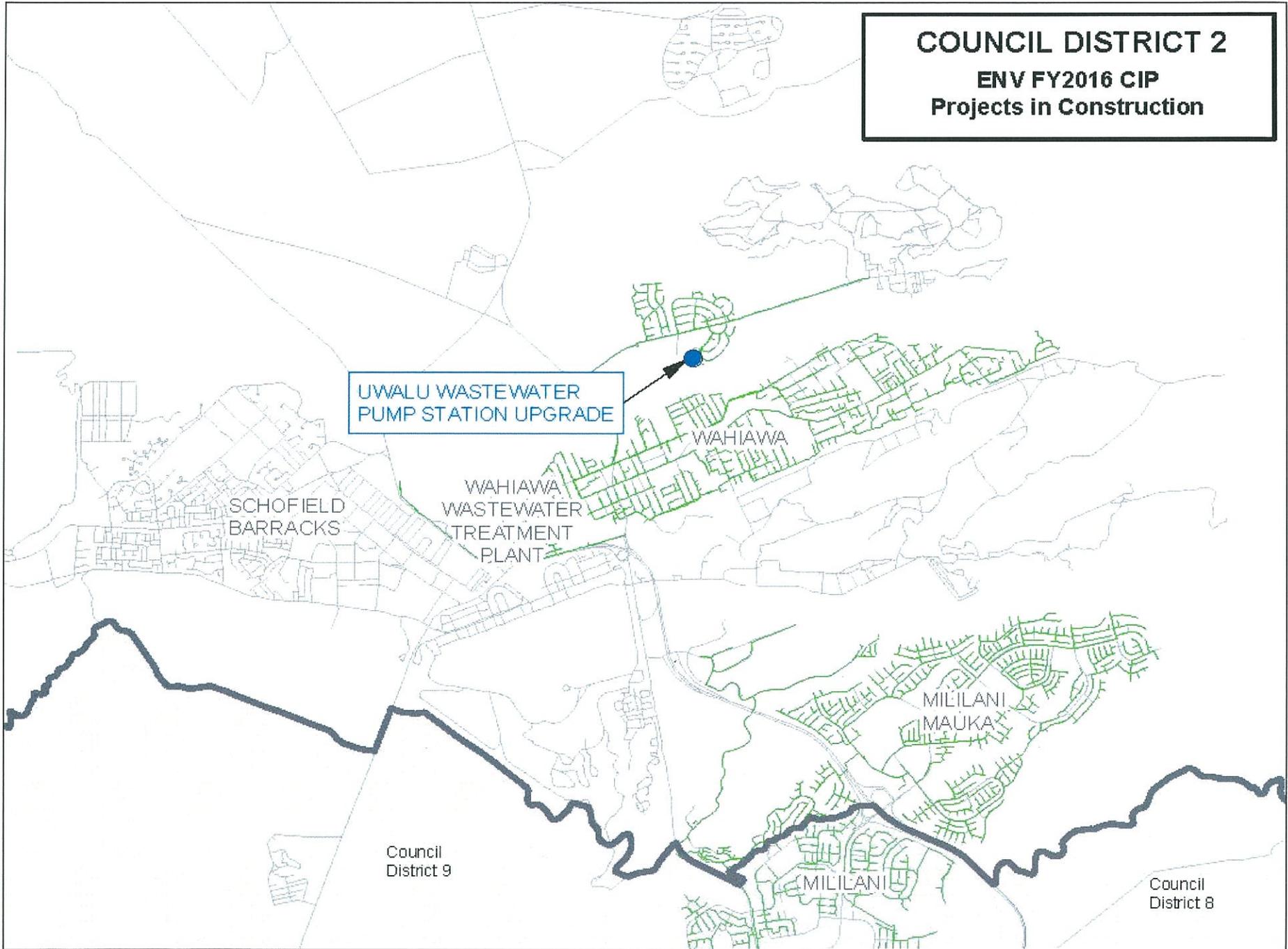
WAHIAWA
WASTEWATER
TREATMENT
PLANT

MILILANI
MAUKA

MILILANI

Council
District 9

Council
District 8



**COUNCIL DISTRICT 3
ENV FY2016 CIP
Projects in Construction**

