



# Capital Improvement Program FY 2018 through FY 2022

## **Adopted**





***Capital Improvement Program***  
***FY 2018 – 2022***

# Capital Improvement Program

FY 2018 through FY 2022

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# Capital Improvement Program

FY 2018 through FY 2022

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# CIP Summary List Period FY 2018 - FY 2022



Fund	Dept/Div			2018	2019	2020	2021	2022	Total Capital Costs
001	1103								
CP-IT-17-AE	52-00	Operating		\$95,600	\$0	\$0	\$0	\$0	\$95,600
Aegis 11 Enterprise Upgrade									
CP-IT-18-FR	63-00	Infrastructure		\$0	\$89,956	\$0	\$0	\$0	\$89,956
Complete City Fiber Ring									
1103 Division TOTAL				\$95,600	\$89,956	\$0	\$0	\$0	\$185,556
Fund	Dept/Div			2018	2019	2020	2021	2022	Total Capital Costs
001	2100								
CP-PD-18-L1	PD16IT	64-15	IT Machinery & Equipmen	\$52,000	\$52,000	\$52,000	\$52,000	\$52,000	\$260,000
Laptops for Officers/Patrol Vehicles									
CP-PD-13-VA		64-00	Machinery & Equipment	\$0	\$100,000	\$0	\$0	\$0	\$100,000
Refabricate SWAT Vehicle									
CP-PD-14-V0		64-00	Machinery & Equipment	\$0	\$0	\$0	\$35,200	\$0	\$35,200
Replacement Patrol Vehicle									
CP-PD-14-V9		64-00	Machinery & Equipment	\$0	\$0	\$0	\$35,200	\$0	\$35,200
Replacement Patrol Vehicle									
CP-PD-15-V3		64-00	Machinery & Equipment	\$0	\$0	\$0	\$35,200	\$0	\$35,200
Replacement Patrol Vehicle									
CP-PD-15-V4		64-00	Machinery & Equipment	\$0	\$0	\$0	\$0	\$35,200	\$35,200
Replacement Patrol Vehicle									
CP-PD-15-V5		64-00	Machinery & Equipment	\$0	\$0	\$0	\$0	\$35,200	\$35,200
Replacement Patrol Vehicle									
CP-PD-16-V5		64-00	Machinery & Equipment	\$0	\$0	\$0	\$0	\$35,200	\$35,200
Replacement Patrol Vehicle									
CP-PD-13-VT		64-00	Machinery & Equipment	\$0	\$0	\$0	\$35,200	\$0	\$35,200
Replacement Patrol Vehicle									

Fund 001	Dept/Div 2100			2018	2019	2020	2021	2022	Total Capital Costs
CP-PD-13-VB	64-00	Machinery & Equipment		\$0	\$0	\$34,500	\$0	\$0	\$34,500
Replacement Patrol Vehicle									
CP-PD-16-V7	64-00	Machinery & Equipment		\$0	\$0	\$0	\$0	\$35,200	\$35,200
Replacement Patrol Vehicle									
CP-PD-13-V8	64-00	Machinery & Equipment		\$0	\$0	\$34,500	\$0	\$0	\$34,500
Replacement Patrol Vehicle									
CP-PD-13-V2	64-00	Machinery & Equipment		\$0	\$0	\$34,500	\$0	\$0	\$34,500
Replacement Patrol Vehicle									
CP-PD-13-V0	64-00	Machinery & Equipment		\$0	\$0	\$33,818	\$0	\$0	\$33,818
Replacement Patrol Vehicle									
CP-PD-13-CP	64-00	Machinery & Equipment		\$0	\$33,818	\$0	\$0	\$0	\$33,818
Replacement Patrol Vehicle									
CP-PD-13-8V	64-00	Machinery & Equipment		\$0	\$32,818	\$0	\$0	\$0	\$32,818
Replacement Patrol Vehicle									
CP-PD-13-4V	64-00	Machinery & Equipment		\$0	\$33,818	\$0	\$0	\$0	\$33,818
Replacement Patrol Vehicle									
CP-PD-13-2V	64-00	Machinery & Equipment		\$0	\$33,818	\$0	\$0	\$0	\$33,818
Replacement Patrol Vehicle									
CP-PD-13-V9	64-00	Machinery & Equipment		\$0	\$0	\$32,818	\$0	\$0	\$32,818
Replacement Patrol Vehicle									
2100 Division TOTAL				\$52,000	\$286,272	\$222,136	\$192,800	\$192,800	\$946,008

Fund 001	Dept/Div 2101			2018	2019	2020	2021	2022	Total Capital Costs
CP-PD-18-R1	RC2014	64-00	Machinery & Equipment	\$0	\$0	\$0	\$52,771	\$52,771	\$105,542
P25 Radio Replacement									
2101 Division TOTAL				\$0	\$0	\$0	\$52,771	\$52,771	\$105,542

Fund 001	Dept/Div 2201			2018	2019	2020	2021	2022	Total Capital Costs
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Fund	Dept/Div								Total Capital
001	2201			2018	2019	2020	2021	2022	Costs
CP-FD-18-LP 64-00 Machinery & Equipment				\$43,019	\$0	\$0	\$0	\$0	\$43,019
LifePak 15 V4 Monitor/Defibrillator									
CP-FD-17-BA 64-00 Machinery & Equipment				\$0	\$0	\$236,816	\$0	\$0	\$236,816
Replace 27 Self-Contained Breathing Apparatus (SCBA) 45 Masks and 72 air cylinders									
CP-FD-17-EP 64-00 Machinery & Equipment				\$0	\$0	\$0	\$526,179	\$0	\$526,179
Replace E30 a 2006 Pierce Enforcer pumper									
CP-FD-17-PE 64-00 Machinery & Equipment				\$0	\$497,277	\$0	\$0	\$0	\$497,277
Replace E31 a 2002 Pierce Enforcer Pumper									
2201 Division TOTAL				\$43,019	\$497,277	\$236,816	\$526,179	\$0	\$1,303,291

Fund	Dept/Div								Total Capital
001	3200			2018	2019	2020	2021	2022	Costs
CP-CS-17-ES 68-10 Software				\$0	\$0	\$52,720	\$0	\$0	\$52,720
Electronic Plan Review - Software									
3200 Division TOTAL				\$0	\$0	\$52,720	\$0	\$0	\$52,720

Fund	Dept/Div								Total Capital
001	3510			2018	2019	2020	2021	2022	Costs
CP-PW-18-SM 63-00 Infrastructure				\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$250,000
Annual Sidewalk Maintenance/Replacement Program									
CP-PW-11-PP	PW08SP	63-00	Infrastructure	\$300,000	\$300,000	\$300,000	\$300,000	\$300,000	\$1,500,000
Annual Street Paving Program									
CP-PW-15-BM 63-00 Infrastructure				\$0	\$120,000	\$0	\$0	\$0	\$120,000
Broadview Manor Street Lighting									
CP-PW-17-FS	PW17SI	63-00	Infrastructure	\$1,750,000	\$0	\$0	\$0	\$0	\$1,750,000
Fiske Blvd Complete Streets Roadway, and Sidewalk Improvements Phase 3 (General Fund)									
CP-PW-17-PS 63-00 Infrastructure				\$0	\$675,000	\$0	\$0	\$0	\$675,000
Pineda Street Roadway and Sidwalk Reconstruction									
CP-PW-18-SI 63-00 Infrastructure				\$100,000	\$0	\$0	\$0	\$0	\$100,000
SR 520 Interim Safety Improvements									

<b>Fund</b> 001	<b>Dept/Div</b> 3510			2018	2019	2020	2021	2022	Total Capital Costs
CP-PW-18-SB	64-00	Machinery & Equipment		\$0	\$48,000	\$48,000	\$48,000	\$48,000	\$192,000
Steel bench replacement program									
CP-CD-11-SS	CD1205	63-00	Infrastructure	\$580,552	\$60,552	\$0	\$0	\$0	\$641,104
Stone Street Corridor Streetscaping (General Funds portion)									
3510 Division TOTAL				\$2,780,552	\$1,253,552	\$398,000	\$398,000	\$398,000	\$5,228,104

<b>Fund</b> 001	<b>Dept/Div</b> 3540			2018	2019	2020	2021	2022	Total Capital Costs
CP-PW-18-FW	3540-001	52-00	Operating	\$0	\$26,725	\$0	\$0	\$0	\$26,725
FLEET FASTER ASSET UPGRADE TO FASTER WEB									
CP-PW-18-FB	3540-001	68-10	Software	\$0	\$20,000	\$0	\$0	\$0	\$20,000
FLEET FASTER ASSET UPGRADE TO FASTER WEB									
3540 Division TOTAL				\$0	\$46,725	\$0	\$0	\$0	\$46,725

<b>Fund</b> 001	<b>Dept/Div</b> 3560			2018	2019	2020	2021	2022	Total Capital Costs
CP-PW-18-HV	64-00	Machinery & Equipment		\$0	\$40,000	\$50,000	\$0	\$0	\$90,000
City Hall HVAC replacement									
CP-PW-13-CR	62-00	Building		\$0	\$35,000	\$830,000	\$0	\$0	\$865,000
Cocoa Civic Center Rehabilitation									
CP-PW-18-WR	46-00	Repair & Maintenance		\$0	\$0	\$63,000	\$0	\$0	\$63,000
Cocoa PD Wall Rehab									
CP-PW-18-F2	46-02	R&M Building		\$36,000	\$0	\$0	\$0	\$0	\$36,000
Fire #2 Rehab									
CP-PW-18-PB	46-02	R&M Building		\$0	\$76,000	\$0	\$0	\$0	\$76,000
Public Works Pole Barn Rehab									
CP-PW-17-S3	46-02	R&M Building		\$0	\$75,000	\$0	\$0	\$0	\$75,000
Roof replacement Fire station #3									
CP-PW-18-SP	46-02	R&M Building		\$32,000	\$0	\$0	\$0	\$0	\$32,000
Seal/Paint Police department									



<b>Fund</b>	<b>Dept/Div</b>			2018	2019	2020	2021	2022	Total Capital Costs
001	3560								
3560 Division TOTAL				\$68,000	\$226,000	\$943,000	\$0	\$0	\$1,237,000
<b>Fund</b>	<b>Dept/Div</b>			2018	2019	2020	2021	2022	Total Capital Costs
001	3580								
CP-PW-17-DM	64-00	Machinery & Equipment		\$50,000	\$50,000	\$0	\$0	\$0	\$100,000
2 Digital message boards									
CP-PW-17-JS	CP1504	62-00	Building	\$175,000	\$4,385,000	\$0	\$0	\$0	\$4,560,000
New Joe L. Smith Center for Justice									
CP-PW-16-FS	63-00	Infrastructure		\$0	\$95,000	\$0	\$0	\$0	\$95,000
Total Fitness system									
CP-PW-18-TC	64-00	Machinery & Equipment		\$0	\$25,025	\$25,025	\$0	\$0	\$50,050
Trash Can replacement									
3580 Division TOTAL				\$225,000	\$4,555,025	\$25,025	\$0	\$0	\$4,805,050
001 Fund Total				\$3,264,171	\$6,954,807	\$1,877,697	\$1,169,750	\$643,571	\$13,909,996
<b>Fund</b>	<b>Dept/Div</b>			2018	2019	2020	2021	2022	Total Capital Costs
110	3230								
CP-CD-18-FA	CP1502	63-00	Infrastructure	\$260,000	\$0	\$0	\$0	\$0	\$260,000
6 Forrest Avenue Gateway Entry Feature									
CP-PW-18-BA	63-00	Infrastructure		\$0	\$0	\$500,000	\$3,500,000	\$0	\$4,000,000
Brevard Ave Streetscape Project									
CP-CD-14-TD	CS14LW	63-00	Infrastructure	\$414,000	\$0	\$0	\$0	\$0	\$414,000
Cocoa Riverfront T-Dock Expansion (Phase 2 - Construction)									
CP-CD-13-SP	CD1401	63-00	Infrastructure	\$0	\$0	\$0	\$0	\$433,000	\$433,000
Cocoa Village Wayfinding and Signage Program									
CP-CS-16-DG	62-00	Building		\$0	\$5,500,000	\$0	\$0	\$0	\$5,500,000
Downtown Parking Garage									
CP-CS-16-HS	CS15HS	63-00	Infrastructure	\$0	\$396,994	\$0	\$0	\$0	\$396,994
Harrison Street Streetscaping & Stormwater Drainage Improvements (Cocoa CRA portion)									

<b>Fund</b>	<b>Dept/Div</b>			2018	2019	2020	2021	2022	Total Capital Costs
110	3230								
CP-PW-17-PP	63-00	Infrastructure		\$0	\$0	\$125,000	\$0	\$0	\$125,000
Lee Wenner Park Paving and Striping									
CP-CS-16-RP	PW16RP	63-00	Infrastructure	\$45,000	\$0	\$0	\$0	\$0	\$45,000
Riverfront Park Day Slips									
CP-CS-15-MF	CD1501	63-00	Infrastructure	\$0	\$0	\$245,354	\$0	\$0	\$245,354
Riverfront Park Mooring Field									
CP-CS-17-TC		63-00	Infrastructure	\$0	\$0	\$0	\$0	\$1,685,721	\$1,685,721
Southern Gateway Traffic Circle									
3230 Division TOTAL				\$719,000	\$5,896,994	\$870,354	\$3,500,000	\$2,118,721	\$13,105,069
110 Fund Total				\$719,000	\$5,896,994	\$870,354	\$3,500,000	\$2,118,721	\$13,105,069
<b>Fund</b>	<b>Dept/Div</b>			2018	2019	2020	2021	2022	Total Capital Costs
301	3580								
CP-FD-11-NS	62-00	Building		\$4,851,699	\$1,648,301	\$0	\$0	\$0	\$6,500,000
***New Fire Stations Construction - Subject to funding availability									
CP-CP-15-01	CP1501	62-00	Building	\$160,000	\$0	\$0	\$0	\$0	\$160,000
HEART OF COCOA MEETING ROOM									
3580 Division TOTAL				\$5,011,699	\$1,648,301	\$0	\$0	\$0	\$6,660,000
301 Fund Total				\$5,011,699	\$1,648,301	\$0	\$0	\$0	\$6,660,000
<b>Fund</b>	<b>Dept/Div</b>			2018	2019	2020	2021	2022	Total Capital Costs
421	1515								
CP-FN-17-MR	64-15	IT Machinery & Equipmen		\$91,090	\$10,396	\$0	\$0	\$0	\$101,486
Meter reading Hand Held Utility Usage Reading Capture Devices									
1515 Division TOTAL				\$91,090	\$10,396	\$0	\$0	\$0	\$101,486
<b>Fund</b>	<b>Dept/Div</b>			2018	2019	2020	2021	2022	Total Capital Costs
421	4010								
CP-PW-18-FE	3540-001	52-00	Operating	\$0	\$26,725	\$0	\$0	\$0	\$26,725
FLEET FASTER ASSET UPGRADE TO FASTER WEB									

<b>Fund</b>	<b>Dept/Div</b>									<b>Total Capital Costs</b>
421	4010				2018	2019	2020	2021	2022	
CP-PW-18-FA	3540-001	68-10	Software		\$0	\$20,000	\$0	\$0	\$0	\$20,000
FLEET FASTER ASSET UPGRADE TO FASTER WEB										
CP-WS-18-AF	WS16UP	31-00	Professional Services		\$1,398,790	\$0	\$0	\$0	\$0	\$1,398,790
Utility Privatization Services										
4010 Division TOTAL					\$1,398,790	\$46,725	\$0	\$0	\$0	\$1,445,515

<b>Fund</b>	<b>Dept/Div</b>									<b>Total Capital Costs</b>
421	4020				2018	2019	2020	2021	2022	
CP-WS-18-AT	WS18AS	63-00	Infrastructure		\$200,000	\$0	\$0	\$0	\$0	\$200,000
Automatic Transfer Switch (ATS) Replacement at the TCR Pump Station										
CP-WS-18-CI	WS1117	63-00	Infrastructure		\$200,000	\$0	\$0	\$0	\$0	\$200,000
Computerized Maintenance Management System (CMMS) Implementation										
CP-WS-18-AI	WS18DW	63-00	Infrastructure		\$250,000	\$250,000	\$250,000	\$250,000	\$250,000	\$1,250,000
Drinking Water System E&IC Reliability and Automation Improvements										
CP-WS-18-GC	WS18DG	63-00	Infrastructure		\$170,000	\$0	\$0	\$0	\$0	\$170,000
Dyal Groundwater Clearwell Transfer Pump Control System Upgrade										
CP-WS-18-RC	WS18DP	63-00	Infrastructure		\$330,000	\$0	\$0	\$0	\$0	\$330,000
Dyal Groundwater WTP Reactor Clarifier No. 1 Pipeline Replacement - Construction										
CP-WS-17-DG	WS17LC	63-00	Infrastructure		\$90,000	\$0	\$0	\$0	\$0	\$90,000
Dyal WTP Package System PLC Upgrade - Cal Flow										
CP-WS-17-OZ	WS17FC	63-00	Infrastructure		\$160,000	\$0	\$0	\$0	\$0	\$160,000
Dyal WTP Package System Programmable Logic Controller Upgrade - Belt Filter Press										
CP-WS-18-SU	WS18SC	63-00	Infrastructure		\$170,000	\$0	\$0	\$0	\$170,000	\$340,000
Dyal WTP SCADA server, OS and Server Software Upgrade										
CP-WS-17-WC		68-10	Software		\$0	\$0	\$120,000	\$0	\$0	\$120,000
FY2020 SCADA Design Programming (Water Capital Project)										
CP-WS-17-CA		63-00	Infrastructure		\$0	\$0	\$0	\$60,000	\$0	\$60,000
FY2021 SCADA Design Programming (Water Capital Project)										

Fund 421	Dept/Div 4020			2018	2019	2020	2021	2022	Total Capital Costs
CP-WS-18-SD	68-10	Software		\$0	\$0	\$0	\$0	\$120,000	\$120,000
FY2022 SCADA Design Programming (Water Capital Project)									
CP-WS-17-V6	64-00	Machinery & Equipment		\$32,900	\$0	\$0	\$0	\$0	\$32,900
Replacement of vehicle #03 (2008 Ford F250)									
CP-WS-17-V7	64-00	Machinery & Equipment		\$34,500	\$0	\$0	\$0	\$0	\$34,500
Replacement of vehicle #121 (2007 Ford F250 UTILITY)									
CP-WS-17-V11	64-00	Machinery & Equipment		\$0	\$34,975	\$0	\$0	\$0	\$34,975
Replacement of vehicle #130 (2010 Ford F250 UTILITY)									
CP-WS-17-V10	64-00	Machinery & Equipment		\$0	\$34,975	\$0	\$0	\$0	\$34,975
Replacement of vehicle #23 (2009 Ford F250 UTILITY)									
CP-WS-15-LN	64-00	Machinery & Equipment		\$0	\$0	\$250,000	\$0	\$0	\$250,000
Replacement of vehicle #47 (1996 Ford LNT8000)									
CP-WS-17-V8	64-00	Machinery & Equipment		\$34,500	\$0	\$0	\$0	\$0	\$34,500
Replacement of vehicle #78 (2004 Ford F250 UTILITY)									
CP-WS-17-V9	64-00	Machinery & Equipment		\$34,500	\$0	\$0	\$0	\$0	\$34,500
Replacement of vehicle #94 (2005 Ford F250 UTILITY)									
CP-WS-16-WR	WS1106	63-00	Infrastructure	\$250,000	\$250,000	\$250,000	\$250,000	\$250,000	\$1,250,000
WS-19 Raw Water Well Rehabilitation									
CP-WS-16-FC	WS18SW	63-00	Infrastructure	\$418,000	\$32,000	\$0	\$0	\$0	\$450,000
WT-56 Dyal Surface Water Filters Canopy and Enclosure									
CP-WS-16-DE	WS18DE	63-00	Infrastructure	\$98,000	\$872,000	\$0	\$0	\$0	\$970,000
WT-57 Dyal HSP #4 Tier 4 Diesel Engine Replacement									
CP-WS-18-DL	63-00	Infrastructure		\$0	\$290,000	\$0	\$0	\$0	\$290,000
WT59 Dyal Dewatered Lime Sludge Storage Structure - Design and Construction									
CP-WS-18-LS	WS18CB	63-00	Infrastructure	\$0	\$0	\$0	\$0	\$420,000	\$420,000
WT69 Dyal Groundwater WTP Chemical Building New Lime Silo Stairway - Construction									
CP-WS-18-DB	64-00	Machinery & Equipment		\$0	\$0	\$0	\$0	\$160,000	\$160,000
WT70 Dyal WTP Surface Water Dewatering Building - Polymer System Upgrade-Construction									

<b>Fund</b>	<b>Dept/Div</b>									<b>Total Capital Costs</b>
421	4020				2018	2019	2020	2021	2022	
CP-WS-18-DF	WS18CP	63-00	Infrastructure		\$300,000	\$0	\$0	\$0	\$0	\$300,000
WT71 Dyal Groundwater WTP Chemical Building - Two Disc Flow Pumps for Lime Feed System - Const.										
CP-WS-18-PS	WS18UP	63-00	Infrastructure		\$50,000	\$0	\$0	\$0	\$0	\$50,000
WT72 Dyal WTP server Uninterrupted Power Supply (UPS) Upgrade										
CP-WS-18-PC		63-00	Infrastructure		\$0	\$0	\$0	\$0	\$140,000	\$140,000
WT73 Dyal High Service Pump Control System Upgrade										
4020 Division TOTAL					\$2,822,400	\$1,763,950	\$870,000	\$560,000	\$1,510,000	\$7,526,350

<b>Fund</b>	<b>Dept/Div</b>									<b>Total Capital Costs</b>
421	4025				2018	2019	2020	2021	2022	
CP-WS-17-V17		64-00	Machinery & Equipment		\$0	\$0	\$38,100	\$0	\$0	\$38,100
Replacement of vehicle #15 (2009 Ford F250 UTILITY)										
CP-WS-15-71		64-00	Machinery & Equipment		\$49,241	\$0	\$0	\$0	\$0	\$49,241
Replacement of vehicle #171 (2001 Ford F450 Dump)										
CP-WS-16-V6		64-00	Machinery & Equipment		\$0	\$0	\$38,100	\$0	\$0	\$38,100
Replacement of vehicle #174 (2009 Ford F250 Utility)										
CP-WS-15-29		64-00	Machinery & Equipment		\$0	\$0	\$70,900	\$0	\$0	\$70,900
Replacement of vehicle #29 (2002 Ford F450 Dump)										
CP-WS-15-32		64-00	Machinery & Equipment		\$0	\$0	\$71,900	\$0	\$0	\$71,900
Replacement of vehicle #32 (2002 Ford F450 Dump)										
CP-WS-18-V1		64-00	Machinery & Equipment		\$53,939	\$0	\$0	\$0	\$0	\$53,939
Replacement of vehicle #79 (2002 Ford F450 Utility)										
CP-WS-15-92		64-00	Machinery & Equipment		\$0	\$76,900	\$0	\$0	\$0	\$76,900
Replacement of vehicle #92 (2008 Ford F350 Utility)										
4025 Division TOTAL					\$103,180	\$76,900	\$219,000	\$0	\$0	\$399,080

<b>Fund</b>	<b>Dept/Div</b>									<b>Total Capital Costs</b>
421	4055				2018	2019	2020	2021	2022	
CP-WS-17-WP	WS0501	63-00	Infrastructure		\$2,420,000	\$0	\$0	\$0	\$0	\$2,420,000
14"/18" AC Raw Water Pipeline Upgrade and Well 17 Area Isolation Valves - Phase I Construction										

Fund		Dept/Div			2018	2019	2020	2021	2022	Total Capital Costs
421		4055								
CP-WS-17-CP	WS1210	68-10	Infrastructure		\$500,000	\$0	\$0	\$0	\$0	\$500,000
Capital Plan Update										
CP-WS-14-39	WS18MI	63-00	Infrastructure		\$150,000	\$1,290,000	\$0	\$0	\$0	\$1,440,000
DS-39 Merritt Island In-line Booster Pump Station										
CP-WS-18-FL		63-00	Infrastructure		\$0	\$0	\$0	\$0	\$610,000	\$610,000
DS40 Ivy Dr. and Fenner Rd. Looping										
CP-WS-18-PB		63-00	Infrastructure		\$0	\$0	\$0	\$0	\$880,000	\$880,000
DS43 Pluckebaum Rd and A Ln Looping										
CP-WS-18-BR		63-00	Infrastructure		\$0	\$0	\$0	\$0	\$200,000	\$200,000
DS55 Banana River Drive Canal Crossing										
CP-WS-17-BR	WS18BR	63-00	Infrastructure		\$370,000	\$1,169,634	\$2,792,502	\$0	\$0	\$4,332,136
DS-56 Banana River Tank Improvements										
CP-WS-16-PS	DSCO	63-00	Infrastructure		\$0	\$0	\$87,616	\$1,092,384	\$0	\$1,180,000
DS-60 Banana River and Viera Pump Station Chloramination Improvements										
CP-WS-18-PL		63-00	Infrastructure		\$0	\$0	\$0	\$0	\$310,000	\$310,000
DS62 Imperial to Central Pipe Loop/Brown Circle										
CP-WS-16-MM	WS16MM	63-00	Infrastructure		\$2,100,000	\$0	\$0	\$0	\$0	\$2,100,000
DS-63 Marlin Manor Pipeline Improvements - Construction										
CP-WS-12-DP	WS1404	63-00	Infrastructure		\$4,456,476	\$13,902,001	\$3,297,999	\$0	\$0	\$21,656,476
Dyal Chemical Conversion & Reliability Improvement Project - Construction										
CP-WS-17-WE	WS18WF	63-00	Infrastructure		\$1,150,000	\$0	\$0	\$0	\$0	\$1,150,000
Fiber Optic Cable from Dyal WTP to Wewa WTP										
CP-WS-17-FO	WS17FO	63-00	Infrastructure		\$690,000	\$0	\$0	\$0	\$0	\$690,000
Fiber Optic Cable from Police Department to Dyal WTP										
CP-WS-18-FB	WS18FB	63-00	Infrastructure		\$1,000,000	\$0	\$0	\$0	\$0	\$1,000,000
Fiske Boulevard Pipeline Improvements - Peachtree to Highland										
CP-UT-18-HS	WS18HS	63-00	Infrastructure		\$0	\$98,720	\$0	\$0	\$0	\$98,720
Harrison Street Streetscape (Utility portion)										

Fund		Dept/Div			2018	2019	2020	2021	2022	Total Capital Costs
421		4055								
CP-WS-18-MA	WS17MI	63-00	Infrastructure		\$740,000	\$0	\$0	\$0	\$0	\$740,000
Michigan Avenue Force Main (Carry Forward)										
CP-WS-18-SS	WS18SS	63-00	Infrastructure		\$659,356	\$0	\$0	\$0	\$0	\$659,356
Stone Street Corridor Streetscaping (Utility portion)										
CP-WS-13-PM	WS1221	63-00	Infrastructure		\$1,500,000	\$1,400,000	\$1,200,000	\$1,100,000	\$1,000,000	\$6,200,000
Utilities Program Management										
CP-WS-18-TS	WS1210	68-10	Software		\$30,000	\$300,000	\$30,000	\$30,000	\$30,000	\$420,000
Wastewater Capital Plan										
CP-WS-14-03	WS0501	63-00	Infrastructure		\$0	\$0	\$0	\$0	\$240,000	\$240,000
WS-03 Pigging and Flushing Improvements for Raw Water Pipelines										
CP-WS-14-05	WS-05	63-00	Infrastructure		\$0	\$0	\$0	\$1,100,955	\$2,319,045	\$3,420,000
WS-05 54 inch Redundant Pipe to Dyal										
CP-WS-05-01	WS0501	63-00	Infrastructure		\$0	\$0	\$99,892	\$5,428,703	\$2,767,574	\$8,296,169
WS-09 42 inch New Pipeline West of Well 7A to Dallas Wewa										
CP-WS-18-RP		63-00	Infrastructure		\$0	\$0	\$0	\$0	\$390,000	\$390,000
WS11 Redundant Pipeline Well 20 to 23 - Design										
CP-WS-12-PL	WS1201	63-00	Infrastructure		\$2,770,786	\$2,142,744	\$3,000,000	\$3,424,610	\$5,000,000	\$16,338,140
WS1201 Pipe Infrastructure Assessment and Replacement										
CP-WS-18-NW		63-00	Infrastructure		\$0	\$820,000	\$0	\$0	\$0	\$820,000
WS20 Install New Well No. 17										
CP-WS-18-SI		63-00	Infrastructure		\$0	\$0	\$0	\$0	\$2,300,000	\$2,300,000
WS22 Wellfield Security Improvements										
CP-WS-14-02	WS1402	63-00	Infrastructure		\$3,995,629	\$0	\$0	\$0	\$0	\$3,995,629
WT-02 Separation of Groundwater and Surface Water Clear Well										
CP-WS-18-LF		63-00	Infrastructure		\$0	\$0	\$0	\$0	\$840,000	\$840,000
WT37 Lime Feed and Storage System Improvements										
CP-WS-18-BE		63-00	Infrastructure		\$0	\$0	\$0	\$0	\$1,540,000	\$1,540,000
WT48 Recarbonation Basin Expansion-Reactor Clarifiers #1/#2 - Design and Construction										

<b>Fund</b> 421	<b>Dept/Div</b> 4055			2018	2019	2020	2021	2022	Total Capital Costs
CP-WS-15-SU	WS1508	63-00	Infrastructure	\$0	\$310,000	\$3,250,000	\$0	\$0	\$3,560,000
WT-51 Sulfuraetor									
CP-WS-16-GI	WT-54	63-00	Infrastructure	\$0	\$0	\$430,000	\$3,860,000	\$0	\$4,290,000
WT-54 Tier 4 Generator Improvements									
CP-WS-18-SB		62-00	Building	\$0	\$0	\$0	\$0	\$220,000	\$220,000
WT58 Dyal WTP Storage Building									
CP-WS-18-BP		63-00	Infrastructure	\$0	\$90,000	\$950,000	\$0	\$0	\$1,040,000
WT61 Dyal CO2 Bulk Package System									
CP-WS-17-TT	WS18DT	64-00	Machinery & Equipment	\$110,000	\$0	\$0	\$0	\$0	\$110,000
WT-62 Dyal TTHM Prevention and/or Reduction									
CP-WS-17-DF	WS18RD	63-00	Infrastructure	\$0	\$640,000	\$6,840,000	\$0	\$0	\$7,480,000
WT-63 Replacement of Dyal Finished Water Steel GST									
CP-WS-15-OI	WT-CO	64-00	Machinery & Equipment	\$0	\$0	\$1,513,504	\$3,036,496	\$0	\$4,550,000
WT-CO Ozone Improvements (Generator Replacement, Chiller Replacement, Contactor Improvements)									
4055 Division TOTAL				\$22,642,247	\$22,163,099	\$23,491,513	\$19,073,148	\$18,646,619	\$106,016,626

<b>Fund</b> 421	<b>Dept/Div</b> 4120			2018	2019	2020	2021	2022	Total Capital Costs
CP-WS-18-BS		63-00	Infrastructure	\$0	\$0	\$200,000	\$200,000	\$1,800,000	\$2,200,000
Biosolids Improvements Project									
CP-WS-17-PA	WW-32	63-00	Infrastructure	\$0	\$115,000	\$0	\$0	\$0	\$115,000
Bracco Pond Aeration									
CP-WS-18-BI	WW-32	63-00	Infrastructure	\$0	\$90,000	\$0	\$0	\$0	\$90,000
Bracco Pond Interconnect									
CP-WS-18-CS		63-00	Infrastructure	\$0	\$100,000	\$600,000	\$0	\$0	\$700,000
Chemical Storage Relocation									
CP-WS-18-UP	WS17CM	63-00	Infrastructure	\$50,000	\$0	\$0	\$0	\$0	\$50,000
CMMS Update Phase II									



<b>Fund</b> 421	<b>Dept/Div</b> 4120			2018	2019	2020	2021	2022	Total Capital Costs
CP-WS-18-GR	63-00	Infrastructure		\$0	\$0	\$0	\$0	\$200,000	\$200,000
Generator Replacement									
CP-WS-18-IP	63-00	Infrastructure		\$0	\$0	\$0	\$0	\$205,000	\$205,000
Internal Recycle Pump Replacement									
CP-WS-18-FI	WS16SF	63-00	Infrastructure	\$2,115,000	\$2,115,000	\$0	\$0	\$0	\$4,230,000
Jerry Sellers Flow Improvements									
CP-WS-18-LE	WS18SE	62-00	Building	\$65,000	\$0	\$0	\$0	\$0	\$65,000
Jerry Sellers WRF Laboratory Expansion									
CP-WS-18-OP	WS18PR	31-00	Professional Services	\$65,000	\$0	\$0	\$0	\$0	\$65,000
Jerry Sellers WRF Operating Permit Renewal									
CP-WS-18-LP	63-00	Infrastructure		\$0	\$0	\$0	\$200,000	\$0	\$200,000
LCP No. 1 Rehabilitation									
CP-WS-18-CR	WS1222	63-00	Infrastructure	\$780,000	\$0	\$0	\$0	\$0	\$780,000
MCC and Conduit Replacement Project (Carry Forward)									
CP-WS-18-MP	63-00	Infrastructure		\$0	\$65,000	\$650,000	\$0	\$0	\$715,000
Michigan Pond Supplemental Reuse									
CP-WS-17-ML	WS1510	63-00	Infrastructure	\$40,000	\$400,000	\$750,000	\$0	\$0	\$1,190,000
Mud Lake Wetlands									
CP-WS-18-FR	64-00	Machinery & Equipment		\$21,200	\$0	\$0	\$0	\$0	\$21,200
New F150 Ref Cab									
CP-WS-18-WP	63-00	Infrastructure		\$0	\$0	\$0	\$600,000	\$0	\$600,000
Reclaimed Water Pump Replacement									
CP-WS-18-RM	64-00	Machinery & Equipment		\$0	\$0	\$0	\$550,000	\$0	\$550,000
Replacement of MCCs 7 and 8									
CP-WS-17-V16	64-00	Machinery & Equipment		\$0	\$30,237	\$0	\$0	\$0	\$30,237
Replacement of vehicle #42 (2006 Ford E250 VAN)									
CP-WS-17-RT	WS17RT	63-00	Infrastructure	\$150,000	\$150,000	\$150,000	\$150,000	\$150,000	\$750,000
RTU Replacement									

<b>Fund</b> 421	<b>Dept/Div</b> 4120			2018	2019	2020	2021	2022	Total Capital Costs
CP-WS-18-TR	63-00	Infrastructure		\$0	\$0	\$0	\$0	\$250,000	\$250,000
Tank recoating project									
CP-WS-18-TP	63-00	Infrastructure		\$0	\$0	\$0	\$430,000	\$0	\$430,000
Transfer pump replacement									
CP-WS-18-DC	63-00	Infrastructure		\$0	\$0	\$0	\$0	\$2,530,000	\$2,530,000
UV Disinfection Conversion									
CP-WS-17-VI	WS17VA	63-00	Infrastructure	\$60,000	\$0	\$0	\$0	\$0	\$60,000
Valve Identification Project									
CP-WS-17-V2	64-00	Machinery & Equipment		\$56,000	\$0	\$0	\$0	\$0	\$56,000
Water Reclamation E250 Van									
4120 Division TOTAL				\$3,402,200	\$3,065,237	\$2,350,000	\$2,130,000	\$5,135,000	\$16,082,437

<b>Fund</b> 421	<b>Dept/Div</b> 4125			2018	2019	2020	2021	2022	Total Capital Costs
CP-WS-17-R3	WS0904	63-00	Infrastructure	\$400,000	\$400,000	\$400,000	\$400,000	\$0	\$1,600,000
CIPP Rehabilitation Phases 3 - 6									
CP-WS-18-SR	63-00	Infrastructure		\$0	\$0	\$0	\$700,000	\$0	\$700,000
Lift Station No. 1 Replacement									
CP-WS-17-V18	63-00	Infrastructure		\$0	\$0	\$0	\$38,100	\$0	\$38,100
Replacement of vehicle #53 (2009 Ford F250 UTILITY)									
CP-WS-17-V1	WW-33	64-00	Machinery & Equipment	\$0	\$0	\$30,237	\$0	\$0	\$30,237
Water Reclamation Fleet E250 Van									
CP-WS-17-V3	WW-36	64-00	Machinery & Equipment	\$0	\$0	\$0	\$38,100	\$0	\$38,100
WFO Sewer F250 Utility Ford									
CP-WS-17-V4	WW-37	64-00	Machinery & Equipment	\$0	\$0	\$0	\$75,900	\$0	\$75,900
WFO Sewer F450 Dump Ford									
4125 Division TOTAL				\$400,000	\$400,000	\$430,237	\$1,252,100	\$0	\$2,482,337
421 Fund Total				\$30,859,907	\$27,526,307	\$27,360,750	\$23,015,248	\$25,291,619	\$134,053,831

<b>Fund</b>	<b>Dept/Div</b>								
423	3570			2018	2019	2020	2021	2022	Total Capital Costs
CP-SW-11-Cra	PW08CG	63-00	Infrastructure	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$250,000
Annual Curb & Gutter R&M Program									
CP-SW-11-CR	SW08PL	63-00	Infrastructure	\$200,000	\$200,000	\$200,000	\$200,000	\$200,000	\$1,000,000
Annual Cured in Place Pipe Lining									
CP-PW-17-FY	PW17SI	63-00	Infrastructure	\$140,000	\$0	\$0	\$0	\$0	\$140,000
Fiske Blvd Complete Streets Roadway, and Sidewalk Improvements Phase 3 (General Fund)									
CP-PW-17-HS	SW17HS	63-00	Infrastructure	\$0	\$95,867	\$0	\$0	\$0	\$95,867
Harrison Street Streetscape (Stormwater portion)									
CP-SW-12-IR	SW1503	63-00	Infrastructure	\$0	\$80,000	\$80,000	\$80,000	\$80,000	\$320,000
Indian River Drive Baffle Box									
CP-SW-17-MB		64-00	Machinery & Equipment	\$0	\$310,000	\$0	\$0	\$0	\$310,000
Mechanical Broom Sweeper									
CP-SW-12-RR	SW1301	63-00	Infrastructure	\$0	\$0	\$250,000	\$0	\$0	\$250,000
Pipe Range Road Drainage Ditch									
CP-PW-18-SS		63-00	Infrastructure	\$120,414	\$0	\$0	\$0	\$0	\$120,414
Stone street Corridor Streetscaping (Stormwater portion)									
CP-SW-18-AM		31-00	Professional Services	\$80,000	\$50,000	\$0	\$0	\$0	\$130,000
Stormwater GIS Asset Mapping									
CP-SW-17-FA		63-00	Infrastructure	\$250,000	\$135,000	\$0	\$0	\$0	\$385,000
US1 and Forrest Ave Stormwater Facility									
CP-PW-18-YI		64-00	Machinery & Equipment	\$32,000	\$0	\$0	\$0	\$0	\$32,000
Yale Industrial Forklift									
3570 Division TOTAL				\$872,414	\$920,867	\$580,000	\$330,000	\$330,000	\$3,033,281
423 Fund Total				\$872,414	\$920,867	\$580,000	\$330,000	\$330,000	\$3,033,281
<b>Total Requests</b>				<b>\$40,727,191</b>	<b>\$42,947,276</b>	<b>\$30,688,801</b>	<b>\$28,014,998</b>	<b>\$28,383,911</b>	<b>\$170,762,177</b>

City of Cocoa Capital Improvement Plan  
FY 2018 through FY 2022

**General Fund Projects**



# CIP Detail Project Report FY 2018 - FY 2022



**CIP Fiscal Year Period** FY 2018 - FY 2022

**Fund:** 001 **Dept/Div:** 1103

CIP #: CP-IT-17-AE Project #: Account #: 52-00 CIP Classification: Operating District: City

Project Name: Aegis 11 Enterprise Upgrade FY Start: 2018 Quarter: Q2

Project Location: City FY End: 2018 Quarter: Q1

## Project Description

Upgrade from Aegis 10.3 MSP to Aegis 11.0 Enterprise. This project includes implementation services and travel related expenses required by Tyler to upgrade the existing public safety software.

