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DEPARTMENT OF ENVIRONMENTAL SERVICES
FY 2014 CAPITAL AND OPERATING BUDGET
REQUEST
March 12, 2013

RESPONSIBILITIES AND MISSION

Responsibilities

The Department of Environmental Services plans, directs, operates and administers the City's wastewater, solid waste, and storm water permit programs. This includes operation and maintenance of the wastewater collection, treatment and disposal system, the management, collection and disposal of solid waste, and management of the storm water program.

Mission Statement

Protect public health and the environment by efficiently and effectively managing the wastewater and solid waste systems of the City and County of Honolulu.

DEPARTMENT OF ENVIRONMENTAL SERVICES

Director of Environmental Services
Kahikina, Lori

Deputy Director of Environmental Services
Mangiallan, Eduardo

Second Deputy Director
Tanimoto, Ross S.

Private Secretary II
Gomes, Pam

Private Secretary I

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 2014 BUDGET

	FY 13	FY 14	Change	Percent Change
Operations	\$379,259,246	\$383,206,713	+\$3,947,467	+1.0
Debt Service	170,478,000	180,025,000	+9,547,000	+5.6
Capital Program	343,656,069	239,761,544	-103,894,525	-30.2
Total	\$893,393,315	\$802,993,257	-\$90,400,058	-10.1

ENV FY2014 CIP

Wastewater -	\$214,965,942
Sewer Revenue Bonds -	\$144,387,000
Sewer Cash -	\$ 70,578,942
Solid Waste -	\$ 22,585,602
GO Bonds -	\$ 7,182,000
Solid Waste Cash	\$ 15,403,602
Storm Water -	\$ 2,210,000
GO Bonds -	\$ 2,175,000
General Fund Cash	\$ 35,000

WASTEWATER FY2014 CIP

<u>PAGE NO.</u>	<u>PROJECTS</u>	<u>FY2014 TOTAL</u>	<u>PHASE</u>	<u>EPA/DOH REQUIREMENT</u>	<u>COMPLETION DEADLINE</u>
227	Ahuimanu Wastewater Preliminary Treatment Facility Force Main - sewer cash funded	\$503,000	L,P,D,C	2010 Consent Decree; Force Main Assessment Follow-up	12/31/15
235	Ala Moana WWPS Force Mains No. 3 and 4	\$204,000	L,P,D,C,I	2010 Consent Decree; Force Main Project	12/31/14
238	Aliamanu No.1 and No.2 WWPS Force Mains	\$2,302,000	P,D,C,I	2010 Consent Decree; Force Main Assessment Follow-up	12/31/15
240	Awa Street WWPS, Force Main and Sewer System Alternatives – sewer cash funded	\$1,200,000	L,P, D	2010 Consent Decree	6/30/20
243	Central Oahu Wastewater Facilities and Effluent Reuse	\$503,000	P,D,C,I	Required to comply with State DOH Guidelines	n/a
244	Chinatown Sewer Rehabilitation	\$4,001,000	P,D,C	2010 Consent Decree; Gravity Main R&R Program	6/30/20
249	Fort DeRussy WWPS, Force Main, and Sewer System Alternatives - sewer cash funded	\$201,000	P,D	2010 Consent Decree	6/30/20
253	Hart Street WWPS Force Main System Improvements – sewer cash funded	\$302,000	D,C,I	2010 Consent Decree; Force Main Project	12/31/13

WASTEWATER FY2014 CIP

<u>PAGE NO.</u>	<u>PROJECTS</u>	<u>FY2014 TOTAL</u>	<u>PHASE</u>	<u>EPA/DOH REQUIREMENT</u>	<u>COMPLETION DEADLINE</u>
259	<i>Honouliuli WWTP Energy Improvements</i>	\$15,003,000	P, <u>D</u> , <u>C</u> ,I	Required for energy conservation and sustainability	n/a
260	Honouliuli WWTP Outfall Improvements/Rehabilitation – sewer cash funded	\$501,000	<u>P</u> ,D	Required for reliability assurance	n/a
261	Honouliuli WWTP Secondary Treatment – sewer cash funded	\$1,001,000	<u>P</u> ,D	2010 Consent Decree	6/1/24
263	Honouliuli WWTP Upgrade, Phase 2 – sewer cash funded	\$801,000	P, <u>D</u>	Required for reliability assurance	n/a
265	Iwilei/Kalihi Kai Sewer Rehabilitation/Reconstruction	\$3,453,000	L,P,D, <u>C</u> , <u>I</u>	2010 Consent Decree	12/31/2016
268	Kahanahou WWPS Upgrade and Sewer Improvements – sewer cash funded	\$1,051,000	L, <u>P</u> , <u>D</u>	2010 Consent Decree	6/30/20
274	Kailua WWTP and Sewer Basin Facilities – sewer cash funded	\$1,001,000	<u>P</u> , D	Required for planning for long-range facility needs	n/a
275	<i>Kailua WWTP Energy Improvements – sewer cash funded</i>	\$10,003,000	P,D, <u>C</u> ,I	Required for energy conservation and sustainability	n/a
277	Kailua WWTP Outfall Improvements/Rehabilitation – sewer cash funded	\$302,000	L, <u>P</u> ,D	Required for reliability assurance	n/a