KAHANAHOU WWPS UPGRADE
AND SEWER IMPROVEMENTS

Council
District 2

WAIKAPOKI WWPS
UPGRADE

AHUIMANU WASTEWATER
PRELIMINARY TREATMENT
FACILITY FORCE MAIN

WAIKALUA WWPS UPGRADE AND
ALTERNATIVE DIVERSION SEWER

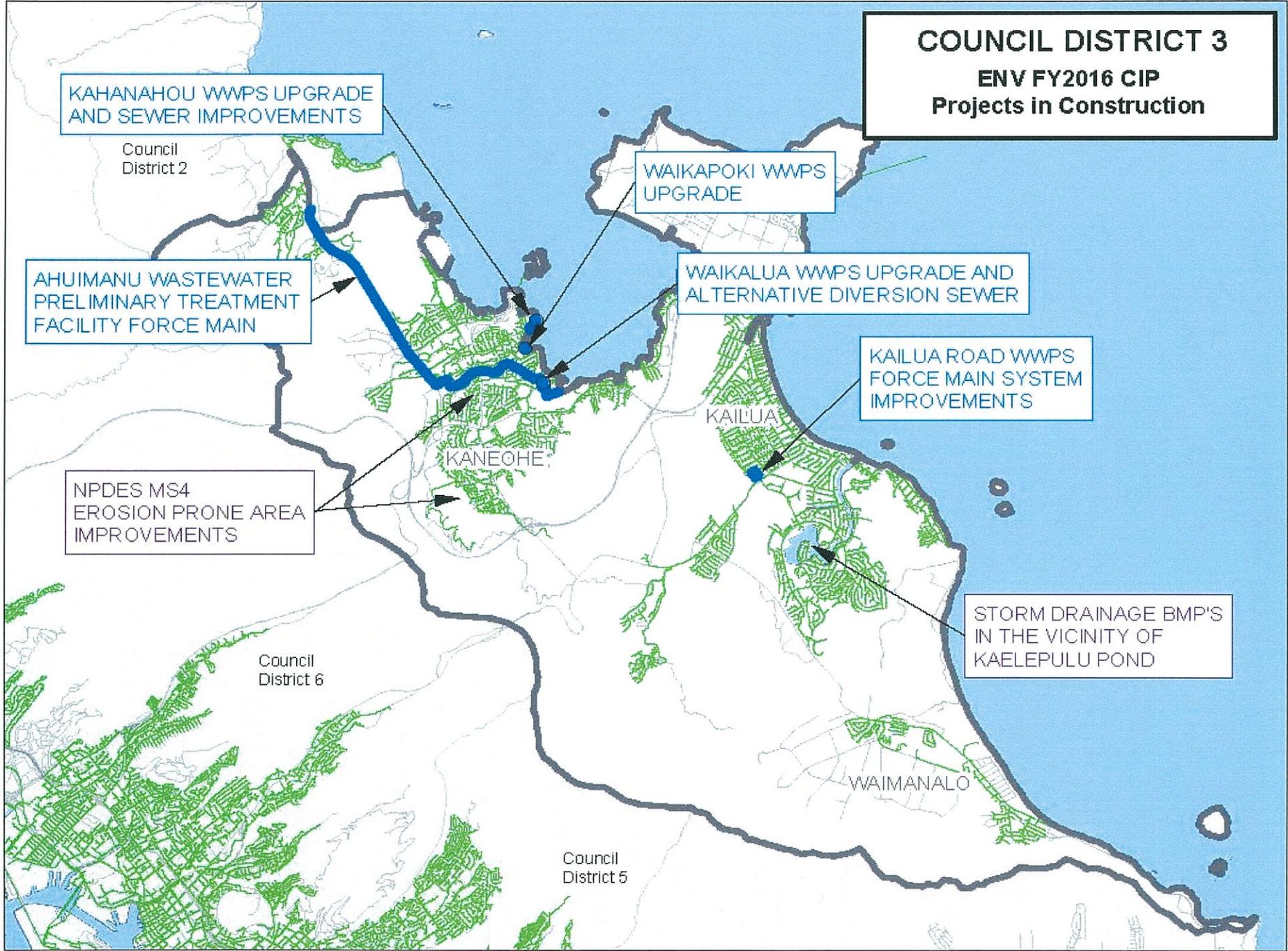
KAILUA ROAD WWPS
FORCE MAIN SYSTEM
IMPROVEMENTS

NPDES MS4
EROSION PRONE AREA
IMPROVEMENTS

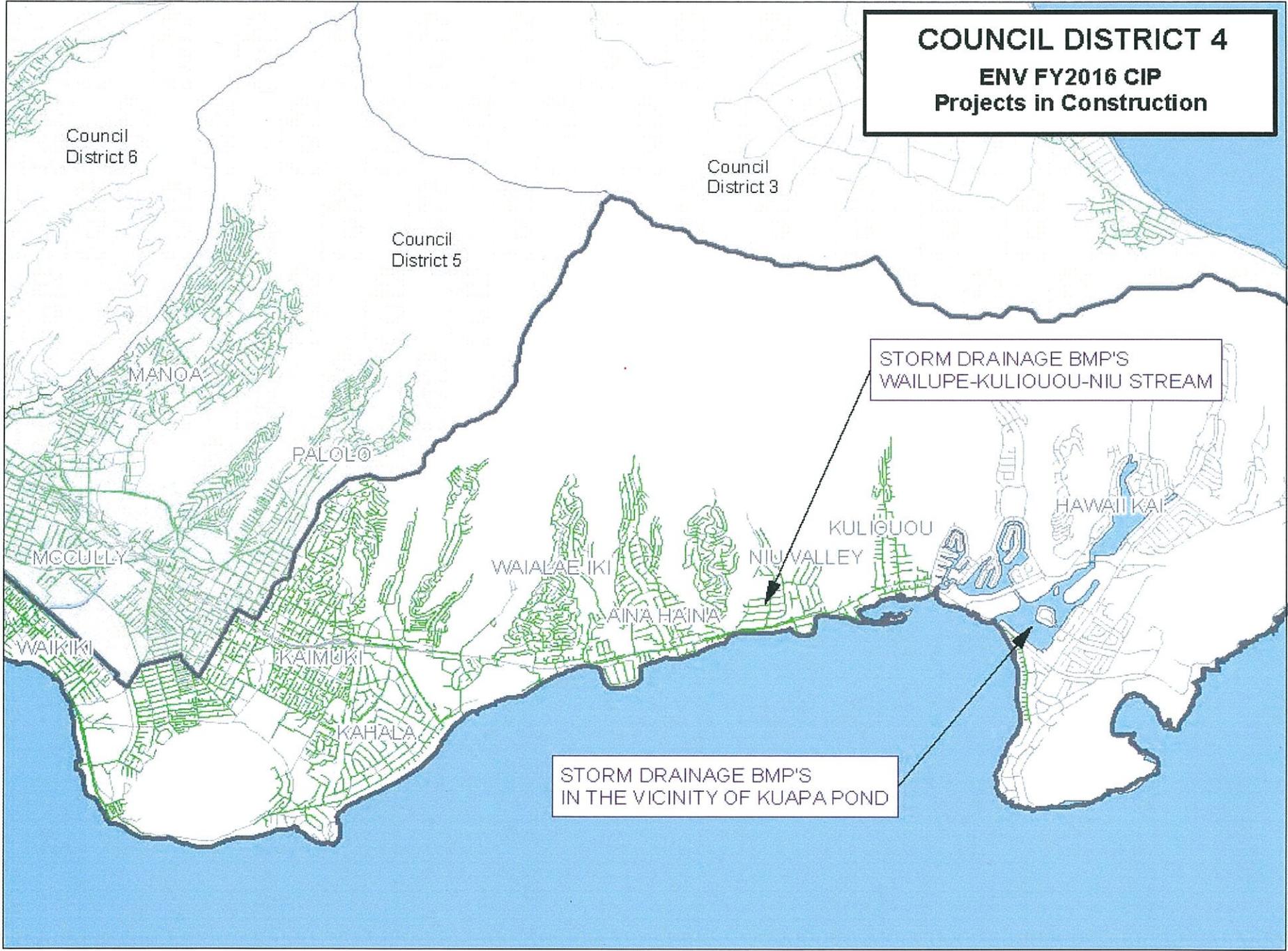
Council