## Project Justification

Aegis Enterprise includes several next generation features such as enhanced 911, advanced GIS integration and data sharing with several other agencies throughout Brevard County.

## Strategic Connection: Operational

The Aegis Public Safety software suite is an essential tool used by Cocoa Police and Fire Departments.

Total Cost of Project	Total Cost to Date	2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
\$95,600	\$0		\$0	\$0	\$0	\$95,600

## Recurring Annual Costs

Operating	\$0
Maintenance	\$1,360
Personal	\$0
Other Non-Capital	\$0
<b>Total Recurring Costs</b>	<b>\$1,360</b>

## Capital Costs and Proposed Financing by Fiscal Year

2018	\$95,600	Revenue
2019	\$0	\$0 this FY
2020	\$0	\$0 this FY
2021	\$0	\$0 this FY
2022	\$0	\$0 this FY

**Total Capital Costs** \$95,600

## Financing Comments

CIE\_Designation ☐

# CIP Detail Project Report FY 2018 - FY 2022



CIP Fiscal Year Period FY 2018 - FY 2022

Fund: 001 Dept/Div: 1103

CIP #: CP-IT-18-FR Project #: Account #: 63-00 CIP Classification: Infrastructure District: City

Project Name: Complete City Fiber Ring FY Start 2018 Quarter Q2

Project Location: Police Department to City Hall FY End 2018 Quarter Q1

## Project Description

Construction of the last section of City fiber from the Police Department to City Hall, completing the fiber ring.

## Project Justification

The existing fiber infrastructure consists of a collapsed ring that loops back on itself to provide redundancy. Construction of additional fiber would complete the ring, making the system more redundant. The proposed fiber would cross three major roads (520, Fiske, & US1), railroad tracks, and ten minor roads. Completion of the fiber ring would provide for high availability of network services and reduced downtime in the event of a fiber cut.

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date	2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
\$89,956	\$0		\$0	\$0	\$0	\$0

## Recurring Annual Costs

Operating	\$0
Maintenance	\$0
Personal	\$0
Other Non-Capital	\$0
<b>Total Recurring Costs</b>	<b>\$0</b>

## Capital Costs and Proposed Financing by Fiscal Year

2018	\$0	Revenue
2019	\$89,956	Revenue
2020	\$0	\$0 this FY
2021	\$0	\$0 this FY
2022	\$0	\$0 this FY

Total Capital Costs \$89,956

## Financing Comments

CIE\_Designation ☐

## Robert Beach

---

**From:** Jason McCuen  
**Sent:** Friday, March 31, 2017 4:03 PM  
**To:** Robert Beach  
**Subject:** 2016 FEC Permits (Voided)

IT16FR - PD to City Hall Return Fiber FEC Permit - Application (\$5k) & ROE (\$1.5k)		——6,500.00
VOIDED - 09/20/2016		
IT16FR - PD to City Hall Return Fiber FEC Permit - Engineering Review		——1,500.00
VOIDED - 09/20/2016		



*Serving our Community with PRIDE!*

**Jason McCuen**

**Help Desk Technician**

Information Technology  
City of Cocoa  
65 Stone St  
Cocoa, FL 32922-7982

To initiate a tech support request, view or add notes of an existing ticket, or to provide feedback, please utilize the Help Desk Web Portal located at: <http://mainv-app02.cocoafl.org/helpdesk/Forms/LoginPage.aspx>

Access email on any internet platform:

Office Exchange Email: <https://webmail.cocoafl.org>

Office 365 Email: <https://outlook.office365.com>



City of Cocoa- Return path PD to City Hall

3/31/2017

Item #	Police Department to City Hall return Path - Construction	Qty	Unit	Amount	Ext.
1	Design new reroute	2150	Ft	\$0.75	\$1,612.50
2	permit new reroute	2150	Ft	\$0.25	\$537.50
3	adder- railroad crossing design - minimum charge	1500	Ft	\$0.75	\$1,125.00
4	adder- railroad crossing permit - minimum charge ( not including permit fee)	1500	Ft	\$0.25	\$375.00
5	PE Stamp ( if required)	1	Ea	\$500.00	\$500.00
6	Furnish & Directional Bore (1) 2" Duct	3160	Ft	\$12.00	\$37,920.00
7	Furnish & Install 24"x36"x18" handholes with 20k lids	5	Ea	\$600.00	\$3,000.00
8	Core bores	4	Ea	\$100.00	\$400.00
9	saw cut	200	sqft	\$1.00	\$200.00
10	Conc remo	150	Sqft	\$3.50	\$525.00
11	Conc replace	150	Sqft	\$7.00	\$1,050.00
12	Material - Conc	150	Sqft	\$5.00	\$750.00
13	asphalt remo	50	sqft	\$2.50	\$125.00
14	asphalt replace	50	sqft	\$5.25	\$262.50
15	material - asphalt	50	sqft	\$5.00	\$250.00
16	Install muletape - New	3160	Ft	\$0.25	\$790.00
17	Furnish & Install #12 tracer wire	3160	Ft	\$0.35	\$1,106.00
18	Furnish Install 144 Fiber optic cable to existing vaults in front of city hall & police - (collapsed into bldgs)	9075	Ft	\$2.50	\$22,687.50
19	Furnish & install 24 foc	715	Ft	\$1.44	\$1,029.60
20	Install splice case	2	Ea	\$250.00	\$500.00
21	Splice case 8.5x22	2	Ea	\$706.20	\$1,412.40
22	Install Splice trays	2	Ea	\$55.00	\$110.00
23	Fusion Splice fibers ( 24 per location)	96	Ea	\$30.00	\$2,880.00
24	Marker posts	10	Ea	\$65.00	\$650.00
25	Marker posts with test stations	2	Ea	\$85.00	\$170.00
26	Material - loaded 24 count fiber panel ( existing rack)	1	Ea	\$1,029.00	\$1,029.00
27	12 port bulkhead for existing panel	2	Ea	\$110.00	\$220.00
28	24 pigtails for existing panel	24	Ea	\$21.00	\$504.00
29	splice tray for existing panel	1	Ea	\$55.00	\$55.00
30	Material - ground rods	5	Ea	\$36.00	\$180.00
	<b>Construction Total</b>				<b>\$81,956.00</b>

NOTE:

Pricing is only valid if direct awarded as a whole under palm coast contract piggyback

If project is bid out this proposal becomes null & void. A new proposal will be supplied with pricing specific to project and not palm coast contract rates.

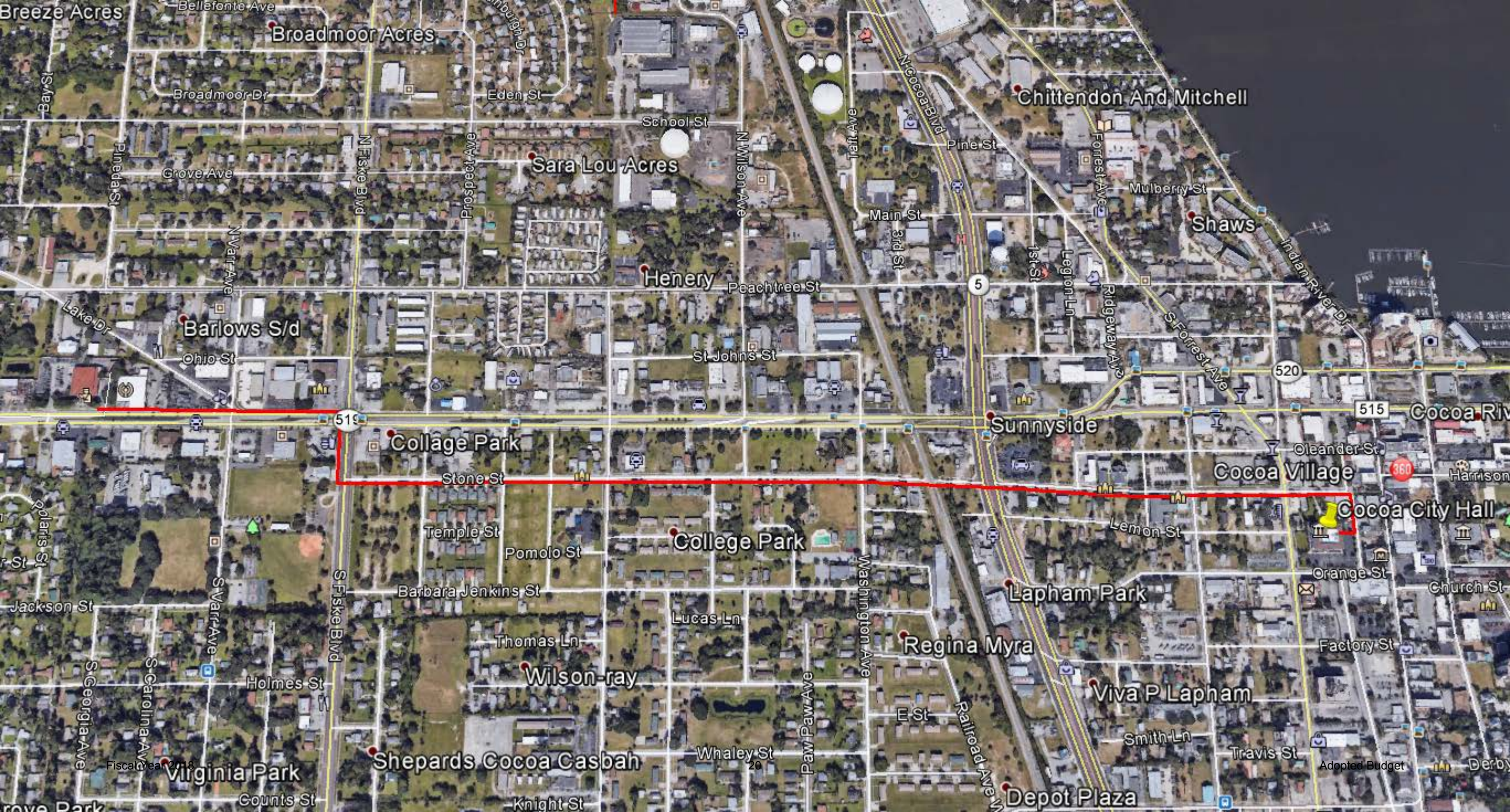
Does not include city county or railroad permit fees. All permit fees to be paid by city directly.  
includes terminating & splicing 24 of 144 fiber

Assumes existing conduit is usable & not damaged - starting at FI & Orange st into city hall

Price does not include any rock adders in the event that rock is encountered in the process of boring.  
Rates based on City of Palm Coast Contract

Dan Howick  
Manager  
Danella Construction Corporation of Florida, Inc  
581 Washburn Road Melbourne, FL 32934  
321-259-6124  
[dhowick@danella.com](mailto:dhowick@danella.com)







# CIP Detail Project Report FY 2018 - FY 2022



CIP Fiscal Year Period FY 2018 - FY 2022

Fund: 001 Dept/Div: 2100

CIP #: CP-PD-18-L1 Project #: PD16IT Account #: 64-15 CIP Classification: IT Machinery & Equipment District: City

Project Name: Laptops for Officers/Patrol Vehicles

FY Start 2018 Quarter Q4

Project Location: Police Department

FY End 2018 Quarter Q1

## Project Description

Ten new laptops will be purchased each year for patrol officers to replace laptops that are worn and have fulfilled their life span. Additionally, this would equip the vehicles with the proper laptop mounts for the new vehicles and laptops.

## Project Justification

This is necessary to keep up with the technology of the times and to update old worn out equipment. Additionally, this project will assist the police department in having the proper mounting systems for the laptops in the vehicles. The total recurring operating costs, (\$12,300) we are currently already paying.

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
\$260,000	\$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	\$0	\$0	\$0	\$52,000

## Recurring Annual Costs

Operating	\$12,300
Maintenance	\$0
Personal	\$0
Other Non-Capital	\$0
<b>Total Recurring Costs</b>	<b>\$12,300</b>

## Capital Costs and Proposed Financing by Fiscal Year

2018	\$52,000	Revenue
2019	\$52,000	Revenue
2020	\$52,000	Revenue
2021	\$52,000	Revenue
2022	\$52,000	Revenue

Total Capital Costs \$260,000

## Financing Comments

Once the project is approved, a specific vehicle type is necessary in order to properly quote the kit (make, model, year, etc.). DV grant applied for and is anticipated to cover a portion of the acquisition.

CIE\_Designation ☐

# QUOTE CONFIRMATION



DEAR CITY OF COCOA,

Thank you for considering CDW•G for your computing needs. The details of your quote are below. [Click here](#) to convert your quote to an order.

QUOTE #	QUOTE DATE	QUOTE REFERENCE	CUSTOMER #	GRAND TOTAL
HTCX898	3/8/2017	PANASONIC CF54	5938989	\$35,264.25

QUOTE DETAILS				
ITEM	QTY	CDW#	UNIT PRICE	EXT. PRICE
<a href="#">Panasonic Toughbook 54 Premium Public Sector Service Package - 14" - Core i</a> Mfg. Part#: CF-54F9-00KM UNSPSC: 43211503 Contract: NJPA 100614#CDW Technology Catalog (100614#CDW)	7	4379459	\$3,800.00	\$26,600.00
<a href="#">Havis PKG-PSM-203 - mounting kit</a> Mfg. Part#: PKG-PSM-203 UNSPSC: 31162313 Contract: NJPA 100614#CDW Technology Catalog (100614#CDW)	7	2144721	\$412.75	\$2,889.25
<a href="#">Havis CF-H-PAN-422-2-P - port replicator</a> Mfg. Part#: CF-H-PAN-422-2-P UNSPSC: 43211603 Contract: NJPA 100614#CDW Technology Catalog (100614#CDW)	7	3723657	\$825.00	\$5,775.00

PURCHASER BILLING INFO		SUBTOTAL	\$35,264.25
<b>Billing Address:</b> CITY OF COCOA CITY OF COCOA 65 STONE ST RM 209 COCOA, FL 32922-7807 <b>Phone:</b> (321) 433-8558 <b>Payment Terms:</b> Request Terms		SHIPPING	\$0.00
		GRAND TOTAL	<b>\$35,264.25</b>
		<b>Please remit payments to:</b>  CDW Government 75 Remittance Drive Suite 1515 Chicago, IL 60675-1515	
DELIVER TO			
<b>Shipping Address:</b> CITY OF COCOA 65 STONE ST COCOA, FL 32922-7982 <b>Shipping Method:</b> DROP SHIP-GROUND			

## Need Assistance? CDW•G SALES CONTACT INFORMATION



John Vrablik

(877) 466-6333

johnvra@cdwg.com

This quote is subject to CDW's Terms and Conditions of Sales and Service Projects at <http://www.cdwg.com/content/terms-conditions/product-sales.aspx>  
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# QUOTE CONFIRMATION



DEAR CITY OF COCOA,

Thank you for considering CDW•G for your computing needs. The details of your quote are below. [Click here](#) to convert your quote to an order.

QUOTE #	QUOTE DATE	QUOTE REFERENCE	CUSTOMER #	GRAND TOTAL
HTCX869	3/8/2017	PANASONIC CF54	5938989	<b>\$125,943.75</b>

QUOTE DETAILS				
ITEM	QTY	CDW#	UNIT PRICE	EXT. PRICE
<a href="#">Panasonic Toughbook 54 Premium Public Sector Service Package - 14" - Core i</a> Mfg. Part#: CF-54F9-00KM UNSPSC: 43211503 Contract: NJPA 100614#CDW Technology Catalog (100614#CDW)	25	4379459	\$3,800.00	\$95,000.00
<a href="#">Havis PKG-PSM-203 - mounting kit</a> Mfg. Part#: PKG-PSM-203 UNSPSC: 31162313 Contract: NJPA 100614#CDW Technology Catalog (100614#CDW)	25	2144721	\$412.75	\$10,318.75
<a href="#">Havis CF-H-PAN-422-2-P - port replicator</a> Mfg. Part#: CF-H-PAN-422-2-P UNSPSC: 43211603 Contract: NJPA 100614#CDW Technology Catalog (100614#CDW)	25	3723657	\$825.00	\$20,625.00

PURCHASER BILLING INFO		SUBTOTAL	\$125,943.75
<b>Billing Address:</b> CITY OF COCOA CITY OF COCOA 65 STONE ST RM 209 COCOA, FL 32922-7807 <b>Phone:</b> (321) 433-8558 <b>Payment Terms:</b> Request Terms		SHIPPING	\$0.00
		GRAND TOTAL	<b>\$125,943.75</b>
		<b>DELIVER TO</b> <b>Shipping Address:</b> CITY OF COCOA 65 STONE ST COCOA, FL 32922-7982 <b>Shipping Method:</b> DROP SHIP-GROUND	
		<b>Please remit payments to:</b> CDW Government 75 Remittance Drive Suite 1515 Chicago, IL 60675-1515	

## Need Assistance? CDW•G SALES CONTACT INFORMATION



John Vrablik

(877) 466-6333

johnvra@cdwg.com

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For more information, contact a CDW account manager

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# CIP Detail Project Report FY 2018 - FY 2022



CIP Fiscal Year Period FY 2018 - FY 2022

Fund: 001 Dept/Div: 2100

CIP #: CP-PD-13-VA Project #: Account #: 64-00 CIP Classification: Machinery & Equipment District: City

Project Name: Refabricate SWAT Vehicle FY Start 2019 Quarter Q4

Project Location: City of Cocoa FY End 2019 Quarter Q1

## Project Description

Refabricate the gray SWAT Van

## Project Justification

Enables the Police Department to sustain services to citizens. This vehicle will refabricate current vehicle #267 which is the SWAT van. It is in need of refabrication due to the fact that it is a 1990 Ford P30 Van and has over 100,000 miles on it.

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
\$100,000	\$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	\$0	\$0	\$0	\$0

## Recurring Annual Costs

Operating	\$0
Maintenance	\$0
Personal	\$0
Other Non-Capital	\$0

Total Recurring Costs \$0

## Capital Costs and Proposed Financing by Fiscal Year

2018	\$0	\$0 this FY
2019	\$100,000	Reserves
2020	\$0	\$0 this FY
2021	\$0	\$0 this FY
2022	\$0	\$0 this FY

Total Capital Costs \$100,000

## Financing Comments

We were unable to obtain a quote with the vendor - this is an estimate only.

CIE\_Designation ☐

# CIP Detail Project Report FY 2018 - FY 2022



CIP Fiscal Year Period FY 2018 - FY 2022

Fund: 001 Dept/Div: 2100

CIP #: CP-PD-13-2V Project #: Account #: 64-00 CIP Classification: Machinery & Equipment District: City

Project Name: Replacement Patrol Vehicle FY Start 2019 Quarter Q4

Project Location: City of Cocoa FY End 2019 Quarter Q1

## Project Description

Replace vehicle #245, patrol vehicle

## Project Justification

Enables the Police Department to sustain services to Citizens

## Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
\$33,818	\$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	\$0	\$0	\$0	\$0

## Recurring Annual Costs

Operating	\$700
Maintenance	\$675
Personal	\$0
Other Non-Capital	\$0

Total Recurring Costs \$1,375

## Capital Costs and Proposed Financing by Fiscal Year

2018	\$0	\$0 this FY
2019	\$33,818	Reserves
2020	\$0	\$0 this FY
2021	\$0	\$0 this FY
2022	\$0	\$0 this FY

Total Capital Costs \$33,818

## Financing Comments

Due to the purchase of so many new vehicles in FY16; we are pushing vehicles back one FY.

CIE\_Designation ☐

COMPANY: 001 - City of Cocoa Active Fleet  
DEPARTMENT: 2100 - Cocoa Police

FY-2017 CIP

VEH#	YR	MAKE	MODEL	VIN	TYPE	AGE	MTR	MNT	COND	TOTAL	REPLACE	REP-COST	ANY CAPITALIZATIONS	
225	2005	CHEVY	IMPALA	2G1WF52KX59378627	A	SUPPORT SER	5.0	5.0	8.4	0.0	18.4	02/21/2017	\$22,900	
213	2006	CHEVY	IMPALA	2G1WS551169377253	A	CIV - ADMIN	5.0	3.0	5.6	0.0	13.6	02/21/2018	\$23,500	
269	2007	CHEVY	IMPALA	2G1WS55R179197648	A	CPD DET	5.0	3.6	4.7	0.0	13.3	03/21/2018	\$23,900	
245	2008	CHEVY	IMPALA	2G1WS553989247774	A	SGT MARKED	4.5	2.9	5.7	0.0	13.1	05/21/2018	\$33,818	
238	2008	CHEVY	IMPALA	2G1WS553X89247962	A	SGT MARKED	4.5	2.8	5.2	0.0	12.5	09/21/2018	\$33,818	
265	2007	CHEVY	IMPALA	2G1WS55R379192998	A	CPD DET	5.0	3.1	4.5	0.0	12.6	09/21/2018	\$27,324	
286	2010	CHEVY	IMPALA	2G1WD5EM9A1146452	A	CPD PATROL	3.2	3.4	7.4	-1.0	13.0	10/21/2018	\$32,818	TRANSMISSION
203	2007	CHEVY	IMPALA	2G1WS55R779196150	A	CPD ADMIN	4.1	2.8	5.9	0.0	12.8	11/21/2018	\$27,460	
287	2008	CHEVY	IMPALA	2G1WS553781198122	A	SGT MARKED	4.5	2.6	5.2	0.0	12.3	11/21/2018	\$33,818	REPAINTED - BLACK
219	2008	FORD	TAURUS	1FAHP24W58G161851	A	LT - ADMIN	4.2	3.9	4.2	0.0	12.3	01/21/2019	\$25,900	
236	2008	CHEVY	IMPALA	2G1WS553789250902	A	CPD PATROL	4.5	3.2	4.0	0.0	11.7	02/21/2019	\$33,818	REPAINTED - BLACK
299	2010	CHEVY	IMPALA	2G1WD5EM4A1147542	A	CPD PATROL	3.5	4.0	4.5	0.0	12.0	02/21/2019	\$34,500	
212	2004	CHEVY	IMPALA	2G1WF52K949332706	A	CIV - ADMIN	5.0	2.8	4.0	0.0	11.8	03/21/2019	\$23,900	
298	2010	CHEVY	IMPALA	2G1WD5EM2A1146034	A	CPD PATROL	3.5	3.2	5.1	0.0	11.8	03/21/2019	\$34,500	
288	2009	CHEVY	IMPALA	2G1WS57M191295856	A	CPD PATROL	3.9	3.1	4.7	0.0	11.7	04/21/2019	\$34,500	
228	2007	CHEVY	IMPALA	2G1WS55R879192589	A	SGT MARKED	4.7	3.5	6.4	-2.0	12.6	05/21/2019	\$32,818	REPAINTED - BLACK
297	2010	CHEVY	IMPALA	2G1WD5EM7A1147664	A	CPD PATROL	3.5	2.8	5.0	0.0	11.3	07/21/2019	\$34,500	
229	2008	CHEVY	IMPALA	2G1WS553581269592	A	CIV - ADMIN	4.1	3.6	3.3	0.0	11.0	12/21/2019	\$25,900	
262	2009	CHEVY	IMPALA	2G1WB57K091250762	A	CPD DET	4.1	3.0	3.5	0.0	10.6	01/21/2020	\$25,900	
206	2010	CHEVY	IMPALA	2G1WD5EMXA1252974	A	SGT MARKED	2.9	2.3	5.4	0.0	10.6	04/21/2020	\$35,200	REPAINTED - BLACK
257	2010	CHEVY	IMPALA	2G1WD5EM0A1146551	A	CPD PATROL	2.8	3.3	4.9	0.0	11.0	05/21/2020	\$35,200	
276	2009	CHEVY	IMPALA	2G1WB57K491248030	A	CPD DET	4.1	3.1	2.9	0.0	10.1	05/21/2020	\$25,900	
294	2010	CHEVY	IMPALA	2G1WD5EM3A1146575	A	CPD PATROL	3.5	2.4	3.6	0.0	9.5	09/21/2020	\$35,200	
230	2009	CHEVY	IMPALA	2G1WS57M191261156	A	CPD PATROL	3.7	2.4	3.6	0.0	9.7	11/21/2020	\$35,200	
252	2011	CHEVY	IMPALA	2G1WD5EM1B1184047	A	CPD PATROL	3.1	3.0	3.1	0.0	9.2	12/21/2020	\$35,200	
274	2010	CHEVY	IMPALA	2G1WD5EM4A1181240	A	SGT MARKED	3.3	2.1	3.2	0.0	8.6	05/21/2021	\$35,200	REPAINTED - BLACK
256	2013	FORD	POLICE INTERCEP	1FAHP2L82DG201851	A	CPD PATROL	2.0	2.5	3.4	0.0	7.9	10/21/2021	\$35,200	
244	2013	FORD	POLICE INTERCEP	1FAHP2L84DG201849	A	CPD PATROL	2.0	2.5	2.7	0.0	7.2	04/21/2022	\$35,200	
VEHICLE COUNT: 28													\$873,092	

# CIP Detail Project Report FY 2018 - FY 2022



CIP Fiscal Year Period FY 2018 - FY 2022

Fund: 001 Dept/Div: 2100

CIP #: CP-PD-13-4V Project #: Account #: 64-00 CIP Classification: Machinery & Equipment District: City

Project Name: Replacement Patrol Vehicle

FY Start 2019 Quarter Q4

Project Location: City of Cocoa

FY End 2019 Quarter Q1

## Project Description

Replace Vehicle #238, patrol vehicle

## Project Justification

Enables the Police Department to sustain services to citizens

## Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
\$33,818	\$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	\$0	\$0	\$0	\$0

## Recurring Annual Costs

Operating	\$700
Maintenance	\$675
Personal	\$0
Other Non-Capital	\$0

Total Recurring Costs \$1,375

## Capital Costs and Proposed Financing by Fiscal Year

2018	\$0	\$0 this FY
2019	\$33,818	Reserves
2020	\$0	\$0 this FY
2021	\$0	\$0 this FY
2022	\$0	\$0 this FY

Total Capital Costs \$33,818

## Financing Comments

Due to the purchase of so many new vehicles in FY16; we are pushing vehicles back one FY.

CIE\_Designation ☐



# CIP Detail Project Report FY 2018 - FY 2022



CIP Fiscal Year Period FY 2018 - FY 2022

Fund: 001 Dept/Div: 2100

CIP #: CP-PD-13-8V Project #: Account #: 64-00 CIP Classification: Machinery & Equipment District: City

Project Name: Replacement Patrol Vehicle FY Start 2019 Quarter Q4

Project Location: City of Cocoa FY End 2019 Quarter Q1

## Project Description

Replace vehicle #286, patrol vehicle

## Project Justification

Enables the Police Department to sustain services to citizens

## Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
\$32,818	\$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	\$0	\$0	\$0	\$0

## Recurring Annual Costs

Operating	\$700
Maintenance	\$675
Personal	\$0
Other Non-Capital	\$0

Total Recurring Costs \$1,375

## Capital Costs and Proposed Financing by Fiscal Year

2018	\$0	\$0 this FY
2019	\$32,818	Reserves
2020	\$0	\$0 this FY
2021	\$0	\$0 this FY
2022	\$0	\$0 this FY

Total Capital Costs \$32,818

## Financing Comments

Due to the purchase of so many new vehicles in FY16; we are pushing vehicles back one FY.

CIE\_Designation ☐

# CIP Detail Project Report FY 2018 - FY 2022



CIP Fiscal Year Period FY 2018 - FY 2022

Fund: 001 Dept/Div: 2100

CIP #: CP-PD-13-CP Project #: Account #: 64-00 CIP Classification: Machinery & Equipment District: City

Project Name: Replacement Patrol Vehicle

FY Start 2019 Quarter Q4

Project Location: City of Cocoa

FY End 2019 Quarter Q1

## Project Description

Replace vehicle #287, patrol vehicle

## Project Justification

Enables the Police Department to sustain services to Citizens

## Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
\$33,818	\$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	\$0	\$0	\$0	\$0

## Recurring Annual Costs

Operating	\$700
Maintenance	\$675
Personal	\$0
Other Non-Capital	\$0
<b>Total Recurring Costs</b>	<b>\$1,375</b>

## Capital Costs and Proposed Financing by Fiscal Year

2018	\$0	\$0 this FY
2019	\$33,818	Reserves
2020	\$0	\$0 this FY
2021	\$0	\$0 this FY
2022	\$0	\$0 this FY

## Financing Comments

Due to the purchase of so many new vehicles in FY16; we are pushing vehicles back one FY.

Total Capital Costs \$33,818

CIE\_Designation ☐

# CIP Detail Project Report FY 2018 - FY 2022



CIP Fiscal Year Period FY 2018 - FY 2022

Fund: 001 Dept/Div: 2100

CIP #: CP-PD-13-V0 Project #: Account #: 64-00 CIP Classification: Machinery & Equipment District: City

Project Name: Replacement Patrol Vehicle FY Start 2020 Quarter Q4

Project Location: City of Cocoa FY End 2020 Quarter Q1

## Project Description

Replace vehicle #236, patrol vehicle

## Project Justification

Enables the Police Department to sustain services to citizens

## Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
\$33,818	\$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	\$0	\$0	\$0	\$0

## Recurring Annual Costs

Operating	\$700
Maintenance	\$675
Personal	\$0
Other Non-Capital	\$0

Total Recurring Costs \$1,375

## Capital Costs and Proposed Financing by Fiscal Year

2018	\$0	\$0 this FY
2019	\$0	\$0 this FY
2020	\$33,818	Reserves
2021	\$0	\$0 this FY
2022	\$0	\$0 this FY

Total Capital Costs \$33,818

## Financing Comments

Due to the purchase of so many new vehicles in FY16; we are pushing vehicles back one FY.

CIE\_Designation ☐

# CIP Detail Project Report FY 2018 - FY 2022



CIP Fiscal Year Period FY 2018 - FY 2022

Fund: 001 Dept/Div: 2100

CIP #: CP-PD-13-V2 Project #: Account #: 64-00 CIP Classification: Machinery & Equipment District: City

Project Name: Replacement Patrol Vehicle

FY Start 2020 Quarter Q4

Project Location: City of Cocoa

FY End 2020 Quarter Q1

## Project Description

Replace vehicle #299, patrol vehicle

## Project Justification

Enables the Police Department to sustain services to citizens

## Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
\$34,500	\$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	\$0	\$0	\$0	\$0

## Recurring Annual Costs

Operating	\$700
Maintenance	\$675
Personal	\$0
Other Non-Capital	\$0

Total Recurring Costs \$1,375

## Capital Costs and Proposed Financing by Fiscal Year

2018	\$0	\$0 this FY
2019	\$0	\$0 this FY
2020	\$34,500	Reserves
2021	\$0	\$0 this FY
2022	\$0	\$0 this FY

Total Capital Costs \$34,500

## Financing Comments

Due to the purchase of so many new vehicles in FY16; we are pushing vehicles back one FY.

CIE\_Designation ☐

# CIP Detail Project Report FY 2018 - FY 2022



CIP Fiscal Year Period FY 2018 - FY 2022

Fund: 001 Dept/Div: 2100

CIP #: CP-PD-13-V8 Project #: Account #: 64-00 CIP Classification: Machinery & Equipment District: City

Project Name: Replacement Patrol Vehicle FY Start 2020 Quarter Q4

Project Location: City of Cocoa FY End 2020 Quarter Q1

## Project Description

Replace vehicle #288, patrol vehicle

## Project Justification

Enables the Police Department to sustain services to citizens

## Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date	2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
\$34,500	\$0		\$0	\$0	\$0	\$0

## Recurring Annual Costs

Operating	\$700
Maintenance	\$675
Personal	\$0
Other Non-Capital	\$0

Total Recurring Costs \$1,375

## Capital Costs and Proposed Financing by Fiscal Year

2018	\$0	\$0 this FY
2019	\$0	\$0 this FY
2020	\$34,500	Reserves
2021	\$0	\$0 this FY
2022	\$0	\$0 this FY

Total Capital Costs \$34,500

## Financing Comments

Due to the purchase of so many new vehicles in FY16; we are pushing vehicles back one FY.

CIE\_Designation ☐

# CIP Detail Project Report FY 2018 - FY 2022



CIP Fiscal Year Period FY 2018 - FY 2022

Fund: 001 Dept/Div: 2100

CIP #: CP-PD-13-V9 Project #: Account #: 64-00 CIP Classification: Machinery & Equipment District: City

Project Name: Replacement Patrol Vehicle

FY Start 2020 Quarter Q4

Project Location: City of Cocoa

FY End 2020 Quarter Q1

## Project Description

Replace vehicle #228, patrol vehicle

## Project Justification

Enables the Police Department to sustain services to citizens

## Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
\$32,818	\$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	\$0	\$0	\$0	\$0

## Recurring Annual Costs

Operating	\$700
Maintenance	\$675
Personal	\$0
Other Non-Capital	\$0

Total Recurring Costs \$1,375

## Capital Costs and Proposed Financing by Fiscal Year

2018	\$0	\$0 this FY
2019	\$0	\$0 this FY
2020	\$32,818	Reserves
2021	\$0	\$0 this FY
2022	\$0	\$0 this FY

Total Capital Costs \$32,818

## Financing Comments

Due to the purchase of so many new vehicles in FY16; we are pushing vehicles back one FY.

CIE\_Designation ☐

# CIP Detail Project Report FY 2018 - FY 2022



CIP Fiscal Year Period FY 2018 - FY 2022

Fund: 001 Dept/Div: 2100

CIP #: CP-PD-13-VB Project #: Account #: 64-00 CIP Classification: Machinery & Equipment District: City

Project Name: Replacement Patrol Vehicle FY Start 2020 Quarter Q4

Project Location: City of Cocoa FY End 2020 Quarter Q1

## Project Description

Replace vehicle #297, patrol vehicle

## Project Justification

Enables the Police Department to sustain services to citizens

## Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
\$34,500	\$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	\$0	\$0	\$0	\$0

## Recurring Annual Costs

Operating	\$700
Maintenance	\$675
Personal	\$0
Other Non-Capital	\$0

Total Recurring Costs \$1,375

## Capital Costs and Proposed Financing by Fiscal Year

2018	\$0	\$0 this FY
2019	\$0	\$0 this FY
2020	\$34,500	Reserves
2021	\$0	\$0 this FY
2022	\$0	\$0 this FY

Total Capital Costs \$34,500

## Financing Comments

Due to the purchase of so many new vehicles in FY16; we are pushing vehicles back one FY.

CIE\_Designation ☐

# CIP Detail Project Report FY 2018 - FY 2022



CIP Fiscal Year Period FY 2018 - FY 2022

Fund: 001 Dept/Div: 2100

CIP #: CP-PD-13-VT Project #: Account #: 64-00 CIP Classification: Machinery & Equipment District: City

Project Name: Replacement Patrol Vehicle

FY Start 2021 Quarter Q4

Project Location: City of Cocoa

FY End 2021 Quarter Q1

## Project Description

Replace vehicle #206, patrol vehicle

## Project Justification

Enables the Police Department to sustain services to citizens

## Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
\$35,200	\$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	\$0	\$0	\$0	\$0

## Recurring Annual Costs

Operating	\$700
Maintenance	\$675
Personal	\$0
Other Non-Capital	\$0

Total Recurring Costs \$1,375

## Capital Costs and Proposed Financing by Fiscal Year

2018	\$0	\$0 this FY
2019	\$0	\$0 this FY
2020	\$0	\$0 this FY
2021	\$35,200	Reserves
2022	\$0	\$0 this FY

Total Capital Costs \$35,200

## Financing Comments

Due to the purchase of so many new vehicles in FY16; we are pushing vehicles back one FY.

CIE\_Designation ☐



# CIP Detail Project Report FY 2018 - FY 2022



CIP Fiscal Year Period FY 2018 - FY 2022

Fund: 001 Dept/Div: 2100

CIP #: CP-PD-14-V0 Project #: Account #: 64-00 CIP Classification: Machinery & Equipment District: City

Project Name: Replacement Patrol Vehicle FY Start 2021 Quarter Q4

Project Location: City of Cocoa FY End 2021 Quarter Q1

## Project Description

Replace vehicle # 257, patrol vehicle

## Project Justification

Enables the Police Department to sustain services to citizens

## Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
\$35,200	\$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	\$0	\$0	\$0	\$0

## Recurring Annual Costs

Operating	\$700
Maintenance	\$675
Personal	\$0
Other Non-Capital	\$0

Total Recurring Costs \$1,375

## Capital Costs and Proposed Financing by Fiscal Year

2018	\$0	\$0 this FY
2019	\$0	\$0 this FY
2020	\$0	\$0 this FY
2021	\$35,200	Reserves
2022	\$0	\$0 this FY

Total Capital Costs \$35,200

## Financing Comments

Due to purchasing so many vehicles in FY16 we are requesting that the purchase of this vehicle be moved back a year.

CIE\_Designation ☐

# CIP Detail Project Report FY 2018 - FY 2022



CIP Fiscal Year Period FY 2018 - FY 2022

Fund: 001 Dept/Div: 2100

CIP #: CP-PD-14-V9 Project #: Account #: 64-00 CIP Classification: Machinery & Equipment District: City

Project Name: Replacement Patrol Vehicle

FY Start 2021 Quarter Q4

Project Location: City of Cocoa

FY End 2021 Quarter Q1

## Project Description

Replace vehicle # 294, patrol vehicle

## Project Justification

Enables the Police Department to sustain services to citizens

## Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
\$35,200	\$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	\$0	\$0	\$0	\$0

## Recurring Annual Costs

Operating	\$700
Maintenance	\$675
Personal	\$0
Other Non-Capital	\$0

Total Recurring Costs \$1,375

## Capital Costs and Proposed Financing by Fiscal Year

2018	\$0	\$0 this FY
2019	\$0	\$0 this FY
2020	\$0	\$0 this FY
2021	\$35,200	Reserves
2022	\$0	\$0 this FY

Total Capital Costs \$35,200

## Financing Comments

Due to a large acquisition of vehicles in FY16 we are requesting that the purchase of this vehicle be moved back a FY.

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# CIP Detail Project Report FY 2018 - FY 2022



CIP Fiscal Year Period FY 2018 - FY 2022

Fund: 001 Dept/Div: 2100

CIP #: CP-PD-15-V3 Project #: Account #: 64-00 CIP Classification: Machinery & Equipment District: City

Project Name: Replacement Patrol Vehicle FY Start 2021 Quarter Q4

Project Location: City of Cocoa FY End 2021 Quarter Q1

## Project Description

Replace vehicle #230, patrol vehicle

## Project Justification

Enables the Police Department to sustain services to the citizens

## Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
\$35,200	\$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	\$0	\$0	\$0	\$0

## Recurring Annual Costs

Operating	\$700
Maintenance	\$675
Personal	\$0
Other Non-Capital	\$0

Total Recurring Costs \$1,375

## Capital Costs and Proposed Financing by Fiscal Year

2018	\$0	\$0 this FY
2019	\$0	\$0 this FY
2020	\$0	\$0 this FY
2021	\$35,200	Reserves
2022	\$0	\$0 this FY

Total Capital Costs \$35,200

## Financing Comments

Due to the large acquisition of vehicles in FY16 we are requesting that this purchase be moved back a FY.

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# CIP Detail Project Report FY 2018 - FY 2022



CIP Fiscal Year Period FY 2018 - FY 2022

Fund: 001 Dept/Div: 2100

CIP #: CP-PD-15-V4 Project #: Account #: 64-00 CIP Classification: Machinery & Equipment District: City

Project Name: Replacement Patrol Vehicle

FY Start 2022 Quarter Q4

Project Location: City of Cocoa

FY End 2022 Quarter Q1

## Project Description

Replace vehicle #252, patrol vehicle

## Project Justification

Enables the Police Department to sustain services to the citizens.

## Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
\$35,200	\$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	\$0	\$0	\$0	\$0

## Recurring Annual Costs

Operating	\$700
Maintenance	\$675
Personal	\$0
Other Non-Capital	\$0

Total Recurring Costs \$1,375

## Capital Costs and Proposed Financing by Fiscal Year

2018	\$0	\$0 this FY
2019	\$0	\$0 this FY
2020	\$0	\$0 this FY
2021	\$0	\$0 this FY
2022	\$35,200	Reserves

Total Capital Costs \$35,200

## Financing Comments

Due to the large acquisition of vehicles in FY16, we are requesting that this purchase be moved back a FY.