WASTEWATER FY2014 CIP

<u>PAGE NO.</u>	<u>PROJECTS</u>	<u>FY2014 TOTAL</u>	<u>PHASE</u>	<u>EPA/DOH REQUIREMENT</u>	<u>COMPLETION DEADLINE</u>
279	Kailua WWTP-Tunnel Influent Pump Station and Headworks Facility	\$2,001,000	<u>P, D</u>	2010 Consent Decree	6/30/18
284	Kalihi / Nuuanu Area Sewer Rehabilitation	\$2,002,000	<u>D, C, I</u>	2010 Consent Decree; Gravity Main R&R Program	6/30/20
286	Kamehameha Highway WWPS FM System Improvements – sewer cash funded	\$601,000	<u>P, D</u>	2010 Consent Decree	6/30/20
288	Kaneohe Bay #2 Wastewater Pump Station Force Main	\$1,902,000	<u>L, P, D, C, I</u>	2010 Consent Decree; Force Main Project	12/31/16
293	<i>Kaneohe / Kailua Sewer Tunnel</i>	\$62,002,000	<u>L, P, D, C, I</u>	2010 Consent Decree	6/30/18
298	Kunia WWPS Force Main System Improvements – sewer cash funded	\$301,000	<u>P, D</u>	2010 Consent Decree	6/30/20
311	Old Sewer Tunnel Rehabilitation	\$5,502,000	<u>P, D, C, I</u>	2010 Consent Decree; Gravity Main R&R Program	6/30/20
312	Pacific Palisades WWPS, Force Main and Alternative Diversion Sewer Line – sewer cash funded	\$1,102,000	<u>P, D, C, I</u>	2010 Consent Decree	6/30/20
314	Pearl City WWPS, Force Main, and Sewer System Alternatives – sewer cash funded	\$503,000	<u>L, P, D, C, I</u>	2010 Consent Decree	6/30/20

WASTEWATER FY2014 CIP

<u>PAGE NO.</u>	<u>PROJECTS</u>	<u>FY2014 TOTAL</u>	<u>PHASE</u>	<u>EPA/DOH REQUIREMENT</u>	<u>COMPLETION DEADLINE</u>
315	Project Management for Wastewater Projects – sewer cash funded	\$8,329,000	<u>P,D,I</u>	Required to execute mandated projects	n/a
317	Renton Road Sewer and Manhole Rehabilitation/Reconstruction	\$7,902,000	<u>P,D,C,I</u>	2010 Consent Decree	12/31/16
319	Sand Is Wastewater Basin Odor Control – sewer cash funded	\$1,003,000	<u>P,D,C,I</u>	Required to ensure air permit compliance	n/a
321	Sand Is Wastewater Treatment Plant Expansion, Primary Treatment	\$9,402,000	<u>P,D,C,I</u>	Required to ensure NPDES compliance	n/a
322	Sand Island WWTP Improvements / Upgrade – sewer cash funded	\$601,000	<u>P,D</u>	Required for reliability assurance	n/a
325	Sand Island Wastewater Treatment Plant Solids Handling	\$6,203,000	<u>P,D,C,I</u>	Required for current and future plant performance	n/a
327	Sewer Condition Assessment Program – sewer cash funded	\$3,000,000	<u>P</u>	2010 Consent Decree; Gravity Main Condition Assessment	6/30/20
329	Sewer I/I Relief & Rehabilitation Projects -Ala Moana Tributary Basin – sewer cash funded	\$402,000	<u>L,P,D</u>	2010 Consent Decree; Wet Weather Assessment Update	6/30/20
330	Sewer I/I Relief & Rehabilitation Projects -Hart St. Tributary Basin – sewer cash funded	\$402,000	<u>L,P,D</u>	2010 Consent Decree; Wet Weather Assessment Update	6/30/20