District 6

STORM DRAINAGE BMP'S
IN THE VICINITY OF
KAELEPULU POND

Council
District 5



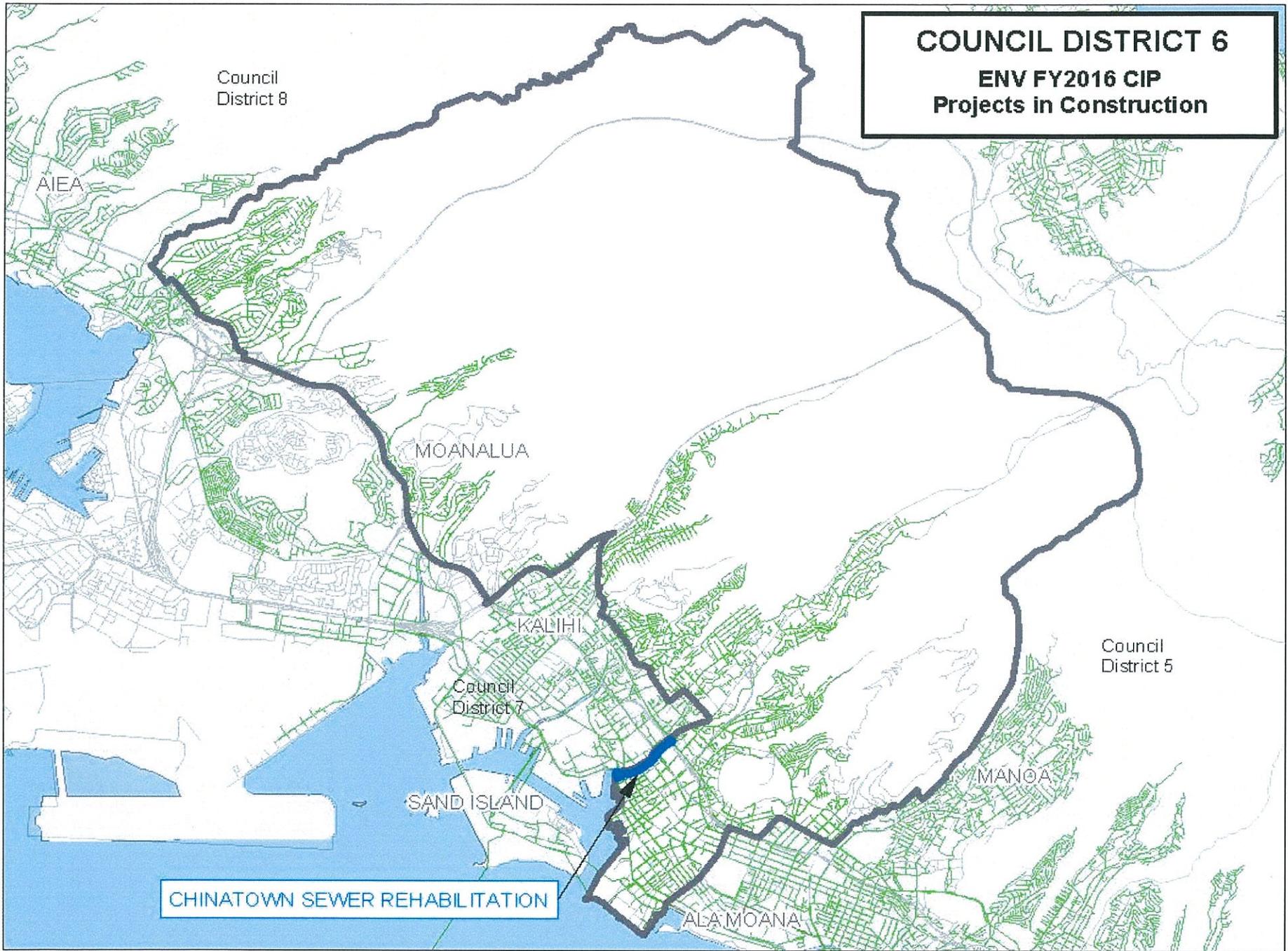
**COUNCIL DISTRICT 4
ENV FY2016 CIP
Projects in Construction**