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# CIP Detail Project Report FY 2018 - FY 2022



CIP Fiscal Year Period FY 2018 - FY 2022

Fund: 001 Dept/Div: 2100

CIP #: CP-PD-15-V5 Project #: Account #: 64-00 CIP Classification: Machinery & Equipment District: City

Project Name: Replacement Patrol Vehicle FY Start 2022 Quarter Q4

Project Location: City of Cocoa FY End 2022 Quarter Q1

## Project Description

Replace vehicle #274, patrol vehicle

## Project Justification

Enables the Police Department to sustain services to the citizens

## Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date	2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
\$35,200	\$0		\$0	\$0	\$0	\$0

## Recurring Annual Costs

Operating	\$700
Maintenance	\$675
Personal	\$0
Other Non-Capital	\$0

Total Recurring Costs \$1,375

## Capital Costs and Proposed Financing by Fiscal Year

2018	\$0	\$0 this FY
2019	\$0	\$0 this FY
2020	\$0	\$0 this FY
2021	\$0	\$0 this FY
2022	\$35,200	Reserves

Total Capital Costs \$35,200

## Financing Comments

Due to the large acquisition of vehicles in FY16 we are requesting that this purchase be moved back a FY.

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# CIP Detail Project Report FY 2018 - FY 2022



CIP Fiscal Year Period FY 2018 - FY 2022

Fund: 001 Dept/Div: 2100

CIP #: CP-PD-16-V5 Project #: Account #: 64-00 CIP Classification: Machinery & Equipment District: City

Project Name: Replacement Patrol Vehicle

FY Start 2022 Quarter Q4

Project Location: City of Cocoa

FY End 2022 Quarter Q1

## Project Description

Replace vehicle #256, patrol vehicle

## Project Justification

Enables the Police Department to sustain services to the citizens

## Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
\$35,200	\$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	\$0	\$0	\$0	\$0

## Recurring Annual Costs

Operating	\$700
Maintenance	\$675
Personal	\$0
Other Non-Capital	\$0

Total Recurring Costs \$1,375

## Capital Costs and Proposed Financing by Fiscal Year

2018	\$0	\$0 this FY
2019	\$0	\$0 this FY
2020	\$0	\$0 this FY
2021	\$0	\$0 this FY
2022	\$35,200	Reserves

Total Capital Costs \$35,200

## Financing Comments

Due to the large acquisition of vehicles in FY 16 we are requesting that this purchase be moved back a FY.

CIE\_Designation ☐

# CIP Detail Project Report FY 2018 - FY 2022



CIP Fiscal Year Period FY 2018 - FY 2022

Fund: 001 Dept/Div: 2100

CIP #: CP-PD-16-V7 Project #: Account #: 64-00 CIP Classification: Machinery & Equipment District: City

Project Name: Replacement Patrol Vehicle FY Start 2022 Quarter Q4

Project Location: City of Cocoa FY End 2022 Quarter Q1

## Project Description

Replace vehicle #244, patrol vehicle

## Project Justification

Enables the Police Department to sustain services to the citizens

## Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date	2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
\$35,200	\$0		\$0	\$0	\$0	\$0

## Recurring Annual Costs

Operating	\$700
Maintenance	\$675
Personal	\$0
Other Non-Capital	\$0

Total Recurring Costs \$1,375

## Capital Costs and Proposed Financing by Fiscal Year

2018	\$0	\$0 this FY
2019	\$0	\$0 this FY
2020	\$0	\$0 this FY
2021	\$0	\$0 this FY
2022	\$35,200	Reserves

Total Capital Costs \$35,200

## Financing Comments

Due to the large acquisition of vehicles in FY16, we are requesting that this purchase be moved back a FY.

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# CIP Detail Project Report FY 2018 - FY 2022



CIP Fiscal Year Period FY 2018 - FY 2022

Fund: 001 Dept/Div: 2101

CIP #: CP-PD-18-R1 Project #: RC2014 Account #: 64-00 CIP Classification: Machinery & Equipment District: City

Project Name: P25 Radio Replacement

FY Start 2020 Quarter Q4

Project Location: City of Cocoa Police Department

FY End 2020 Quarter Q1

## Project Description

Project 25 Radio replacement

## Project Justification

This CIP is for radio replacement for the original 2014 portable radios that were purchased. The State of Florida recommends replacement of a portable radio every 6 years. We purchased 26 portables in 2014 and the quote is for 15 replacement radios.

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
\$105,542	\$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	\$0	\$0	\$0	\$0

## Recurring Annual Costs

Operating	\$0
Maintenance	\$1,800
Personal	\$0
Other Non-Capital	\$0
<b>Total Recurring Costs</b>	<b>\$1,800</b>

## Capital Costs and Proposed Financing by Fiscal Year

2018	\$0	\$0 this FY
2019	\$0	\$0 this FY
2020	\$0	\$0 this FY
2021	\$52,771	Revenue
2022	\$52,771	Revenue

## Financing Comments

Total Capital Costs \$105,542

CIE\_Designation ☐





4045 Pines Industrial Avenue  
Rockledge, FL 32955  
Voice: 321.636.9885 Fax: 321.636.7720

# QUOTATION

Page	1/2
Date	2/17/2017
Quote Number	QTE1700296

<b>Bill To</b> Cocoa Police Department Susan Austin 65 Stone St Cocoa, FL, 32922 USA	<b>Site</b> Cocoa Police Department 65 Stone Street Cocoa, FL, 32922 USA  <b>Contact</b> Voice: Fax:
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Site Number	Description	Salesperson	Reference
COC130MAIN	XG75P Portable	Grayson, Garin L.	Budgetary FY 2020

Description	Qty	Unit	Sale Price	Total
<b><u>XG75P Scan Portable Package</u></b>				
EVXGPB78B - Portable XG-75, 764-870 MHz, Scan, Black - The below zero dollar items are included in the package purchase.	15	Each	3,330.41	49,956.15
MAEVNPL3R - Feature, Maximum (1024+) Systems/Groups	15	Each	0.00	0.00
EVP25ED - FEATURE PACKAGE,P25 TRUNKING & EDACS	15	Each	0.00	0.00
EVPRO - Feature, Provoice	15	Each	0.00	0.00
EVXGNPL4F - Feature Package, P25 PHASE 2 TDMA	15	Each	0.00	0.00
MAEVNPL7G - Feature,ESK/P25 Personality Lock	15	Each	0.00	0.00
MAEVPKG8F - Feature, Encryption (includes 256-B AES Encryption for P25 T	15	Each	0.00	0.00
MAEVNPL5K - Feature, Profile OTAP Over the Air Programming	15	Each	0.00	0.00
EVPA3R - Battery,Li-Ion,2400mAH	15	Each	0.00	0.00
MAEVNNC5X - Antenna, 764-870 MHz, 1/4 Wave Whip (KRE10115062)	15	Each	0.00	0.00
MAEVNHC2G - Belt Clip, Standard (CC23894)	15	Each	0.00	0.00
FM014712 - Cover, UDC Weather Proof, P5300/P5400	15	Each	0.00	0.00
MAEVNCH9T - Charger, Single, Tri-Chemistry (CH104560 007)	15	Each	0.00	0.00



4045 Pines Industrial Avenue  
Rockledge, FL 32955  
Voice: 321.636.9885 Fax: 321.636.7720

**QUOTATION**

Page	2/2
Date	2/17/2017
Quote Number	QTE1700296

Description	Qty	Unit	Sale Price	Total
V210438 - Evolution Speaker Mic, Coil Cord, E-Button, 2.5mm,P5400/7300	15	Each	108.12	1,621.80
E110009 - EARPHONE KIT 2.5, R/A 30" COILED CORD	15	Each	40.32	604.80
Program, Portable Scan	15	Each	32.50	487.50
Shipping and Handling - Shipping and handling is based upon quantity ordered and subject to change. - Allow 8 - 10 weeks delivery after order. - BUDGETARY ONLY	1	Each	100.00	100.00
<b>Subtotal:</b>				52,770.25

Prices quoted are valid for ( 30 ) Days from Document Date.  
Orders may be subject to shipping & handling charges.  
All warranties are manufacture's warranties.

Plus Tax	0.00
Total Due (USD)	52,770.25

By signing this Quotation and/or submitting a purchase order pursuant to this Quotation you acknowledge that you have read and agree to be bound by  
Communications Int'l. Inc.'s Terms and Conditions of Sale Service and Technical Support.

Communications Control Centers (dispatch rooms) will be sized from actual floor plan drawings, showing all required consoles with chair space and all other required furniture and equipment. In the event this information is not available, there should be an allowance for a range of 100 to 120 square feet for each position. Allocation includes room for chair movement and access to the console electronics.

The Department recommends that new radio communications equipment or facilities be purchased with additional capacity and/or features in order to minimize obsolescence. With the universal utilization of computers, CRT consoles with modular furniture are recommended for their potential to save space and add to the overall efficiency of the dispatch environment.

#### **I. Communications Equipment Life Cycle**

Communications equipment should be in an environmental controlled facility unless the equipment is rated for outside operations.

### **3.0 RADIO EQUIPMENT REPLACEMENT POLICY**

The Department of Management Services (the Department) has established guidelines for the replacement of communications equipment. Specific situations that warrant equipment replacement (with proper maintenance) are listed below:

1. Equipment has reached the age listed below although it may not have been in continuous use:

<i>Type of Equipment</i>	<i>Age (Years)</i>
Mobile Radios	8
Portable Radios	6
Base and Control Station Radios	10
Transmitter combiners	10
Antennas and Transmission Lines	
Within 10 miles of bodies of salt water	10
Other locations	12
Antenna Towers	
Within 10 miles of bodies of salt water	15
Other locations	20
Antenna Tower Lighting Systems	10

<i>Type of Equipment</i>	<i>Age (Years)</i>
Control consoles	10
Logging Recorders	10
Instant Recall Recorders	6
Prefabricated Equipment Shelters	15
Standby Emergency Power Generators	
Within 10 miles of bodies of salt water	8
Other locations	12
Microwave Equipment	15

2. Based on an investigation by the Department or a written statement of need from an agency, the Department may recommend an earlier than normal replacement schedule in situations where equipment is damaged, abnormally worn, or technically obsolete.
3. The Department recognizes that adequate preventative maintenance programs will extend the usable life of equipment beyond the times schedules above and therefore encourages agencies to develop and implement such programs. In such cases longer replacement schedules will be considered.
4. For large systems, phased replacement schedules may be necessary for economic reasons. Thus, the Department will consider earlier replacement schedules for a portion of the system equipment such that the last equipment to be replaced will not be older than three years beyond the normal replacement schedule.

#### **4.0 RADIO FREQUENCY BUY OUT POLICY**

When an agency needs to implement a new radio system or to expand an existing one in certain situations, the shortage of available radio channels may preclude a straightforward implementation or expansion. In such cases, the most economical alternative may be the relocation of an existing radio user from one channel to another, in order to free up a channel for the agency planning to implement or expand. When feasible, The Department of Management Services will support such an arrangement and may recommend that the agency purchase new radio equipment for the user being relocated, in exchange for the user's current radio channels and radio equipment.

# CIP Detail Project Report FY 2018 - FY 2022



CIP Fiscal Year Period FY 2018 - FY 2022

Fund: 001 Dept/Div: 2201

CIP #: CP-FD-18-LP Project #: Account #: 64-00 CIP Classification: Machinery & Equipment District: City

Project Name: LifePak 15 V4 Monitor/Defibrillator

FY Start 2018 Quarter Q3

Project Location: Fire Department

FY End 2018 Quarter Q1

## Project Description

Purchase a LifePak 15 V4

## Project Justification

The purchase of the Life Pak 15 will give us a backup unit when one of our LifePaks units is down for repair. The only unit we have for a back up is past its useful life. We can also use the new unit for training paramedics as it matches the capabilities of our current units.

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
\$43,019	\$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	\$0	\$0	\$0	\$43,019

## Recurring Annual Costs

Operating	\$0
Maintenance	\$0
Personal	\$0
Other Non-Capital	\$0

Total Recurring Costs \$0

## Capital Costs and Proposed Financing by Fiscal Year

2018	\$43,019	Reserves
2019	\$0	\$0 this FY
2020	\$0	\$0 this FY
2021	\$0	\$0 this FY
2022	\$0	\$0 this FY

Total Capital Costs \$43,019

## Financing Comments

CIE\_Designation ☐



**Physio-Control, Inc**  
11811 Willows Road NE  
P.O. Box 97006  
Redmond, WA 98073-9706 U.S.A.  
www.physio-control.com  
tel 800.442.1142  
Sales Order fax 800.732.0956  
Service Plan fax 800.772.3340

To	CITY OF COCOA FD Attn: Brad Hall, District Chief 114 1ST ST COCOA,FL 32922 (321) 639-7605 <a href="mailto:bhall@cocoafl.org">bhall@cocoafl.org</a>	Quote Number	00070710
		Revision #	1
		Created Date	2/17/2017
		Sales Consultant	Susan Cote (407) 497-2636
		FOB	Destination
		Terms	All quotes subject to credit approval and the following terms and conditions
		NET Terms	NET 30
Contract	NASPO #SW300 v2	Expiration Date	5/18/2017

Product	Product Description	Quantity	List Price	Unit Discount	Unit Sales Price	Total Price
99577-001588	LIFEPAK 15 V4 Monitor/Defib, Adaptive Biphasic, Manual & AED, Color LCD, 100mm Printer, Noninvasive Pacing, Metronome, Trending, SpO2, NIBP, 12-Lead ECG, EtCO2, Carbon Monoxide, MetHemoglobin, Bluetooth INCLUDED AT NO CHARGE: 2 PAIR QUIK-COMBO ELECTRODES PER UNIT - 11996-000091, TEST LOAD - 21330-001365, IN-SERVICE DVD - 21330-001486 (one per order) , SERVICE MANUAL CD- 26500-003612 (one per order) and SHIP KIT (RC Cable) 41577-000288 INCLUDED. HARD PADDLES, BATTERIES AND CARRYING CASE NOT INCLUDED.	1.00	38,425.00	-5,424.91	33,000.09	33,000.09
11140-000015	AC power cord	1.00	81.00	-16.03	64.97	64.97
11140-000052	LP15 REDI-CHARGE Adapter Tray	1.00	206.00	-39.94	166.06	166.06
11141-000115	REDI-CHARGE Base (power cord not included)	1.00	1,520.00	-294.42	1,225.58	1,225.58
21330-001176	LP 15 Lithium-ion Battery 5.7 amp hrs	4.00	469.00	-99.58	369.42	1,477.68
11160-000013	NIBP CUFF-REUSEABLE,CHILD, BAYONET	1.00	24.00	-3.60	20.40	20.40
11160-000017	NIBP CUFF-REUSEABLE, LARGE ADULT, BAYONET	1.00	33.00	-4.95	28.05	28.05
11171-000046	M-LNCS DCI, Adult Reusable Sensor, 1/box	1.00	301.00	-45.15	255.85	255.85
11171-000049	Rainbow DCI Adt Reusable Sensor, 1/box	1.00	640.00	-98.55	541.45	541.45
11577-000002	LIFEPAK 15 Basic carry case w/ right & left pouches. INCLUDED AT NO CHARGE WHEN ORDERED WITH DEVICE: 11577-000001 Shoulder Strap	1.00	320.00	-57.18	262.82	262.82
11220-000028	Carry case top pouch for use w/LIFEPAK 12 or LIFEPAK 15	1.00	57.00	-10.59	46.41	46.41
11260-000039	LIFEPAK 15 Carry case back pouch	1.00	82.00	-14.68	67.32	67.32
LP15-OSCOMP-4-POS	LIFEPAK 15 Service - 4 YEAR. On-site Comprehensive Coverage. Annual Payments.	1.00	6,896.00	-1,034.40	5,861.60	5,861.60

Subtotal	USD 43,018.28
Estimated Tax	USD 0.00
Estimated Shipping & Handling	USD 0.00

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Grand Total	USD 43,018.28
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**Pricing Summary Totals**

List Price Total	USD 50,461.00
Total Contract Discounts Amount	USD -7,442.72
Total Discount	USD 0.00
Trade In Discounts	USD 0.00
Tax + S&H	USD 0.00

**GRAND TOTAL FOR THIS QUOTE**

USD 43,018.28

PHYSIO-CONTROL, INC. REQUIRES WRITTEN VERIFICATION OF THIS ORDER. A PURCHASE ORDER IS REQUIRED ON ALL ORDERS \$5,000 OR GREATER BEFORE APPLICABLE FREIGHT AND TAXES. THE UNDERSIGNED IS AUTHORIZED TO ACCEPT THIS ORDER IN ACCORDANCE WITH THE TERMS AND PRICES DENOTED HEREIN.

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CUSTOMER APPROVAL (AUTHORIZED SIGNATURE)

---

NAME

---

TITLE

---

DATE

Reference Number SC/14366702/125499

**General Terms for all Products, Services and Subscriptions.**

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**Limited Warranty.** Physio warrants its products and services in accordance with the terms of the limited warranties located at <http://www.physio-control.com/Documents/>. The remedies provided under such warranties shall be Buyer's sole and exclusive remedies. Physio makes no other warranties, express or implied, including, without limitation, **NO WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, AND IN NO EVENT SHALL PHYSIO BE LIABLE FOR INCIDENTAL, CONSEQUENTIAL, SPECIAL OR OTHER DAMAGES.**

**Compliance with Confidentiality Laws.** Both parties acknowledge their respective obligations to maintain the security and confidentiality of individually identifiable health information and agree to comply with applicable federal and state health information confidentiality laws.

**Compliance with Law.** The parties agree to comply with any and all laws, rules, regulations, licensing requirements or standards that are now or hereafter promulgated by any local, state, and federal governmental authority/agency or accrediting/administrative body that governs or applies to their respective duties and obligations hereunder.

**Regulatory Requirement for Access to Information.** In the event 42 USC § 1395x(v)(1)(I) is applicable, Physio shall make available to the Secretary of the United States Department of Health and Human Services, the Comptroller General of the United States General Accounting Office, or any of their duly authorized representatives, a copy of these terms, such books, documents and records as are necessary to certify the nature and extent of the costs of the products and services provided by Physio.

**No Debarment.** Physio represents and warrants that it and its directors, officers, and employees (i) are not excluded, debarred, or otherwise ineligible to participate in the Federal health care programs as defined in 42 USC § 1320a-7b(f); (ii) have not been convicted of a criminal offense related to the provision of health care items or services; and (iii) are not under investigation which may result in Physio being excluded from participation in such programs.

**Choice of Law.** The rights and obligations of Physio and Buyer related to the purchase and sale of products and services described in this document shall be governed by the laws of the state where Buyer is located. All costs and expenses incurred by the prevailing party related to enforcement of its rights under this document, including reasonable attorney's fees, shall be reimbursed by the other party.

**Additional Terms for Purchase and Sale of Products.**

In addition to the General Terms above, the following terms apply to all purchases of products from Physio:

**Delivery.** Unless otherwise specified by Physio in writing, delivery shall be FOB Physio point of shipment and title and risk of loss shall pass to Buyer at that point. Partial deliveries may be made and partial invoices shall be permitted and shall become due in accordance with the payment terms. In the absence of shipping instructions from Buyer, Physio will obtain transportation on Buyer's behalf and for Buyer's account. Delivery dates are approximate. Freight is pre-paid and added to Buyer's invoice. Products are subject to availability.

**Inspections and Returns.** Within 30 days of receipt of a shipment, Buyer shall notify Physio of any claim for product damage or nonconformity. Physio, at its sole option and discretion, may repair or replace a product to bring it into conformity. Return of any product shall be governed by the Returned Product Policy located at <http://www.physio-control.com/Documents/>. Payment of Physio's invoice is not contingent on immediate correction of nonconformities.

**No Resale.** Buyer agrees that products purchased hereunder will not be resold to third parties and will not be reshipped to any persons or places prohibited by the laws of the United States of America.

**Additional Terms for Purchase and Sale of Service Plans.**

In addition to the General Terms above, the following terms apply to all Physio Service Plans.

**Service Plans.** Physio shall provide services according to the applicable Service Plan purchased by Buyer and described at <http://www.physio-control.com/ServicePrograms.aspx> for the length of the subscription purchased and for the devices specified as covered by the Service Plan ("Covered Equipment").

**Pricing.** If the number or configuration of Covered Equipment changes during the Service Plan subscription, pricing shall be prorated accordingly. For Preventative Maintenance, Inspection Only, Comprehensive, and Repair & Inspect Service Plans, Buyer is responsible to pay for preventative maintenance and inspections that have been performed since the last anniversary of the subscription start date and such services shall not be pro-rated.

**Device Inspection Before Acceptance.** All devices that are not covered under Physio's Limited Warranty or a current Service Plan must be inspected and repaired (if necessary) to meet specifications at then-current list prices prior to being covered under a Service Plan.

**Unavailability of Covered Equipment.** If Covered Equipment is not made available at a scheduled service visit, Buyer is responsible to reschedule with the Physio Service Technician, or ship-in the Equipment to a Physio service depot. Physio reserves the right to charge Buyer a surcharge for a return visit. Surcharges will be based on then-current Physio list price of desired services, less 10% for labor and 15% for parts, plus applicable travel costs. The return visit surcharge will be in addition to the subscription price of the Service Plan. To avoid the surcharge, Buyer may ship devices to a Physio service depot. Buyer shall be responsible for round-trip freight for ship-in service.

**Unscheduled or Uncovered Services.** If Buyer requests services to be performed on Covered Equipment which are not covered by a Service Plan, or are outside of designated Services frequency or hours, Physio-Control will charge Buyer for such services at 10% off Physio-Control's standard rates (including overtime, if appropriate) and applicable travel charges. Repair parts required for such repairs will be made available at 15% off the then-current list price.

**Loaners.** If Covered Equipment must be removed from service to complete repairs, Physio will provide Buyer with a loaner device, if one is available. Buyer assumes complete responsibility for the loaner and shall return the loaner to Physio in the same condition as received, normal wear and tear exempted, upon the earlier of the return of the removed Covered Equipment or Physio's request.

**Cancellation.** Buyer may cancel a Service Plan upon sixty (60) days' written notice to Physio. In the event of such cancellation, Buyer shall be responsible for the portion of the designated price which corresponds to the portion of the Service Plan subscription prior to the effective date of termination and the list-price cost of any preventative maintenance, inspections, or repairs rendered after the last anniversary date of the subscription start date.

**No Solicitation.** During the Service Plan subscription and for one (1) year following its expiration Buyer agrees to not to actively and intentionally solicit anyone who is employed by Physio to provide services such as those described in the Service Plan.





When you respond to emergencies, you need the most advanced monitor/defibrillator that sets the standard in innovation, operations and toughness.



## The LIFEPAK 15 monitor/defibrillator delivers.

Physio-Control defibrillators have set the standard for six decades, and the latest version of the LIFEPAK® 15 monitor/defibrillator raises the bar. As our most advanced emergency response monitor/defibrillator, the LIFEPAK 15 device balances sophisticated clinical technologies and supreme ease of use in a device that's tough enough to stand up to your most challenging environments. Evolving from its original platform, the 15 features temperature monitoring and external power to complement 360J of energy and 12-lead ECG transmission capability. And that means your team can be even more effective.

A LIFEPAK device never stands on its own—and the LIFEPAK 15 monitor is no different. Physio-Control is committed to providing innovative solutions for emergency response care, from first responders to throughout the hospital.

*Our products have helped save tens of thousands of lives. We're proud to continue this work with the features in the LIFEPAK 15 monitor/defibrillator.*

## The standard in clinical innovation.

The pioneer in portable defibrillation and monitoring technology, Physio-Control is committed to creating technologies and devices that change the way you provide emergency care. You can see the results in the latest version of the LIFEPAK 15 monitor/defibrillator, which sets the standard in innovation—yet again.





### Advanced monitoring parameters

With more monitoring capabilities than any other monitor/defibrillator, the 15 gives you EtCO<sub>2</sub> with continuous waveform capture. Masimo® Rainbow® technology helps you detect hard-to-diagnose



conditions and improve patient care with noninvasive monitoring of carbon monoxide, SpO<sub>2</sub> and methemoglobin. In addition, the 15 offers temperature monitoring—and like other data, you can transmit it to other systems, trend it, or display for post-event review in CODE-STAT™ data review software.

### Advanced support for treating cardiac patients

The 15 continuously monitors all 12 leads in the background and alerts you to changes using the ST-Segment trend monitoring feature, after acquiring the initial 12-lead. Additionally, STJ values are included on the 12-lead printout to help you identify changes. The 15 also works seamlessly with the web-based LIFEPAK System 5.0, so you can automatically share critical patient data with multiple patient care teams.

### Full energy up to 360 joules, for every patient who needs it

The LIFEPAK 15 monitor/defibrillator features 360J biphasic technology, which gives you the option of escalating your energy dose up to 360J for difficult-to-defibrillate patients. Why is this necessary? Recent studies have shown that refrillation is common among VF cardiac arrest patients and that defibrillation of recurring episodes of VF is increasingly difficult. A randomized controlled clinical trial shows the rate of VF termination was higher with an escalating higher energy regimen of 200J and over.<sup>1</sup>

### Proven CPR guidance and post event review

The CPR Metronome in the LIFEPAK 15 monitor uses audible prompts to guide you without distracting vocal critique. A metronome has been a feature that has been demonstrated to help professionals perform compressions and ventilations within the recommended range of the 2015 AHA Guidelines. Post-event review of CPR data and delivering feedback to the team has been shown to be effective in improving CPR quality in both hospital and out-of-hospital.<sup>2,3,4</sup> And by transmitting code data directly to CODE-STAT Data Review software, EMS personnel can review CPR statistics and provide training and feedback where it is most needed.

Post-event review of CPR data and delivering feedback to the team has been shown to be effective in improving CPR quality in both hospital and out-of-hospital.<sup>2,3,4</sup>



# LIFEPAK 15 MONITOR/DEFIBRILLATOR





Fiscal Year 2018



# The standard in operational effectiveness.

Flexible, connected and easy to use, the LIFEPAK 15 monitor/defibrillator was designed based on the feedback and needs specific to working in the field.

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## Dual-mode LCD screen with SunVue™ display

Switch from full-color to high-contrast SunVue mode with a single touch for the best full-glare view in the industry. A large screen (8.4 inches diagonally) and full-color display provide maximum viewability from all angles.

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## Flexible power options

Choose between external worldwide AC or DC power, or use the latest Lithium-ion dual battery technology for up to six hours of power. The LIFEPAK 15 monitor's two-battery system requires no maintenance or conditioning, and allows you to charge batteries in the device. In addition, you can track the status and service life of your batteries using LIFENET® Asset, part of the LIFENET System data network.

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## Data connectivity

The 15 collects code summaries and equipment status data along with critical clinical information as you treat patients. Using LIFENET Connect, part of the LIFENET System data network, the code summaries can be sent directly to your quality improvement team for review with CODE-STAT Data Review Software. Your equipment manager can also view equipment status on the LIFENET System 5.0 using LIFENET Asset and alert you to any potential issues.

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## Upgradable platform

The 15 platform is flexible enough to adapt to evolving protocols and new guidelines, and can be upgraded as you're ready to deliver new capabilities. With more processing power and speed, the 15 is designed to grow as your needs change, helping you avoid costly premature replacements.

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## Attention to detail

The LIFEPAK 15 monitor is designed based on field feedback to make it a more effective tool. The 15 has a larger handle for easier handoffs, an easy to clean keypad, and a common interface to the LIFEPAK 12 defibrillator/monitor that helps reduce training.

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Code summaries can be sent directly to your quality improvement team for review with CODE-STAT Data Review Software.



# The standard in toughness.

We believe LIFEPAK equipment should live up to the highest expectations of those working in the harshest settings. The 15 is LIFEPAK TOUGH, with improved ruggedness and durability you can rely on.

## Works when dropped, kicked, soaked or dirty

The LIFEPAK 15 monitor/defibrillator passes 30-inch drop tests, which is equal to falling off a cot or dropping it in transit. And with an IP44 rating, it doesn't matter how wet or dirty it gets, so you can keep working in steady wind, rain and other harsh environments.

## Toughened inside and out

We heard from emergency response teams that they wanted a tougher device—so we added a shock-absorbing handle, a double-layer screen that can take a beating from doorknobs and cot handles, and redesigned cable connections for confident monitoring and therapy delivery.

## Unmatched field service

The unit's self-checking feature alerts our service team if the device needs attention. Our on site maintenance and repair, access to original manufacturer parts, and highly trained, experienced service representatives give you the peace of mind that your LIFEPAK 15 monitor will be ready when you need it.\*



Data connectivity



LIFEPAK TOUGH™



Dual-mode LCD screen with SunVue display

\* A variety of customized service options are available.  
Fiscal Year 2018

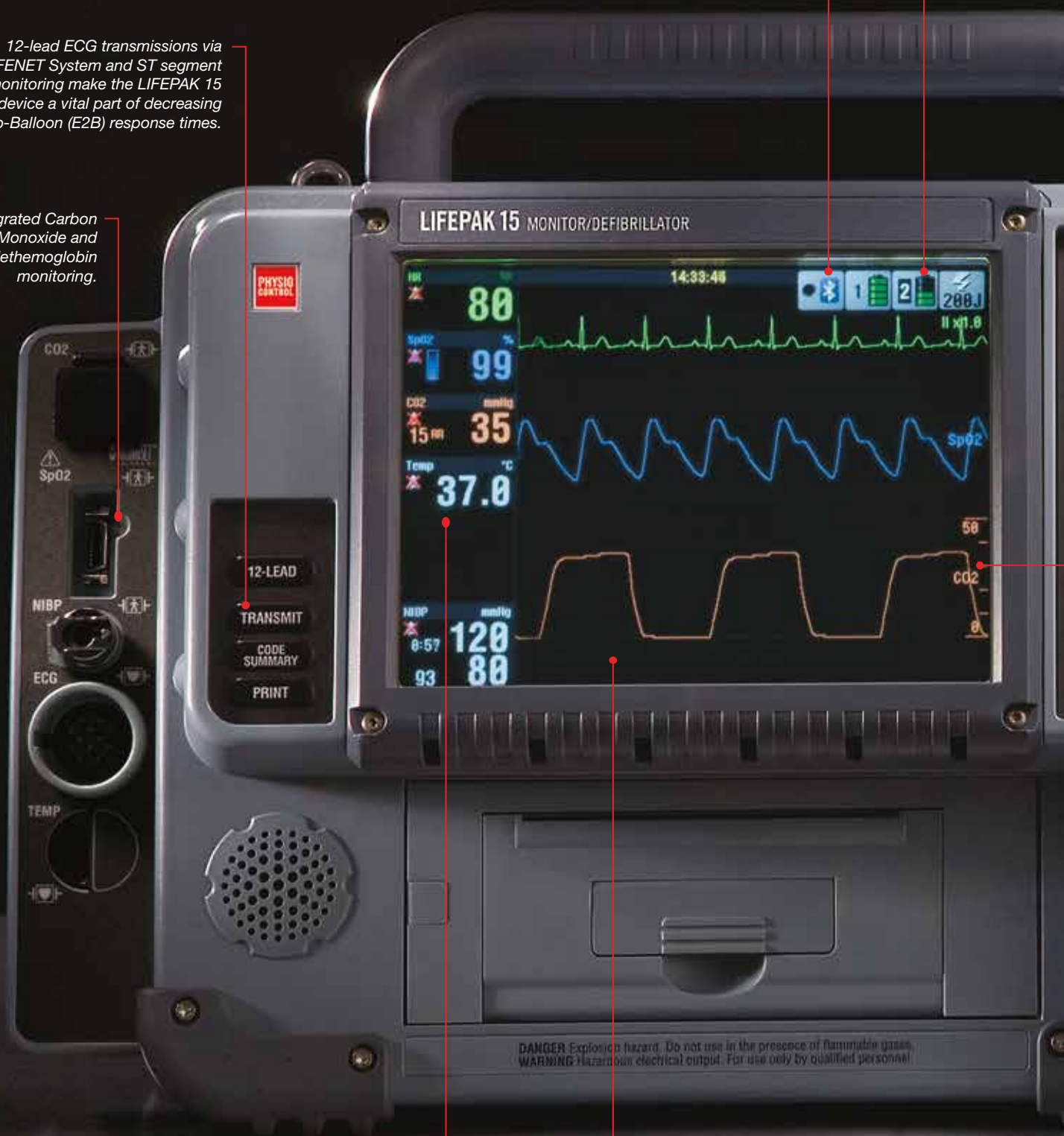
## LIFEPAK<sup>15</sup> MONITOR/DEFIBRILLATOR

The latest Lithium-ion battery technology and dual battery system allows for nearly six hour run time, automatic switching between external power and batteries, and an approximate two-year replacement cycle.

Easy one-touch Bluetooth® data transmission.

12-lead ECG transmissions via the LIFENET System and ST segment trend monitoring make the LIFEPAK 15 device a vital part of decreasing EMS-to-Balloon (E2B) response times.

Integrated Carbon Monoxide and Methemoglobin monitoring.



On-screen temperature display in either Celsius or Fahrenheit.

Large screen for better visibility and easy monitoring and one touch to switch from LCD color view to SunVue mode for best viewing in sunlight.

Ergonomically designed handle has built-in shock absorbers for cushion and fits two gloved hands for easy pass off.

CPR Metronome, a proven technology that actively guides users to a consistent compression rate without the need for extra external hardware.

Integrated Oridion EtCO<sub>2</sub> provides waveform ranges as low as 0–20 mmHg to help identify ROSC or gauge CPR quality, consistent with the AHA guidelines.

Redesigned cable connector gives you the confidence for secure therapy delivery.

## The LIFEPAK 15 monitor/defibrillator at a glance.



For six decades, Physio-Control has been developing technologies and designing devices that are legendary among first response professionals, clinical care providers, and the community.



## A legacy of trust.

Since we were founded in 1955, Physio-Control has been giving medical professionals around the world legendary quality and constant innovation. Our LIFEPAK devices have been carried to the top of Mount Everest. They've been launched into orbit on the International Space Station. And you'll find more than half a million units in use today on fire rescue rigs, ambulances, and hospital crash carts worldwide.

We are inspired and informed by the rescuers who choose our products to save lives. The knowledge gained from working with some of the world's largest EMS organizations helps us constantly improve clinical standards and durability.

Today, we continue our legacy of innovation with leading technologies that improve patient care. Our 360J biphasic technology gives patients the best chance at survival. Our secure, web-based flow of ECG data helps improve STEMI patient outcomes. And our carbon monoxide monitoring helps catch the number one cause of poisoning deaths.

From the streets to the emergency room to the administrative office, we offer a powerful suite of solutions that range from code response to quality control analysis. And even as we bring ground-breaking products to the market, some things don't change. As always, when you choose our products, you don't just get a device. You also get the most comprehensive warranty in the business, industry-leading technical service, and a partner with six decades of experience in emergency care.

*For more information about the LIFEPAK 15 monitor/defibrillator—and how it can help you do what you do best—please contact your local Physio-Control representative or visit **[www.physio-control.com](http://www.physio-control.com)**.*

# Physio-Control Family of Products and Services

## Defibrillators/Monitors

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### **LIFEPAK CR® Plus Automated External Defibrillator (AED)**

Featuring the same advanced technology trusted by emergency medical professionals—yet simple to use—the fully automatic LIFEPAK CR Plus AED is designed specifically for the first person to respond to a victim of sudden cardiac arrest (SCA).



### **LIFEPAK® 1000 Defibrillator**

The LIFEPAK 1000 Defibrillator is a powerful and compact device designed to treat cardiac arrest patients and provide continuous cardiac monitoring capabilities. Built-in flexibility allows the 1000 to be programmed for use by first responders or professionals and enables care providers to change protocols as standards of care evolve.



### **LIFEPAK® 15 Monitor/Defibrillator**

The LIFEPAK 15 monitor/defibrillator is the standard in emergency care for ALS teams who want the most clinically innovative, operationally effective and LIFEPAK TOUGH™ device available today. The 15 offers sophisticated clinical technologies with a rich array of features—like the most powerful escalating energy available (up to 360J), advanced monitoring parameters and a completely upgradable platform.



### **LIFEPAK® 20e Defibrillator/Monitor with CodeManagement Module™**

Clinically advanced and packed with power, the LIFEPAK 20e defibrillator/monitor is highly intuitive for first responders, and also skillfully combines AED function with manual capability so that ACLS-trained clinicians can quickly and easily deliver advanced therapeutic care. The CodeManagement Module adds waveform capnography and wireless connectivity to enhance your hospital's ability to effectively manage resuscitations from preparedness through review.

## CPR Assistance

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### **LUCAS® 2 Chest Compression System**

Designed to provide effective, consistent and uninterrupted compressions according to AHA Guidelines, LUCAS can be used on adult patients in out-of-hospital and hospital settings.



### **TrueCPR™ Coaching Device**

TrueCPR helps your team optimize their manual CPR performance using simple real-time and post-event feedback on the most critical resuscitation parameters. It accurately measures compression depth through proprietary Triaxial Field Induction technology.

## Data Solutions

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### LIFENET® System

The LIFENET System provides EMS and hospital care teams with reliable, quick access to clinical information through a secure, web-based platform, helping to improve patient care, flow and operational efficiency.

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### CODE-STAT™ Data Review Software

CODE-STAT data review software is a retrospective analysis tool that provides easy access to data, reports and post-event review.

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### HealthEMS®

HealthEMS is a remote-hosted field data collection, management and reporting software solution which is proven to help Fire and EMS providers improve patient care and financial performance. HealthEMS creates a two-way information flow which dramatically improves the accuracy and timeliness of information needed to support billing and clinical decision-making.

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### PulsePoint

PulsePoint Respond alerts CPR-trained bystanders about nearby sudden cardiac arrests in a public area. The app guides the responder to the public location of the incident using a map while also identifying nearby AEDs. Because the PulsePoint solution is integrated into the local dispatch center, alerts are only sent after 911 has been notified.

PulsePoint AED is an app designed to build a comprehensive registry of AEDs available for use during cardiac emergencies. AED submissions are verified by the local agency and then become available within the Respond app.

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## Support

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### Physio-Control Service

With a service plan from Physio-Control, you are free to focus on your mission while relying on us to help to ensure the integrity of your lifesaving tools. From emergency repairs to software updates to preventive maintenance, we respond to every service call with speed and expertise so you have the peace of mind to do your job with confidence.

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## LIFEPAK 15 MONITOR/DEFIBRILLATOR







## SPECIFICATIONS

### GENERAL

**The LIFEPAK 15 monitor/defibrillator has six main operating modes:**

**AED Mode:** for automated ECG analysis and a prompted treatment protocol for patients in cardiac arrest.

**Manual Mode:** for performing manual defibrillation, synchronized cardioversion, noninvasive pacing, and ECG and vital sign monitoring.

**Archive Mode:** for accessing stored patient information.

**Setup Mode:** for changing default settings of the operating functions.

**Service Mode:** for authorized personnel to perform diagnostic tests and calibrations.

**Demo Mode:** for simulated waveforms and trend graphs for demonstration purposes.

### PHYSICAL CHARACTERISTICS

#### Weight:

Basic monitor/defibrillator with new roll paper and two batteries installed: 7.9 kg (17.5 lb)

Fully featured monitor/defibrillator with new roll paper and two batteries installed: 8.4 kg (18.5 lb)

**Lithium-ion battery:** ≤0.6kg (1.3lb)

**Accessory Bags and Shoulder Strap:** 1.77 kg (3.9 lb)

**Standard (hard) Paddles:** 0.95 kg (2.1 lb)

**Height:** 31.7 cm (12.5 in)

**Width:** 40.1 cm (15.8 in)

**Depth:** 23.1 cm (9.1 in)

### DISPLAY

**Size (active viewing area):** 212 mm (8.4 in) diagonal; 171 mm (6.7 in) wide x 128 mm (5.0 in) high

**Resolution:** display type 640 dot x 480 dot color backlit LCD

**User Selectable Display Mode:** full color or SunVue™ display high contrast

**Display:** a minimum of 5 seconds of ECG and alphanumerics for values, device instructions, or prompts

**Display:** up to three waveforms

**Waveform Display Sweep Speed:** 25 mm/sec for ECG, SpO<sub>2</sub>, IP, and 12.5 mm/sec for CO<sub>2</sub>

### DATA MANAGEMENT

The device captures and stores patient data, events (including waveforms and annotations), and continuous waveform and patient impedance records in internal memory.