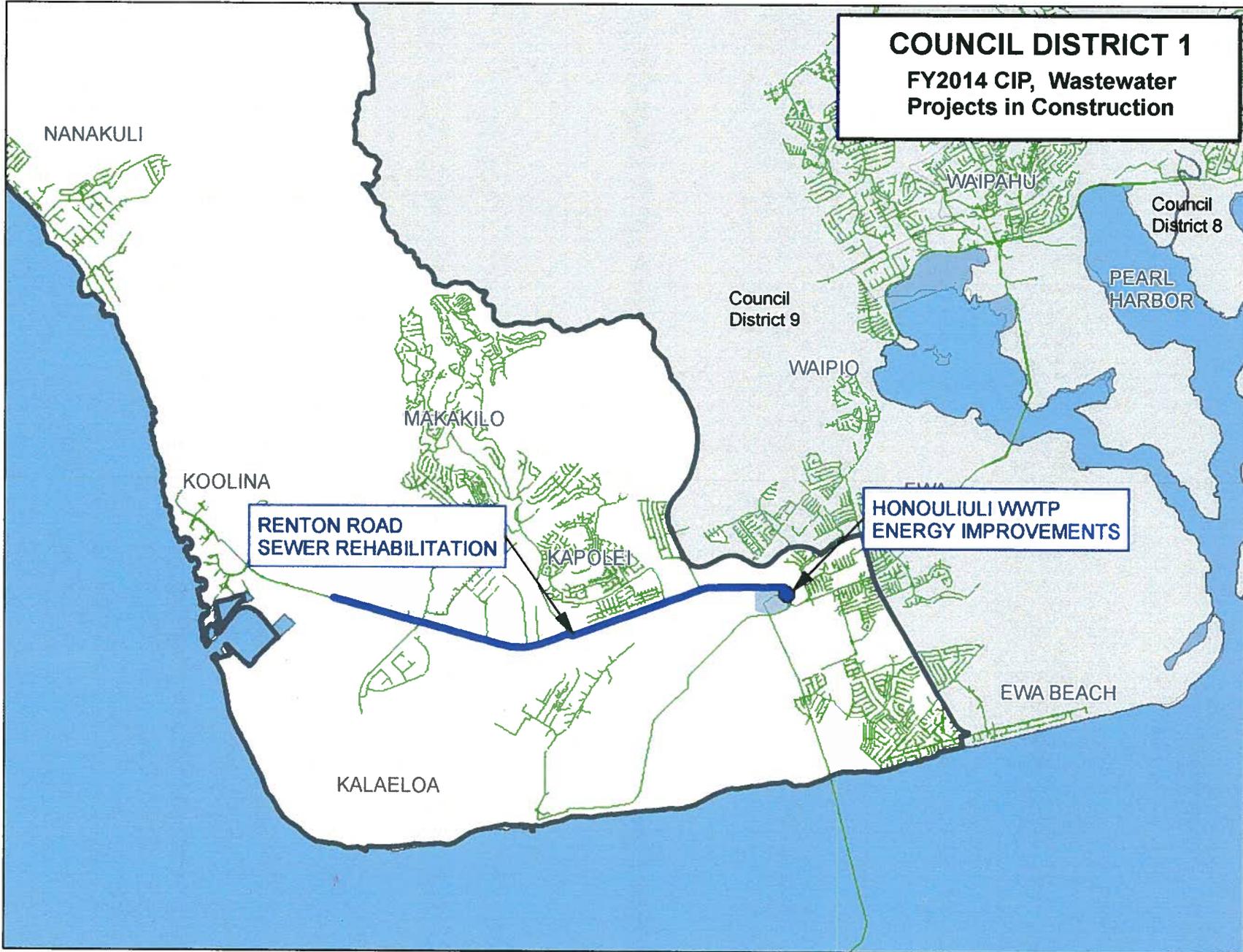
WASTEWATER FY2014 CIP

<u>PAGE NO.</u>	<u>PROJECTS</u>	<u>FY2014 TOTAL</u>	<u>PHASE</u>	<u>EPA/DOH REQUIREMENT</u>	<u>COMPLETION DEADLINE</u>
331	Sewer I/I Relief & Rehabilitation Projects -Leeward Area – sewer cash funded	\$102,000	<u>L</u> , <u>P</u> , <u>D</u>	2010 Consent Decree; Wet Weather Assessment Update	6/30/20
332	Sewer I/I Relief & Rehabilitation Projects -Windward Area – sewer cash funded	\$102,000	<u>L</u> , <u>P</u> , <u>D</u>	2010 Consent Decree; Wet Weather Assessment Update	6/30/20
333	<i>Sewer Mainline and Lateral Projects – sewer cash funded</i>	\$14,302,000	<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
334	Sewer Manhole & Pipe Rehabilitation at Various Locations	\$5,602,000	<u>P</u> , <u>D</u> , <u>C</u> , <u>I</u>	2010 Consent Decree; Gravity Main R&R Program	6/30/18
339	Waianae WWTP Improvements / Upgrade – sewer cash funded	\$801,000	<u>P</u> , <u>D</u>	Required for reliability assurance	n/a
340	Waianae WWTP Outfall Improvements/ Rehabilitation – sewer cash funded	\$401,000	<u>P</u> , <u>D</u>	Required for reliability assurance	n/a
342	Waikalua WWPS Upgrade and Alternative Diversion Sewer – sewer cash funded	\$450,000	<u>P</u> , <u>D</u>	2010 Consent Decree	6/30/20