STORM DRAINAGE BMP'S
WAILUPE-KULIQUOU-NIU STREAM

STORM DRAINAGE BMP'S
IN THE VICINITY OF KUAPA POND

COUNCIL DISTRICT 6
ENV FY2016 CIP
Projects in Construction



CHINATOWN SEWER REHABILITATION

**COUNCIL DISTRICT 7
ENV FY2016 CIP
Projects in Construction**

HALAWA WWPS
FORCE MAIN SYSTEM
IMPROVEMENTS

STORM DRAINAGE BMP'S
IN THE SALT LAKE
DRAINAGE SYSTEM

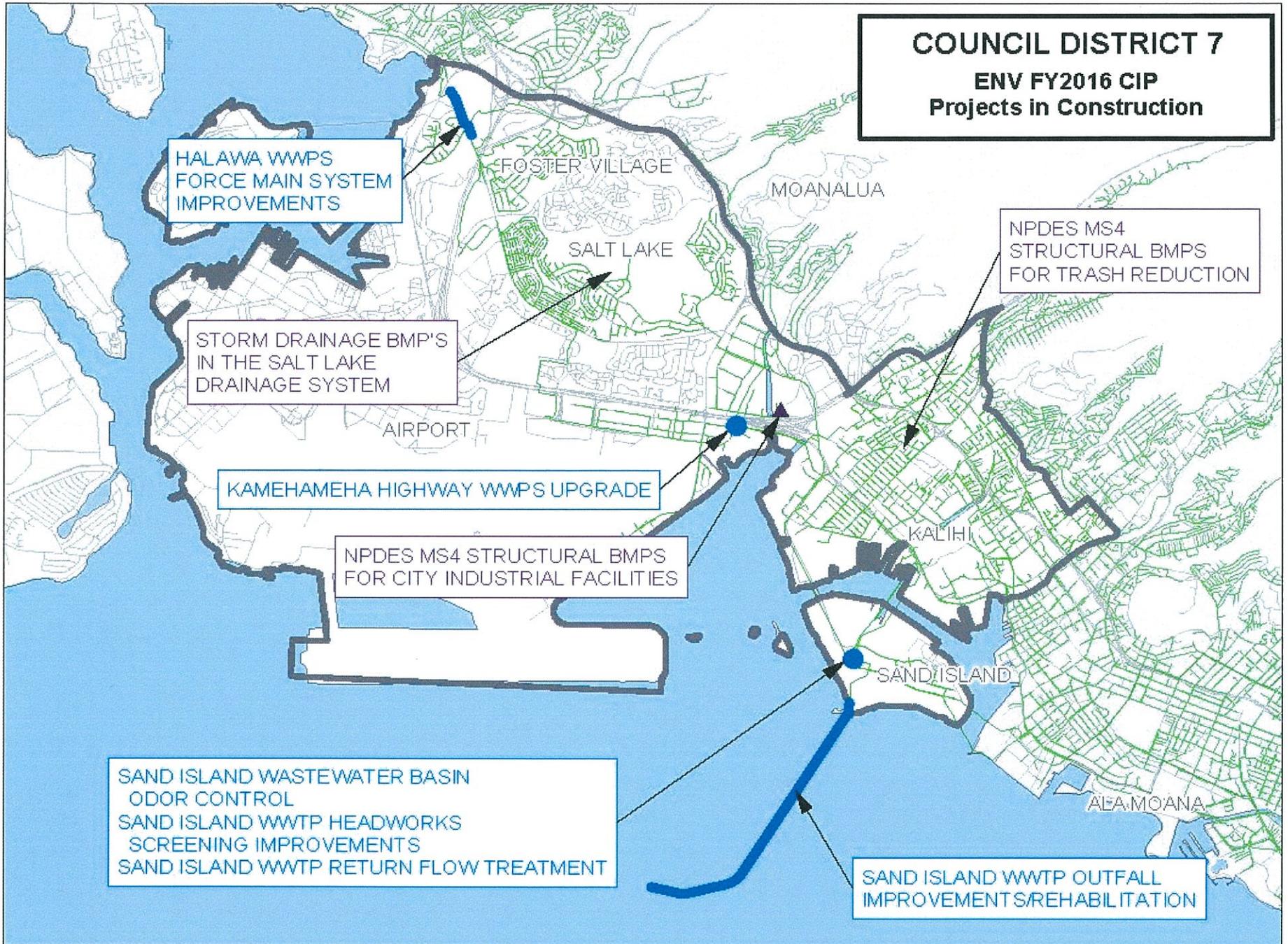