The user can select and print reports, and transfer the stored information via supported communication methods.

#### Report Types:

- Three format types of CODE SUMMARY™ critical event record: short, medium, and long
- 12-lead ECG with STEMI statements
- Continuous Waveform (transfer only)
- Trend Summary
- Vital Sign Summary
- Snapshot

**Memory Capacity:** Total capacity is 360 minutes of continuous ECG, 90 minutes of continuous data from all channels, or 400 single waveform events.

Maximum memory capacity for a single patient includes up to 200 single waveform reports and 90 minutes of continuous ECG.

### COMMUNICATIONS

The device is capable of transferring data records by wired or wireless connection. This device complies with Part 15 of the FCC rules, and its operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Serial Port RS232 communication + 12V available

Limited to devices drawing maximum 0.5 A current

Bluetooth® technology provides short-range wireless communication with other Bluetooth-enabled devices

### MONITOR

#### ECG

**ECG is monitored via several cable arrangements:**

A 3-wire cable is used for 3-lead ECG monitoring.

A 5-wire cable is used for 7-lead ECG monitoring.

A 10-wire cable is used for 12-lead ECG acquisition. When the chest electrodes are removed, the 10-wire cable functions as a 4-wire cable.

Standard paddles or QUIK-COMBO pacing/defibrillation/ECG electrodes are used for paddles lead monitoring.

#### Frequency Response:

Monitor: 0.5 to 40 Hz or 1 to 30 Hz

Paddles: 2.5 to 30 Hz

12-lead ECG diagnostic: 0.05 to 150 Hz

#### Lead Selection:

Leads I, II, III, (3-wire ECG cable)

Leads I, II, III, AVR, AVL, and AVF acquired simultaneously (4-wire ECG cable)

Leads I, II, III, AVR, AVL, AVF, and C lead acquired simultaneously (5-wire ECG cable)

Leads I, II, III, AVR, AVL, AVF, V1,V2,V3,V4,V5, and V6 acquired simultaneously (10-wire ECG cable)

**ECG size:** 4, 3, 2.5, 2, 1.5, 1, 0.5, 0.25 cm/mV (fixed at 1 cm/mV for 12-lead)

#### Heart Rate Display:

20–300 bpm digital display

Accuracy: ±4% or ±3 bpm, whichever is greater

QRS Detection Range Duration: 40 to 120 msec

Amplitude: 0.5 to 5.0 m

**Common Mode Rejection (CMRR):** ECG Leads: 90 dB at 50/60 Hz

#### SpO<sub>2</sub>/SpCO/SpMet

##### Sensors:

MASIMO® sensors including RAINBOW® sensors

NELLCOR® sensors when used with the MASIMO RED™ MNC adapter

#### SpO<sub>2</sub>

**Displayed Saturation Range:** “<50” for levels below 50%; 50 to 100%

**Saturation Accuracy:** 70–100% (0–69% unspecified)

##### Adults/Pediatrics:

±2 digits (during no motion conditions)

±3 digits (during motion conditions)

Dynamic signal strength bar graph

Pulse tone as SpO<sub>2</sub> pulsations are detected

**SpO<sub>2</sub> Update Averaging Rate User selectable:** 4, 8, 12 or 16 seconds

**SpO<sub>2</sub> Sensitivity User selectable:** Normal, High

**SpO<sub>2</sub> Measurement:** Functional SpO<sub>2</sub> values are displayed and stored

**Pulse Rate Range:** 25 to 240 bpm

##### Pulse Rate Accuracy (Adults/Pediatrics):

±3 digits (during no motion conditions)

±5 digits (during motion conditions)

Optional SpO<sub>2</sub> waveform display with autogain control

#### SpCO\*

**SpCO Concentration Display Range:** 0 to 40%

**SpCO Accuracy:** ±3 digits

#### SpMET\*

**SpMet Saturation Range:** 0 to 15.0%

**SpMet Display Resolution:** 0.1% up to 10%

**SpMet Accuracy:** ±1 digit

#### NIBP

**Blood Pressure Systolic Pressure Range:** 30 to 255 mmHg

**Diastolic Pressure Range:** 15 to 220 mmHg

**Mean Arterial Pressure Range:** 20 to 235 mmHg

**Units:** mmHg

**Blood Pressure Accuracy:** ±5 mmHg

**Blood Pressure Measurement Time:** 20 seconds, typical (excluding cuff inflation time)

**Pulse Rate Range:** 30 to 240 pulses per minute

**Pulse Rate Accuracy:** ±2 pulses per minute or ±2%, whichever is greater

**Operation Features Initial Cuff Pressure:** User selectable, 80 to 180 mmHg

**Automatic Measurement Time Interval:** User selectable, from 2 min to 60 min

**Automatic Cuff Deflation Excessive Pressure:** If cuff pressure exceeds 290 mmHg

**Excessive Time:** If measurement time exceeds 120 seconds

#### CO<sub>2</sub>

**CO<sub>2</sub> Range:** 0 to 99 mmHg (0 to 13.2 kPa)

**Units:** mmHg, %, or kPa

##### Respiration Rate Accuracy:

0 to 70 bpm: ±1 bpm

71 to 99 bpm: ±2 bpm

**Respiration Rate Range:** 0 to 99 breaths/minute

**Rise Time:** 190 msec

**Response Time:** 3.3 seconds (includes delay time and rise time)

**Initialization Time:** 30 seconds (typical), 10–180 seconds

**Ambient Pressure:** automatically compensated internally

**Optional Display:** CO<sub>2</sub> pressure waveform

Scale factors: Autoscale, 0–20 mmHg (0–4 Vol%), 0–50 mmHg (0–7 Vol%), 0–100 mmHg (0–14 Vol%)

#### Invasive Pressure

**Transducer Type:** Strain-gauge resistive bridge

**Transducer Sensitivity:** 5µV/V/mmHg

**Excitation Voltage:** 5 Vdc

**Connector:** Electro Shield: CXS 3102A 14S-6S

**Bandwidth:** Digital filtered, DC to 30 Hz (< -3db)

**Zero Drift:** 1 mmHg/hr without transducer drift

**Zero Adjustment:** ±150 mmHg including transducer offset

**Numeric Accuracy:** ±1 mmHg or 2% of reading, whichever is greater, plus transducer error

**Pressure Range:** -30 to 300 mmHg, in six user selectable ranges

#### Invasive Pressure Display

**Display:** IP waveform and numerics

**Units:** mmHg

**Labels:** P1 or P2, ART, PA, CVP, ICP, LAP (user selectable)

#### Temperature

**Range:** 24.8° to 45.2°C (76.6° to 113.4°F)

**Resolution:** 0.1°C

**Accuracy:** ±0.2°C including sensor

**Reusable Temperature Cable:** 5 foot or 10 foot

**Disposable Sensor Types:** Surface–Skin; Esophageal/Rectal



**Trend**

**Time Scale:** Auto, 30 minutes, 1, 2, 4, or 8 hours

**Duration:** Up to 8 hours

**ST Segment:** After initial 12-lead ECG analysis, automatically selects and trends ECG lead with the greatest ST displacement

**Display Choice of:** HR, PR (SpO<sub>2</sub>), PR (NIBP), SpO<sub>2</sub> (%), SpCO (%), SpMet (%), CO<sub>2</sub> (EtCO<sub>2</sub>/FiCO<sub>2</sub>), RR (CO<sub>2</sub>), NIBP, IP1, IP2, ST

**ALARMS**

**Quick Set:** Activates alarms for all active vital signs

**VF/VT Alarm:** Activates continuous (CPSS) monitoring in Manual mode

**Apnea Alarm:** Occurs when 30 seconds has elapsed since last detected respiration

**Heart Rate Alarm Limit Range:** Upper, 100–250 bpm; lower, 30–150 bpm

**INTERPRETIVE ALGORITHM**

**12-Lead Interpretive Algorithm:** University of Glasgow 12-Lead ECG Analysis Program, includes AMI and STEMI statements

**PRINTER**

**Prints continuous strip of the displayed patient information and reports**

**Paper Size:** 100 mm (3.9 in)

**Print Speed:** 25 mm/sec or 12.5 mm/sec

Optional: 50 mm/sec time base for 12-lead ECG reports

**Delay:** 8 seconds

**Autoprint:** Waveform events print automatically

**Frequency Response:**

Diagnostic: 0.05 to 150 Hz or 0.05 to 40 Hz

Monitor: 0.67 to 40 Hz or 1 to 30 Hz

**DEFIBRILLATOR**

**Biphasic Waveform:** Biphasic Truncated Exponential

**The following specifications apply from 25 to 200 ohms, unless otherwise specified:**

**Energy Accuracy:** ±1 joule or 10% of setting, whichever is greater, into 50 ohms, ±2 joules or 15% of setting, whichever is greater, into 25–175 ohms.

**Voltage Compensation:** Active when disposable therapy electrodes are attached. Energy output within ±5% or ±1 joule, whichever is greater, of 50 ohms value, limited to the available energy which results in the delivery of 360 joules into 50 ohms.

**Paddle Options:** QUIK-COMBO\* pacing/defibrillation/ECG electrodes (standard). Cable Length 8 foot long (2.4 m) QUIK-COMBO cable (not including electrode assembly).

Standard paddles (optional)

**Manual Mode**

**Energy Select:** 2, 3, 4, 5, 6, 7, 8, 9, 10, 15, 20, 30, 50, 70, 100, 125, 150, 175, 200, 225, 250, 275, 300, 325, and 360 joules

**Charge Time:** Charge time to 360 joules in less than 10 seconds, typical

**Synchronous Cardioversion:** Energy transfer begins within 60 msec of the QRS peak

**Paddles Leads OFF Sensing:** When using QUIK-COMBO electrodes, the device indicates Paddles Leads OFF if the resistive part of the patient impedance is greater than 300 ±15% ohms, or if the magnitude of the patient impedance is greater than 440 ±15% ohms.

**AED Mode**

**Shock Advisory System™ (SAS):** an ECG analysis system that advises the operator if the algorithm detects a shockable or non-shockable ECG rhythm. SAS acquires ECG via therapy electrodes only.

**Shock Ready Time:** Using a fully charged battery at normal room temperature, the device is ready to shock within 20 seconds if the initial rhythm finding is "SHOCK ADVISED"

**Biphasic Output:** Energy Shock levels ranging from 150–360 joules with same or greater energy level for each successive shock

**cprMAX™ Technology:** In AED mode, cprMAX™ technology provides a method of maximizing the CPR time that a patient receives, with the overall goal of improving the rate of survival of patients treated with AEDs.

**Setup Options:**

– Auto Analyze: Allows for auto analysis. Options are OFF, AFTER 1ST SHOCK

– Initial CPR: Allows the user to be prompted for CPR for a period of time prior to other activity. Options are OFF, ANALYZE FIRST, CPR FIRST

– Initial CPR Time: Time interval for Initial CPR. Options are 15, 30, 45, 60, 90, 120, and 180 seconds.

– Pre-Shock CPR: Allows the user to be prompted for CPR while the device is charging. Options are OFF, 15, 30 seconds.

– Pulse Check: Allows the user to be prompted for a pulse check at various times. Options are ALWAYS, AFTER EVERY SECOND NSA, AFTER EVERY NSA, NEVER

– Stacked Shocks: Allows for CPR after 3 consecutive shocks or after a single shock. Options are OFF, ON

– CPR Time: 1 or 2 User selectable times for CPR. Options are 15, 30, 45, 60, 90, 120, 180 seconds and 30 minutes.

**PACER**

**Pacing Mode:** Demand or non-demand rate and current defaults

**Pacing Rate:** 40 to 170 PPM

**Rate Accuracy:** ±1.5% over entire range

**Output Waveform:** Monophasic, truncated exponential current pulse (20 ± 1 ms)

**Output Current:** 0 to 200 mA

**Pause:** Pacing pulse frequency reduced by a factor of 4 when activated

**Refractory Period:** 180 to 280 msec (function of rate)

**ENVIRONMENTAL**

**Unit meets functional requirements during exposure to the following environments unless otherwise stated.**

**Operating Temperature:** 0° to 45°C (32° to 113°F); -20°C (-4°F) for 1 hour after storage at room temperature; 60°C (140°F) for 1 hour after storage at room temperature

**Storage Temperature:** -20° to 65°C (-4° to 149°F) except therapy electrodes and batteries

**Relative Humidity, Operating:** 5 to 95%, non-condensing. NIBP: 15 to 95%, non-condensing

**Relative Humidity, Storage:** 10 to 95%, non-condensing

**Atmospheric Pressure, Operating:** -382 to 4,572 m (-1,253 to 15,000 ft). NIBP: -152 to 3,048 m (-500 to 10,000 ft)

**Water Resistance, Operating:** IP44 (dust and splash resistance) per IEC 529 and EN 1789 (without accessories except for 12-lead ECG cable, hard paddles, and battery pack)

**Vibration:** MIL-STD-810E Method 514.4, Propeller Aircraft - category 4 (figure 514.4-7 spectrum a), Helicopter - category 6 (3.75 Grms), Ground Mobile - category 8 (3.14 Grms), EN 1789: Sinusoidal Sweep, 1 octave/min, 10–150 Hz, ±0.15 mm/2 g

**Shock (drop):** 5 drops on each side from 18 inches onto a steel surface EN 1789: 30-inch drop onto each of 6 surfaces

**Shock (functional):** Meets IEC 60068-2-27 and MIL-STD-810E shock requirements 3 shocks per face at 40 g, 6 ms half-sine pulses

**Bump:** 1000 bumps at 15 g with pulse duration of 6 msec

**Impact, Non-operating:** EN 60601-1 0.5 + 0.05 joule impact UL 60601-1 6.78 Nm impact with 2-inch diameter steel ball. Meets IEC62262 protection level IK 04.

**EMC:** EN 60601-1-2:2006 Medical Equipment -General Requirements for Safety - Collateral Standard: Electromagnetic Compatibility - Requirements and Tests EN 60601-2-4:2003: (Clause 36) Particular Requirements for the Safety of Cardiac Defibrillators and Cardiac Defibrillator-Monitors

**Cleaning:** Cleaning 20 times with the following: Quaternary ammonium, isopropyl alcohol, hydrogen peroxide

**Chemical Resistance:** 60 hour exposure to specified chemicals: Betadine (10% Povidone-Iodine solution), Coffee, Cola, Dextrose (5% Glucose solution), Electrode Gel/Paste (98% water, 2% Carbopol 940), HCL (0.5% solution, pH=1), Isopropyl Alcohol, NaCl solution (0.9% solution), Cosmetic discoloration of the paddle well shorting bar shall be allowed following exposure to HCL (0.5% solution).

**POWER**

**Power Adapters:** AC or DC

Power Adapters provide operation and battery charging from external AC or DC power

– Full functionality with or without batteries when connected to external AC/DC

– Typical battery charge time while installed in LIFEPAK 15 device is 190 minutes

– Indicators: external power indicator, battery charging indicator

**Dual battery:** Capability with automatic switching

**Low battery indication and message:** Low battery fuel gauge indication and low battery message in status area for each battery

**Replace battery indication and message:** Replace battery fuel gauge indication, audio tones and replace battery message in the status area for each battery. When replace battery is indicated, device auto-switches to second battery. When both batteries reach replace battery condition, a voice prompt instructs user to replace battery.

**Battery Capacity** For two, new fully-charged batteries, 20°C (68°F)

Operating Mode		Monitoring (minutes)	Pacing (minutes)	Defibrillation (360J discharges)
Total Capacity to Shutdown	Typical	360	340	420
	Minimum	340	320	400
Capacity After Low Battery	Typical	21	20	30
	Minimum	12	10	6

**BATTERY**

**Battery Specifications**

**Battery Type:** Lithium-ion

**Weight:** ≤0.6kg (1.3lb)

**Charge Time (with fully depleted battery):** 4 hours and 15 minutes (typical)

**Battery indicators:** Each battery has a fuel gauge that indicates its approximate charge. A fuel gauge that shows two or fewer LEDs after a charge cycle indicates that the battery should be replaced.

**Charging Temperature Range:** 5° to 45°C (41° to 113°F)

**Operating Temperature Range:** 0° to 45°C (32° to 113°F)

**Short Term (<1 week) Storage Temperature Range:** -20° to 60°C (-4° to 140°F)

**Long Term (>1 week) Storage Temperature Range:** 20° to 25°C (68° to 77°F)

**Operating and Storage Humidity Range:** 5 to 95% relative humidity, non-condensing

## REFERENCES

- 1 Stiell I, Walker R, Nesbitt L, et al. Biphasic Trial: A randomized comparison of fixed lower versus escalating higher energy levels for defibrillation in out-of-hospital cardiac arrest. *Circulation*. 2007;115:1511-1517.
- 2 Edelson D, Litzinger B, Arora V, et al. Improving in-hospital cardiac arrest process and outcomes with performance debriefing. *Arch Intern Med*. 2008;168:1063-1069.
- 3 Olasveengen T, Wik L, Kramer-Johansen J, et al. Is CPR quality improving? A retrospective study of out-of-hospital cardiac arrest. *Resuscitation*. 2007;75:260-266.
- 4 Fletcher D, Galloway R, Chamberlain D, et al. Basics in advanced life support: A role for download audit and metronome. *Resuscitation*. 2008;78:127-134.

All claims valid as of December 2014.

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GDR 3301019\_F

# CIP Detail Project Report FY 2018 - FY 2022



CIP Fiscal Year Period FY 2018 - FY 2022

Fund: 001 Dept/Div: 2201

CIP #: CP-FD-17-BA Project #: Account #: 64-00 CIP Classification: Machinery & Equipment District: City

Project Name: Replace 27 Self-Contained Breathing Apparatus (SCBA) 45 Masks and 72 air cylinders FY Start 2019 Quarter Q4

Project Location: Fire Department FY End 2019 Quarter Q1

## Project Description

Replaced 27 SCBA Units, 45 masks and 72 air cylinders

## Project Justification

The current SCBA units were purchased in 2009 under the 2007 NFPA standard for SCBA. NFPA Standards are revised every three years. In 2019 the current SCBA units will be 10 years old and there will have been four NFPA standard revisions that usually deal with safety and technology improvements. The maintenance costs increase substantially with age with SCBA. The technology improvements since 2009 have already allowed costs to come down with the Heads Up Display by over 50%.

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date	2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
\$236,816	\$0		\$0	\$0	\$0	\$0

## Recurring Annual Costs

Operating	\$0
Maintenance	\$0
Personal	\$0
Other Non-Capital	\$0

Total Recurring Costs \$0

## Capital Costs and Proposed Financing by Fiscal Year

2018	\$0	\$0 this FY
2019	\$0	\$0 this FY
2020	\$236,816	Reserves
2021	\$0	\$0 this FY
2022	\$0	\$0 this FY

Total Capital Costs \$236,816

## Financing Comments

Possible Grant Funding

CIE\_Designation ☐

# CIP Detail Project Report FY 2018 - FY 2022



CIP Fiscal Year Period FY 2018 - FY 2022

Fund: 001 Dept/Div: 2201

CIP #: CP-FD-17-EP Project #: Account #: 64-00 CIP Classification: Machinery & Equipment District: City

Project Name: Replace E30 a 2006 Pierce Enforcer pumper

FY Start 2021 Quarter Q4

Project Location: Fire Department

FY End 2021 Quarter Q1

## Project Description

Replace E30 2006 Pierce Enforcer Pumper Vin# 4P1CEO1A96A005715

## Project Justification

The pumper is 11 years old and has high operating hours from serving as a front line unit for 10 years and is now a reserve unit. In FY21 this unit will be 15 years old and should be considered for replacement. It will take approximately 12 months to have the replacement pumper built from the order date.

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
\$526,179	\$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	\$0	\$0	\$0	\$0

## Recurring Annual Costs

Operating	\$2,000
Maintenance	\$1,000
Personal	\$0
Other Non-Capital	\$0
<b>Total Recurring Costs</b>	<b>\$3,000</b>

## Capital Costs and Proposed Financing by Fiscal Year

2018	\$0	\$0 this FY
2019	\$0	\$0 this FY
2020	\$0	\$0 this FY
2021	\$526,179	Reserves
2022	\$0	\$0 this FY

## Financing Comments

Total Capital Costs \$526,179

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# CIP Detail Project Report FY 2018 - FY 2022



CIP Fiscal Year Period FY 2018 - FY 2022

Fund: 001 Dept/Div: 2201

CIP #: CP-FD-17-PE Project #: Account #: 64-00 CIP Classification: Machinery & Equipment District: City

Project Name: Replace E31 a 2002 Pierce Enforcer Pumper

FY Start 2019 Quarter Q4

Project Location: Fire Department

FY End 2019 Quarter Q1

## Project Description

Replace E31 2002 Pierce Enforcer Pumper Vin# 4P1CT02A62A002365

## Project Justification

The pumper is 15 years old and has high operating hours from serving as a front line unit for 13 years and is now a reserve unit. In FY18 this unit will be 16 years old and should be considered for replacement. It will take approximately 12 months to have the replacement pumper built from the order date.

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
\$497,277	\$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	\$0	\$0	\$0	\$0

## Recurring Annual Costs

Operating	\$2,000
Maintenance	\$1,000
Personal	\$0
Other Non-Capital	\$0
<b>Total Recurring Costs</b>	<b>\$3,000</b>

## Capital Costs and Proposed Financing by Fiscal Year

2018	\$0	\$0 this FY
2019	\$497,277	Reserves
2020	\$0	\$0 this FY
2021	\$0	\$0 this FY
2022	\$0	\$0 this FY

## Financing Comments

Total Capital Costs \$497,277

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# CIP Detail Project Report FY 2018 - FY 2022



CIP Fiscal Year Period FY 2018 - FY 2022

Fund: 001 Dept/Div: 3200

CIP #: CP-CS-17-ES Project #: Account #: 68-10 CIP Classification: Software District: City

Project Name: Electronic Plan Review - Software FY Start 2020 Quarter Q4

Project Location: City Hall FY End 2020 Quarter Q1

## Project Description

Installation of electronic plan review software \$42,700 and Base Plan Check and Review Business Process \$10,000. Annual operating cost for access first year (3% yearly increase) \$36,543.24, Building Permit EPR Interface \$1,154.28, ASP Hosting Services \$15,024.00. 2nd year total operating \$54,673.97. 3rd year \$56,314.19. 4th year 58,003.62. 5th year \$59,743.72.

## Project Justification

Allows for the electronic transmission and review of site plans and building plans for the Community Services Department. This is currently being evaluated with ERP study underway.

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date	2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
\$52,720	\$0		\$0	\$0	\$0	\$0

## Recurring Annual Costs

Operating	\$53,082
Maintenance	\$0
Personal	\$0
Other Non-Capital	\$0

Total Recurring Costs \$53,082

## Capital Costs and Proposed Financing by Fiscal Year

2018	\$0	\$0 this FY
2019	\$0	\$0 this FY
2020	\$52,720	Revenue
2021	\$0	\$0 this FY
2022	\$0	\$0 this FY

Total Capital Costs \$52,720

## Financing Comments

General Fund

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# CIP Detail Project Report FY 2018 - FY 2022



CIP Fiscal Year Period FY 2018 - FY 2022

Fund: 001 Dept/Div: 3510

CIP #: CP-PW-18-SM Project #: Account #: 63-00 CIP Classification: Infrastructure District: City

Project Name: Annual Sidewalk Maintenance/Replacement Program

FY Start 2018 Quarter Q4

Project Location: City Wide

FY End 2022 Quarter Q1

## Project Description

Annual maintenance and repair of sub-standard, deteriorated and broken sidewalks. This funding will allow for the installation of approximately 25000square feet (1 mile - 5 feet wide) of replacement and new sidewalks on a 50% - 50% split

## Project Justification

Sidewalks routinely become non-functional through aging, settling,cracking,tree root damage and vehicle damage. By repairing and replacing sidewalks it reduces the liability to the city

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
\$250,000	\$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	\$0	\$0	\$50,000	\$0

## Recurring Annual Costs

Operating	\$0
Maintenance	\$0
Personal	\$0
Other Non-Capital	\$0
<b>Total Recurring Costs</b>	<b>\$0</b>

## Capital Costs and Proposed Financing by Fiscal Year

2018	\$50,000	Revenue
2019	\$50,000	Other Source
2020	\$50,000	Other Source
2021	\$50,000	Other Source
2022	\$50,000	Other Source
<b>Total Capital Costs</b>	<b>\$250,000</b>	

## Financing Comments

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# CIP Detail Project Report FY 2018 - FY 2022



CIP Fiscal Year Period FY 2018 - FY 2022

Fund: 001 Dept/Div: 3510

CIP #: CP-PW-11-PP Project #: PW08SP Account #: 63-00 CIP Classification: Infrastructure District: City

Project Name: Annual Street Paving Program

FY Start 2018 Quarter Q4

Project Location: City Wide

FY End 2022 Quarter Q1

## Project Description

Annual milling and paving of city streets, boulevards and parking lots

## Project Justification

The City has approximately 79.1 center line miles of roads and various municipal parking lots. An average of 3 to 4 miles per year will allow the City to maintain roadway surfaces, excluding parking lots, at a minimum level. When streets are repaved, all sidewalks must be equipped with ADA compliant ramps. This will add approximately 10% to paving costs

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
\$1,500,000	\$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	\$0	\$0	\$300,000	\$0

## Recurring Annual Costs

Operating	\$0
Maintenance	\$0
Personal	\$0
Other Non-Capital	\$0
<b>Total Recurring Costs</b>	<b>\$0</b>

## Capital Costs and Proposed Financing by Fiscal Year

2018	\$300,000	Revenue
2019	\$300,000	Revenue
2020	\$300,000	Revenue
2021	\$300,000	Revenue
2022	\$300,000	Revenue

Total Capital Costs \$1,500,000

## Financing Comments

CIE\_Designation ☐

# CIP Detail Project Report FY 2018 - FY 2022



CIP Fiscal Year Period FY 2018 - FY 2022

Fund: 001 Dept/Div: 3510

CIP #: CP-PW-15-BM Project #: Account #: 63-00 CIP Classification: Infrastructure District: D2

Project Name: Broadview Manor Street Lighting FY Start 2018 Quarter Q4

Project Location: Broadview Manor FY End 2018 Quarter Q1

## Project Description

Replace decorative street lighting in Broadview Manor. 28 lights and 60 Quazite Boxes

## Project Justification

The decorative street lighting at Broadview Manor has been in place 30+ years. Many of the bases are corroded and parts are becoming unavailable. Old light bases have been found to be insufficient, so new concrete bases, pull boxes and replacement of missing poles will be needed.

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date	2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
\$120,000	\$0		\$0	\$0	\$0	\$0

## Recurring Annual Costs

Operating	\$0
Maintenance	\$0
Personal	\$0
Other Non-Capital	\$0

Total Recurring Costs \$0

## Capital Costs and Proposed Financing by Fiscal Year

2018	\$0	\$0 this FY
2019	\$120,000	Other Source
2020	\$0	\$0 this FY
2021	\$0	\$0 this FY
2022	\$0	\$0 this FY

Total Capital Costs \$120,000

## Financing Comments

Funding by Special Assessment.

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# CIP Detail Project Report FY 2018 - FY 2022



CIP Fiscal Year Period FY 2018 - FY 2022

Fund: 001 Dept/Div: 3510

CIP #: CP-PW-17-FS Project #: PW17SI Account #: 63-00 CIP Classification: Infrastructure District: D1

Project Name: Fiske Blvd Complete Streets Roadway, and Sidewalk Improvements Phase 3 (General Fund) FY Start 2018 Quarter Q4

Project Location: Fiske Blvd FY End 2018 Quarter Q1

## Project Description

Construct drainage and sidewalks, replace water main, reconstruct roadway and provide landscaping from Highland Ave to Peachtree Street

## Project Justification

Fiske Blvd from Highland Ave to Peachtree St has poor surface drainage, sub-standard sidewalks and the roadway is in poor condition. These improvements will improve drainage and create a safer environment for citizens

## Strategic Connection: Operational

Sidewalks, enhanced lighting and improved drainage provides a safe environment

Total Cost of Project	Total Cost to Date	2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
\$1,750,000	\$0		\$0	\$0	\$1,750,000	\$0

## Recurring Annual Costs

Operating	\$0
Maintenance	\$0
Personal	\$0
Other Non-Capital	\$0

Total Recurring Costs \$0

## Capital Costs and Proposed Financing by Fiscal Year

2018	\$1,750,000	Combination
2019	\$0	\$0 this FY
2020	\$0	\$0 this FY
2021	\$0	\$0 this FY
2022	\$0	\$0 this FY

Total Capital Costs \$1,750,000

## Financing Comments

Possible funding through the SCTPO and FDOT  
1,750,000 funded by General funds  
140,000 funded by Stormwater

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# CIP Detail Project Report FY 2018 - FY 2022



CIP Fiscal Year Period FY 2018 - FY 2022

Fund: 001 Dept/Div: 3510

CIP #: CP-PW-17-PS Project #: Account #: 63-00 CIP Classification: Infrastructure District: D2

Project Name: Pineda Street Roadway and Sidwalk Reconstruction FY Start 2019 Quarter Q4

Project Location: Pineda Street from Peachtree St to Dixon Blvd FY End 2019 Quarter Q1

## Project Description

Full depth reclamation of Pineda Street including mixing of existing pavement and base, injecting the material with emulsifier, compacting and grading and adding an asphalt overlay and striping. Also repairing existing sidewalk and constructing ADA compliant handicap ramps where needed

## Project Justification

Pineda Street is a heavily traveled street used by all types of vehicle traffic including school busses. The roadway has deteriorated to the point that the base is failing. The sidewalks are in poor condition and many of the existing handi-cap ramps do not comply with ADA standards

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
\$675,000	\$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	\$0	\$0	\$0	\$0

## Recurring Annual Costs

Operating	\$0
Maintenance	\$0
Personal	\$0
Other Non-Capital	\$0
<b>Total Recurring Costs</b>	<b>\$0</b>

## Capital Costs and Proposed Financing by Fiscal Year

2018	\$0	\$0 this FY
2019	\$675,000	Combination
2020	\$0	\$0 this FY
2021	\$0	\$0 this FY
2022	\$0	\$0 this FY

Total Capital Costs \$675,000

## Financing Comments

Possible split with County & School Board Safe routes to school Grant Funding.

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# CIP Detail Project Report FY 2018 - FY 2022



CIP Fiscal Year Period FY 2018 - FY 2022

Fund: 001 Dept/Div: 3510

CIP #: CP-PW-18-SI Project #: Account #: 63-00 CIP Classification: Infrastructure District: D1

Project Name: SR 520 Interim Safety Improvements FY Start 2018 Quarter Q4

Project Location: SR 520 from US 1 to the Indian River Bridges FY End 2018 Quarter Q1

## Project Description

Traffic Calming for SR 520 Corridor through Cocoa Village

## Project Justification

Traffic Calming for SR 520 through Cocoa Village

## Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date	2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
\$100,000	\$0		\$0	\$0	\$100,000	\$0

## Recurring Annual Costs

Operating	\$0
Maintenance	\$0
Personal	\$0
Other Non-Capital	\$0

Total Recurring Costs \$0

## Capital Costs and Proposed Financing by Fiscal Year

2018	\$100,000	Reserves
2019	\$0	\$0 this FY
2020	\$0	\$0 this FY
2021	\$0	\$0 this FY
2022	\$0	\$0 this FY

Total Capital Costs \$100,000

## Financing Comments

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# CIP Detail Project Report FY 2018 - FY 2022



CIP Fiscal Year Period FY 2018 - FY 2022

Fund: 001 Dept/Div: 3510

CIP #: CP-PW-18-SB Project #: Account #: 64-00 CIP Classification: Machinery & Equipment District: City

Project Name: Steel bench replacement program FY Start 2018 Quarter Q4

Project Location: City Wide FY End 2020 Quarter Q1

## Project Description

Over the next 3 fiscal years the city is in need of replacing the collection of benches in the City. Appox. 120 8 foot Benches through-out the Downtown and Citywide

## Project Justification

the current benches and old and weathered

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
\$192,000	\$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	\$0	\$0	\$0	\$0

## Recurring Annual Costs

Operating	\$0
Maintenance	\$0
Personal	\$0
Other Non-Capital	\$0
<b>Total Recurring Costs</b>	<b>\$0</b>

## Capital Costs and Proposed Financing by Fiscal Year

2018	\$0	\$0 this FY
2019	\$48,000	Revenue
2020	\$48,000	Revenue
2021	\$48,000	Revenue
2022	\$48,000	Revenue

## Financing Comments

Appox 40 benches per year

Total Capital Costs \$192,000

CIE\_Designation ☐

# CIP Detail Project Report FY 2018 - FY 2022



CIP Fiscal Year Period FY 2018 - FY 2022

Fund: 001 Dept/Div: 3510

CIP #: CP-CD-11-SS Project #: CD1205 Account #: 63-00 CIP Classification: Infrastructure District: D1

Project Name: Stone Street Corridor Streetscaping (General Funds portion)

FY Start 2018 Quarter Q1

Project Location: Fiske Boulevard to the western side of the F.E.C. Railroad.

FY End 2019 Quarter Q2

## Project Description

Streetscaping of Stone Street Commercial Corridor. Design and Engineering in FY 2017 and construction could begin in Q4 of FY 2017.

## Project Justification

The Diamond Square CRA intends to redevelop this culturally significant commercial corridor.

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
\$641,104	\$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	\$0	\$0	\$580,552	\$0

## Recurring Annual Costs

Operating	\$0
Maintenance	\$0
Personal	\$0
Other Non-Capital	\$0

Total Recurring Costs \$0

## Capital Costs and Proposed Financing by Fiscal Year

2018	\$580,552	Combination
2019	\$60,552	Combination
2020	\$0	\$0 this FY
2021	\$0	\$0 this FY
2022	\$0	\$0 this FY

Total Capital Costs \$641,104

## Financing Comments

A combination of TIF and other funding sources will be used for this project. This project is split between the General Fund, Utility Fund and Stormwater Fund.

CIE\_Designation ☐



# CIP Detail Project Report FY 2018 - FY 2022



CIP Fiscal Year Period FY 2018 - FY 2022

Fund: 001 Dept/Div: 3540

CIP #: CP-PW-18-FB Project #: 3540-001 Account #: 68-10 CIP Classification: Software District: City

Project Name: FLEET FASTER ASSET UPGRADE TO FASTER WEB FY Start 2018 Quarter Q4

Project Location: Cocoa Fleet FY End 2018 Quarter Q1

## Project Description

This is a full software upgrade a full database migration from FASTER WIN to FASTER WEB. This is Faster Asset Solutions upgrade to it latest FLEET MANAGEMENT SOFTWARE SOLUTION. This is Cocoa Fleet next tool for a ever growing Fleet. The system uses our current database and all the data that has been collected over the past 14 years.

## Project Justification

Cocoa Fleet has been using Faster Asset Solutions since 2004 this was Fasters client based windows solution the system is 14 years old. The new software architecture is WEB giving greater functionality, greater software integration with a host of other enterprise software solutions with KPI functionality. This is the next tool Cocoa Fleet Management software needs FASTER Web, is the most powerful and technologically advanced fleet management system on the market. While other vendors offer web-enabled solutions that were developed with early stage web technologies, FASTER Web was developed based on current platforms from the ground up for a true web experience that offers better load times, better search capability and a true user experience that does not rely on endless scrolling or screen jumping.

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date	2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
\$20,000	\$0		\$0	\$0	\$0	\$0

## Recurring Annual Costs

Operating	\$13,500
Maintenance	\$0
Personal	\$0
Other Non-Capital	\$0

Total Recurring Costs \$13,500

## Capital Costs and Proposed Financing by Fiscal Year

2018	\$0	\$0 this FY
2019	\$20,000	Combination
2020	\$0	\$0 this FY
2021	\$0	\$0 this FY
2022	\$0	\$0 this FY

Total Capital Costs \$20,000

## Financing Comments

This would be a 50/50 split between general and enterprise funds. Fleet service vehicle and equipment in all three funds

CIE\_Designation ☐

# CIP Detail Project Report FY 2018 - FY 2022



CIP Fiscal Year Period FY 2018 - FY 2022

Fund: 001 Dept/Div: 3540

CIP #: CP-PW-18-FW Project #: 3540-001 Account #: 52-00 CIP Classification: Operating District: City

Project Name: FLEET FASTER ASSET UPGRADE TO FASTER WEB

FY Start 2018 Quarter Q4

Project Location: Cocoa Fleet

FY End 2018 Quarter Q1

## Project Description

This is a full software upgrade a full database migration from FASTER WIN to FASTER WEB. This is Faster Asset Solutions upgrade to it latest FLEET MANAGEMENT SOFTWARE SOLUTION. This is Cocoa Fleet next tool for a ever growing Fleet. The system uses our current database and all the data that has been collected over the past 14 years.

## Project Justification

Cocoa Fleet has been using Faster Asset Solutions since 2004 this was Fasters client based windows solution the system is 14 years old. The new software architecture is WEB giving greater functionality, greater software integration with a host of other enterprise software solutions with KPI functionality. This is the next tool Cocoa Fleet Management software needs FASTER Web, is the most powerful and technologically advanced fleet management system on the market. While other vendors offer web-enabled solutions that were developed with early stage web technologies, FASTER Web was developed based on current platforms from the ground up for a true web experience that offers better load times, better search capability and a true user experience that does not rely on endless scrolling or screen jumping.