352	Waipahu WWPS Force Main (New)	\$6,400,000	<u>L</u> , <u>P</u> , <u>D</u>	2010 Consent Decree	6/30/20

WASTEWATER FY2014 CIP

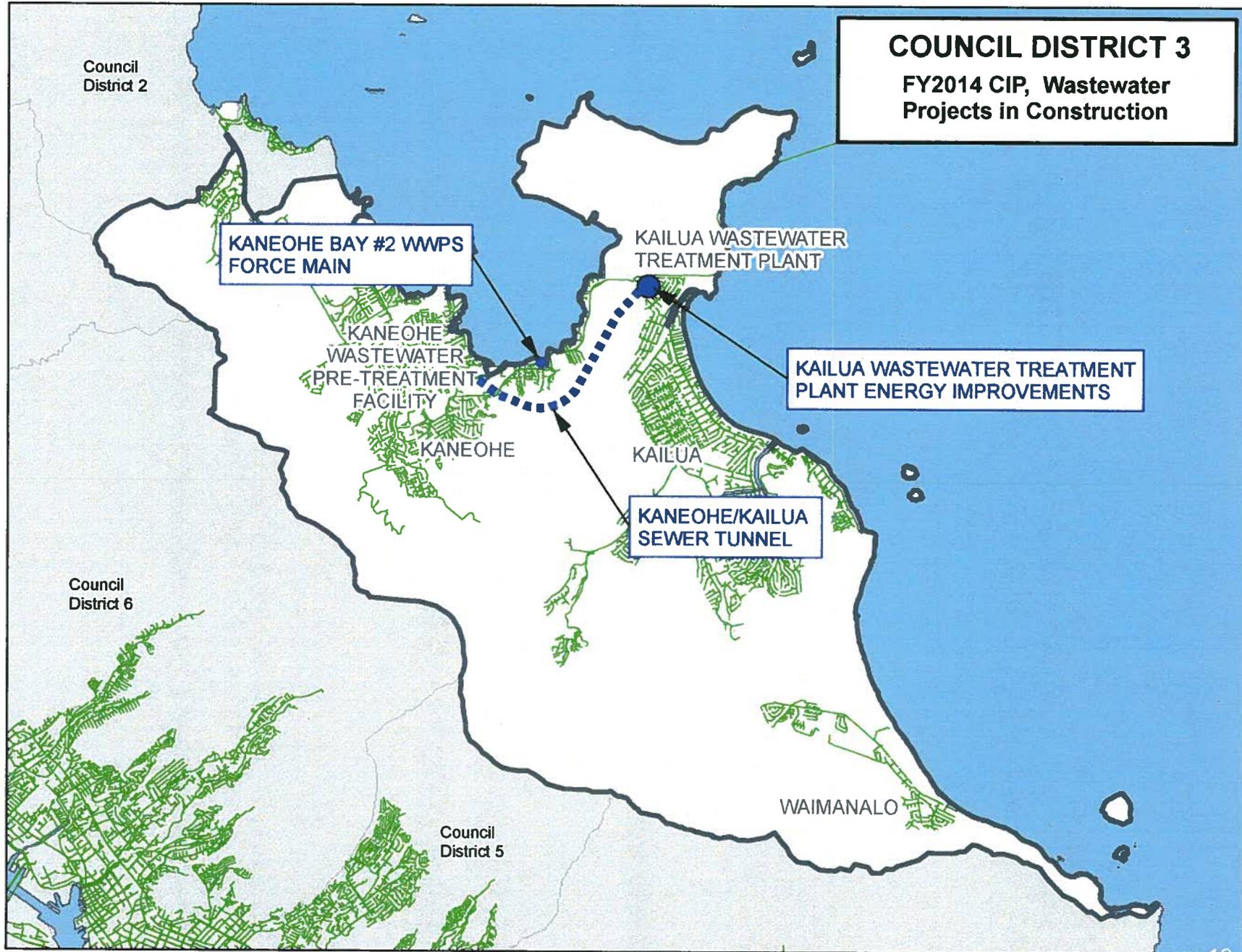
<u>PAGE NO.</u>	<u>PROJECTS</u>	<u>FY2014 TOTAL</u>	<u>PHASE</u>	<u>EPA/DOH REQUIREMENT</u>	<u>COMPLETION DEADLINE</u>
353	Waipio WWPS Upgrade – sewer cash funded	\$201,000	<u>P,D</u>	2010 Consent Decree	6/30/20
355	Wastewater Equipment – sewer cash funded	\$9,253,942	<u>E</u>	Essential updates to existing equipment	n/a
356	Wastewater Facilities Replacement Reserve – sewer cash funded	\$5,000,000	<u>X</u>	previous federal grant program requires an emergency reserve	n/a
357	Wastewater Planning And Programming – sewer cash funded	\$254,000	<u>P</u>	Required to execute mandated projects	n/a
358	Wastewater Program Management – sewer cash funded	\$5,001,000	<u>P,D</u>	Required to execute mandated projects	n/a
359	<i>Wastewater Treatment Plant, Pump Station, And Force Main Projects – sewer cash funded</i>	\$11,101,000	<u>P,D,C,I</u>	includes miscellaneous work required for 2010 Consent Decree.	final deadline for coll. sys. work is 6/30/20
361	Windward Area WWPS Facilities Improvements – sewer cash funded	\$503,000	<u>P,D</u>	2010 Consent Decree	6/30/20
TOTAL =		\$214,965,942			