KAMEHAMEHA HIGHWAY WWPS UPGRADE

NPDES MS4 STRUCTURAL BMP'S
FOR CITY INDUSTRIAL FACILITIES

SAND ISLAND WASTEWATER BASIN
ODOR CONTROL
SAND ISLAND WWTP HEADWORKS
SCREENING IMPROVEMENTS
SAND ISLAND WWTP RETURN FLOW TREATMENT

SAND ISLAND WWTP OUTFALL
IMPROVEMENTS/REHABILITATION

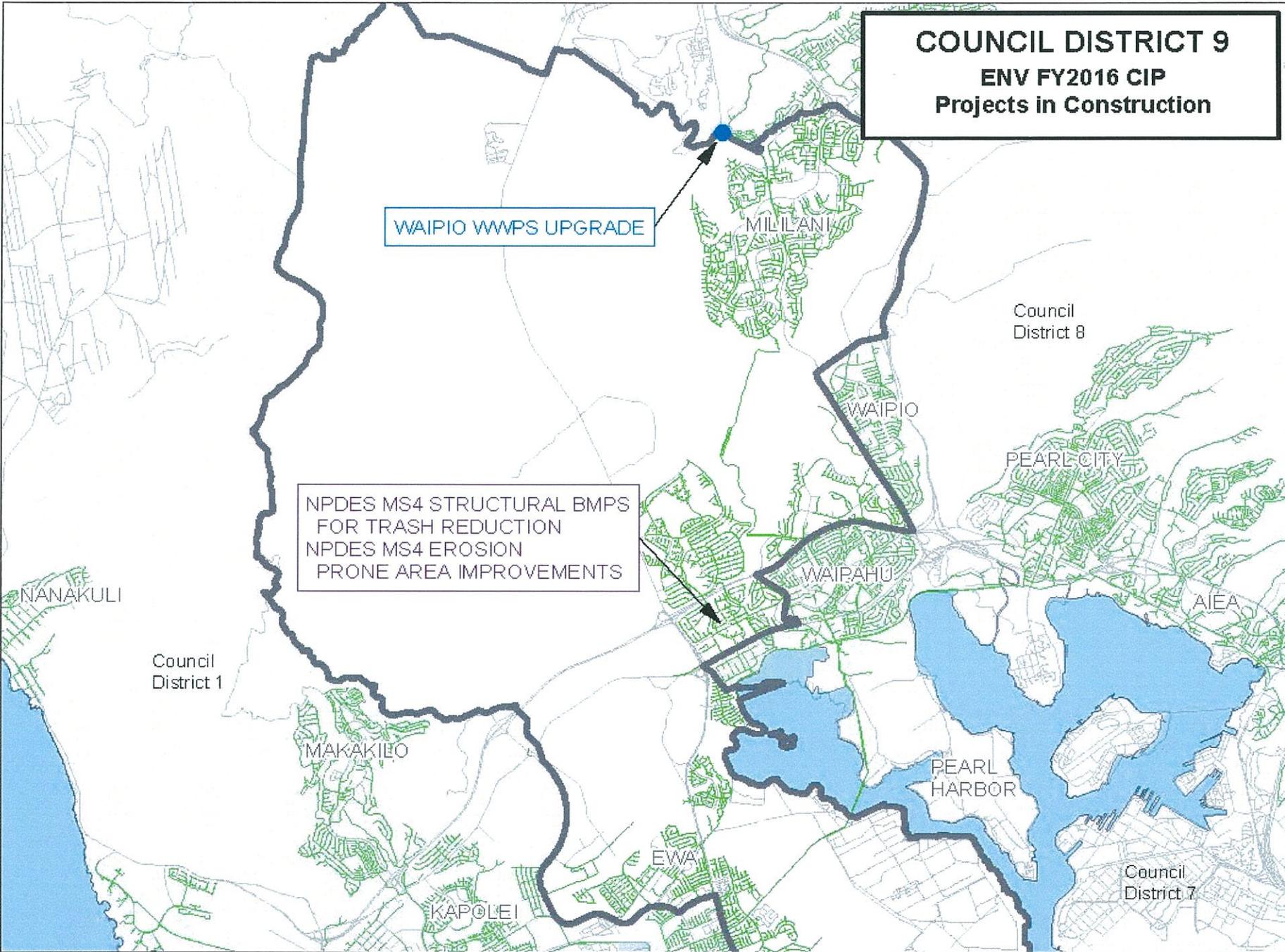
NPDES MS4
STRUCTURAL BMP'S
FOR TRASH REDUCTION