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date	2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
\$26,725	\$0		\$0	\$0	\$0	\$0

## Recurring Annual Costs

Operating	\$13,500
Maintenance	\$0
Personal	\$0
Other Non-Capital	\$0

Total Recurring Costs \$13,500

## Capital Costs and Proposed Financing by Fiscal Year

2018	\$0	\$0 this FY
2019	\$26,725	Combination
2020	\$0	\$0 this FY
2021	\$0	\$0 this FY
2022	\$0	\$0 this FY

Total Capital Costs \$26,725

## Financing Comments

This would be a 50/50 split between general and enterprise funds. Fleet service vehicle and equipment in all three funds

CIE\_Designation ☐



## Statement of Work (SOW), Pricing, & Payment Terms

### FASTER Asset Solutions

100% Employee-Owned

**Created For:**

City of Cocoa

**Date:**

March 27, 2017

**Senior Software Consultant:**

Steve Specht

**Pricing in this proposal is valid for 60 days.**

Qty Description		Cost
<b>FMIS Core COTS System</b>		
400	<p>001 – Software Cost: Standard Active Assets:</p> <p>This price includes up to quantity listed standard active assets (which are defined as originally valued at \$5000 or greater and active). Each additional asset will be \$100.00.</p> <p>This includes one instance of the FASTER Web Application with one database.</p>	\$40,000
1	<p>050 – Unlimited Named Accounts:</p> <p>Unlimited user access (named accounts) included.</p>	Included
<b>Add-ons</b>		
1	<p>207nc – Dashboard Add-on: (See Offsetting Discount Below)</p> <p>Provides 20 standard metrics that monitor fleet industry performance measures. The dashboards have powerful configuration capability to enable effective display of data. They are also drillable in that you can click and drill into the data presented by the dashboard. And the Dashboards are role-based so that you can empower users based on their roles.</p>	\$10,000
1	<p>208 – Barcoding Software:</p> <p>Barcoding Software for One Storeroom (allows for Label Scanning and Printing). Hardware is not included.</p>	\$6,000

1	<p>301 - Single Vendor Fuel Import (New Vendor or New File) - Existing Customer:</p> <p>This is a single vendor fuel import for an existing customer who has been live on a FASTER product for more than 6 months. This pricing is for either:</p> <ol style="list-style-type: none"> <li>1. To import a new fuel vendor fuel transaction file.</li> <li>2. Or, to import a new fuel file from your existing vendor.</li> </ol> <p>The Fuel Import (FI) is a COTS add-on. It is a robust yet inexpensive way to import data from a Fuel System Vendor (FSV). It requires significant configuration and testing by FASTER. Below are important items the customer will need to provide for FASTER to configure, test and deploy:</p> <ol style="list-style-type: none"> <li>1. FSV Fuel File Layout Definition – This is the layout for the export file you plan on receiving regularly from your FSV. It defines your fuel export file's columns, positions and/or delimiters (if used).</li> <li>2. Fuel System Export Files - Live production export files from the fuel system, including the complete disbursement transaction data. A minimum of 100 transactions will be needed for proper testing. The export files generated from your fuel system must be flat files, not reports, and not generated in Microsoft Excel. It is important you ensure your FSV does not change this export file as any changes may require additional configuration and testing.</li> <li>3. Completed FI-Customer Configuration Form -This is a detailed form that assists you in providing all the information required for the FI to be configured and tested properly.</li> </ol> <p>(This FI does not import Site &amp; Dispenser information. You can add the importing of Site &amp; Dispenser data to the SFI for an additional (\$2,500) cost.)</p>	\$3,500
<b>Go-Live Custom Work</b>		
1	<p>333e – Custom Integration: Export: Naviline Export</p> <p>This is an estimate for a one-way export. The actual cost of export can be determined once specifications are identified.</p>	\$8,000
<b>Data Services</b>		
1	<p>408 - Migration Data Conversion:</p> <p>The Migration Data Conversion Product is used for migrating data from COTS FASTER Win-5.69 BR2 or higher to FASTER Web. It does not include migrating data that relates or is the result of a use of FASTER Win Add-On unless specifically noted. For example, item 2 of the appendix identifies that if you have the graphics add-on, then all your graphics will be brought over with the migration.</p> <p>A Migration Data Conversion does not migrate data that is uniquely associated with the customization you have. This will need to be addressed separately and potentially as an additional custom migration. The attached appendix "Migration Data Conversion Product" is an outline of the categories of data that will be migrated during the Migration Data Conversion.</p>	\$15,000
1	<p>405 – Data Cleanup:</p> <p>If the data in the current system is in need of correction prior to the extraction, the customer will be responsible for data correction that takes place in the legacy system. (However, as part of the implementation process, FASTER Fleet Consultants will provide advice and guidance related to data correction.) For customers who maintain reliable data, there should be no need for data correction. However, if past practices or flawed conversions permitted incorrect data to be entered in the current system, it is advisable that the customer correct this prior to the extraction process beginning.</p>	n/a
<b>Configuration &amp; Training</b>		
1	Migration Implementation and Project Management Services	\$9,000

1	<p>511 – System Overview Meetings (SOM):</p> <p>System overview meetings take place via live, remote web-based sessions. They consist of two, 4-hour meetings that will occur on the same day or two consecutive days where the customer will ensure key users are able to participate.</p>	\$6,600
1	<p>512 – System Training/Go-Live:</p> <p>This training includes the below training agenda.</p> <p>Because training is hands-on, the maximum class size is 20 attendees and includes a single training location. Additional training sessions and trainers can be added at an additional cost any time up to 4-weeks prior to your go-live.</p>	See below
1	<p>512a – Go-Live Week System Training - Asset Module (4 Hrs):</p> <p>Should include FASTER System Admin and Asset Managers.</p>	\$2,200
1	<p>512b – Go-Live Week System Training - Maintenance Module (4 Hrs):</p> <p>Should include FASTER System Admin, Maintenance Supervisor, Service Writers and/or Technician who will create work orders.</p>	\$2,200
1	<p>512c – Go-Live Week System Training - Parts Module (4 Hrs):</p> <p>Should include FASTER System Admin, Parts Staff and Parts Managers.</p>	\$2,200
1	<p>512d – Go-Live Week System Training - Fuel Module (1 Hr):</p> <p>Should include FASTER System Admin and Fuel Clerk.</p>	\$550
1	<p>512e – Go-Live Week System Training - Vendors &amp; Accounting Modules (1.5 Hrs):</p> <p>Should include FASTER System Admin, Accounting Staff and Parts Managers.</p>	\$825
2	<p>512f – Go-Live Week System Training - Technician Workstation (2.5 Hrs):</p> <p>Should include FASTER System Admin and Technicians.</p>	\$1,375

1	<p>512g – Go-Live Week System Training - Additional Trainers (TBD):</p> <p>The above training costs provide for one trainer the week of go live. One trainer can provide one session of each of the above hands-on, user training sessions with the exception of the Technician Workstation. (Two Technician Workstation sessions can be accommodated by a single trainer.) If you determine your training needs require additional training sessions due to shift work or other needs, an additional FASTER trainer can participate during the week of go live for an added cost.</p> <p>Therefore, it will be important for you to determine the total number of training sessions and trainers you will need in order to then calculate your total training cost. Each of the above training sessions are role-based. So it should be easy to determine how many staff you have for each role. Typically the largest training sessions are the Technician Workstation and Maintenance Module. Please remember that you may want your Technicians to attend more than the Technician Workstation training module.</p> <p>To calculate your additional training costs:</p> <ul style="list-style-type: none"> <li>-- The cost (including room, board and travel) of the 1st trainer is included in the above costs.</li> <li>-- Travel, room and board will be a flat cost of \$1,000 for each additional trainer.</li> <li>-- To calculate session costs, multiply the number of additional training sessions you need of each of the above session options by the cost of the training module as listed above (module session cost times how many instances of that module session you require).</li> <li>-- The above flat fee for travel, room and board of each additional trainer as well as the fees for the above training assume that training sessions will be held consecutively so as to minimize the number of days a trainer would need to be at your location. It also assumes there is no weekend stayover. If training will begin one week and extend into the next week, an additional \$1,000 per trainer would apply for travel, room and board (\$1,000 flat fee per trainer times the number of business weeks spanned).</li> </ul>	TBD
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Discounts		
1	<p>900 – Existing WIN Customer Discount</p> <p>Discount for Existing FASTER WIN Customers</p>	-\$4,000
1	<p>905ec – Existing FASTER WIN Customer Dashboard Discount</p>	-\$10,000
<b>Software &amp; Services Total</b>		<b>\$93,450</b>

Upgrades & Support		
1	<p>801 – Upgrades &amp; Support:</p> <p>Annual support after switch date. Annual support services are comprised of Software Cost, Add-Ons and Customizations. Migration annual support fee will require that FASTER Win will no longer be in use. The Initial FASTER Web annual support fee will be due 30 days after switch date. Any months remaining on FASTER Win support will be pro-rated and deducted from the initial year of FASTER Web support. After the initial renewal year, support costs will increase at 3% annually.</p>	<b>\$13,500</b>
<b>Upgrades &amp; Support Total</b>		<b>\$13,500</b>

Payment Schedule By Milestone		
Milestone	Percent Due	
Upon Purchase Confirmation	30%	
COTS Software Delivery	30%	

<b>COTS System Overview</b>	<b>20%</b>
<b>Delivery of Converted Data and Go Live</b>	<b>20%</b>
<b>Hourly Work: Hourly work is billed monthly.</b>	<b>TBD</b>

## Migration Data Conversion Product

After you have completed your data cleanup, it is important that you consider additional data preparation tasks and information that will aid you in preparing *FASTER* Win data to migrate effectively to a more robust and more structured *FASTER* Web database (DB) structure.

Below is detailed information.

After you deliver your clean *FASTER* Win database, *FASTER* begins the migration process.

After this point you will NOT be able to change data in the *FASTER* Win DB (other than daily transactions). Therefore, NO cleanup can be done after this point. So be sure all your data cleanup and prep is done prior to uploading your *FASTER* Win database to *FASTER*.

The migration process begins by *FASTER* creating and testing a test *FASTER* Web DB. This test migration DB is called a soft go-live DB. You will be provided this soft go-live DB for review and approval. Later, one week prior to go-live you will be able to provide to *FASTER* another *FASTER* Win DB so new transaction data can be included in the final go-live DB.

### Important Notes:

Once *FASTER* begins the migration work, you cannot do data cleanup or change data in your *FASTER* Win DB in any way other than to add transactions. If you do, you will risk your migration project timeline and could cause corruption or bad data or cause your organization to spend a great deal of time reversing those entries or create added cost.

There is currently a migration path from 5.69BR2 and above to *FASTER* Web. If you have a version of *FASTER* Win that is prior to 5.69BR2, you will need to upgrade to the latest version of *FASTER* in order to migrate to *FASTER* Web.

## Data that Will Migrate

The Migration Data Conversion Product is used for migrating data from COTS *FASTER* Win to *FASTER* Web. It does not include migrating data that relates or is the result of a use of *FASTER* Win Add-Ons unless specifically noted. For example, Item 2 below identifies that if you have the graphics add-on, then all your graphics will be brought over with the migration.

A Migration Data Conversion does not migrate data that is uniquely associated with the customizations you have. This will need to be addressed separately and potentially at an additional cost for a custom migration.

Below is a specific list of the categories of data that will be migrated during the Migration Data Conversion:

### 1. Equipment Inventory



- Birth Certificate
- Acquisition and Disposal
- Vehicle Replacement
- Warranty Records
- Preventative Maintenance
- History (Is regenerated post migration based on successfully migrated data)
- User Reference

## **2. Graphics (Attachments) and Notes**

### **3. Parts Inventory**

- Birth Certificate
- Warranty Records
- Parts History (Is Regenerated Post Migration Based on Successfully Migrated Data)
- Order Receipts
  - Parts Processing: Credits
- Transfers (Including Returns to Vendor)
- Interchangeable Part Numbers - IPN
- Vendors & Purchase Orders
- Parts Lists

### **4. Repair Types/Codes**

### **5. Work Orders/Independent Parts/Deferred Repairs**

- Transactional Detail
- Meter History
- Indirect Labor
  - Deferred Repairs
- Task Lists

### **6. Operational Cost/Fuel**

- Transactional Detail

### **7. Equipment Templates**

### **8. Billing History**

## **FASTER Web Handles Data Differently**

*FASTER* Web is a separate, distinct product from *FASTER* Win. It was designed to provide the best practices for a fleet's future needs. This means that some of the fields, forms, and processes of *FASTER* Win have been modified or changed. Instead of building *FASTER* Web to be similar to *FASTER* Win, we felt that building the best product (even if it deviated from *FASTER* Win) is what our customers needed. Therefore, please review the *FASTER* Web product and make sure that you are comfortable with the fact that some fields, forms, and processes are different. Below is a summary of some of those differences:

### **Field Names**

Some Field Names have shifted in *FASTER* web. A few examples of this include:

- Company changes to Organization
- Independent Issue changes to Direct Charge

- Equipment changes to Asset
- Table Look Up to Fields

Along these lines, the field names and data elements within are not identical between the two systems.

### **Applets No Longer Standalone**

In *FASTER* Web, Applets have been consolidated into modules that represent roles.

For instance:

- Work Order, Independent Parts Issue, Shop Floor Manager, Task Lists, and Indirect Labor Editor. These applets are in the Maintenance Module of *FASTER* Web.
- Part Inventory, Part Processing, Key Change and Parts Lists. These applets are in the Parts Module of *FASTER* Web.
- Equipment Inventory, Equipment Template, Equipment Ownership, Warranty Tracking, and Key Change. These applets are in the Assets Module of *FASTER* Web.

### **Process Changes**

- Budget account codes are required in *FASTER* Web to process all purchases. If account code usage was turned on in Win these codes are consolidated into a single migration code.
- *FASTER* Web does not support Last Receipt. Your costing method will be converted to Moving Average.
- Table codes are now called Fields and have had their descriptions extended in length.
- *FASTER* Win Table Lookups included two fields, both a field for Code and a field for Description. In *FASTER* Web some Table Look Ups only have a description because a Code and a Description were redundant. Some examples of this would be Color, Make, and Model. In some cases the data migration will append the WIN code and description into the WEB description.
- Field relabeling functionality is limited to specific fields in *FASTER* Web; however, the relabeled fields will carry through to the Reports and other Modules.
- Credits are no longer applied directly to a work order. They are added as a Billing Adjustment that shows on the work order print out.
- Lifetime Warranty cycle type 'L' will be migrated to *FASTER* Web as a warranty with a cycle type of 'Y' for Years and the Cycle Length in *FASTER* Win will be migrated over directly to *FASTER* Web's cycle length.
- Work Order Other Cost no longer requires a Repair Type. Therefore, the Asset History totals in Web do not consider the Repair Reason code from Win. All Work Order Costs are now displayed in the 'Other Cost' column in Web.
- *FASTER* Web does not provide batch entry functionality for work order related data.
- Since *FASTER* Web is a browser-based product you do not need to use a keyboard on a handheld scanner or a PDA. You can use the following to satisfy the need for manual data input while doing receiving, issuing, or inventory:
  1. A notebook computer running a compatible browser or a tablet running a compatible browser with a wireless card.

2. A wireless network in your parts room.
3. If you have the above, you can take your notebook or tablet with you when you do receiving, issuing, or inventory. You can enter directly into the notebook's or tablet's keyboard the quantity in real-time in *FASTER* Web. Therefore, when you buy a barcode scanner you can buy the less expensive scanner that does not have a keyboard.

#### **New Processes Supported in *FASTER* Web**

- Ability to have multiple contacts per asset in *FASTER* Web.
- Ability to have multiple standard specification types for the same asset in *FASTER* Web.
- Auto work order notification email for multiple statuses is available in *FASTER* Web.
  - Auto Shop Charges for multiple costs is available in *FASTER* Web.
- Ability to plan for acquisition in *FASTER* Web.
- Core tracking & returns functionality is available in *FASTER* Web.
- Two-step part transfer audit trail in *FASTER* Web.
- User required to validate meter readings before processing fuel in *FASTER* Web.
- Close out process for asset inventory counts in *FASTER* Web.
- Ability to use P-card(procurement cards) in *FASTER* Web.
- Ancillary PM, inspections, and renewals are tracked as Scheduled Actions in *FASTER* Web.

#### **Data Not Migrated**

A Migration Data Conversion does not migrate data that is uniquely associated with any customization you may have. This will need to be addressed separately and potentially at an additional cost for a custom migration. The data outlined below will NOT be migrated from *FASTER* Win to *FASTER* Web; But Functionality Is Available in *FASTER* Web.

#### **Data Not Migrated But Functionality Is Available in *FASTER* Web**

- Title Sets
- Equipment Account (EA Account)
- Billing Account (VBA Codes)
- Flat Rates
- Warranty Claims Tracking
- Backorders (only fully received orders are migrated)
- WRR (E-request repair requests from *FASTER* service center)
- RLS (Repair Labor Standard)
- Vendor Contact Cell Phone field
- F-Audit components: physical count adjustment, deleted orders, adjusted quantity, adjusted cost
- Dashboard KPI views and individual settings

#### **Data Not Migrated And Functionality Is Not Available in *FASTER* Web**

The below listed data is not migrated. And *FASTER* Web does not include the below features or functionality. Due to *FASTER* Web's improved design, some of this functionality is not necessary.

- Tank Inventory
- PM Scheduler Templates
- EOM History
- Work order estimates
- Quick buttons
- Work Order User Reference
- Max Issue from Parts
- EOQ, ABC, UCC
- Any customer created custom table codes (existing code will not be migrated & creating new ones is not supported in *FASTER* Web)
  - If you had *FASTER* develop any type of customization, usually financial, part of that development often included custom table codes that were used to identify customer specific data. These custom table codes are not migrated.

### Radio Assets Management

If you are using *FASTER* Win to manage radio assets, you are likely managing radio assets as a child asset of the fleet asset. While *FASTER* Web will provide the opportunity to manage radio can do it differently than in *FASTER* Win. Therefore, just as you customized *FASTER* Win to manage radio assets, you will want to customize *FASTER* Web to take advantage of its unique qualities. If you choose to manage radios separately from assets, this will likely require a second database and a second migration. This will be an added cost and is not part of the *FASTER* Win to *FASTER* Web migration. Please discuss your needs with us.

### Facilities Management

If you are using *FASTER* Win to manage facilities, there are some fundamental differences in the way you would manage facilities in *FASTER* Web. In general, you will find *FASTER* Web more robust. But in *FASTER* Web you will likely want to maximize your productivity by managing Facilities data in a separate DB from Fleet data. This requires a separate instance of *FASTER* Web (a second install of the *FASTER* Web application and a separate DB). And that does mean there is a higher cost. While you can avoid this added cost of a second Facilities DB and instance by putting your Facilities data in the same DB as your Fleet data; you will lose the ability to customize Facilities separate from Fleet data.

If you want Facilities data migrated from a Company in a *FASTER* Win DB to a *FASTER* Web DB, there will be the extra cost of a custom migration. This is not part of the *FASTER* Win to *FASTER* Web migration. Please discuss your needs with us.

# CIP Detail Project Report FY 2018 - FY 2022



CIP Fiscal Year Period FY 2018 - FY 2022

Fund: 001 Dept/Div: 3560

CIP #: CP-PW-18-HV Project #: Account #: 64-00 CIP Classification: Machinery & Equipment District: City

Project Name: City Hall HVAC replacement

FY Start 2019 Quarter Q4

Project Location: City Hall

FY End 2019 Quarter Q1

## Project Description

Replacement of 6 -20 ton condenser and 1-Libert condenser

## Project Justification

The HVAC units in City Hall are currently 8 years old and will in FY 19 10 years old

## Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
\$90,000	\$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	\$0	\$0	\$0	\$0

## Recurring Annual Costs

Operating	\$0
Maintenance	\$0
Personal	\$0
Other Non-Capital	\$0

Total Recurring Costs \$0

## Capital Costs and Proposed Financing by Fiscal Year

2018	\$0	\$0 this FY
2019	\$40,000	Revenue
2020	\$50,000	Revenue
2021	\$0	\$0 this FY
2022	\$0	\$0 this FY

Total Capital Costs \$90,000

## Financing Comments

CIE\_Designation ☐

# CIP Detail Project Report FY 2018 - FY 2022



CIP Fiscal Year Period FY 2018 - FY 2022

Fund: 001 Dept/Div: 3560

CIP #: CP-PW-13-CR Project #: Account #: 62-00 CIP Classification: Building District: City

Project Name: Cocoa Civic Center Rehabilitation FY Start 2019 Quarter Q4

Project Location: Civic Center FY End 2019 Quarter Q1

## Project Description

1)The Ballrooms at the Civic Center are in need of some updating. Install new decorative columns and wall coverings in the ballrooms, and lay new carpet squares in the ballroom, foyer and conference rooms. 2) Replace the roof. 3) Update the ballroom, improve the river view, relocate the kitchen, and update all bathrooms. Install storm-rated windows, and new carpet.

## Project Justification

1) this is needed to attract wider variety of events, customers and business to the Civic Center. 2) Emergency repairs always cost more than preventative maintenance. The older buildings in the city are in need of roof replacements. If not replaced, the City could incur more cost due to leaks, mold, fungus etc. 3) To increase marketability and bring more events to the downtown area.

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
\$865,000	\$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	\$0	\$0	\$0	\$0

## Recurring Annual Costs

Operating	\$1,000
Maintenance	\$1,000
Personal	\$0
Other Non-Capital	\$0
<b>Total Recurring Costs</b>	<b>\$2,000</b>

## Capital Costs and Proposed Financing by Fiscal Year

2018	\$0	\$0 this FY
2019	\$35,000	Revenue
2020	\$830,000	Revenue
2021	\$0	\$0 this FY
2022	\$0	\$0 this FY
<b>Total Capital Costs</b>	<b>\$865,000</b>	

## Financing Comments

CIE\_Designation ☐

# CIP Detail Project Report FY 2018 - FY 2022



CIP Fiscal Year Period FY 2018 - FY 2022

Fund: 001 Dept/Div: 3560

CIP #: CP-PW-18-WR Project #: Account #: 46-00 CIP Classification: Repair & Maintenance District: City

Project Name: Cocoa PD Wall Rehab FY Start 2018 Quarter Q4

Project Location: Police Department FY End 2018 Quarter Q1

## Project Description

The pre-cast concrete wall has had moisture intrusion, rusting and spalling of the concrete. The wall is starting to fail in many areas

## Project Justification

the Police department compound needs to stay secure

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date	2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
\$63,000	\$0		\$0	\$0	\$0	\$0

## Recurring Annual Costs

Operating	\$0
Maintenance	\$0
Personal	\$0
Other Non-Capital	\$0

Total Recurring Costs \$0

## Capital Costs and Proposed Financing by Fiscal Year

2018	\$0	\$0 this FY
2019	\$0	\$0 this FY
2020	\$63,000	Revenue
2021	\$0	\$0 this FY
2022	\$0	\$0 this FY

Total Capital Costs \$63,000

## Financing Comments

CIE\_Designation ☐



# CIP Detail Project Report FY 2018 - FY 2022



CIP Fiscal Year Period FY 2018 - FY 2022

Fund: 001 Dept/Div: 3560

CIP #: CP-PW-18-F2 Project #: Account #: 46-02 CIP Classification: R&M Building District: City

Project Name: Fire #2 Rehab FY Start 2018 Quarter Q4

Project Location: Fire #2 FY End 2018 Quarter Q1

## Project Description

to repair gutter system, pressure wash and paint exterior, pressure wash and paint the interiors of the Truck bays, replace window with impact windows, repair and replace the bay doors and pave the drive way and employees parking area

## Project Justification

to give to the County for use for Public Safety

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date	2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
\$36,000	\$0		\$0	\$0	\$36,000	\$0

## Recurring Annual Costs

Operating	\$1,000
Maintenance	\$1,000
Personal	\$0
Other Non-Capital	\$0

Total Recurring Costs \$2,000

## Capital Costs and Proposed Financing by Fiscal Year

2018	\$36,000	Revenue
2019	\$0	\$0 this FY
2020	\$0	\$0 this FY
2021	\$0	\$0 this FY
2022	\$0	\$0 this FY

Total Capital Costs \$36,000

## Financing Comments

Budgeted in FY 17 need to move to FY 18

CIE\_Designation ☐

# CIP Detail Project Report FY 2018 - FY 2022



CIP Fiscal Year Period FY 2018 - FY 2022

Fund: 001 Dept/Div: 3560

CIP #: CP-PW-18-PB Project #: Account #: 46-02 CIP Classification: R&M Building District: City

Project Name: Public Works Pole Barn Rehab FY Start 2019 Quarter Q4

Project Location: Public Works FY End 2019 Quarter Q1

## Project Description

Grind all surface rust, clean all metal. Apply rust inhibiting coat to all metal surfaces, apply primer, paint 2 coats of industrial coating.

## Project Justification

Building will be in need of sealing and repainting

## Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date	2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
\$76,000	\$0		\$0	\$0	\$0	\$0

## Recurring Annual Costs

Operating	\$0
Maintenance	\$0
Personal	\$0
Other Non-Capital	\$0

Total Recurring Costs \$0

## Capital Costs and Proposed Financing by Fiscal Year

2018	\$0	\$0 this FY
2019	\$76,000	Revenue
2020	\$0	\$0 this FY
2021	\$0	\$0 this FY
2022	\$0	\$0 this FY

Total Capital Costs \$76,000

## Financing Comments

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# CIP Detail Project Report FY 2018 - FY 2022



CIP Fiscal Year Period FY 2018 - FY 2022

Fund: 001 Dept/Div: 3560

CIP #: CP-PW-17-S3 Project #: Account #: 46-02 CIP Classification: R&M Building District: City

Project Name: Roof replacement Fire station #3 FY Start 2018 Quarter Q4

Project Location: Fire station #3 FY End 2018 Quarter Q1

## Project Description

If Fire #3 is going to be kept for a storage building it will need a new roof

## Project Justification

Emergency repairs always cost more than preventative maintenance

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
\$75,000	\$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	\$0	\$0	\$0	\$0

## Recurring Annual Costs

Operating	\$1,000
Maintenance	\$1,000
Personal	\$0
Other Non-Capital	\$0

Total Recurring Costs \$2,000

## Capital Costs and Proposed Financing by Fiscal Year

2018	\$0	\$0 this FY
2019	\$75,000	Revenue
2020	\$0	\$0 this FY
2021	\$0	\$0 this FY
2022	\$0	\$0 this FY

Total Capital Costs \$75,000

## Financing Comments

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# CIP Detail Project Report FY 2018 - FY 2022



CIP Fiscal Year Period FY 2018 - FY 2022

Fund: 001 Dept/Div: 3560

CIP #: CP-PW-18-SP Project #: Account #: 46-02 CIP Classification: R&M Building District: City

Project Name: Seal/Paint Police department FY Start 2018 Quarter Q4

Project Location: Police department FY End 2018 Quarter Q1

## Project Description

Pressure wash ,seal and Paint Police department

## Project Justification

The PD building was last painted over 10 years ago.

## Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date	2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
\$32,000	\$0		\$0	\$0	\$32,000	\$0

## Recurring Annual Costs

Operating	\$0
Maintenance	\$0
Personal	\$0
Other Non-Capital	\$0

Total Recurring Costs \$0

## Capital Costs and Proposed Financing by Fiscal Year

2018	2019	2020	2021	2022	Revenue
\$32,000	\$0	\$0	\$0	\$0	\$0 this FY
					\$0 this FY
					\$0 this FY
					\$0 this FY

Total Capital Costs \$32,000

## Financing Comments

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# CIP Detail Project Report FY 2018 - FY 2022



CIP Fiscal Year Period FY 2018 - FY 2022

Fund: 001 Dept/Div: 3580

CIP #: CP-PW-17-DM Project #: Account #: 64-00 CIP Classification: Machinery & Equipment District: City

Project Name: 2 Digital message boards

FY Start 2018 Quarter Q4

Project Location: City Wide - TBD

FY End 2018 Quarter Q1

## Project Description

One new Digital message boards for the new Fire Stations purchased in FY18 and one in FY19.

## Project Justification

to better infor our citizens with message boards throughout the City

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date	2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
\$100,000	\$0		\$0	\$0	\$50,000	\$0

## Recurring Annual Costs

Operating	\$1,000
Maintenance	\$1,000
Personal	\$0
Other Non-Capital	\$0

Total Recurring Costs \$2,000

## Capital Costs and Proposed Financing by Fiscal Year

2018	\$50,000	Revenue
2019	\$50,000	Revenue
2020	\$0	\$0 this FY
2021	\$0	\$0 this FY
2022	\$0	\$0 this FY

Total Capital Costs \$100,000

## Financing Comments

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# CIP Detail Project Report FY 2018 - FY 2022



CIP Fiscal Year Period FY 2018 - FY 2022

Fund: 001 Dept/Div: 3580

CIP #: CP-PW-17-JS Project #: CP1504 Account #: 62-00 CIP Classification: Building District: D1

Project Name: New Joe L. Smith Center for Justice FY Start: 2017 Quarter: Q4

Project Location: Joe L. Smith FY End: 2019 Quarter: Q1

## Project Description

To Design and build a new Joe L. Smith center for justice

## Project Justification

A multi-use building .

## Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date	2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
\$4,560,000	\$0		\$60,000	\$0	\$115,000	\$0

## Recurring Annual Costs

Operating	\$1,000
Maintenance	\$0
Personal	\$0
Other Non-Capital	\$0

Total Recurring Costs \$1,000

## Capital Costs and Proposed Financing by Fiscal Year

2018	\$175,000	Reserves
2019	\$4,385,000	Grant
2020	\$0	\$0 this FY
2021	\$0	\$0 this FY
2022	\$0	\$0 this FY

Total Capital Costs \$4,560,000

## Financing Comments

Diamond Square CRA TIF, CDBG 108 loan, other possible grant source, Debt proceeds and General Fund contribution.

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# CIP Detail Project Report FY 2018 - FY 2022



CIP Fiscal Year Period FY 2018 - FY 2022

Fund: 001 Dept/Div: 3580

CIP #: CP-PW-16-FS Project #: Account #: 63-00 CIP Classification: Infrastructure District: D2

Project Name: Total Fitness system FY Start 2018 Quarter Q4

Project Location: Bracco Pond walking path FY End 2018 Quarter Q1

## Project Description

Two complete outdoor fitness systems, 1 Jr. Fitness (ages 9-14) with 14 stations with 84 exercises designed for pre-teens and teenagers. 2 Prime fitness(ages 13 and up) with 10 stations with 120 exercises.

## Project Justification

To prompt a healthy life style in the City Parks

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date	2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
\$95,000	\$0		\$0	\$0	\$0	\$0

## Recurring Annual Costs

Operating	\$1,000
Maintenance	\$1,000
Personal	\$0
Other Non-Capital	\$0
<b>Total Recurring Costs</b>	<b>\$2,000</b>

## Capital Costs and Proposed Financing by Fiscal Year

2018	\$0	\$0 this FY
2019	\$95,000	Combination
2020	\$0	\$0 this FY
2021	\$0	\$0 this FY
2022	\$0	\$0 this FY

## Financing Comments

Possible FRDAP Grant and revenue

Total Capital Costs \$95,000

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# CIP Detail Project Report FY 2018 - FY 2022



CIP Fiscal Year Period FY 2018 - FY 2022

Fund: 001 Dept/Div: 3580

CIP #: CP-PW-18-TC Project #: Account #: 64-00 CIP Classification: Machinery & Equipment District: City

Project Name: Trash Can replacement FY Start: 2018 Quarter: Q4

Project Location: City-wide FY End: 2018 Quarter: Q1

## Project Description

To update all the trash cans through-out Downtown and City-wide 35 new Trash cans

## Project Justification

To replace old and weathered trash cans and to have one style of trash can through-out the downtown and City wide

## Strategic Connection: to

N/A

Total Cost of Project	Total Cost to Date	2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
\$50,050	\$0		\$0	\$0	\$0	\$0

## Recurring Annual Costs

Operating	\$0
Maintenance	\$0
Personal	\$0
Other Non-Capital	\$0

Total Recurring Costs \$0

## Capital Costs and Proposed Financing by Fiscal Year

2018	\$0	\$0 this FY
2019	\$25,025	Revenue
2020	\$25,025	Revenue
2021	\$0	\$0 this FY
2022	\$0	\$0 this FY

Total Capital Costs \$50,050

## Financing Comments

35 Trash cans - \$ 1,430 per can

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City of Cocoa Capital Improvement Plan  
FY 2018 through FY 2022

**Special Revenue Funds Projects**



# CIP Detail Project Report FY 2018 - FY 2022



CIP Fiscal Year Period FY 2018 - FY 2022

Fund: 110 Dept/Div: 3230

CIP #: CP-CD-18-FA Project #: CP1502 Account #: 63-00 CIP Classification: Infrastructure District: D1

Project Name: 6 Forrest Avenue Gateway Entry Feature

FY Start 2018 Quarter Q4

Project Location: Cocoa CRA

FY End 2018 Quarter Q1

## Project Description

Develop and install a gateway entry feature at 6 Forrest Avenue to signify entry into Historic Cocoa Village.

## Project Justification

The Cocoa CRA approved the Waterfront Master Plan of which one of the prioritized projects was the Wayfinding/Signage Program.

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
\$260,000	\$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	\$0	\$0	\$260,000	\$0

## Recurring Annual Costs

Operating	\$0
Maintenance	\$2,000
Personal	\$0
Other Non-Capital	\$0

Total Recurring Costs \$2,000

## Capital Costs and Proposed Financing by Fiscal Year

2018	\$260,000	Combination
2019	\$0	\$0 this FY
2020	\$0	\$0 this FY
2021	\$0	\$0 this FY
2022	\$0	\$0 this FY

Total Capital Costs \$260,000

## Financing Comments

The Cocoa CRA will apply for any grant funding available for signage and use TIF revenues as needed to fund the project.

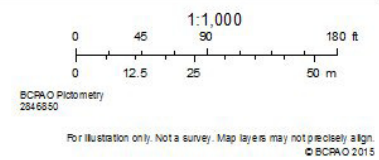
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# 6 Forrest Avenue Project #: CP1502

Brevard County Property Appraiser



May 16, 2017



# CIP Detail Project Report FY 2018 - FY 2022



CIP Fiscal Year Period FY 2018 - FY 2022

Fund: 110 Dept/Div: 3230

CIP #: CP-PW-18-BA Project #: Account #: 63-00 CIP Classification: Infrastructure District: D1

Project Name: Brevard Ave Streetscape Project FY Start 2020 Quarter Q4

Project Location: Downtown Cocoa FY End 2021 Quarter Q1

## Project Description

Upgrade water, sewer, stormwater system and landscaping on Brevard Ave. from S.R.520 to Rosa L. Jones. Also re-paving and striping of roadways

## Project Justification

Brevard Ave is the main throughfair into Cocoa Village. The existing water and sewer have been in existence since the 1920's and the streetscape portion was done in the 1970's. All of the utilities are in need of a major up-grade.

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date	2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
\$4,000,000	\$0		\$0	\$0	\$0	\$0

## Recurring Annual Costs

Operating	\$0
Maintenance	\$0
Personal	\$0
Other Non-Capital	\$0

Total Recurring Costs \$0

## Capital Costs and Proposed Financing by Fiscal Year

2018	\$0	\$0 this FY
2019	\$0	\$0 this FY
2020	\$500,000	Combination
2021	\$3,500,000	Combination
2022	\$0	\$0 this FY

Total Capital Costs \$4,000,000

## Financing Comments

Joint Project; Funded by; Cocoa CRA / General Fund / Utilities and Stormwater

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# CIP Detail Project Report FY 2018 - FY 2022



CIP Fiscal Year Period FY 2018 - FY 2022

Fund: 110 Dept/Div: 3230

CIP #: CP-CD-14-TD Project #: CS14LW Account #: 63-00 CIP Classification: Infrastructure District: D1

Project Name: Cocoa Riverfront T-Dock Expansion (Phase 2 - Construction)

FY Start 2018 Quarter Q4

Project Location: Riverfront Park and Lee Wenner Park

FY End 2018 Quarter Q1

## Project Description

Extend and reconstruct the T-dock to accommodate larger vessels, such as ICW cruisers.

## Project Justification

The Cocoa Redevelopment Plan and the approved Waterfront Master Plan identify this project. The expansion of the T-dock will allow greater boater access to Cocoa Village and allow for larger vessels to bring additional patrons to the Village.

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
\$464,000	\$50,000

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	\$50,000	\$0	\$0	\$364,000

## Recurring Annual Costs

Operating	\$0
Maintenance	\$2,000
Personal	\$0
Other Non-Capital	\$0
<b>Total Recurring Costs</b>	<b>\$2,000</b>

## Capital Costs and Proposed Financing by Fiscal Year

2018	\$414,000	Combination
2019	\$0	\$0 this FY
2020	\$0	\$0 this FY
2021	\$0	\$0 this FY
2022	\$0	\$0 this FY

## Financing Comments

FIND Grant of \$25,000 was awarded in FY 2014 for design and engineering. Construction grant of \$192,803 will be sought from FIND with Cocoa CRA TIF of \$191,803 as 50% match for construction reimbursement.

Total Capital Costs \$414,000

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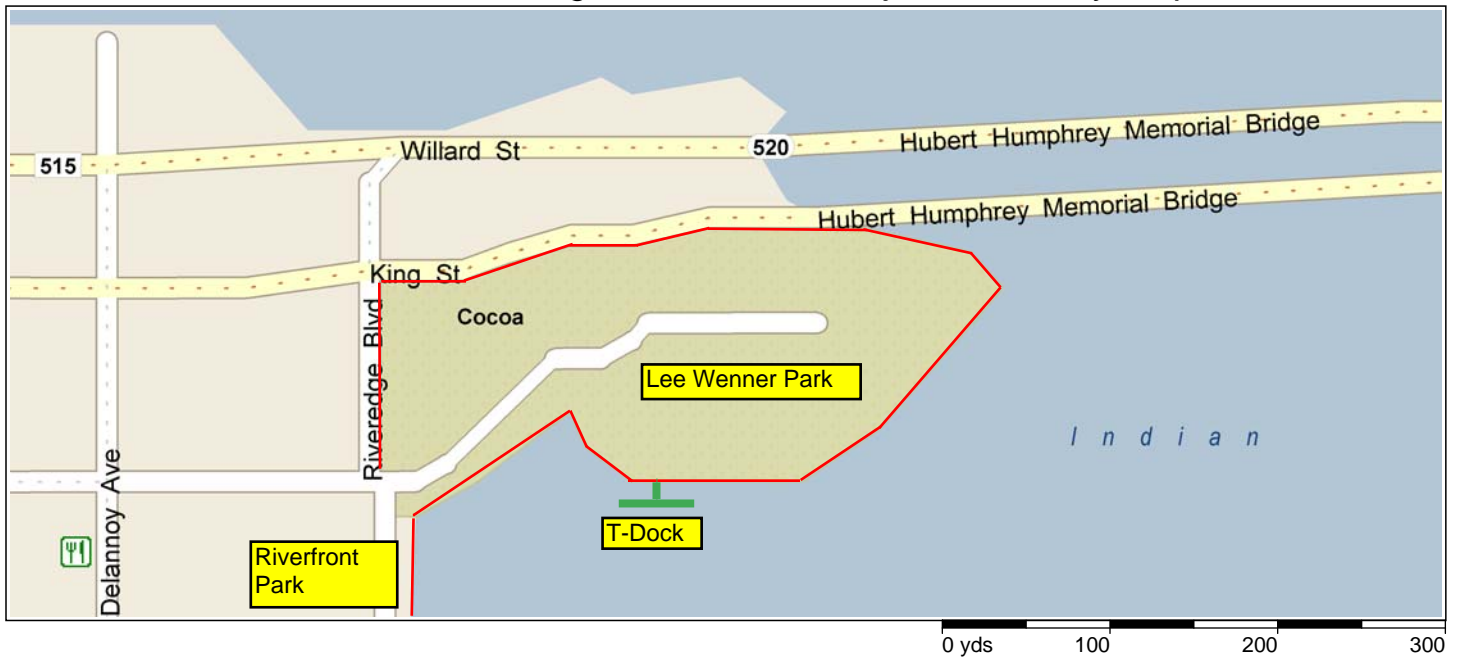
Project #: PW16RP  
Docking Locations



- \*No docking at Day Docks between the hours of 12:00 am and 5:00 am
- \*Day docks are restricted to a maximum 8 hour time limitation
- \*T-Dock is restricted to a maximum 48 hour time limitation
- \*No time restriction at Dinghy Dock



# Florida Inland Navigation District - Project Boundary Map



City of Cocoa  
Riverfront Park T-Dock Expansion Project

# CIP Detail Project Report FY 2018 - FY 2022



CIP Fiscal Year Period FY 2018 - FY 2022

Fund: 110 Dept/Div: 3230

CIP #: CP-CD-13-SP Project #: CD1401 Account #: 63-00 CIP Classification: Infrastructure District: D1

Project Name: Cocoa Village Wayfinding and Signage Program FY Start 2022 Quarter Q4

Project Location: Cocoa CRA FY End 2022 Quarter Q1

## Project Description

Develop and install wayfinding signs at key locations within the City directing traffic to and within Historic Cocoa Village.

## Project Justification

The Cocoa CRA approved the Waterfront Master Plan of which one of the prioritized projects was the Wayfinding/Signage Program. The CRA has allocated \$100,000 towards the design of the wayfinding project which was completed in FY 2015. Total project costs for the implementation of the program are estimated at \$500,000.

## Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date	2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
\$500,000	\$67,000		\$0	\$0	\$0	\$0

## Recurring Annual Costs

Operating	\$0
Maintenance	\$2,000
Personal	\$0
Other Non-Capital	\$0
<b>Total Recurring Costs</b>	<b>\$2,000</b>

## Capital Costs and Proposed Financing by Fiscal Year

2018	\$0	\$0 this FY
2019	\$0	\$0 this FY
2020	\$0	\$0 this FY
2021	\$0	\$0 this FY
2022	\$433,000	Combination
<b>Total Capital Costs</b>	<b>\$433,000</b>	

## Financing Comments

The Cocoa CRA will apply for any grant funding available for signage and use TIF revenues as needed to fund the project.

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# CIP Detail Project Report FY 2018 - FY 2022



CIP Fiscal Year Period FY 2018 - FY 2022

Fund: 110 Dept/Div: 3230

CIP #: CP-CS-16-DG Project #: Account #: 62-00 CIP Classification: Building District: D1

Project Name: Downtown Parking Garage FY Start 2019 Quarter Q1

Project Location: Stone and Oleander Streets FY End 2021 Quarter Q4

## Project Description

Construction of a 3-story public parking structure serving Historic Cocoa Village which will provide approximately 300 public spaces as well as additional commercial/retail space on the 1st floor.

## Project Justification

The Parking Study conducted in 2007 will be updated in 2017.

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date	2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
\$5,500,000	\$0		\$0	\$0	\$0	\$0

## Recurring Annual Costs

Operating	\$0
Maintenance	\$0
Personal	\$0
Other Non-Capital	\$0

Total Recurring Costs \$0

## Capital Costs and Proposed Financing by Fiscal Year

2018	\$0	Combination
2019	\$5,500,000	Combination
2020	\$0	\$0 this FY
2021	\$0	\$0 this FY
2022	\$0	\$0 this FY

Total Capital Costs \$5,500,000

## Financing Comments

The City/CRA is currently seeking a public-private partnership to assist with funding of project.