COUNCIL DISTRICT 1
FY2014 CIP, Wastewater
Projects in Construction



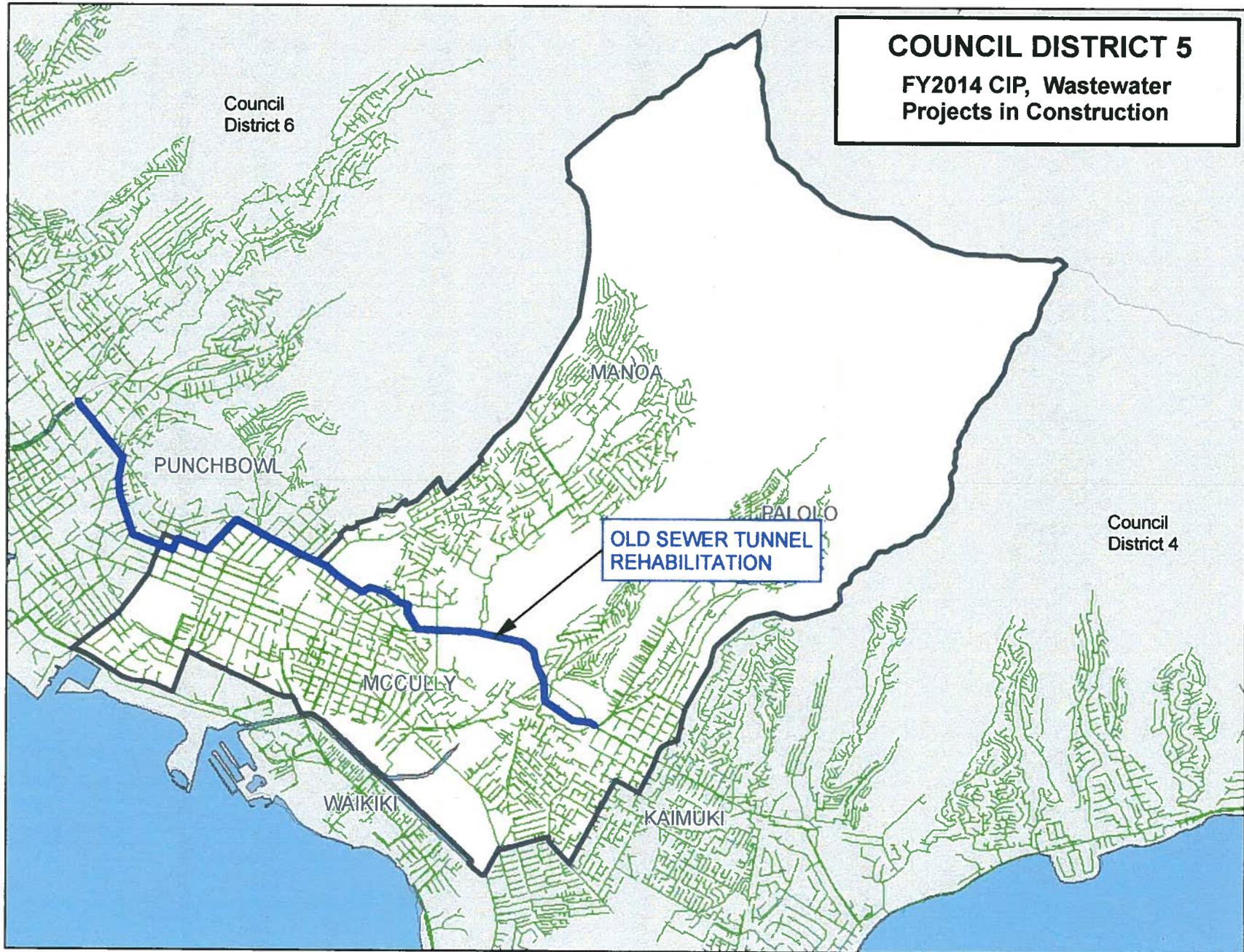
COUNCIL DISTRICT 3

FY2014 CIP, Wastewater
Projects in Construction

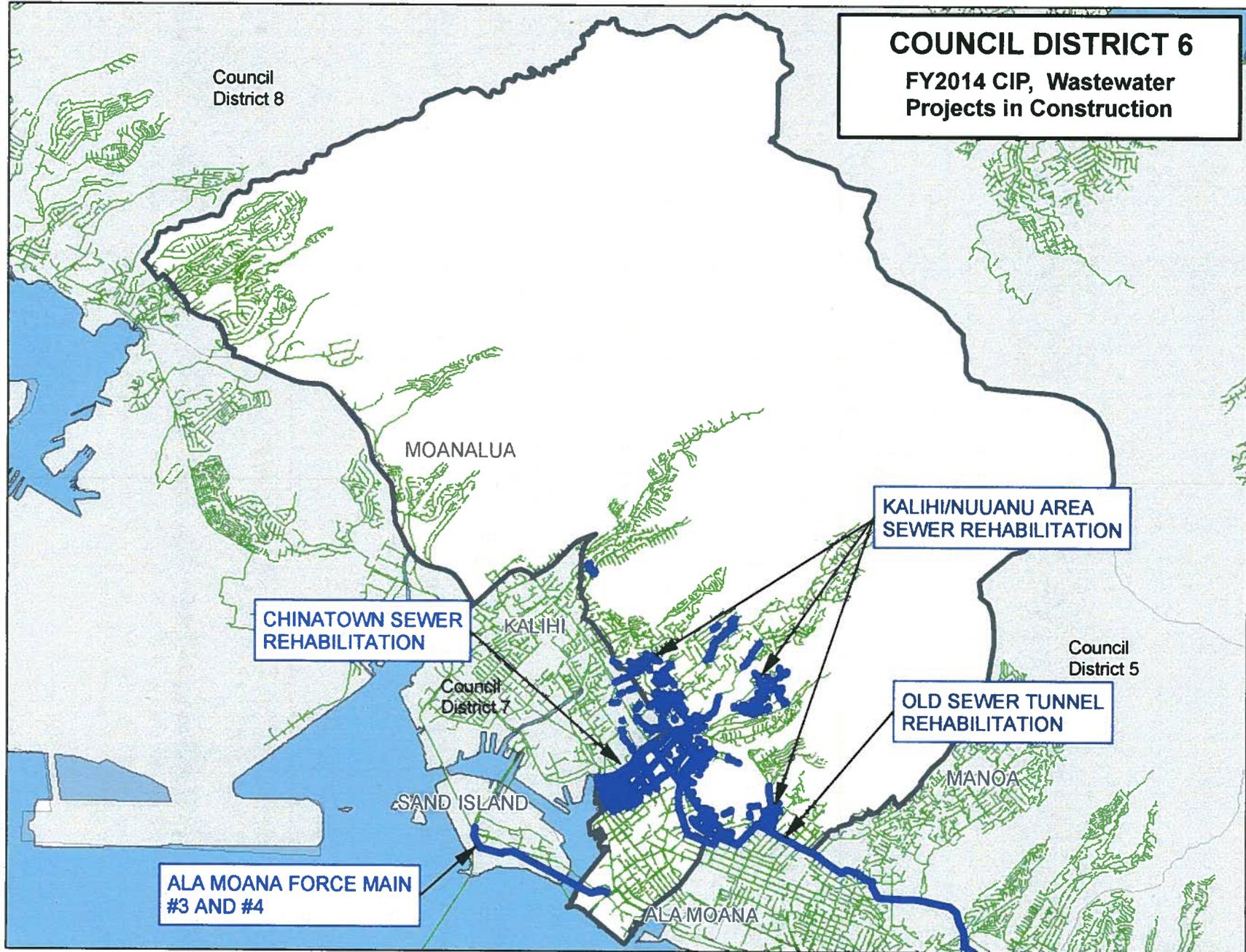


COUNCIL DISTRICT 5

FY2014 CIP, Wastewater
Projects in Construction



COUNCIL DISTRICT 6
FY2014 CIP, Wastewater
Projects in Construction



SOLID WASTE FY2014 CIP

<u>PAGE NO.</u>	<u>PROJECTS</u>	<u>FY2014 TOTAL</u>	<u>PHASE</u>	
1	Procurement of Major Equipment (Solid Waste Equipment) – Cash funded	\$11,401,602	<u>E</u>	Required to replace existing fleet
201	Kapaa/Kalaheo Landfill Gas Flare System	\$750,000	D, <u>C</u> , I	Required to maintain existing infrastructure
204	Oahu Secondary Landfill – Site Selection Study	\$500,000	<u>P</u>	Required for long-range planning
206	Refuse Facilities Energy Savings Project	\$1,350,000	<u>D,C,I</u>	Required for energy conservation and sustainability