**COUNCIL DISTRICT 9
ENV FY2016 CIP
Projects in Construction**

WAIPIO WWPS UPGRADE

NPDES MS4 STRUCTURAL BMPS
FOR TRASH REDUCTION
NPDES MS4 EROSION
PRONE AREA IMPROVEMENTS



FY 2016 DEPARTMENT OPERATING APPROPRIATION

	FY 15	FY 16	\$ Change	Percent Change
Storm Water Quality (General Fund)	\$5,253,964	\$5,773,422	+519,458	+9.9%
Solid Waste	156,748,459	176,698,920	+19,950,461	+12.7%
Wastewater	121,019,270	122,172,684	+1,153,414	+1.0%
Federal Grants	0	0	0	0%
TOTAL	\$283,021,693	\$304,645,026	+21,623,333	+7.6%

FY 2016 DEPARTMENT OPERATING SUMMARY

	FY 2015	FY 2016	\$ Change	% Change
Salary	\$60,939,695	\$60,866,297	-73,398	-0.1%
Current Expense	222,081,998	236,564,029	+14,482,031	+6.5%
Equipment	0	7,214,700	+7,214,700	
TOTAL	283,021,693	\$304,645,026	+21,623,333	+7.6%

ENV FY 2016 SALARIES

	FY2015	FY 2016	\$ Change	% Change
Administration	\$2,387,220	\$2,562,834	\$175,614	+7.4%
Environmental Quality	6,014,853	5,832,122	-182,731	-3.0%
Collection Syst Maintenance	11,349,299	11,529,557	+180,258	+1.6%
WW Treatment and Disposal	19,389,674	19,009,275	-380,399	-2.0%
Refuse	21,798,649	21,932,509	+133,860	+0.6%
TOTAL	\$60,939,695	\$60,866,297	-73,398	-0.1%

Sewer Funded Vacancies Budgeted in Agency's Salaries

	<u>Positions</u>
Vacant Positions as of 2/2/2015*	111
Disposition of funded vacancies:	
To be filled before July 1, 2015	51
To be filled in FY 2016	60

** Reflects the deletion of 59 deactivated positions*

General and Solid Waste Funded Vacancies
Budgeted in Provisional for Vacant Positions

	<u>Positions</u>
Vacant Positions as of 2/3/2015*	88
Disposition of funded vacancies:	
To be filled before July 1, 2015	45
To be filled in FY 2016	43