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# CIP Detail Project Report FY 2018 - FY 2022



CIP Fiscal Year Period FY 2018 - FY 2022

Fund: 110 Dept/Div: 3230

CIP #: CP-CS-16-HS Project #: CS15HS Account #: 63-00 CIP Classification: Infrastructure District: D1

Project Name: Harrison Street Streetscaping & Stormwater Drainage Improvements (Cocoa CRA portion) FY Start 2018 Quarter Q3

Project Location: Harrison Street from Delannoy Ave to the entrance to Lee Wenner Park FY End 2018 Quarter Q1

## Project Description

Streetscaping of Harrison Street from Delannoy Avenue to the entrance to Lee Wenner Park.

## Project Justification

This project will enhance the walkability and safety of pedestrian, bicyclists and automobiles as well as much needed stormwater management.

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date	2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
\$396,994	\$0		\$0	\$0	\$0	\$0

## Recurring Annual Costs

Operating	\$0
Maintenance	\$0
Personal	\$0
Other Non-Capital	\$0

Total Recurring Costs \$0

## Capital Costs and Proposed Financing by Fiscal Year

2018	\$0	\$0 this FY
2019	\$396,994	Combination
2020	\$0	\$0 this FY
2021	\$0	\$0 this FY
2022	\$0	\$0 this FY

Total Capital Costs \$396,994

## Financing Comments

The Capital Cost is the portion being funded by the Cocoa CRA TIF. Split between the Utility Fund, Stormwater Fund and the Cocoa CRA (110) Fund

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# CIP Detail Project Report FY 2018 - FY 2022



CIP Fiscal Year Period FY 2018 - FY 2022

Fund: 110 Dept/Div: 3230

CIP #: CP-PW-17-PP Project #: Account #: 63-00 CIP Classification: Infrastructure District: D1

Project Name: Lee Wenner Park Paving and Striping FY Start 2021 Quarter Q4

Project Location: Lee Wenner Park FY End 2021 Quarter Q1

## Project Description

Mill, pave and re-stripe parking and drive lanes in Lee Wenner Park

## Project Justification

The asphalt in the park is old and deteriorated. The existing striping for parking has faded. Re-doing both will enhance the overall apperance of the park

## Strategic Connection: Operational

Enhanced parking will increase the overall apperance of the park and draw more visitors

Total Cost of Project	Total Cost to Date	2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
\$125,000	\$0		\$0	\$0	\$0	\$0

## Recurring Annual Costs

Operating	\$0
Maintenance	\$0
Personal	\$0
Other Non-Capital	\$0

Total Recurring Costs \$0

## Capital Costs and Proposed Financing by Fiscal Year

2018	\$0	\$0 this FY
2019	\$0	\$0 this FY
2020	\$125,000	Other Source
2021	\$0	\$0 this FY
2022	\$0	\$0 this FY

Total Capital Costs \$125,000

## Financing Comments

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# CIP Detail Project Report FY 2018 - FY 2022



CIP Fiscal Year Period FY 2018 - FY 2022

Fund: 110 Dept/Div: 3230

CIP #: CP-CS-16-RP Project #: PW16RP Account #: 63-00 CIP Classification: Infrastructure District: D1

Project Name: Riverfront Park Day Slips FY Start 2018 Quarter Q4

Project Location: The northeastern most section of Riverfront Park at the boardwalk. FY End 2018 Quarter Q1

## Project Description

Construction of additional day 6 to 10 slips at Riverfront Park.

## Project Justification

With the increased development/redevelopment of Historic Cocoa Village, it is anticipated additional day slips will be needed for boaters.

## Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date	2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
\$45,000	\$0		\$0	\$0	\$45,000	\$0

## Recurring Annual Costs

Operating	\$0
Maintenance	\$0
Personal	\$0
Other Non-Capital	\$0

Total Recurring Costs \$0

## Capital Costs and Proposed Financing by Fiscal Year

2018	\$45,000	Combination
2019	\$0	\$0 this FY
2020	\$0	\$0 this FY
2021	\$0	\$0 this FY
2022	\$0	\$0 this FY

Total Capital Costs \$45,000

## Financing Comments

The City is applying for FIND grant, where 50% of construction costs will be funded. Cocoa CRA TIF is funding the remaining 50%.

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# CIP Detail Project Report FY 2018 - FY 2022



CIP Fiscal Year Period FY 2018 - FY 2022

Fund: 110 Dept/Div: 3230

CIP #: CP-CS-15-MF Project #: CD1501 Account #: 63-00 CIP Classification: Infrastructure District: D1

Project Name: Riverfront Park Mooring Field FY Start 2019 Quarter Q1

Project Location: East of Riverfront Park in Indian River Lagoon. FY End 2020 Quarter Q4

## Project Description

Public Mooring Field with up to sixty (60) mooring anchors fronting the bulkhead of Riverfront Park, north of existing FPL right-of-way.

## Project Justification

Mooring Field will allow for the safe and sanitary mooring of larger vessels currently dropping anchor east of the Park in the River. Dangerous conditions exist with unstable mooring and sanitation issues, including derelict vessels.

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date	2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
\$343,354	\$98,000		\$0	\$0	\$0	\$0

## Recurring Annual Costs

Operating	\$50,000
Maintenance	\$25,000
Personal	\$0
Other Non-Capital	\$0
<b>Total Recurring Costs</b>	<b>\$75,000</b>

## Capital Costs and Proposed Financing by Fiscal Year

2018	\$0	\$0 this FY
2019	\$0	\$0 this FY
2020	\$245,354	Grant
2021	\$0	\$0 this FY
2022	\$0	\$0 this FY

## Financing Comments

FIND grant will be sought for construction of just the mooring field, not dockside amenities. A public/private partnership will be sought for construction as well as ongoing operational costs.

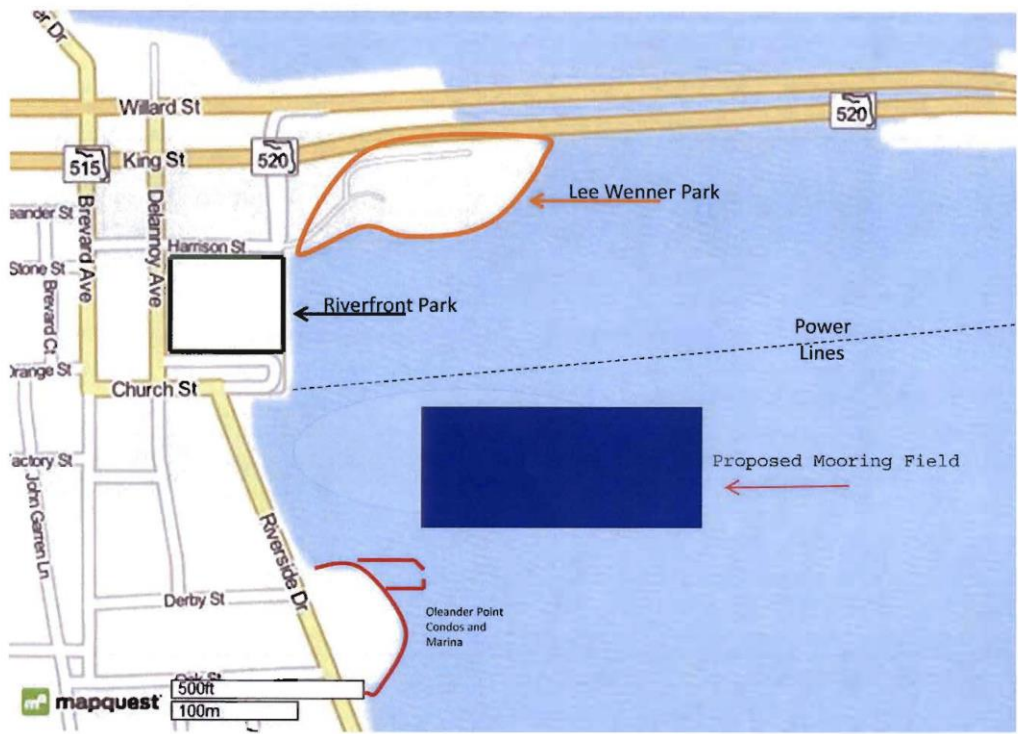
Total Capital Costs \$245,354

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Project #: CD1501

City of Cocoa – Riverfront Park Mooring Field Project Boundary Map



# CIP Detail Project Report FY 2018 - FY 2022



CIP Fiscal Year Period FY 2018 - FY 2022

Fund: 110 Dept/Div: 3230

CIP #: CP-CS-17-TC Project #: Account #: 63-00 CIP Classification: Infrastructure District: D1

Project Name: Southern Gateway Traffic Circle FY Start: 2022 Quarter: Q4

Project Location: Traffic Circle - Brevard Avenue and Rosa L Jones Drive FY End: 2022 Quarter: Q1

## Project Description

Rebuild the Brevard Avenue/Rosa L Jones Drive traffic circle as a functioning public square and gateway entry feature for the southern entrance to Historic Cocoa Village.

## Project Justification

The Traffic Circle is contained in the Cocoa CRA Waterfront Master Plan. The rebuilt square will address vehicle and pedestrian safety concerns as well as add to the inventory of public space. The CRA has completed preliminary engineering and is 50% complete with design and engineering.

## Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date	2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
\$1,849,405	\$163,684		\$0	\$0	\$0	\$0

## Recurring Annual Costs

Operating	\$0
Maintenance	\$0
Personal	\$0
Other Non-Capital	\$0
<b>Total Recurring Costs</b>	<b>\$0</b>

## Capital Costs and Proposed Financing by Fiscal Year

2018	\$0	\$0 this FY
2019	\$0	\$0 this FY
2020	\$0	\$0 this FY
2021	\$0	\$0 this FY
2022	\$1,685,721	Combination
<b>Total Capital Costs</b>	<b>\$1,685,721</b>	

## Financing Comments

TIF revenues as well as grants and other funding sources will be researched.

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# CIP Detail Project Report FY 2018 - FY 2022



CIP Fiscal Year Period FY 2018 - FY 2022

Fund: 301 Dept/Div: 3580

CIP #: CP-FD-11-NS Project #: Account #: 62-00 CIP Classification: Building District: City

Project Name: \*\*\*New Fire Stations Construction - Subject to funding availability FY Start 2017 Quarter Q4

Project Location: Different City locations FY End 2017 Quarter Q1

## Project Description

Construction of 3 new fire stations with 1 containing Admin Offices.

## Project Justification

The annexation to the north and west, the City needs to re-align and construct new fire stations to decrease and maintain response times and provide more efficient coverage and to better serve to Cocoa.

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
\$8,000,000	\$1,500,000

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	\$300,000	\$0	\$4,551,699	\$0

## Recurring Annual Costs

Operating	\$2,000
Maintenance	\$1,000
Personal	\$0
Other Non-Capital	\$0
<b>Total Recurring Costs</b>	<b>\$3,000</b>

## Capital Costs and Proposed Financing by Fiscal Year

2018	\$4,851,699	Combination
2019	\$1,648,301	Combination
2020	\$0	\$0 this FY
2021	\$0	\$0 this FY
2022	\$0	\$0 this FY

## Financing Comments

Fire assessment /Bond  
Funds carried forward from FY16

Total Capital Costs \$6,500,000

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# CIP Detail Project Report FY 2018 - FY 2022



CIP Fiscal Year Period FY 2018 - FY 2022

Fund: 301 Dept/Div: 3580

CIP #: CP-CP-15-01 Project #: CP1501 Account #: 62-00 CIP Classification: Building District: D1

Project Name: HEART OF COCOA MEETING ROOM FY Start 2017 Quarter Q4

Project Location: 217 Factory street FY End 2017 Quarter Q1

## Project Description

To build a City / Community meeting room. The room will be about 36x23 with a bathroom.

## Project Justification

The City has purchased the land at 217 Factory Street and is awaiting a tenant

## Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date	2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
\$160,000	\$0		\$5,000	\$0	\$155,000	\$0

## Recurring Annual Costs

Operating	\$1,000
Maintenance	\$1,000
Personal	\$0
Other Non-Capital	\$0

Total Recurring Costs \$2,000

## Capital Costs and Proposed Financing by Fiscal Year

2018	2019	2020	2021	2022	Revenue
\$160,000	\$0	\$0	\$0	\$0	\$0 this FY
					\$0 this FY
					\$0 this FY
					\$0 this FY

Total Capital Costs \$160,000

## Financing Comments

CIE\_Designation ☐

City of Cocoa Capital Improvement Plan  
FY 2018 through FY 2022

**Water/Sewer Enterprise Fund Projects**



# CIP Detail Project Report FY 2018 - FY 2022



CIP Fiscal Year Period FY 2018 - FY 2022

Fund: 421 Dept/Div: 1515

CIP #: CP-FN-17-MR Project #: Account #: 64-15 CIP Classification: IT Machinery & Equipment District: City

Project Name: Meter reading Hand Held Utility Usage Reading Capture Devices FY Start 2018 Quarter Q4

Project Location: City FY End 2018 Quarter Q1

## Project Description

Replacement of 14 Handheld Meter Reader reading capture devices with the Neptune Trimble Ranger 3Xe Data Collector. The Hardware is estimated at \$5,950 each hand held, \$485 each charging and communication cradle, \$564 each unit per year for annual maintenance after two year warranty expires, and \$2,500 in on-site system training.

## Project Justification

The current Itron MV-RS has announced the end of new sales to be December 31, 2016 and the support for existing equipment to be December 31, 2021. The current technology was procured in 2011. We currently invest in the Neptune product for RF meter reading data collection using the MRX920 unit and the N\_Sight R900 Software. This unit is new to the market and pushing it out to 2018 will allow for valuable feedback from other utility customers. It is also the only unity currently on the market that will read a mixed route of both visually read meters and Neptune RF registers maximizing the efficiency of collecting any given mixed route readings. The annual maintenance is also less on Neptune equipment than Itron by approximately \$4,000 per year.

Strategic Connection: Strategic Plan/Utilities Master Plan

Utility Master Plan.

Total Cost of Project	Total Cost to Date
\$101,486	\$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	\$91,090	\$0	\$0	\$0

## Recurring Annual Costs

Operating	\$0
Maintenance	\$7,896
Personal	\$0
Other Non-Capital	\$0

Total Recurring Costs \$7,896

## Capital Costs and Proposed Financing by Fiscal Year

2018	\$91,090	Revenue
2019	\$10,396	Revenue
2020	\$0	\$0 this FY
2021	\$0	\$0 this FY
2022	\$0	\$0 this FY

Total Capital Costs \$101,486

## Financing Comments

CIE\_Designation ☐

# CIP Detail Project Report FY 2018 - FY 2022



CIP Fiscal Year Period FY 2018 - FY 2022

Fund: 421 Dept/Div: 4010

CIP #: CP-PW-18-FA Project #: 3540-001 Account #: 68-10 CIP Classification: Software District: City

Project Name: FLEET FASTER ASSET UPGRADE TO FASTER WEB FY Start 2018 Quarter Q4

Project Location: Cocoa Fleet FY End 2018 Quarter Q1

## Project Description

This is a full software upgrade a full database migration from FASTER WIN to FASTER WEB. This is Faster Asset Solutions upgrade to it latest FLEET MANAGEMENT SOFTWARE SOLUTION. This is Cocoa Fleet next tool for a ever growing Fleet. The system uses our current database and all the data that has been collected over the past 14 years.

## Project Justification

Cocoa Fleet has been using Faster Asset Solutions since 2004 this was Fasters client based windows solution the system is 14 years old. The new software architecture is WEB giving greater functionality, greater software integration with a host of other enterprise software solutions with KPI functionality. This is the next tool Cocoa Fleet Management software needs FASTER Web, is the most powerful and technologically advanced fleet management system on the market. While other vendors offer web-enabled solutions that were developed with early stage web technologies, FASTER Web was developed based on current platforms from the ground up for a true web experience that offers better load times, better search capability and a true user experience that does not rely on endless scrolling or screen jumping.

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date	2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
\$20,000	\$0		\$0	\$0	\$0	\$0

## Recurring Annual Costs

Operating	\$13,500
Maintenance	\$0
Personal	\$0
Other Non-Capital	\$0

Total Recurring Costs \$13,500

## Capital Costs and Proposed Financing by Fiscal Year

2018	\$0	\$0 this FY
2019	\$20,000	Combination
2020	\$0	\$0 this FY
2021	\$0	\$0 this FY
2022	\$0	\$0 this FY

Total Capital Costs \$20,000

## Financing Comments

This would be a 50/50 split between general and enterprise funds. Fleet service vehicle and equipment in all three funds

CIE\_Designation ☐





## Statement of Work (SOW), Pricing, & Payment Terms

### FASTER Asset Solutions

100% Employee-Owned

**Created For:**

City of Cocoa

**Date:**

March 27, 2017

**Senior Software Consultant:**

Steve Specht

**Pricing in this proposal is valid for 60 days.**

Qty Description		Cost
<b>FMIS Core COTS System</b>		
400	001 – Software Cost: Standard Active Assets:  This price includes up to quantity listed standard active assets (which are defined as originally valued at \$5000 or greater and active). Each additional asset will be \$100.00.  This includes one instance of the FASTER Web Application with one database.	\$40,000
1	050 – Unlimited Named Accounts:  Unlimited user access (named accounts) included.	Included
<b>Add-ons</b>		
1	207nc – Dashboard Add-on: (See Offsetting Discount Below)  Provides 20 standard metrics that monitor fleet industry performance measures. The dashboards have powerful configuration capability to enable effective display of data. They are also drillable in that you can click and drill into the data presented by the dashboard. And the Dashboards are role-based so that you can empower users based on their roles.	\$10,000
1	208 – Barcoding Software:  Barcoding Software for One Storeroom (allows for Label Scanning and Printing). Hardware is not included.	\$6,000

1	<p>301 - Single Vendor Fuel Import (New Vendor or New File) - Existing Customer:</p> <p>This is a single vendor fuel import for an existing customer who has been live on a FASTER product for more than 6 months. This pricing is for either:</p> <ol style="list-style-type: none"> <li>1. To import a new fuel vendor fuel transaction file.</li> <li>2. Or, to import a new fuel file from your existing vendor.</li> </ol> <p>The Fuel Import (FI) is a COTS add-on. It is a robust yet inexpensive way to import data from a Fuel System Vendor (FSV). It requires significant configuration and testing by FASTER. Below are important items the customer will need to provide for FASTER to configure, test and deploy:</p> <ol style="list-style-type: none"> <li>1. FSV Fuel File Layout Definition – This is the layout for the export file you plan on receiving regularly from your FSV. It defines your fuel export file's columns, positions and/or delimiters (if used).</li> <li>2. Fuel System Export Files - Live production export files from the fuel system, including the complete disbursement transaction data. A minimum of 100 transactions will be needed for proper testing. The export files generated from your fuel system must be flat files, not reports, and not generated in Microsoft Excel. It is important you ensure your FSV does not change this export file as any changes may require additional configuration and testing.</li> <li>3. Completed FI-Customer Configuration Form -This is a detailed form that assists you in providing all the information required for the FI to be configured and tested properly.</li> </ol> <p>(This FI does not import Site &amp; Dispenser information. You can add the importing of Site &amp; Dispenser data to the SFI for an additional (\$2,500) cost.)</p>	\$3,500
Go-Live Custom Work		
1	<p>333e – Custom Integration: Export: Naviline Export</p> <p>This is an estimate for a one-way export. The actual cost of export can be determined once specifications are identified.</p>	\$8,000
Data Services		
1	<p>408 - Migration Data Conversion:</p> <p>The Migration Data Conversion Product is used for migrating data from COTS FASTER Win-5.69 BR2 or higher to FASTER Web. It does not include migrating data that relates or is the result of a use of FASTER Win Add-On unless specifically noted. For example, item 2 of the appendix identifies that if you have the graphics add-on, then all your graphics will be brought over with the migration.</p> <p>A Migration Data Conversion does not migrate data that is uniquely associated with the customization you have. This will need to be addressed separately and potentially as an additional custom migration. The attached appendix "Migration Data Conversion Product" is an outline of the categories of data that will be migrated during the Migration Data Conversion.</p>	\$15,000
1	<p>405 – Data Cleanup:</p> <p>If the data in the current system is in need of correction prior to the extraction, the customer will be responsible for data correction that takes place in the legacy system. (However, as part of the implementation process, FASTER Fleet Consultants will provide advice and guidance related to data correction.) For customers who maintain reliable data, there should be no need for data correction. However, if past practices or flawed conversions permitted incorrect data to be entered in the current system, it is advisable that the customer correct this prior to the extraction process beginning.</p>	n/a
Configuration & Training		
1	Migration Implementation and Project Management Services	\$9,000

1	<p>511 – System Overview Meetings (SOM):</p> <p>System overview meetings take place via live, remote web-based sessions. They consist of two, 4-hour meetings that will occur on the same day or two consecutive days where the customer will ensure key users are able to participate.</p>	\$6,600
1	<p>512 – System Training/Go-Live:</p> <p>This training includes the below training agenda.</p> <p>Because training is hands-on, the maximum class size is 20 attendees and includes a single training location. Additional training sessions and trainers can be added at an additional cost any time up to 4-weeks prior to your go-live.</p>	See below
1	<p>512a – Go-Live Week System Training - Asset Module (4 Hrs):</p> <p>Should include FASTER System Admin and Asset Managers.</p>	\$2,200
1	<p>512b – Go-Live Week System Training - Maintenance Module (4 Hrs):</p> <p>Should include FASTER System Admin, Maintenance Supervisor, Service Writers and/or Technician who will create work orders.</p>	\$2,200
1	<p>512c – Go-Live Week System Training - Parts Module (4 Hrs):</p> <p>Should include FASTER System Admin, Parts Staff and Parts Managers.</p>	\$2,200
1	<p>512d – Go-Live Week System Training - Fuel Module (1 Hr):</p> <p>Should include FASTER System Admin and Fuel Clerk.</p>	\$550
1	<p>512e – Go-Live Week System Training - Vendors &amp; Accounting Modules (1.5 Hrs):</p> <p>Should include FASTER System Admin, Accounting Staff and Parts Managers.</p>	\$825
2	<p>512f – Go-Live Week System Training - Technician Workstation (2.5 Hrs):</p> <p>Should include FASTER System Admin and Technicians.</p>	\$1,375

1	<p>512g – Go-Live Week System Training - Additional Trainers (TBD):</p> <p>The above training costs provide for one trainer the week of go live. One trainer can provide one session of each of the above hands-on, user training sessions with the exception of the Technician Workstation. (Two Technician Workstation sessions can be accommodated by a single trainer.) If you determine your training needs require additional training sessions due to shift work or other needs, an additional FASTER trainer can participate during the week of go live for an added cost.</p> <p>Therefore, it will be important for you to determine the total number of training sessions and trainers you will need in order to then calculate your total training cost. Each of the above training sessions are role-based. So it should be easy to determine how many staff you have for each role. Typically the largest training sessions are the Technician Workstation and Maintenance Module. Please remember that you may want your Technicians to attend more than the Technician Workstation training module.</p> <p>To calculate your additional training costs:</p> <ul style="list-style-type: none"> <li>-- The cost (including room, board and travel) of the 1st trainer is included in the above costs.</li> <li>-- Travel, room and board will be a flat cost of \$1,000 for each additional trainer.</li> <li>-- To calculate session costs, multiply the number of additional training sessions you need of each of the above session options by the cost of the training module as listed above (module session cost times how many instances of that module session you require).</li> <li>-- The above flat fee for travel, room and board of each additional trainer as well as the fees for the above training assume that training sessions will be held consecutively so as to minimize the number of days a trainer would need to be at your location. It also assumes there is no weekend stayover. If training will begin one week and extend into the next week, an additional \$1,000 per trainer would apply for travel, room and board (\$1,000 flat fee per trainer times the number of business weeks spanned).</li> </ul>	TBD
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Discounts		
1	<p>900 – Existing WIN Customer Discount</p> <p>Discount for Existing FASTER WIN Customers</p>	-\$4,000
1	<p>905ec – Existing FASTER WIN Customer Dashboard Discount</p>	-\$10,000
<b>Software &amp; Services Total</b>		<b>\$93,450</b>

Upgrades & Support		
1	<p>801 – Upgrades &amp; Support:</p> <p>Annual support after switch date. Annual support services are comprised of Software Cost, Add-Ons and Customizations. Migration annual support fee will require that FASTER Win will no longer be in use. The Initial FASTER Web annual support fee will be due 30 days after switch date. Any months remaining on FASTER Win support will be pro-rated and deducted from the initial year of FASTER Web support. After the initial renewal year, support costs will increase at 3% annually.</p>	<b>\$13,500</b>
<b>Upgrades &amp; Support Total</b>		<b>\$13,500</b>

Payment Schedule By Milestone		
Milestone	Percent Due	
Upon Purchase Confirmation	30%	
COTS Software Delivery	30%	

<b>COTS System Overview</b>	<b>20%</b>
<b>Delivery of Converted Data and Go Live</b>	<b>20%</b>
<b>Hourly Work: Hourly work is billed monthly.</b>	<b>TBD</b>

## Migration Data Conversion Product

After you have completed your data cleanup, it is important that you consider additional data preparation tasks and information that will aid you in preparing *FASTER* Win data to migrate effectively to a more robust and more structured *FASTER* Web database (DB) structure.

Below is detailed information.

After you deliver your clean *FASTER* Win database, *FASTER* begins the migration process.

After this point you will NOT be able to change data in the *FASTER* Win DB (other than daily transactions). Therefore, NO cleanup can be done after this point. So be sure all your data cleanup and prep is done prior to uploading your *FASTER* Win database to *FASTER*.

The migration process begins by *FASTER* creating and testing a test *FASTER* Web DB. This test migration DB is called a soft go-live DB. You will be provided this soft go-live DB for review and approval. Later, one week prior to go-live you will be able to provide to *FASTER* another *FASTER* Win DB so new transaction data can be included in the final go-live DB.

### Important Notes:

Once *FASTER* begins the migration work, you cannot do data cleanup or change data in your *FASTER* Win DB in any way other than to add transactions. If you do, you will risk your migration project timeline and could cause corruption or bad data or cause your organization to spend a great deal of time reversing those entries or create added cost.

There is currently a migration path from 5.69BR2 and above to *FASTER* Web. If you have a version of *FASTER* Win that is prior to 5.69BR2, you will need to upgrade to the latest version of *FASTER* in order to migrate to *FASTER* Web.

## Data that Will Migrate

The Migration Data Conversion Product is used for migrating data from COTS *FASTER* Win to *FASTER* Web. It does not include migrating data that relates or is the result of a use of *FASTER* Win Add-Ons unless specifically noted. For example, Item 2 below identifies that if you have the graphics add-on, then all your graphics will be brought over with the migration.

A Migration Data Conversion does not migrate data that is uniquely associated with the customizations you have. This will need to be addressed separately and potentially at an additional cost for a custom migration.

Below is a specific list of the categories of data that will be migrated during the Migration Data Conversion:

### 1. Equipment Inventory

- Birth Certificate
- Acquisition and Disposal
- Vehicle Replacement
- Warranty Records
- Preventative Maintenance
- History (Is regenerated post migration based on successfully migrated data)
- User Reference

## **2. Graphics (Attachments) and Notes**

### **3. Parts Inventory**

- Birth Certificate
- Warranty Records
- Parts History (Is Regenerated Post Migration Based on Successfully Migrated Data)
- Order Receipts
  - Parts Processing: Credits
- Transfers (Including Returns to Vendor)
- Interchangeable Part Numbers - IPN
- Vendors & Purchase Orders
- Parts Lists

### **4. Repair Types/Codes**

### **5. Work Orders/Independent Parts/Deferred Repairs**

- Transactional Detail
- Meter History
- Indirect Labor
  - Deferred Repairs
- Task Lists

### **6. Operational Cost/Fuel**

- Transactional Detail

### **7. Equipment Templates**

### **8. Billing History**

## **FASTER Web Handles Data Differently**

*FASTER* Web is a separate, distinct product from *FASTER* Win. It was designed to provide the best practices for a fleet's future needs. This means that some of the fields, forms, and processes of *FASTER* Win have been modified or changed. Instead of building *FASTER* Web to be similar to *FASTER* Win, we felt that building the best product (even if it deviated from *FASTER* Win) is what our customers needed. Therefore, please review the *FASTER* Web product and make sure that you are comfortable with the fact that some fields, forms, and processes are different. Below is a summary of some of those differences:

### **Field Names**

Some Field Names have shifted in *FASTER* web. A few examples of this include:

- Company changes to Organization
- Independent Issue changes to Direct Charge

- Equipment changes to Asset
- Table Look Up to Fields

Along these lines, the field names and data elements within are not identical between the two systems.

### **Applets No Longer Standalone**

In *FASTER* Web, Applets have been consolidated into modules that represent roles.

For instance:

- Work Order, Independent Parts Issue, Shop Floor Manager, Task Lists, and Indirect Labor Editor. These applets are in the Maintenance Module of *FASTER* Web.
- Part Inventory, Part Processing, Key Change and Parts Lists. These applets are in the Parts Module of *FASTER* Web.
- Equipment Inventory, Equipment Template, Equipment Ownership, Warranty Tracking, and Key Change. These applets are in the Assets Module of *FASTER* Web.

### **Process Changes**

- Budget account codes are required in *FASTER* Web to process all purchases. If account code usage was turned on in Win these codes are consolidated into a single migration code.
- *FASTER* Web does not support Last Receipt. Your costing method will be converted to Moving Average.
- Table codes are now called Fields and have had their descriptions extended in length.
- *FASTER* Win Table Lookups included two fields, both a field for Code and a field for Description. In *FASTER* Web some Table Look Ups only have a description because a Code and a Description were redundant. Some examples of this would be Color, Make, and Model. In some cases the data migration will append the WIN code and description into the WEB description.
- Field relabeling functionality is limited to specific fields in *FASTER* Web; however, the relabeled fields will carry through to the Reports and other Modules.
- Credits are no longer applied directly to a work order. They are added as a Billing Adjustment that shows on the work order print out.
- Lifetime Warranty cycle type 'L' will be migrated to *FASTER* Web as a warranty with a cycle type of 'Y' for Years and the Cycle Length in *FASTER* Win will be migrated over directly to *FASTER* Web's cycle length.
- Work Order Other Cost no longer requires a Repair Type. Therefore, the Asset History totals in Web do not consider the Repair Reason code from Win. All Work Order Costs are now displayed in the 'Other Cost' column in Web.
- *FASTER* Web does not provide batch entry functionality for work order related data.
- Since *FASTER* Web is a browser-based product you do not need to use a keyboard on a handheld scanner or a PDA. You can use the following to satisfy the need for manual data input while doing receiving, issuing, or inventory:
  1. A notebook computer running a compatible browser or a tablet running a compatible browser with a wireless card.



2. A wireless network in your parts room.
3. If you have the above, you can take your notebook or tablet with you when you do receiving, issuing, or inventory. You can enter directly into the notebook's or tablet's keyboard the quantity in real-time in *FASTER* Web. Therefore, when you buy a barcode scanner you can buy the less expensive scanner that does not have a keyboard.

#### **New Processes Supported in *FASTER* Web**

- Ability to have multiple contacts per asset in *FASTER* Web.
- Ability to have multiple standard specification types for the same asset in *FASTER* Web.
- Auto work order notification email for multiple statuses is available in *FASTER* Web.
  - Auto Shop Charges for multiple costs is available in *FASTER* Web.
- Ability to plan for acquisition in *FASTER* Web.
- Core tracking & returns functionality is available in *FASTER* Web.
- Two-step part transfer audit trail in *FASTER* Web.
- User required to validate meter readings before processing fuel in *FASTER* Web.
- Close out process for asset inventory counts in *FASTER* Web.
- Ability to use P-card(procurement cards) in *FASTER* Web.
- Ancillary PM, inspections, and renewals are tracked as Scheduled Actions in *FASTER* Web.

#### **Data Not Migrated**

A Migration Data Conversion does not migrate data that is uniquely associated with any customization you may have. This will need to be addressed separately and potentially at an additional cost for a custom migration. The data outlined below will NOT be migrated from *FASTER* Win to *FASTER* Web; But Functionality Is Available in *FASTER* Web.

#### **Data Not Migrated But Functionality Is Available in *FASTER* Web**

- Title Sets
- Equipment Account (EA Account)
- Billing Account (VBA Codes)
- Flat Rates
- Warranty Claims Tracking
- Backorders (only fully received orders are migrated)
- WRR (E-request repair requests from *FASTER* service center)
- RLS (Repair Labor Standard)
- Vendor Contact Cell Phone field
- F-Audit components: physical count adjustment, deleted orders, adjusted quantity, adjusted cost
- Dashboard KPI views and individual settings

#### **Data Not Migrated And Functionality Is Not Available in *FASTER* Web**

The below listed data is not migrated. And *FASTER* Web does not include the below features or functionality. Due to *FASTER* Web's improved design, some of this functionality is not necessary.

- Tank Inventory
- PM Scheduler Templates
- EOM History
- Work order estimates
- Quick buttons
- Work Order User Reference
- Max Issue from Parts
- EOQ, ABC, UCC
- Any customer created custom table codes (existing code will not be migrated & creating new ones is not supported in *FASTER* Web)
  - If you had *FASTER* develop any type of customization, usually financial, part of that development often included custom table codes that were used to identify customer specific data. These custom table codes are not migrated.

### Radio Assets Management

If you are using *FASTER* Win to manage radio assets, you are likely managing radio assets as a child asset of the fleet asset. While *FASTER* Web will provide the opportunity to manage radio can do it differently than in *FASTER* Win. Therefore, just as you customized *FASTER* Win to manage radio assets, you will want to customize *FASTER* Web to take advantage of its unique qualities. If you choose to manage radios separately from assets, this will likely require a second database and a second migration. This will be an added cost and is not part of the *FASTER* Win to *FASTER* Web migration. Please discuss your needs with us.

### Facilities Management

If you are using *FASTER* Win to manage facilities, there are some fundamental differences in the way you would manage facilities in *FASTER* Web. In general, you will find *FASTER* Web more robust. But in *FASTER* Web you will likely want to maximize your productivity by managing Facilities data in a separate DB from Fleet data. This requires a separate instance of *FASTER* Web (a second install of the *FASTER* Web application and a separate DB). And that does mean there is a higher cost. While you can avoid this added cost of a second Facilities DB and instance by putting your Facilities data in the same DB as your Fleet data; you will lose the ability to customize Facilities separate from Fleet data.

If you want Facilities data migrated from a Company in a *FASTER* Win DB to a *FASTER* Web DB, there will be the extra cost of a custom migration. This is not part of the *FASTER* Win to *FASTER* Web migration. Please discuss your needs with us.

# CIP Detail Project Report FY 2018 - FY 2022



CIP Fiscal Year Period FY 2018 - FY 2022

Fund: 421 Dept/Div: 4010

CIP #: CP-PW-18-FE Project #: 3540-001 Account #: 52-00 CIP Classification: Operating District: City

Project Name: FLEET FASTER ASSET UPGRADE TO FASTER WEB

FY Start 2018 Quarter Q4

Project Location: Cocoa Fleet

FY End 2018 Quarter Q1

## Project Description

This is a full software upgrade a full database migration from FASTER WIN to FASTER WEB. This is Faster Asset Solutions upgrade to it latest FLEET MANAGEMENT SOFTWARE SOLUTION. This is Cocoa Fleet next tool for a ever growing Fleet. The system uses our current database and all the data that has been collected over the past 14 years.

## Project Justification

Cocoa Fleet has been using Faster Asset Solutions since 2004 this was Fasters client based windows solution the system is 14 years old. The new software architecture is WEB giving greater functionality, greater software integration with a host of other enterprise software solutions with KPI functionality. This is the next tool Cocoa Fleet Management software needs FASTER Web, is the most powerful and technologically advanced fleet management system on the market. While other vendors offer web-enabled solutions that were developed with early stage web technologies, FASTER Web was developed based on current platforms from the ground up for a true web experience that offers better load times, better search capability and a true user experience that does not rely on endless scrolling or screen jumping.

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date	2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
\$26,725	\$0		\$0	\$0	\$0	\$0

## Recurring Annual Costs

Operating	\$13,500
Maintenance	\$0
Personal	\$0
Other Non-Capital	\$0

Total Recurring Costs \$13,500

## Capital Costs and Proposed Financing by Fiscal Year

2018	\$0	\$0 this FY
2019	\$26,725	Combination
2020	\$0	\$0 this FY
2021	\$0	\$0 this FY
2022	\$0	\$0 this FY

Total Capital Costs \$26,725

## Financing Comments

This would be a 50/50 split between general and enterprise funds. Fleet service vehicle and equipment in all three funds

CIE\_Designation ☐

# CIP Detail Project Report FY 2018 - FY 2022



CIP Fiscal Year Period FY 2018 - FY 2022

Fund: 421 Dept/Div: 4010

CIP #: CP-WS-18-AF Project #: WS16UP Account #: 31-00 CIP Classification: Professional Services District: WS-Outside City

Project Name: Utility Privatization Services FY Start 2018 Quarter Q4

Project Location: Cocoa Beach and Cape Canaveral FY End 2018 Quarter Q1

## Project Description

Service assistance for Patrick Air Force Base and Cape Canaveral Air Force Station privatization, which includes a two phase approach. Phase I includes development of RFQ response and Phase II is for contract negotiation.

## Project Justification

Project area is with the City's Franchise Area and the City currently provides water to these bases.

Strategic Connection: Strategic Plan/Utilities Master Plan

NA

Total Cost of Project	Total Cost to Date
\$1,442,935	\$44,145

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	\$1,398,790	\$0	\$0	\$0

## Recurring Annual Costs

Operating	\$0
Maintenance	\$0
Personal	\$0
Other Non-Capital	\$0
<b>Total Recurring Costs</b>	<b>\$0</b>

## Capital Costs and Proposed Financing by Fiscal Year

2018	\$1,398,790	Revenue
2019	\$0	\$0 this FY
2020	\$0	\$0 this FY
2021	\$0	\$0 this FY
2022	\$0	\$0 this FY

## Financing Comments

Phase I carry forward from FY17 in the amount of \$1,398,790.

Total Capital Costs \$1,398,790

CIE\_Designation ☐

# CIP Detail Project Report FY 2018 - FY 2022



CIP Fiscal Year Period FY 2018 - FY 2022

Fund: 421 Dept/Div: 4020

CIP #: CP-WS-18-AT Project #: WS18AS Account #: 63-00 CIP Classification: Infrastructure District: WS-Outside City

Project Name: Automatic Transfer Switch (ATS) Replacement at the TCR Pump Station FY Start 2018 Quarter Q3

Project Location: TCR Pump Station FY End 2018 Quarter Q1

## Project Description

The project includes the replacement of the ATS at the TCR Pump Station which upon a power outage starts the backup power generator and transfers the power feed to the pumps from the main utility to the generator. The ATS failed over a year ago and an assessment was conducted which concluded it was not repairable.

## Project Justification

This project is to replace the existing ATS with a new unit.

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date	2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
\$200,000	\$0		\$0	\$0	\$200,000	\$0

## Recurring Annual Costs

Operating	\$0
Maintenance	\$200
Personal	\$0
Other Non-Capital	\$0
<b>Total Recurring Costs</b>	<b>\$200</b>

## Capital Costs and Proposed Financing by Fiscal Year

		Revenue
2018	\$200,000	
2019	\$0	\$0 this FY
2020	\$0	\$0 this FY
2021	\$0	\$0 this FY
2022	\$0	\$0 this FY

Total Capital Costs \$200,000

## Financing Comments

30 years or greater useful life

CIE\_Designation ☐

# CIP Detail Project Report FY 2018 - FY 2022



CIP Fiscal Year Period FY 2018 - FY 2022

Fund: 421 Dept/Div: 4020

CIP #: CP-WS-18-CI Project #: WS1117 Account #: 63-00 CIP Classification: Infrastructure District: WS-Outside City  
 Project Name: Computerized Maintenance Management System (CMMS) Implementation FY Start 2018 Quarter Q4  
 Project Location: Dyal FY End 2018 Quarter Q1

## Project Description

This project will provide assistance to the City for the purchase and vendor implementation of a computer maintenance and management system (CMMS) package.