207	Refuse Facilities Improvements at Various Locations	\$1,350,000	<u>D,C,I</u>	Required to maintain existing infrastructure
210	Solid Waste to Energy Facility Access Improvements	\$3,081,000	<u>L,P,D</u>	Required for safety and traffic mitigation
211	Solid Waste to Energy Facility Improvements	\$151,000	<u>P</u> , D	Required for long-range planning
214	Solid Waste to Energy Facility – Rehabilitation H-power cash funded	\$4,002,000	D, <u>C</u> , I	Required to maintain existing infrastructure
	TOTAL =	\$22,585,602		16

STORM WATER QUALITY FY2014 CIP

<u>PAGE NO.</u>	<u>PROJECTS</u>	<u>FY2014 TOTAL</u>	<u>PHASE</u>	
1	Procurement of Major Equipment (SWQ equipment) – Cash funded	\$35,000	<u>E</u>	Essential to maintain current level of service
169	NPDES MS4 Erosion Prone Area Improvements	\$1,325,000	<u>P,D,C,I</u>	Mandated to meet Federal and State Requirements
171	NPDES MS4 Structural BMPs for City Industrial Facilities	\$250,000	<u>P, D</u>	Mandated to meet Federal and State Requirements
172	NPDES MS4 Structural BMPs for Trash Reduction	\$400,000	<u>P, D</u>	Mandated to meet Federal and State Requirements
178	Storm Drainage BMPs, Wailupe-Kuliouou-Nui Stream	\$200,000	<u>P, D</u>	Mandated to meet Federal and State Requirements
	TOTAL =	\$2,210,000		

FY 2014 DEPARTMENT OPERATING APPROPRIATION

	FY 13	FY 14	\$ Change	Percent Change
Storm Water Quality (General Fund)	\$5,274,696	\$5,531,328	+256,632	+4.9
Solid Waste	181,028,823	174,030,097	-6,998,726	-3.9
Wastewater	101,257,563	120,375,553	+19,117,990	+18.9
Federal Grants	0	210,000	+210,000	+100.0
TOTAL	\$287,561,082	\$300,146,978	\$12,585,896	+4.4

FY 2014 DEPARTMENT OPERATING SUMMARY

	FY 2013	FY 2014	\$ Change	% Change
Salary (note: FY13 includes vacant funded provisional)	58,930,819	\$61,251,527	2,320,708	+3.9
Current Expense	235,675,862	238,895,451	3,219,589	+1.4
Equipment (included in CIP Budget)	0	0	0	0
TOTAL	294,606,681	300,146,978	5,540,297	+1.9