**Reflects the deletion of 47 deactivated positions*

ENV FY 2016 CURRENT EXPENSE

DIVISION	FY 2015	FY 2016	\$ Change	% Change
Administration	\$8,099,443	\$7,890,283	-209,160	-2.6%
Environmental Quality	6,662,920	7,800,960	+1,138,040	17.1%
Collection System Maintenance	13,241,500	12,195,100	-1,046,400	-7.9%
WW Treatment and Disposal	60,018,360	61,798,491	+1,780,131	+3.0%
Refuse	134,059,775	146,879,195	+12,819,420	+9.6%
TOTAL	\$222,081,998	\$236,564,029	+14,482,031	+6.5%

FY 2016 DEPARTMENT EQUIPMENT

	FY 2015	FY 2016	\$ Change
Storm Water Quality	0	160,000	160,000
Refuse	0	7,054,700	7,054,700
TOTAL	0	\$7,214,700	7,214,700

SOLID WASTE OPERATING BUDGET APPROPRIATION

SOLID WASTE FUND	FY15	FY16	% CHANGE
Operations	\$156,748,459	\$176,698,920	12.7%
Non-Salary Personnel Costs	15,088,698	15,715,000	4.2%
Provision for Energy Costs	0	0	0
Provision for Vacant Positions	3,730,100	4,112,000	+10.2%
Debt Service(GO Bonds)	42,127,000	47,822,000	+13.5%
Support by Other City Agencies	22,882,652	23,449,676	+2.5%
SUB-TOTAL	240,576,909	267,797,596	+11.3%
LEGISLATIVE	12,300	12,600	2.4%
TOTAL	240,589,209	267,810,196	+11.3%

WASTEWATER

OPERATING BUDGET APPROPRIATION

SEWER FUND	FY 15	FY 16	% Change
Operations/Related Costs	\$121,019,270	122,172,684	+1.0
Non-salary Personnel Costs	21,681,932	23,084,000	+6.5
Provision for Energy Cost	1,500,000	1,500,000	0.0
Provision for Vacant Position & Salary Increases	58,747	86,000	46.4
Debt Service (GO Bonds)	2,541,000	2,446,000	-3.7
Debt Service (Revenue Bonds)	153,078,000	159,523,000	+4.2
Support by Other City Agencies	18,753,291	18,380,199	-2.0
SUBTOTAL	318,632,240	327,191,883	+2.7
LEGISLATIVE	60,500	62,000	+2.5
TOTAL	\$318,692,740	\$327,253,883	+2.7

STORM WATER QUALITY OPERATING APPROPRIATION

	FY 15	FY 16	% Change
Salary	\$991,184	\$886,972	-10.5
Current Expense	4,262,780	4,726,450	+10.9
Equipment		160,000	
TOTAL	\$5,253,964	\$5,773,422	+9.9

SOLID WASTE REVENUES

Revenue	FY 15 Estimate Operating Budget	FY 16 Estimate Operating Budget	% Change
- Tip Fees – Private Direct (H-Power)	\$30,000,000	\$30,000,000	0
Tip Fees – Other (H-Power)	14,500,000	22,000,000	+51.7
- Electrical Energy (H-Power)	67,000,000	70,000,000	+4.5
- Investments	67,000	67,000	0
- Disposal Charges (Landfill/Transfer Stations)	10,650,000	7,900,000	-25.8
- Other Revenue	716,820	3,006,820	+319.5
- Residential Collection (General Fund)	102,565,077	117,435,664	+14.5
Refuse Collection Fee	0	0	0
TOTAL	225,498,897	250,409,484	+11.0
FROM PRIOR YEAR BALANCE	15,078,012	17,388,112	+15.3
TOTAL OPERATING BUDGET	240,576,909	267,797,596	+11.3

WASTEWATER REVENUES

	FY 15 Estimate Operating Budget	FY 16 Estimate Operating Budget	% Change
Sewer Service Charges	\$425,977,653	448,606,972	+5.3%
System Facility Charges	9,977,600	10,276,800	+3.0%
Investments	418,000	418,000	0
Others	5,367,100	5,533,200	+3.1%
TOTAL OPERATING BUDGET	441,740,353	464,834,972	+5.2%

Mahalo.

Questions?