## Project Justification

Provide CMMS support to populate the database and provide enhancements.

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date	2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
\$200,000	\$0		\$0	\$0	\$0	\$200,000

## Recurring Annual Costs

Operating	\$6,000
Maintenance	\$5,000
Personal	\$0
Other Non-Capital	\$0
<b>Total Recurring Costs</b>	<b>\$11,000</b>

## Capital Costs and Proposed Financing by Fiscal Year

2018	\$200,000	Revenue
2019	\$0	\$0 this FY
2020	\$0	\$0 this FY
2021	\$0	\$0 this FY
2022	\$0	\$0 this FY

## Financing Comments

We estimate roughly \$5,000/year in maintenance for programming assistance for the first two or three years.  
 Budgeted in account:  
 68-10 = 75,000  
 52-00 = 135,000

Total Capital Costs \$200,000

CIE\_Designation ☐

# CIP Detail Project Report FY 2018 - FY 2022



CIP Fiscal Year Period FY 2018 - FY 2022

Fund: 421 Dept/Div: 4020

CIP #: CP-WS-18-AI Project #: WS18DW Account #: 63-00 CIP Classification: Infrastructure District: WS-Outside City

Project Name: Drinking Water System E&IC Reliability and Automation Improvements FY Start 2018 Quarter Q4

Project Location: Various FY End 2022 Quarter Q1

## Project Description

Evaluate, design, purchase, build, programming and startup for electrical and I&C improvements at various locations to provide better automation and improved reliability. Improvements may include: power monitoring, report enhancement, redundant instrumentation, automating manual systems, control wiring for final control element feedback, and adding actuators to allow remote operation.

## Project Justification

To provide improvements that will better automation and improved reliability.

Strategic Connection: Strategic Plan/Utilities Master Plan

Project will improve reliability and better automation.

Total Cost of Project	Total Cost to Date	2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
\$1,250,000	\$0		\$0	\$0	\$0	\$250,000

## Recurring Annual Costs

Operating	\$0
Maintenance	\$0
Personal	\$0
Other Non-Capital	\$0
<b>Total Recurring Costs</b>	<b>\$0</b>

## Capital Costs and Proposed Financing by Fiscal Year

2018	\$250,000	Revenue
2019	\$250,000	Revenue
2020	\$250,000	Revenue
2021	\$250,000	Revenue
2022	\$250,000	Revenue

Total Capital Costs \$1,250,000

## Financing Comments

CIE\_Designation ☐



# CIP Detail Project Report FY 2018 - FY 2022



CIP Fiscal Year Period FY 2018 - FY 2022

Fund: 421 Dept/Div: 4020

CIP #: CP-WS-18-GC Project #: WS18DG Account #: 63-00 CIP Classification: Infrastructure District: WS-Outside City

Project Name: Dyal Groundwater Clearwell Transfer Pump Control System Upgrade FY Start 2018 Quarter Q4

Project Location: Dyal WTP FY End 2018 Quarter Q1

## Project Description

Specify equipment, procurement, installation and testing to upgrade the Dyal groundwater clearwell transfer pump control system.

## Project Justification

The project has reached the end of its useful life.

Strategic Connection: Strategic Plan/Utilities Master Plan

N/A

Total Cost of Project	Total Cost to Date	2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
\$170,000	\$0		\$0	\$0	\$170,000	\$0

## Recurring Annual Costs

Operating	\$0
Maintenance	\$100
Personal	\$0
Other Non-Capital	\$0

Total Recurring Costs \$100

## Capital Costs and Proposed Financing by Fiscal Year

2018	\$170,000	Revenue
2019	\$0	\$0 this FY
2020	\$0	\$0 this FY
2021	\$0	\$0 this FY
2022	\$0	\$0 this FY

Total Capital Costs \$170,000

## Financing Comments

Construction begins 10/17 ends 7/18  
\$100/year maintenance cost for SCADA "back-up"

CIE\_Designation ☐

# CIP Detail Project Report FY 2018 - FY 2022



CIP Fiscal Year Period FY 2018 - FY 2022

Fund: 421 Dept/Div: 4020

CIP #: CP-WS-18-RC Project #: WS18DP Account #: 63-00 CIP Classification: Infrastructure District: WS-Outside City  
 Project Name: Dyal Groundwater WTP Reactor Clarifier No. 1 Pipeline Replacement - Construction FY Start: 2018 Quarter: Q4  
 Project Location: Dyal WTP FY End: 2018 Quarter: Q2

## Project Description

This project will replace the existing 48-inch pipe which is a single point of failure. The project improvements were developed based on assessment results.

## Project Justification

The existing pipe is severely corroded and at risk of failure.

## Strategic Connection: Strategic Plan/Utilities Master Plan

Project will replace aging infrastructure.

Total Cost of Project	Total Cost to Date	2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
\$330,000	\$0		\$0	\$0	\$330,000	\$0

## Recurring Annual Costs

Operating	\$0
Maintenance	\$0
Personal	\$0
Other Non-Capital	\$0

Total Recurring Costs \$0

## Capital Costs and Proposed Financing by Fiscal Year

2018	\$330,000	Bond
2019	\$0	\$0 this FY
2020	\$0	\$0 this FY
2021	\$0	\$0 this FY
2022	\$0	\$0 this FY

Total Capital Costs \$330,000

## Financing Comments

Design being completed in FY17.

Construction to start 01/18 and will be completed in 07/18.

30 year or greater useful life

CIE\_Designation ☐

# CIP Detail Project Report FY 2018 - FY 2022



CIP Fiscal Year Period FY 2018 - FY 2022

Fund: 421 Dept/Div: 4020

CIP #: CP-WS-17-DG Project #: WS17LC Account #: 63-00 CIP Classification: Infrastructure District: WS-Outside City  
 Project Name: Dyal WTP Package System PLC Upgrade - Cal Flow FY Start 2018 Quarter Q3  
 Project Location: Dyal WTP FY End 2018 Quarter Q1

## Project Description

Design, bid, and construct a complete PLC upgrade to the cal flow system PLCs. Current PLCs are past the product line end of life.

## Project Justification

To replace existing aging infrastructure.

Strategic Connection: Strategic Plan/Utilities Master Plan

N/A

Total Cost of Project	Total Cost to Date	2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
\$90,000	\$0		\$0	\$0	\$0	\$90,000

## Recurring Annual Costs

Operating	\$0
Maintenance	\$100
Personal	\$0
Other Non-Capital	\$0

Total Recurring Costs \$100

## Capital Costs and Proposed Financing by Fiscal Year

2018	\$90,000	Revenue
2019	\$0	\$0 this FY
2020	\$0	\$0 this FY
2021	\$0	\$0 this FY
2022	\$0	\$0 this FY

Total Capital Costs \$90,000

## Financing Comments

Start 12/17 end 03/18  
 Project budget in FY17 but not expended, therefore rebudget for FY18.  
 \$100/year maintenance cost for SCADA "back-ups"

CIE\_Designation ☐

# CIP Detail Project Report FY 2018 - FY 2022



CIP Fiscal Year Period FY 2018 - FY 2022

Fund: 421 Dept/Div: 4020

CIP #: CP-WS-17-OZ Project #: WS17FC Account #: 63-00 CIP Classification: Infrastructure District: WS-Outside City

Project Name: Dyal WTP Package System Programmable Logic Controller Upgrade - Belt Filter Press FY Start 2018 Quarter Q3

Project Location: Dyal WTP FY End 2018 Quarter Q1

## Project Description

Design, bid, and construct a complete PLC upgrade to the belt filter press system PLCs. Current PLCs have past the product line end of life.

## Project Justification

To replace existing aging infrastructure.

## Strategic Connection: Strategic Plan/Utilities Master Plan

This project will replace existing aging infrastructure.

Total Cost of Project	Total Cost to Date	2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
\$160,000	\$0		\$0	\$0	\$0	\$160,000

## Recurring Annual Costs

Operating	\$0
Maintenance	\$0
Personal	\$0
Other Non-Capital	\$0

Total Recurring Costs \$0

## Capital Costs and Proposed Financing by Fiscal Year

2018	\$160,000	Revenue
2019	\$0	\$0 this FY
2020	\$0	\$0 this FY
2021	\$0	\$0 this FY
2022	\$0	\$0 this FY

Total Capital Costs \$160,000

## Financing Comments

Start 11/17 end 04/18Project budget in FY17 but not expended, therefore rebudget for FY18.

CIE\_Designation ☐

# CIP Detail Project Report FY 2018 - FY 2022



CIP Fiscal Year Period FY 2018 - FY 2022

Fund: 421 Dept/Div: 4020

CIP #: CP-WS-18-SU Project #: WS18SC Account #: 63-00 CIP Classification: Infrastructure District: WS-Outside City

Project Name: Dyal WTP SCADA server, OS and Server Software Upgrade

FY Start 2018 Quarter Q4

Project Location: Dyal WTP

FY End 2022 Quarter Q1

## Project Description

Specify equipment, procurement, installation, and testing of the Dyal SCADA server OS and service software replacement and improve the lack of storage for GIS at Utilities and CCTV for WFO. Re-purpose existing servers into City use in other non-critical applications. Includes the use of a cluster server environment for mission critical SCADA servers.

## Project Justification

This will replace three control critical productions servers and repurpose servers into the City to use in other non critical applications.

Strategic Connection: Strategic Plan/Utilities Master Plan

N/A

Total Cost of Project	Total Cost to Date
\$340,000	\$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	\$0	\$0	\$0	\$170,000

## Recurring Annual Costs

Operating	\$0
Maintenance	\$1,000
Personal	\$0
Other Non-Capital	\$0
<b>Total Recurring Costs</b>	<b>\$1,000</b>

## Capital Costs and Proposed Financing by Fiscal Year

2018	\$170,000	Revenue
2019	\$0	\$0 this FY
2020	\$0	\$0 this FY
2021	\$0	\$0 this FY
2022	\$170,000	Revenue

## Financing Comments

Recurring 4 year life cycle.  
Budgeted in accounts:  
64-15 = \$50,000  
52-00 = \$120,000  
\$1000/ year Maintenance cost for back up and Storage.

Total Capital Costs \$340,000

CIE\_Designation ☐

# CIP Detail Project Report FY 2018 - FY 2022



CIP Fiscal Year Period FY 2018 - FY 2022

Fund: 421 Dept/Div: 4020

CIP #: CP-WS-17-WC Project #: Account #: 68-10 CIP Classification: Software District: WS-Outside City  
 Project Name: FY2020 SCADA Design Programming (Water Capital Project) FY Start 2020 Quarter Q4  
 Project Location: Dyal WTP FY End 2020 Quarter Q1

## Project Description

this includes programming support for design projects that are in the construction phase of work.

## Project Justification

To provide support for implementation of project instrumentation and controls into the City's SCADA network.

## Strategic Connection: Strategic Plan/Utilities Master Plan

This project is necessary to implement project instrumentation and controls into the City's SCADA network.

Total Cost of Project	Total Cost to Date	2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
\$120,000	\$0		\$0	\$0	\$0	\$0

## Recurring Annual Costs

Operating	\$0
Maintenance	\$0
Personal	\$0
Other Non-Capital	\$0

Total Recurring Costs \$0

## Capital Costs and Proposed Financing by Fiscal Year

2018	\$0	\$0 this FY
2019	\$0	\$0 this FY
2020	\$120,000	Revenue
2021	\$0	\$0 this FY
2022	\$0	\$0 this FY

Total Capital Costs \$120,000

## Financing Comments

CIE\_Designation ☐

# CIP Detail Project Report FY 2018 - FY 2022



CIP Fiscal Year Period FY 2018 - FY 2022

Fund: 421 Dept/Div: 4020

CIP #: CP-WS-17-CA Project #: Account #: 63-00 CIP Classification: Infrastructure District: WS-Outside City

Project Name: FY2021 SCADA Design Programming (Water Capital Project)

FY Start 2021 Quarter Q4

Project Location: Dyal WTP

FY End 2021 Quarter Q1

## Project Description

This includes programming support for design projects that are in the construction phase of work.

## Project Justification

To provide support for implementation of project instrumentation and controls into the City's SCADA network.

## Strategic Connection: Strategic Plan/Utilities Master Plan

This project is necessary to implement project instrumentation and controls into the City's SCADA network.

Total Cost of Project	Total Cost to Date	2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
\$60,000	\$0		\$0	\$0	\$0	\$0

## Recurring Annual Costs

Operating	\$0
Maintenance	\$0
Personal	\$0
Other Non-Capital	\$0

Total Recurring Costs \$0

## Capital Costs and Proposed Financing by Fiscal Year

2018	\$0	\$0 this FY
2019	\$0	\$0 this FY
2020	\$0	\$0 this FY
2021	\$60,000	Revenue
2022	\$0	\$0 this FY

Total Capital Costs \$60,000

## Financing Comments

CIE\_Designation ☐



# CIP Detail Project Report FY 2018 - FY 2022



CIP Fiscal Year Period FY 2018 - FY 2022

Fund: 421 Dept/Div: 4020

CIP #: CP-WS-18-SD Project #: Account #: 68-10 CIP Classification: Software District: WS-Outside City  
 Project Name: FY2022 SCADA Design Programming (Water Capital Project) FY Start 2022 Quarter Q4  
 Project Location: Dyal WTP FY End 2022 Quarter Q1

## Project Description

this includes programming support for design projects that are in the construction phase of work.

## Project Justification

To provide support for implementation of project instrumentation and controls into the City's SCADA network.

Strategic Connection: Strategic Plan/Utilities Master Plan

N/A

Total Cost of Project	Total Cost to Date	2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
\$120,000	\$0		\$0	\$0	\$0	\$0

## Recurring Annual Costs

Operating	\$0
Maintenance	\$0
Personal	\$0
Other Non-Capital	\$0

Total Recurring Costs \$0

## Capital Costs and Proposed Financing by Fiscal Year

2018	\$0	\$0 this FY
2019	\$0	\$0 this FY
2020	\$0	\$0 this FY
2021	\$0	\$0 this FY
2022	\$120,000	Revenue

Total Capital Costs \$120,000

## Financing Comments

CIE\_Designation ☐

# CIP Detail Project Report FY 2018 - FY 2022



CIP Fiscal Year Period FY 2018 - FY 2022

Fund: 421 Dept/Div: 4020

CIP #: CP-WS-17-V6 Project #: Account #: 64-00 CIP Classification: Machinery & Equipment District: WS-Outside City  
 Project Name: Replacement of vehicle #03 (2008 Ford F250) FY Start 2018 Quarter Q4  
 Project Location: Dyal Water Treatment Plant FY End 2018 Quarter Q4

## Project Description

Replacement of vehicle #03 (2008 Ford F250) Serial# 1FTNF21508EA79209

## Project Justification

The City of Cocoa Capital Improvement Program implements a systematic replacement of vehicles and equipment to minimize repair & maintenance cost and vehicle equipment down time. The purchase of new vehicles is designed to reduce vehicle obsolescence, safety, parts accessibility and more efficient vehicles.

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date	2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
\$32,900	\$0		\$0	\$0	\$0	\$32,900

## Recurring Annual Costs

Operating	\$0
Maintenance	\$0
Personal	\$0
Other Non-Capital	\$0
<b>Total Recurring Costs</b>	<b>\$0</b>

## Capital Costs and Proposed Financing by Fiscal Year

2018	\$32,900	Revenue
2019	\$0	\$0 this FY
2020	\$0	\$0 this FY
2021	\$0	\$0 this FY
2022	\$0	\$0 this FY

## Financing Comments

Replace date: 08/09/2018

Total Capital Costs \$32,900

CIE\_Designation ☐

# CIP Detail Project Report FY 2018 - FY 2022



CIP Fiscal Year Period FY 2018 - FY 2022

Fund: 421 Dept/Div: 4020

CIP #: CP-WS-17-V7 Project #: Account #: 64-00 CIP Classification: Machinery & Equipment District: WS-Outside City  
 Project Name: Replacement of vehicle #121 (2007 Ford F250 UTILITY) FY Start 2018 Quarter Q4  
 Project Location: Dyal Water Treatment Plant FY End 2018 Quarter Q4

## Project Description

Replacement of vehicle #121 (2007 Ford F250 UTILITY) Serial# 1FTNF20578EA79208

## Project Justification

The City of Cocoa Capital Improvement Program implements a systematic replacement of vehicles and equipment to minimize repair & maintenance cost and vehicle equipment down time. The purchase of new vehicles is designed to reduce vehicle obsolescence, safety, parts accessibility and more efficient vehicles.

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date	2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
\$34,500	\$0		\$0	\$0	\$0	\$34,500

## Recurring Annual Costs

Operating	\$0
Maintenance	\$0
Personal	\$0
Other Non-Capital	\$0

Total Recurring Costs \$0

## Capital Costs and Proposed Financing by Fiscal Year

2018	\$34,500	Revenue
2019	\$0	\$0 this FY
2020	\$0	\$0 this FY
2021	\$0	\$0 this FY
2022	\$0	\$0 this FY

Total Capital Costs \$34,500

## Financing Comments

Replace Date: 09/09/2018

CIE\_Designation ☐

# CIP Detail Project Report FY 2018 - FY 2022



CIP Fiscal Year Period FY 2018 - FY 2022

Fund: 421 Dept/Div: 4020

CIP #: CP-WS-17-V11 Project #: Account #: 64-00 CIP Classification: Machinery & Equipment District: WS-Outside City

Project Name: Replacement of vehicle #130 (2010 Ford F250 UTILITY) FY Start 2019 Quarter Q4

Project Location: Dyal Water Treatment Plant FY End 2019 Quarter Q4

## Project Description

Replacement of vehicle #130 (2010 Ford F250 UTILITY) Serial# 1FTNF2A5XAEB36439

## Project Justification

The City of Cocoa Capital Improvement Program implements a systematic replacement of vehicles and equipment to minimize repair & maintenance cost and vehicle equipment down time. The purchase of new vehicles is designed to reduce vehicle obsolescence, safety, parts accessibility and more efficient vehicles.

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
\$34,975	\$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	\$0	\$0	\$0	\$0

## Recurring Annual Costs

Operating	\$0
Maintenance	\$0
Personal	\$0
Other Non-Capital	\$0
<b>Total Recurring Costs</b>	<b>\$0</b>

## Capital Costs and Proposed Financing by Fiscal Year

2018	\$0	\$0 this FY
2019	\$34,975	Revenue
2020	\$0	\$0 this FY
2021	\$0	\$0 this FY
2022	\$0	\$0 this FY

## Financing Comments

Replace Date: 08/08/2019

Total Capital Costs \$34,975

CIE\_Designation ☐

# CIP Detail Project Report FY 2018 - FY 2022



CIP Fiscal Year Period FY 2018 - FY 2022

Fund: 421 Dept/Div: 4020

CIP #: CP-WS-17-V10 Project #: Account #: 64-00 CIP Classification: Machinery & Equipment District: WS-Outside City  
 Project Name: Replacement of vehicle #23 (2009 Ford F250 UTILITY) FY Start 2019 Quarter Q3  
 Project Location: Dyal Water Treatment Plant FY End 2019 Quarter Q3

## Project Description

Replacement of vehicle #23 (2009 Ford F250 UTILITY) Serial# 1FTNF20589EA32027

## Project Justification

The City of Cocoa Capital Improvement Program implements a systematic replacement of vehicles and equipment to minimize repair & maintenance cost and vehicle equipment down time. The purchase of new vehicles is designed to reduce vehicle obsolescence, safety, parts accessibility and more efficient vehicles.

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date	2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
\$34,975	\$0		\$0	\$0	\$0	\$0

## Recurring Annual Costs

Operating	\$0
Maintenance	\$0
Personal	\$0
Other Non-Capital	\$0
<b>Total Recurring Costs</b>	<b>\$0</b>

## Capital Costs and Proposed Financing by Fiscal Year

2018	\$0	\$0 this FY
2019	\$34,975	Revenue
2020	\$0	\$0 this FY
2021	\$0	\$0 this FY
2022	\$0	\$0 this FY

## Financing Comments

Replace Date: 06/09/2019

Total Capital Costs \$34,975

CIE\_Designation ☐

# CIP Detail Project Report FY 2018 - FY 2022



CIP Fiscal Year Period FY 2018 - FY 2022

Fund: 421 Dept/Div: 4020

CIP #: CP-WS-15-LN Project #: Account #: 64-00 CIP Classification: Machinery & Equipment District: WS-Outside City  
 Project Name: Replacement of vehicle #47 (1996 Ford LNT8000) FY Start 2020 Quarter Q2  
 Project Location: Dyal WTP FY End 2020 Quarter Q2

## Project Description

Replacement of vehicle #47 (1996 Ford LNT8000) Serial# 1FDYW82E1TVA27431

## Project Justification

The City of Cocoa Capital Improvement Program implements a systematic replacement of vehicles and equipment to minimize repair & maintenance cost and vehicle equipment down time. The purchase of new vehicles is designed to reduce vehicle obsolescence, safety, parts accessibility and more efficient vehicles.

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
\$250,000	\$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	\$0	\$0	\$0	\$0

## Recurring Annual Costs

Operating	\$0
Maintenance	\$0
Personal	\$0
Other Non-Capital	\$0

Total Recurring Costs	\$0
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## Capital Costs and Proposed Financing by Fiscal Year

2018	\$0	\$0 this FY
2019	\$0	\$0 this FY
2020	\$250,000	Revenue
2021	\$0	\$0 this FY
2022	\$0	\$0 this FY

Total Capital Costs	\$250,000
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## Financing Comments

Replace Date: 01/30/2020

CIE\_Designation ☐

# CIP Detail Project Report FY 2018 - FY 2022



CIP Fiscal Year Period FY 2018 - FY 2022

Fund: 421 Dept/Div: 4020

CIP #: CP-WS-17-V8 Project #: Account #: 64-00 CIP Classification: Machinery & Equipment District: WS-Outside City  
 Project Name: Replacement of vehicle #78 (2004 Ford F250 UTILITY) FY Start 2018 Quarter Q4  
 Project Location: Dyal Water Treatment Plant FY End 2018 Quarter Q4

## Project Description

Replacement of vehicle #78 (2004 Ford F250 UTILITY) Serial# 1FDNF20L94EB73420

## Project Justification

The City of Cocoa Capital Improvement Program implements a systematic replacement of vehicles and equipment to minimize repair & maintenance cost and vehicle equipment down time. The purchase of new vehicles is designed to reduce vehicle obsolescence, safety, parts accessibility and more efficient vehicles.

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date	2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
\$34,500	\$0		\$0	\$0	\$0	\$34,500

## Recurring Annual Costs

Operating	\$0
Maintenance	\$0
Personal	\$0
Other Non-Capital	\$0
<b>Total Recurring Costs</b>	<b>\$0</b>

## Capital Costs and Proposed Financing by Fiscal Year

2018	\$34,500	Revenue
2019	\$0	\$0 this FY
2020	\$0	\$0 this FY
2021	\$0	\$0 this FY
2022	\$0	\$0 this FY

## Financing Comments

Replace Date: 09/09/2018

Total Capital Costs \$34,500

CIE\_Designation ☐



# CIP Detail Project Report FY 2018 - FY 2022



CIP Fiscal Year Period FY 2018 - FY 2022

Fund: 421 Dept/Div: 4020

CIP #: CP-WS-17-V9 Project #: Account #: 64-00 CIP Classification: Machinery & Equipment District: WS-Outside City  
 Project Name: Replacement of vehicle #94 (2005 Ford F250 UTILITY) FY Start 2018 Quarter Q4  
 Project Location: Dyal Water Treatment Plant FY End 2018 Quarter Q4

## Project Description

Replacement of vehicle #94 (2005 Ford F250 UTILITY) Serial# 1FTNF20505EC87460

## Project Justification

The City of Cocoa Capital Improvement Program implements a systematic replacement of vehicles and equipment to minimize repair & maintenance cost and vehicle equipment down time. The purchase of new vehicles is designed to reduce vehicle obsolescence, safety, parts accessibility and more efficient vehicles.

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date	2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
\$34,500	\$0		\$0	\$0	\$0	\$34,500

## Recurring Annual Costs

Operating	\$0
Maintenance	\$0
Personal	\$0
Other Non-Capital	\$0
<b>Total Recurring Costs</b>	<b>\$0</b>

## Capital Costs and Proposed Financing by Fiscal Year

2018	\$34,500	Revenue
2019	\$0	\$0 this FY
2020	\$0	\$0 this FY
2021	\$0	\$0 this FY
2022	\$0	\$0 this FY

## Financing Comments

Replace Date: 09/09/2018

Total Capital Costs \$34,500

CIE\_Designation ☐

# CIP Detail Project Report FY 2018 - FY 2022



CIP Fiscal Year Period FY 2018 - FY 2022

Fund: 421 Dept/Div: 4020

CIP #: CP-WS-16-WR Project #: WS1106 Account #: 63-00 CIP Classification: Infrastructure District: City

Project Name: WS-19 Raw Water Well Rehabilitation FY Start 2018 Quarter Q4

Project Location: Wellfield FY End 2022 Quarter Q1

## Project Description

This project is to assess the scope of well rehabilitation on a case by case basis and implement construction modifications to rehabilitate each well. Each well will be brought back to full discharge capacity and produce high raw water quality.

## Project Justification

Cocoa currently has 48 raw water wells. Of the 48 wells, 34 wells are Floridian aquifer wells and are in need of rehabilitation. The wells are the very life blood of the utility system and the wells are critical to providing every potable water user the very water they drink. Many of the wells are over twenty years of age. The capacity of the wells has decreased over time due to casing leaks and other issues. The decrease in capacity also increases the wear on the pumps and requires more electrical power, thereby increasing the operational costs. Also, some of the wells have some water quality issues. The cost of rehabilitating the wells can extend the useful life by many years as opposed to drilling a new well.

## Strategic Connection: Strategic Plan/Utilities Master Plan

Project will rehabilitate groundwater supply wells critical to the meeting water demands of Cocoa Utility customers

Total Cost of Project	Total Cost to Date	2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
\$2,838,979	\$1,588,979		\$0	\$0	\$250,000	\$0

## Recurring Annual Costs

Operating	\$0
Maintenance	\$0
Personal	\$0
Other Non-Capital	\$0

Total Recurring Costs \$0

## Capital Costs and Proposed Financing by Fiscal Year

2018	\$250,000	Revenue
2019	\$250,000	Revenue
2020	\$250,000	Revenue
2021	\$250,000	Revenue
2022	\$250,000	Revenue

Total Capital Costs \$1,250,000

## Financing Comments

Construction; start 10/17, end 9/22

CIE\_Designation ☐

# CIP Detail Project Report FY 2018 - FY 2022



CIP Fiscal Year Period FY 2018 - FY 2022

Fund: 421 Dept/Div: 4020

CIP #: CP-WS-16-FC Project #: WS18SW Account #: 63-00 CIP Classification: Infrastructure District: City

Project Name: WT-56 Dyal Surface Water Filters Canopy and Enclosure

FY Start 2018 Quarter Q1

Project Location: Dyal WTP

FY End 2019 Quarter Q1

## Project Description

This project includes installing a canopy and screened enclosure around the surface water filters to meet FDEP requirements to maintain 4-log virus inactivation provided by the ozone system and filters.

## Project Justification

This project is to ensure continued compliance with the FDEP regulatory requirements for FDEP 4-log virus inactivation.

Strategic Connection: Strategic Plan/Utilities Master Plan

Project is required to meet FDEP regulations.

Total Cost of Project	Total Cost to Date	2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
\$450,000	\$0		\$39,000	\$0	\$379,000	\$0

## Recurring Annual Costs

Operating	\$0
Maintenance	\$500
Personal	\$0
Other Non-Capital	\$0
<b>Total Recurring Costs</b>	<b>\$500</b>

## Capital Costs and Proposed Financing by Fiscal Year

2018	\$418,000	Bond
2019	\$32,000	Bond
2020	\$0	\$0 this FY
2021	\$0	\$0 this FY
2022	\$0	\$0 this FY

## Financing Comments

\$39,000 Design; start 10/17, end 4/18  
\$411,000 Construction; start 7/18, end 12/18  
30 years or greater useful life

Total Capital Costs \$450,000

CIE\_Designation ☐

# CIP Detail Project Report FY 2018 - FY 2022



CIP Fiscal Year Period FY 2018 - FY 2022

Fund: 421 Dept/Div: 4020

CIP #: CP-WS-16-DE Project #: WS18DE Account #: 63-00 CIP Classification: Infrastructure District: WS-Outside City

Project Name: WT-57 Dyal HSP #4 Tier 4 Diesel Engine Replacement FY Start 2018 Quarter Q2

Project Location: Dyal WTP FY End 2019 Quarter Q2

## Project Description

This project includes replacement of the existing High Service Pump #4 diesel engine with an EPA Tier 4 diesel engine.

## Project Justification

This project will bring the diesel engine up to current code.

Strategic Connection: Strategic Plan/Utilities Master Plan

Project required to meet current code.

Total Cost of Project	Total Cost to Date	2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
\$970,000	\$0		\$98,000	\$0	\$0	\$0

## Recurring Annual Costs

Operating	\$6,760
Maintenance	\$2,964
Personal	\$0
Other Non-Capital	\$0

Total Recurring Costs \$9,724

## Capital Costs and Proposed Financing by Fiscal Year

2018	\$98,000	Bond
2019	\$872,000	Bond
2020	\$0	\$0 this FY
2021	\$0	\$0 this FY
2022	\$0	\$0 this FY

Total Capital Costs \$970,000

## Financing Comments

\$98,000 Design; start 01/18, end 07/18  
\$872,000 Construction; start 10/18, end 02/19  
30 years or greater useful life

CIE\_Designation ☐

# CIP Detail Project Report FY 2018 - FY 2022



CIP Fiscal Year Period FY 2018 - FY 2022

Fund: 421 Dept/Div: 4020

CIP #: CP-WS-18-DL Project #: Account #: 63-00 CIP Classification: Infrastructure District: WS-Outside City  
 Project Name: WT59 Dyal Dewatered Lime Sludge Storage Structure - Design and Construction FY Start 2019 Quarter Q4  
 Project Location: Dyal FY End 2019 Quarter Q1

## Project Description

The project includes design and construction of a concrete slab with curb and tarp system. This is to store dewatered lime sludge, long term storage until the sludge can be removed from the plant site. The area with tarp system will protect the sludge from rain and contamination from invasive weeds.

## Project Justification

The project will provide long term storage for the dewatered sludge.

Strategic Connection: Strategic Plan/Utilities Master Plan

N/A

Total Cost of Project	Total Cost to Date	2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
\$290,000	\$0		\$0	\$0	\$0	\$0

## Recurring Annual Costs

Operating	\$0
Maintenance	\$0
Personal	\$0
Other Non-Capital	\$0
<b>Total Recurring Costs</b>	<b>\$0</b>

## Capital Costs and Proposed Financing by Fiscal Year

2018	\$0	\$0 this FY
2019	\$290,000	Revenue
2020	\$0	\$0 this FY
2021	\$0	\$0 this FY
2022	\$0	\$0 this FY

## Financing Comments

30 years or greater useful life

Total Capital Costs \$290,000

CIE\_Designation ☐

# CIP Detail Project Report FY 2018 - FY 2022



CIP Fiscal Year Period FY 2018 - FY 2022

Fund: 421 Dept/Div: 4020

CIP #: CP-WS-18-LS Project #: WS18CB Account #: 63-00 CIP Classification: Infrastructure District: WS-Outside City

Project Name: WT69 Dyal Groundwater WTP Chemical Building New Lime Silo Stairway - Construction FY Start 2021 Quarter Q4

Project Location: Dyal WTP FY End 2022 Quarter Q2

## Project Description

The project includes a new stairway system to replace the existing ladder access system.

## Project Justification

Existing system represents safety hazard.

Strategic Connection: Strategic Plan/Utilities Master Plan

N/A

Total Cost of Project	Total Cost to Date	2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
\$420,000	\$0		\$0	\$0	\$0	\$0

## Recurring Annual Costs

Operating	\$0
Maintenance	\$0
Personal	\$0
Other Non-Capital	\$0

Total Recurring Costs \$0

## Capital Costs and Proposed Financing by Fiscal Year

2018	\$0	\$0 this FY
2019	\$0	\$0 this FY
2020	\$0	\$0 this FY
2021	\$0	\$0 this FY
2022	\$420,000	Revenue

Total Capital Costs \$420,000

## Financing Comments

CIE\_Designation ☐

# CIP Detail Project Report FY 2018 - FY 2022



CIP Fiscal Year Period FY 2018 - FY 2022

Fund: 421 Dept/Div: 4020

CIP #: CP-WS-18-DB Project #: Account #: 64-00 CIP Classification: Machinery & Equipment District: WS-Outside City

Project Name: WT70 Dyal WTP Surface Water Dewatering Building - Polymer System Upgrade-Construction FY Start 2022 Quarter Q4

Project Location: Dyal WTP FY End 2022 Quarter Q2

## Project Description

This project includes the update of the SWTP polymer feed system and associated controls. The scope also includes installation of a non-skid floor coating in the polymer room, replacement of failed fans in the first and second floor HVAC systems, replacement of the angle iron stair landing supports due to corrosion, and a control panel for the polymer system upstairs in the belt filter press room.

## Project Justification

The new liquid polymer system is to replace a dry product bagged system with liquid system. This will improve safety in the polymer room with non slip flooring. The project includes the update of HVAC system that has reached it's usual life and structural improvements as identified in recent corrosion study at the facility.

Strategic Connection: Strategic Plan/Utilities Master Plan

N/A

Total Cost of Project	Total Cost to Date
\$160,000	\$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	\$0	\$0	\$0	\$0

## Recurring Annual Costs

Operating	\$0
Maintenance	\$0
Personal	\$0
Other Non-Capital	\$0
<b>Total Recurring Costs</b>	<b>\$0</b>

## Capital Costs and Proposed Financing by Fiscal Year

2018	\$0	\$0 this FY
2019	\$0	\$0 this FY
2020	\$0	\$0 this FY
2021	\$0	\$0 this FY
2022	\$160,000	Revenue

## Financing Comments

Total Capital Costs \$160,000

CIE\_Designation ☐

# CIP Detail Project Report FY 2018 - FY 2022



**CIP Fiscal Year Period** FY 2018 - FY 2022

**Fund:** 421 **Dept/Div:** 4020

CIP #: CP-WS-18-DF Project #: WS18CP Account #: 63-00 CIP Classification: Infrastructure District: WS-Outside City  
 Project Name: WT71 Dyal Groundwater WTP Chemical Building - Two Disc Flow Pumps for Lime Feed System - Const. FY Start 2018 Quarter Q4  
 Project Location: Dyal WTP FY End 2018 Quarter Q1

## Project Description

This project includes installation of the third and fourth Disc Flow Pumps for the Lime Feed System including control wiring, speed, run/start/HOA/feedback.

## Project Justification

There are two existing lime feed pumps to serve three softening basins. One pump is needed for each basin plus a unit for standby. A total of four pumps is needed.

**Strategic Connection:** Strategic Plan/Utilities Master Plan

N/A

Total Cost of Project	Total Cost to Date	2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
\$300,000	\$0		\$0	\$0	\$300,000	\$0

## Recurring Annual Costs

Operating	\$0
Maintenance	\$200
Personal	\$0
Other Non-Capital	\$0
<b>Total Recurring Costs</b>	<b>\$200</b>

## Capital Costs and Proposed Financing by Fiscal Year

2018	\$300,000	Revenue
2019	\$0	\$0 this FY
2020	\$0	\$0 this FY
2021	\$0	\$0 this FY
2022	\$0	\$0 this FY

## Financing Comments

Construction to begin 12/17 will end 9/18  
 30 years or greater useful life

**Total Capital Costs** \$300,000

CIE\_Designation ☐



# CIP Detail Project Report FY 2018 - FY 2022



CIP Fiscal Year Period FY 2018 - FY 2022

Fund: 421 Dept/Div: 4020

CIP #: CP-WS-18-PS Project #: WS18UP Account #: 63-00 CIP Classification: Infrastructure District: WS-Outside City  
 Project Name: WT72 Dyal WTP server Uninterrupted Power Supply (UPS) Upgrade FY Start 2018 Quarter Q3  
 Project Location: Dyal WTP FY End 2018 Quarter Q2

## Project Description

This project includes specifying equipment, and the procurement, installation, and testing of the Dyal server UPS. This is to replace the UPS system with an upsized and more efficient system.

## Project Justification

To replace the existing aging UPS system to make it more efficient and update the technology.

Strategic Connection: Strategic Plan/Utilities Master Plan

N/A

Total Cost of Project	Total Cost to Date	2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
\$50,000	\$0		\$0	\$0	\$0	\$50,000

## Recurring Annual Costs

Operating	\$0
Maintenance	\$1,500
Personal	\$0
Other Non-Capital	\$0
<b>Total Recurring Costs</b>	<b>\$1,500</b>

## Capital Costs and Proposed Financing by Fiscal Year

2018	\$50,000	Revenue
2019	\$0	\$0 this FY
2020	\$0	\$0 this FY
2021	\$0	\$0 this FY
2022	\$0	\$0 this FY

## Financing Comments

start 1/18, end 4/18

Total Capital Costs \$50,000

CIE\_Designation ☐

# CIP Detail Project Report FY 2018 - FY 2022



CIP Fiscal Year Period FY 2018 - FY 2022

Fund: 421 Dept/Div: 4020

CIP #: CP-WS-18-PC Project #: Account #: 63-00 CIP Classification: Infrastructure District: WS-Outside City

Project Name: WT73 Dyal High Service Pump Control System Upgrade

FY Start 2022 Quarter Q4

Project Location: Dyal WTP

FY End 2022 Quarter Q1

## Project Description

This project includes redesigning the control panel wiring to create new local PCP PLC panel for increased reliability for the High Service Pumps.

## Project Justification

The project will increase reliability for the high service pumps.

Strategic Connection: Strategic Plan/Utilities Master Plan

N/A

Total Cost of Project	Total Cost to Date
\$140,000	\$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	\$0	\$0	\$0	\$0

## Recurring Annual Costs

Operating	\$0
Maintenance	\$0
Personal	\$0
Other Non-Capital	\$0

Total Recurring Costs \$0

## Capital Costs and Proposed Financing by Fiscal Year

2018	\$0	\$0 this FY
2019	\$0	\$0 this FY
2020	\$0	\$0 this FY
2021	\$0	\$0 this FY
2022	\$140,000	Revenue

Total Capital Costs \$140,000

## Financing Comments

CIE\_Designation ☐

# CIP Detail Project Report FY 2018 - FY 2022



CIP Fiscal Year Period FY 2018 - FY 2022

Fund: 421 Dept/Div: 4025

CIP #: CP-WS-17-V17 Project #: Account #: 64-00 CIP Classification: Machinery & Equipment District: City

Project Name: Replacement of vehicle #15 (2009 Ford F250 UTILITY) FY Start 2020 Quarter Q3

Project Location: Field Operations - Water FY End 2020 Quarter Q3

## Project Description

Replacement of vehicle #15 (2009 Ford F250 UTILITY) Serial# 1FTNF205X9EA32028

## Project Justification

The City of Cocoa Capital Improvement Program implements a systematic replacement of vehicles and equipment to minimize repair & maintenance cost and vehicle equipment down time. The purchase of new vehicles is designed to reduce vehicle obsolescence, safety, parts accessibility and more efficient vehicles.

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date	2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
\$38,100	\$0		\$0	\$0	\$0	\$0

## Recurring Annual Costs

Operating	\$0
Maintenance	\$0
Personal	\$0
Other Non-Capital	\$0

Total Recurring Costs \$0

## Capital Costs and Proposed Financing by Fiscal Year

2018	\$0	\$0 this FY
2019	\$0	\$0 this FY
2020	\$38,100	Revenue
2021	\$0	\$0 this FY
2022	\$0	\$0 this FY

Total Capital Costs \$38,100

## Financing Comments

Replace date: 04/09/2020

CIE\_Designation ☐

# CIP Detail Project Report FY 2018 - FY 2022



CIP Fiscal Year Period FY 2018 - FY 2022

Fund: 421 Dept/Div: 4025

CIP #: CP-WS-15-71 Project #: Account #: 64-00 CIP Classification: Machinery & Equipment District: City

Project Name: Replacement of vehicle #171 (2001 Ford F450 Dump)

FY Start 2018 Quarter Q4

Project Location: Field Operations - Water

FY End 2018 Quarter Q4

## Project Description

Replacement of vehicle #171 (2001 Ford F450 Dump) Serial# 1FDXF46F61EB81735

## Project Justification

The City of Cocoa Capital Improvement Program implements a systematic replacement of vehicles and equipment to minimize repair & maintenance cost and vehicle equipment down time. The purchase of new vehicles is designed to reduce vehicle obsolescence, safety, parts accessibility and more efficient vehicles.