ENV FY 2014 SALARIES

	FY2013	FY 2014	\$ Change	% Change
Administration	\$2,251,440	\$2,163,912	-87,528	-3.9
Environmental Quality	4,956,954	5,967,500	+1,010,546	+20.4
Collection Syst Maintenance	7,923,068	10,664,620	+2,741,552	+34.6
WW Treatment and Disposal	15,702,535	17,897,342	+2,194,807	+14.0
Refuse	21,051,223	24,558,153	+3,506,930	+16.6
Vacant Funded Provisional	7,045,599	0	-7,045,599	-100.0
TOTAL	\$58,930,819	\$61,251,527	+2,320,708	+3.9

Environmental Services Vacancies (All Funds)

	<u>Positions</u>
Vacant Positions as of 2/6/2013	312
Vacancy Cutback (unfunded)	103
Funded Vacancies	209
Disposition of funded vacancies:	
To be filled before July 1, 2013	9
To be filled in FY 2014	200

ENV FY 2014 CURRENT EXPENSE

DIVISION	FY 2013	FY 2014	\$ Change	% Change
Administration	4,716,900	\$6,841,400	+2,124,500	+45.0
Environmental Quality	7,544,001	7,284,609	-259,392	-3.4
Collection System Maintenance	12,388,269	13,926,350	+1,538,081	+12.4
WW Treatment and Disposal	51,649,928	61,948,997	+10,299,069	+20.0
Refuse	159,376,764	148,894,095	-10,482,669	-6.6
TOTAL	235,675,862	238,895,451	+3,219,589	+1.4

SOLID WASTE OPERATING BUDGET APPROPRIATION

SOLID WASTE FUND	FY13	FY14	% CHANGE
Operations	\$183,544,029	\$174,030,097	-5.2
Non-Salary Personnel Costs	14,124,000	18,398,400	+30.3
Provision for Energy Costs	114,704	0	-100.00
Debt Service(GO Bonds)	35,801,000	37,584,000	+5.0
Support by Other City Agencies	23,543,142	23,355,780	-0.8
SUB-TOTAL	257,126,825	253,373,277	-1.5
LEGISLATIVE	13,500	13,838	+2.5
TOTAL	257,140,375	253,387,115	-1.5

WASTEWATER OPERATING BUDGET APPROPRIATION

SEWER FUND	FY 13	FY 14	% Change
Operations/Related Costs	\$105,787,956	\$120,375,553	+13.8
Non-salary Personnel Costs	19,497,850	22,387,650	+14.8
Provision for Energy Cost	8,805,899	2,750,000	-68.8
Debt Service (GO Bonds)	6,770,000	5,267,000	-22.2
Debt Service (Revenue Bonds)	127,907,000	137,174,000	+7.2
Support by Other City Agencies	18,485,970	16,080,079	-13.0
SUBTOTAL	287,254,675	304,034,282	+5.8
LEGISLATIVE	67,500	69,188	+2.5
TOTAL	287,322,175	304,103,470	+5.8

STORM WATER QUALITY OPERATING APPROPRIATION

	FY 13	FY 14	% Change
Salary	\$769,992	\$1,270,008	+64.9
Current Expense	4,359,936	4,471,320	+2.6
Equipment	0	0	0
TOTAL	\$5,129,928	\$5,741,328	+11.9

SOLID WASTE REVENUES

Revenue	FY 13 Operating Budget	FY 14 Operating Budget	% Change
- Tip Fees – Private Direct (H-Power)	\$27,050,000	\$28,000,000	+3.5
Tip Fees – Other (H-Power)	14,000,000	14,000,000	0.0
- Electrical Energy (H-Power)	76,500,000	70,000,000	-8.5
- Investments	75,000	76,000	+1.3
- Disposal Charges (Landfill/Transfer Stations)	7,800,000	7,200,000	-7.7
- Other Revenue	1,975,800	3,001,070	+52.0
- Residential Collection (General Fund)	89,333,698	99,868,316	+11.8
TOTAL	216,734,498	222,145,386	+2.5
FROM PRIOR YEAR BALANCE	40,405,877	31,241,729	-22.7
TOTAL OPERATING BUDGET	\$257,140,375	253,387,115	-1.5

WASTEWATER REVENUES

	FY 13 Operating Budget	FY 14 Operating Budget	% Change
Sewer Service Charges	\$345,052,000	\$360,107,319	+4.4
System Facility Charges	9,404,800	9,686,400	+3.0
Investments	234,000	282,000	+20.5
Others	5,635,200	5,644,870	+0.2
TOTAL OPERATING BUDGET	360,326,000	375,720,589	+4.3