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
\$49,241	\$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	\$0	\$0	\$0	\$49,241

## Recurring Annual Costs

Operating	\$0
Maintenance	\$0
Personal	\$0
Other Non-Capital	\$0
<b>Total Recurring Costs</b>	<b>\$0</b>

## Capital Costs and Proposed Financing by Fiscal Year

2018	\$49,241	Revenue
2019	\$0	\$0 this FY
2020	\$0	\$0 this FY
2021	\$0	\$0 this FY
2022	\$0	\$0 this FY

## Financing Comments

Replace Date: 09/06/2017-FY17City requested replacement date: 09/06/2018-FY18

Total Capital Costs \$49,241

CIE\_Designation ☐

# CIP Detail Project Report FY 2018 - FY 2022



CIP Fiscal Year Period FY 2018 - FY 2022

Fund: 421 Dept/Div: 4025

CIP #: CP-WS-16-V6 Project #: Account #: 64-00 CIP Classification: Machinery & Equipment District: City

Project Name: Replacement of vehicle #174 (2009 Ford F250 Utility)

FY Start 2020 Quarter Q4

Project Location: Field Operations - Water

FY End 2020 Quarter Q4

## Project Description

Replacement of vehicle #174 (2009 Ford F250 Utility) Serial# 1FTNF20519EA32029

## Project Justification

The City of Cocoa Capital Improvement Program implements a systematic replacement of vehicles and equipment to minimize repair & maintenance cost and vehicle equipment down time. The purchase of new vehicles is designed to reduce vehicle obsolescence, safety, parts accessibility and more efficient vehicles.

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
\$38,100	\$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	\$0	\$0	\$0	\$0

## Recurring Annual Costs

Operating	\$0
Maintenance	\$0
Personal	\$0
Other Non-Capital	\$0
<b>Total Recurring Costs</b>	<b>\$0</b>

## Capital Costs and Proposed Financing by Fiscal Year

2018	\$0	\$0 this FY
2019	\$0	\$0 this FY
2020	\$38,100	Revenue
2021	\$0	\$0 this FY
2022	\$0	\$0 this FY

## Financing Comments

Replace Date: 08/09/2020

Total Capital Costs \$38,100

CIE\_Designation ☐

# CIP Detail Project Report FY 2018 - FY 2022



CIP Fiscal Year Period FY 2018 - FY 2022

Fund: 421 Dept/Div: 4025

CIP #: CP-WS-15-29 Project #: Account #: 64-00 CIP Classification: Machinery & Equipment District: City

Project Name: Replacement of vehicle #29 (2002 Ford F450 Dump)

FY Start 2020 Quarter Q1

Project Location: Field Operations - Water

FY End 2020 Quarter Q1

## Project Description

Replacement of vehicle #29 (2002 Ford F450 Dump) Serial# 1FDXF46FX2EB83229

## Project Justification

The City of Cocoa Capital Improvement Program implements a systematic replacement of vehicles and equipment to minimize repair & maintenance cost and vehicle equipment down time. The purchase of new vehicles is designed to reduce vehicle obsolescence, safety, parts accessibility and more efficient vehicles.

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
\$70,900	\$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	\$0	\$0	\$0	\$0

## Recurring Annual Costs

Operating	\$0
Maintenance	\$0
Personal	\$0
Other Non-Capital	\$0
<b>Total Recurring Costs</b>	<b>\$0</b>

## Capital Costs and Proposed Financing by Fiscal Year

2018	\$0	\$0 this FY
2019	\$0	\$0 this FY
2020	\$70,900	Revenue
2021	\$0	\$0 this FY
2022	\$0	\$0 this FY

## Financing Comments

Replace Date: 11/09/2019

Total Capital Costs \$70,900

CIE\_Designation ☐

# CIP Detail Project Report FY 2018 - FY 2022



CIP Fiscal Year Period FY 2018 - FY 2022

Fund: 421 Dept/Div: 4025

CIP #: CP-WS-15-32 Project #: Account #: 64-00 CIP Classification: Machinery & Equipment District: City

Project Name: Replacement of vehicle #32 (2002 Ford F450 Dump)

FY Start 2020 Quarter Q4

Project Location: Field Operations - Water

FY End 2020 Quarter Q4

## Project Description

Replacement of vehicle #32 (2002 Ford F450 Dump) Serial# 1FDXF46F62EB83230

## Project Justification

The City of Cocoa Capital Improvement Program implements a systematic replacement of vehicles and equipment to minimize repair & maintenance cost and vehicle equipment down time. The purchase of new vehicles is designed to reduce vehicle obsolescence, safety, parts accessibility and more efficient vehicles.

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
\$71,900	\$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	\$0	\$0	\$0	\$0

## Recurring Annual Costs

Operating	\$0
Maintenance	\$0
Personal	\$0
Other Non-Capital	\$0
<b>Total Recurring Costs</b>	<b>\$0</b>

## Capital Costs and Proposed Financing by Fiscal Year

2018	\$0	\$0 this FY
2019	\$0	\$0 this FY
2020	\$71,900	Revenue
2021	\$0	\$0 this FY
2022	\$0	\$0 this FY

## Financing Comments

Replace Date: 07/09/2020

Total Capital Costs \$71,900

CIE\_Designation ☐

# CIP Detail Project Report FY 2018 - FY 2022



CIP Fiscal Year Period FY 2018 - FY 2022

Fund: 421 Dept/Div: 4025

CIP #: CP-WS-18-V1 Project #: Account #: 64-00 CIP Classification: Machinery & Equipment District: City

Project Name: Replacement of vehicle #79 (2002 Ford F450 Utility)

FY Start 2018 Quarter Q1

Project Location: Field Operations - Water

FY End 2018 Quarter Q1

## Project Description

Replacement of vehicle #79 (2002 Ford F450 Utility) Serial# 1FDXF46F82EB83228

## Project Justification

The City of Cocoa Capital Improvement Program implements a systematic replacement of vehicles and equipment to minimize repair & maintenance cost and vehicle equipment down time. The purchase of new vehicles is designed to reduce vehicle obsolescence, safety, parts accessibility and more efficient vehicles.

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
\$53,939	\$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	\$0	\$0	\$0	\$53,939

## Recurring Annual Costs

Operating	\$0
Maintenance	\$0
Personal	\$0
Other Non-Capital	\$0
<b>Total Recurring Costs</b>	<b>\$0</b>

## Capital Costs and Proposed Financing by Fiscal Year

2018	\$53,939	Revenue
2019	\$0	\$0 this FY
2020	\$0	\$0 this FY
2021	\$0	\$0 this FY
2022	\$0	\$0 this FY

## Financing Comments

Replace Date: 10/06/2017 - FY17City  
requested replacement date: 10/06/2018-FY18

Total Capital Costs \$53,939

CIE\_Designation ☐



# CIP Detail Project Report FY 2018 - FY 2022



CIP Fiscal Year Period FY 2018 - FY 2022

Fund: 421 Dept/Div: 4025

CIP #: CP-WS-15-92 Project #: Account #: 64-00 CIP Classification: Machinery & Equipment District: City

Project Name: Replacement of vehicle #92 (2008 Ford F350 Utility)

FY Start 2019 Quarter Q3

Project Location: Field Operations - Water

FY End 2019 Quarter Q3

## Project Description

Replacement of vehicle #92 (2008 Ford F350 Utility) Serial# 1FDWF36538EA18192

## Project Justification

The City of Cocoa Capital Improvement Program implements a systematic replacement of vehicles and equipment to minimize repair & maintenance cost and vehicle equipment down time. The purchase of new vehicles is designed to reduce vehicle obsolescence, safety, parts accessibility and more efficient vehicles.

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
\$76,900	\$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	\$0	\$0	\$0	\$0

## Recurring Annual Costs

Operating	\$0
Maintenance	\$0
Personal	\$0
Other Non-Capital	\$0
<b>Total Recurring Costs</b>	<b>\$0</b>

## Capital Costs and Proposed Financing by Fiscal Year

2018	\$0	\$0 this FY
2019	\$76,900	Revenue
2020	\$0	\$0 this FY
2021	\$0	\$0 this FY
2022	\$0	\$0 this FY

## Financing Comments

Replace Date: 06/29/2019

Total Capital Costs \$76,900

CIE\_Designation ☐

# CIP Detail Project Report FY 2018 - FY 2022



CIP Fiscal Year Period FY 2018 - FY 2022

Fund: 421 Dept/Div: 4055

CIP #: CP-WS-17-WP Project #: WS0501 Account #: 63-00 CIP Classification: Infrastructure District: WS-Outside City  
 Project Name: 14"/18" AC Raw Water Pipeline Upgrade and Well 17 Area Isolation Valves - Phase I Construction FY Start 2018 Quarter Q4  
 Project Location: Wellfield FY End 2019 Quarter Q2

## Project Description

Replacement of existing 14"& 18" AC Raw Water pipeline from Well 17 to Approx. Well 15, which has a history of pipe failures, with new 16" PVC pipe along the same alignment. Installation of in-line isolation valves on existing 36" pipeline adjacent to new redundant line.

## Project Justification

This project will replace existing aging infrastructure and increase reliability in the wellfield.

Strategic Connection: Strategic Plan/Utilities Master Plan

This project will replace existing aging infrastructure.

Total Cost of Project	Total Cost to Date	2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
\$2,445,000	\$25,000		\$0	\$0	\$2,420,000	\$0

## Recurring Annual Costs

Operating	\$0
Maintenance	\$0
Personal	\$0
Other Non-Capital	\$0
<b>Total Recurring Costs</b>	<b>\$0</b>

## Capital Costs and Proposed Financing by Fiscal Year

2018	\$2,420,000	Revenue
2019	\$0	\$0 this FY
2020	\$0	\$0 this FY
2021	\$0	\$0 this FY
2022	\$0	\$0 this FY

## Financing Comments

Design being done in house by the City in FY17 (\$25,000 for survey and geotech). Starting 5/17 Construction \$2,420,000 in FY18 starting 02/18 ending 09/18 30 Year or greater useful life

Total Capital Costs \$2,420,000

CIE\_Designation ☐

# CIP Detail Project Report FY 2018 - FY 2022



CIP Fiscal Year Period FY 2018 - FY 2022

Fund: 421 Dept/Div: 4055

CIP #: CP-WS-17-CP Project #: WS1210 Account #: 68-10 CIP Classification: Infrastructure District: City

Project Name: Capital Plan Update FY Start 2018 Quarter Q4

Project Location: Cocoa FY End 2018 Quarter Q1

## Project Description

Updating the City's Water FY19-FY40 Capital Plan based on the conditions and prioritization of the City's infrastructure annually for a five year period.

## Project Justification

The City's infrastructure is continually aging and should be monitored to reprioritize the City's projects annually. This analysis will allow the Capital Plan to be updated according to the changing conditions of the system. The Capital Plan was completed in 2014 and will have a comprehensive update at a 5-year interval.

## Strategic Connection: Strategic Plan/Utilities Master Plan

Project updates to the Wastewater and Reclaimed Water Capital Improvement Plan.

Total Cost of Project	Total Cost to Date	2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
\$500,000	\$0		\$0	\$0	\$0	\$500,000

## Recurring Annual Costs

Operating	\$0
Maintenance	\$0
Personal	\$0
Other Non-Capital	\$0
<b>Total Recurring Costs</b>	<b>\$0</b>

## Capital Costs and Proposed Financing by Fiscal Year

		Reserves
2018	\$500,000	
2019	\$0	\$0 this FY
2020	\$0	\$0 this FY
2021	\$0	\$0 this FY
2022	\$0	\$0 this FY

Total Capital Costs \$500,000

## Financing Comments

Per the City, the Capital Plan Update will be encumbered in FY17. It is estimated that Carry forward for FY18 will be \$500,000 (reserves).

CIE\_Designation ☐

# CIP Detail Project Report FY 2018 - FY 2022



CIP Fiscal Year Period FY 2018 - FY 2022

Fund: 421 Dept/Div: 4055

CIP #: CP-WS-14-39 Project #: WS18MI Account #: 63-00 CIP Classification: Infrastructure District: WS-Outside City  
 Project Name: DS-39 Merritt Island In-line Booster Pump Station FY Start 2018 Quarter Q4  
 Project Location: Merritt Island FY End 2019 Quarter Q2

## Project Description

Installation of an in-line booster pump station with variable frequency drives (VFDs). Includes SCADA Design programming for PLC and HMI systems to support the project. This project is a cost effective alternative to the Pineda Causeway river crossing pipeline. (Reference: Water Capital Plan Project DS39-Alt)

## Project Justification

This project will improve fire flow service in the area, and improve the efficiency of the distribution system in the area. This project was identified under the technical evaluations under the Water System Capital Plan project. See Water Distribution Infrastructure Improvements TM and Risk Reduction of Assets TM for more details. The prioritization/sequencing was determined based on the prioritization framework and scoring, also under the Water System Capital Plan project; see Project Prioritization TM for more details.

Strategic Connection: Strategic Plan/Utilities Master Plan

Project will improve efficiency and fire flows.

Total Cost of Project	Total Cost to Date	2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
\$1,440,000	\$0		\$150,000	\$0	\$0	\$0

## Recurring Annual Costs

Operating	\$0
Maintenance	\$0
Personal	\$0
Other Non-Capital	\$0
<b>Total Recurring Costs</b>	<b>\$0</b>

## Capital Costs and Proposed Financing by Fiscal Year

2018	\$150,000	Bond
2019	\$1,290,000	Bond
2020	\$0	\$0 this FY
2021	\$0	\$0 this FY
2022	\$0	\$0 this FY

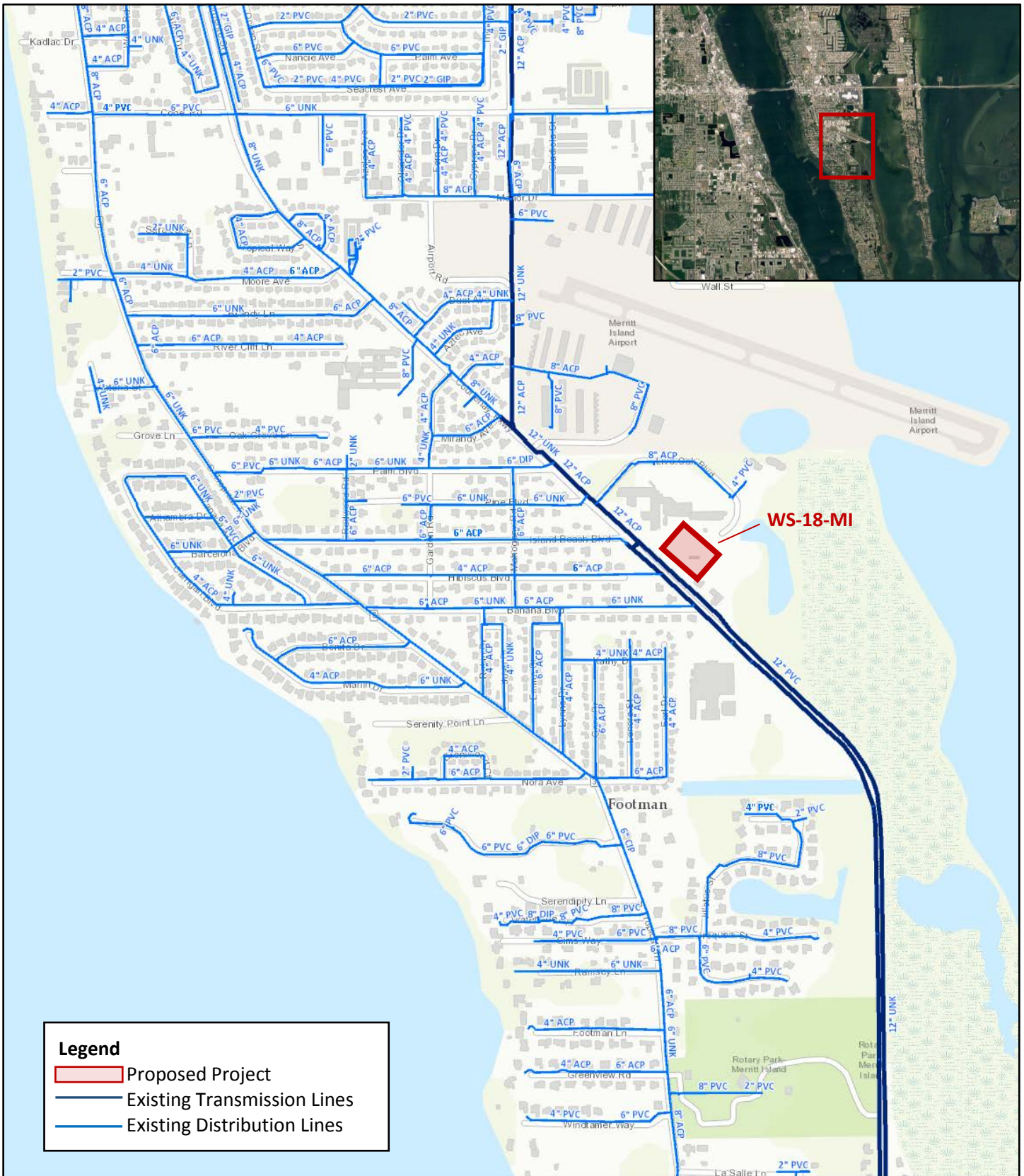
## Financing Comments

\$150,000 Design; start 02/18, end 08/18  
 \$1,290,000 Construction; strt 11/18, end 08/19  
 30 Years or greater useful life  
 Following construction, operating & maintenance cost are estimated at roughly \$18,000/year.

Total Capital Costs \$1,440,000

CIE\_Designation ☐

# WS-18-MI – DS39 Merritt Island In-Line Booster Pump



City of Cocoa  
FY 18-22 Water Distribution System  
CIP Projects

0 300 600ft





# CIP Detail Project Report FY 2018 - FY 2022



CIP Fiscal Year Period FY 2018 - FY 2022

Fund: 421 Dept/Div: 4055

CIP #: CP-WS-18-FL Project #: Account #: 63-00 CIP Classification: Infrastructure District: City

Project Name: DS40 Ivy Dr. and Fenner Rd. Looping FY Start 2022 Quarter Q4

Project Location: City FY End 2022 Quarter Q2

## Project Description

Installation of two looping 8-inch pipe segments at Gray Rd. and Fenner Rd. and Ivy Dr. 7 Range Rd. N (466 LF and 1474 LF respectively), and two looping 6-inch pipe segments at Sunhome St. and Kimberly St. and Sunhome St. and Clear Lake Rd. (275 LF and 641 LF respectively).

## Project Justification

The project will help improve efficiency to the system.

Strategic Connection: Strategic Plan/Utilities Master Plan

N/A

Total Cost of Project	Total Cost to Date	2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
\$610,000	\$0		\$0	\$0	\$0	\$0

## Recurring Annual Costs

Operating	\$0
Maintenance	\$0
Personal	\$0
Other Non-Capital	\$0

Total Recurring Costs \$0

## Capital Costs and Proposed Financing by Fiscal Year

2018	\$0	\$0 this FY
2019	\$0	\$0 this FY
2020	\$0	\$0 this FY
2021	\$0	\$0 this FY
2022	\$610,000	Revenue

Total Capital Costs \$610,000

## Financing Comments

CIE\_Designation ☐

# CIP Detail Project Report FY 2018 - FY 2022



CIP Fiscal Year Period FY 2018 - FY 2022

Fund: 421 Dept/Div: 4055

CIP #: CP-WS-18-PB Project #: Account #: 63-00 CIP Classification: Infrastructure District: City

Project Name: DS43 Pluckebaum Rd and A Ln Looping FY Start 2022 Quarter Q4

Project Location: City FY End 2022 Quarter Q1

## Project Description

this project includes installation of a looping 8-inch pipe segment at Pluckebaum Rd. and Clearlake Rd. (3,366 LF), and a looping 6-inch pipe segment at Robeson Rd. and A Ln. (798 LF).

## Project Justification

The project will help improve efficiency to the system.

Strategic Connection: Strategic Plan/Utilities Master Plan

N/A

Total Cost of Project	Total Cost to Date	2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
\$880,000	\$0		\$0	\$0	\$0	\$0

## Recurring Annual Costs

Operating	\$0
Maintenance	\$0
Personal	\$0
Other Non-Capital	\$0

Total Recurring Costs \$0

## Capital Costs and Proposed Financing by Fiscal Year

2018	\$0	\$0 this FY
2019	\$0	\$0 this FY
2020	\$0	\$0 this FY
2021	\$0	\$0 this FY
2022	\$880,000	Revenue

Total Capital Costs \$880,000

## Financing Comments

CIE\_Designation ☐

# CIP Detail Project Report FY 2018 - FY 2022



CIP Fiscal Year Period FY 2018 - FY 2022

Fund: 421 Dept/Div: 4055

CIP #: CP-WS-18-BR Project #: Account #: 63-00 CIP Classification: Infrastructure District: City

Project Name: DS55 Banana River Drive Canal Crossing FY Start 2022 Quarter Q3

Project Location: City FY End 2022 Quarter Q2

## Project Description

This project will replace 200 feet of 12-inch ductile iron pipe at the canal crossing between Central and Bayside Streets on Banana River Drive.

## Project Justification

Project will replace aging infrastructure.

Strategic Connection: Strategic Plan/Utilities Master Plan

N/A

Total Cost of Project	Total Cost to Date	2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
\$200,000	\$0		\$0	\$0	\$0	\$0

## Recurring Annual Costs

Operating	\$0
Maintenance	\$0
Personal	\$0
Other Non-Capital	\$0

Total Recurring Costs \$0

## Capital Costs and Proposed Financing by Fiscal Year

2018	\$0	\$0 this FY
2019	\$0	\$0 this FY
2020	\$0	\$0 this FY
2021	\$0	\$0 this FY
2022	\$200,000	Revenue

Total Capital Costs \$200,000

## Financing Comments

CIE\_Designation ☐



# WS-17-BR – Banana River Tank Improvements



# CIP Detail Project Report FY 2018 - FY 2022



CIP Fiscal Year Period FY 2018 - FY 2022

Fund: 421 Dept/Div: 4055

CIP #: CP-WS-17-BR Project #: WS18BR Account #: 63-00 CIP Classification: Infrastructure District: City

Project Name: DS-56 Banana River Tank Improvements FY Start 2018 Quarter Q3

Project Location: Merritt Island FY End 2020 Quarter Q3

## Project Description

This project will replace two existing 2MG tanks in kind.

## Project Justification

Improvements of the ammonia feed system are required for improvements of water quality in the distribution system. The existing tanks at Banana River are past their useful service life and are in need of replacement.

## Strategic Connection: Strategic Plan/Utilities Master Plan

Project will replace aging infrastructure (tanks) and improve water quality.

Total Cost of Project	Total Cost to Date	2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
\$4,332,136	\$0		\$370,000	\$0	\$0	\$0

## Recurring Annual Costs

Operating	\$0
Maintenance	\$0
Personal	\$0
Other Non-Capital	\$0

Total Recurring Costs \$0

## Capital Costs and Proposed Financing by Fiscal Year

2018	\$370,000	Bond
2019	\$1,169,634	Bond
2020	\$2,792,502	Bond
2021	\$0	\$0 this FY
2022	\$0	\$0 this FY

Total Capital Costs \$4,332,136

## Financing Comments

\$370,000 Design start 6/18 end 12/18 (Bond)  
\$3,962,136 Construction; start 4/19, end 4/20 (Bond)  
30 years or greater useful life

CIE\_Designation ☐

# CIP Detail Project Report FY 2018 - FY 2022



CIP Fiscal Year Period FY 2018 - FY 2022

Fund: 421 Dept/Div: 4055

CIP #: CP-WS-16-PS Project #: DSCO Account #: 63-00 CIP Classification: Infrastructure District: City

Project Name: DS-60 Banana River and Viera Pump Station Chloramination Improvements

FY Start 2020 Quarter Q4

Project Location: Merritt Island

FY End 2020 Quarter Q1

## Project Description

The design and construction of the project will change the existing chlorination system to chloramination system at Viera and Banana River Pump Stations. New systems will include 500 gallon tanks, spill containment, chemical injection system, chemical feed pumps, Chemsan system, precast concrete building, and miscellaneous piping and valves.

## Project Justification

Improvements of the existing system are required for improvements of water quality in the distribution system.

Strategic Connection: Strategic Plan/Utilities Master Plan

Project will replace aging infrastructure (tanks) and improve water quality.

Total Cost of Project	Total Cost to Date
\$1,180,000	\$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	\$0	\$0	\$0	\$0

## Recurring Annual Costs

Operating	\$0
Maintenance	\$0
Personal	\$0
Other Non-Capital	\$0
<b>Total Recurring Costs</b>	<b>\$0</b>

## Capital Costs and Proposed Financing by Fiscal Year

2018	\$0	\$0 this FY
2019	\$0	\$0 this FY
2020	\$87,616	Revenue
2021	\$1,092,384	Revenue
2022	\$0	\$0 this FY

## Financing Comments

\$87,616 Design; start 10/19, end 6/20  
\$1,092,384 Construction; start 10/20, end 10/21

Total Capital Costs \$1,180,000

CIE\_Designation ☐

# CIP Detail Project Report FY 2018 - FY 2022



CIP Fiscal Year Period FY 2018 - FY 2022

Fund: 421 Dept/Div: 4055

CIP #: CP-WS-18-PL Project #: Account #: 63-00 CIP Classification: Infrastructure District: City

Project Name: DS62 Imperial to Central Pipe Loop/Brown Circle FY Start 2022 Quarter Q4

Project Location: City FY End 2022 Quarter Q1

## Project Description

The City of Cocoa Utilities will provide two loops from Imperial to Central along Astronaut and Imperial to Astronaut. The project is intended to provide looping in order to maintain water to customers in the event of a break along Brown or Imperial.

## Project Justification

Improvements of the existing system are required for improvements of water quality in the distribution system.

Strategic Connection: Strategic Plan/Utilities Master Plan

N/A

Total Cost of Project	Total Cost to Date
\$310,000	\$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	\$0	\$0	\$0	\$0

## Recurring Annual Costs

Operating	\$0
Maintenance	\$0
Personal	\$0
Other Non-Capital	\$0

Total Recurring Costs \$0

## Capital Costs and Proposed Financing by Fiscal Year

2018	\$0	\$0 this FY
2019	\$0	\$0 this FY
2020	\$0	\$0 this FY
2021	\$0	\$0 this FY
2022	\$310,000	Revenue

Total Capital Costs \$310,000

## Financing Comments

CIE\_Designation ☐

# CIP Detail Project Report FY 2018 - FY 2022



CIP Fiscal Year Period FY 2018 - FY 2022

Fund: 421 Dept/Div: 4055

CIP #: CP-WS-16-MM Project #: WS16MM Account #: 63-00 CIP Classification: Infrastructure District: City

Project Name: DS-63 Marlin Manor Pipeline Improvements - Construction

FY Start 2018 Quarter Q3

Project Location: Rockledge

FY End 2018 Quarter Q1

## Project Description

This project will replace 7,500 feet of 4" and 6" AC pipe with 6" PVC piping in the Marlin Manor neighborhood due to history of catastrophic pipe failures and broken valves.

## Project Justification

Replacement of aging pipe due to catastrophic AC pipe failures in this neighborhood.

Strategic Connection: Strategic Plan/Utilities Master Plan

Project will replace aging infrastructure.

Total Cost of Project	Total Cost to Date
\$2,401,349	\$301,349

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	\$0	\$0	\$2,100,000	\$0

## Recurring Annual Costs

Operating	\$0
Maintenance	\$0
Personal	\$0
Other Non-Capital	\$0
<b>Total Recurring Costs</b>	<b>\$0</b>

## Capital Costs and Proposed Financing by Fiscal Year

2018	\$2,100,000	Bond
2019	\$0	\$0 this FY
2020	\$0	\$0 this FY
2021	\$0	\$0 this FY
2022	\$0	\$0 this FY

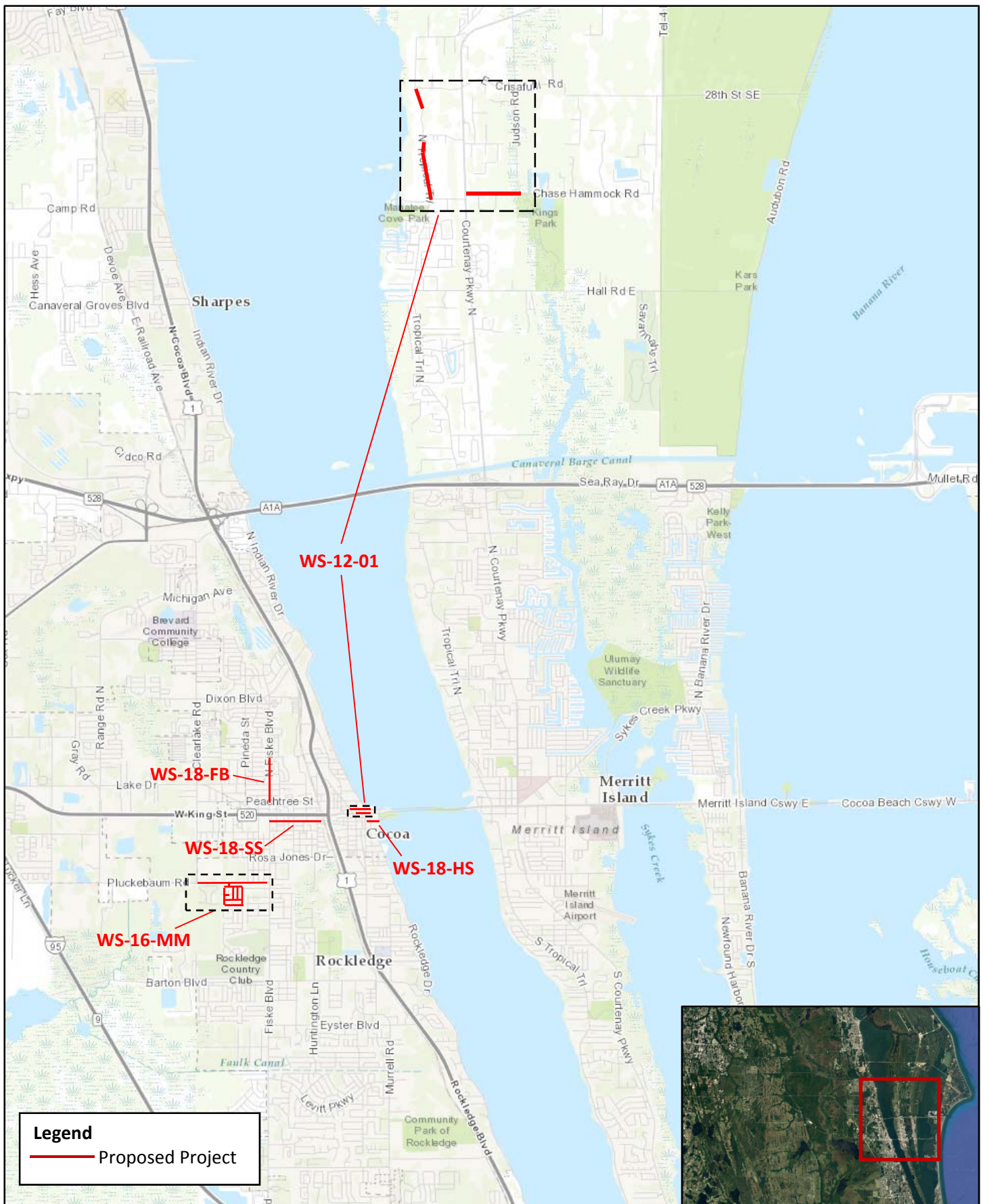
## Financing Comments

The City would like construction in FY18. \$2,100,000 Construction; start 10/17, end 4/18 30 years or greater useful life

Total Capital Costs \$2,100,000

CIE\_Designation ☐





City of Cocoa  
 FY 18-22 Water Distribution System  
 CIP Projects



# CIP Detail Project Report FY 2018 - FY 2022



CIP Fiscal Year Period FY 2018 - FY 2022

Fund: 421 Dept/Div: 4055

CIP #: CP-WS-12-DP Project #: WS1404 Account #: 63-00 CIP Classification: Infrastructure District: WS-Outside City

Project Name: Dyal Chemical Conversion & Reliability Improvement Project - Construction

FY Start 2018 Quarter Q2

Project Location: Dyal Plant

FY End 2020 Quarter Q4

## Project Description

This project includes chemical system upgrades, a redundant finished flow system and new pump station at the dyal Plant. Replacement of two existing back up power generators with same sized generators at the Dyal WTP. Location will be in a new building; Conversion to NaOCL and Liq NH3; (Reference: 2013 Water Capital Plan Project WT50 Emergency Generator Replacement; WT09 Conversion to NaOCl and Liq NH3; WT25 Redundant Finished Flow Pipe and Pit; New Pump Station). Includes SCADA Design programming for PLC and HMI systems to support the project.

## Project Justification

This project was identified under the technical evaluations under the Water System Capital Plan project. See Water Treatment, Storage and High Service Pumping Evaluation TM and Risk Reduction of Assets TM for more details. The prioritization/sequencing was determined based on the prioritization framework and scoring, also under the Water System Capital Plan project; see Project Prioritization TM for more details. The project will bring the backup power system up to current code. This project was identified under the technical evaluations under the 2013 Water System Capital Plan Update project. The prioritization/sequencing was determined based on the prioritization framework and scoring, also under the 2013 Water System Capital Plan Update project; see Project Prioritization TM for more details about the scoring process.

Strategic Connection: Strategic Plan/Utilities Master Plan

Project will increase reliability and operational flexibility.

Total Cost of Project	Total Cost to Date	2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
\$21,831,954	\$175,478		\$0	\$0	\$4,456,476	\$0

## Recurring Annual Costs

Operating	\$0
Maintenance	\$0
Personal	\$0
Other Non-Capital	\$0

Total Recurring Costs \$0

## Capital Costs and Proposed Financing by Fiscal Year

2018	\$4,456,476	Bond
2019	\$13,902,001	Bond
2020	\$3,297,999	Bond
2021	\$0	\$0 this FY
2022	\$0	\$0 this FY

Total Capital Costs \$21,656,476

## Financing Comments

Design to be encumbered in FY17 - \$2.8 M  
Design carry forward FY17 - \$1.8M (Reserves)  
Construction Total; start 8/18, end 1/20  
(Bond) \$20,000,000. (FY18 \$2.8M with  
estimated carryforward of \$1.8M)  
30 year or greater useful life

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# CIP Detail Project Report FY 2018 - FY 2022



CIP Fiscal Year Period FY 2018 - FY 2022

Fund: 421 Dept/Div: 4055

CIP #: CP-WS-17-WE Project #: WS18WF Account #: 63-00 CIP Classification: Infrastructure District: WS-Outside City  
 Project Name: Fiber Optic Cable from Dyal WTP to Wewa WTP FY Start 2018 Quarter Q4  
 Project Location: Wellfield FY End 2018 Quarter Q1

## Project Description

Design, bid, and contract for a new installation of fiber optic cable from the Dyal WTP control room FOPP to the Wewa WTP FOPP to support communications between the two facilities.

## Project Justification

To create a hardline fiber optic connection from Dyal to the Wewahootee. This will improve data reliability and data speed and support communications between water treatment infrastructure.

## Strategic Connection: Strategic Plan/Utilities Master Plan

This project will support communication between water treatment plants.

Total Cost of Project	Total Cost to Date	2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
\$1,150,000	\$0		\$0	\$0	\$1,150,000	\$0

## Recurring Annual Costs

Operating	\$0
Maintenance	\$0
Personal	\$0
Other Non-Capital	\$0
<b>Total Recurring Costs</b>	<b>\$0</b>

## Capital Costs and Proposed Financing by Fiscal Year

		Bond
2018	\$1,150,000	
2019	\$0	\$0 this FY
2020	\$0	\$0 this FY
2021	\$0	\$0 this FY
2022	\$0	\$0 this FY

## Financing Comments

City requested funding in FY18.\$1,150,000; start 10/17, end 9/18

Total Capital Costs \$1,150,000

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# CIP Detail Project Report FY 2018 - FY 2022



CIP Fiscal Year Period FY 2018 - FY 2022

Fund: 421 Dept/Div: 4055

CIP #: CP-WS-17-FO Project #: WS17FO Account #: 63-00 CIP Classification: Infrastructure District: WS-Outside City  
 Project Name: Fiber Optic Cable from Police Department to Dyal WTP FY Start 2018 Quarter Q4  
 Project Location: SR 520 FY End 2018 Quarter Q1

## Project Description

Design, bid and contract for a new installation of fiber Optic Cable from Police Department to Dyal WTP

## Project Justification

To create a hardline fiber optic connection from Dyal to the City network. This will improve data reliability and data speed and support communications between water treatment infrastructure.

Strategic Connection: Strategic Plan/Utilities Master Plan

This project will improve communication between City departments.

Total Cost of Project	Total Cost to Date	2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
\$690,000	\$0		\$0	\$0	\$690,000	\$0

## Recurring Annual Costs

Operating	\$0
Maintenance	\$0
Personal	\$0
Other Non-Capital	\$0

Total Recurring Costs \$0

## Capital Costs and Proposed Financing by Fiscal Year

2018	2019	2020	2021	2022	Bond
\$690,000	\$0	\$0	\$0	\$0	\$0 this FY
					\$0 this FY
					\$0 this FY

Total Capital Costs \$690,000

## Financing Comments

City to encumber in FY17. No funding in FY18. Project not done in FY17. City requested funding in FY18 \$690,000; start 10/17, end 9/18

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# CIP Detail Project Report FY 2018 - FY 2022



CIP Fiscal Year Period FY 2018 - FY 2022

Fund: 421 Dept/Div: 4055

CIP #: CP-WS-18-FB Project #: WS18FB Account #: 63-00 CIP Classification: Infrastructure District: City

Project Name: Fiske Boulevard Pipeline Improvements - Peachtree to Highland

FY Start 2018 Quarter Q4

Project Location: Cocoa

FY End 2018 Quarter Q1

## Project Description

The project includes the replacement of 8" AC pipe along Fiske Blvd., between Mitchell and Park with 8" PVC pipe and move the pipeline out of the roadway; Replacement of 6" Cast Iron Pipe along Fiske Blvd., between Fern and Peachtree with 6" PVC and move the pipeline out of the roadway; Replacing all hydrants, install new service lines, move all valves out of the intersection and install new cross connection control devices within the project area.

## Project Justification

The pipeline improvements will be completed as part of the Public Works road work improvements planned on Fiske Blvd.

Strategic Connection: Strategic Plan/Utilities Master Plan

N/A

Total Cost of Project	Total Cost to Date	2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
\$1,000,000	\$0		\$0	\$0	\$1,000,000	\$0

## Recurring Annual Costs

Operating	\$0
Maintenance	\$0
Personal	\$0
Other Non-Capital	\$0
<b>Total Recurring Costs</b>	<b>\$0</b>

## Capital Costs and Proposed Financing by Fiscal Year

		Revenue
2018	\$1,000,000	
2019	\$0	\$0 this FY
2020	\$0	\$0 this FY
2021	\$0	\$0 this FY
2022	\$0	\$0 this FY

Total Capital Costs \$1,000,000

## Financing Comments

City requested construction in FY18. Construction to start 10/17 and be completed 9/18.

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# CIP Detail Project Report FY 2018 - FY 2022



CIP Fiscal Year Period FY 2018 - FY 2022

Fund: 421 Dept/Div: 4055

CIP #: CP-UT-18-HS Project #: WS18HS Account #: 63-00 CIP Classification: Infrastructure District: City

Project Name: Harrison Street Streetscape (Utility portion) FY Start 2019 Quarter Q4

Project Location: Cocoa Village FY End 2019 Quarter Q1

## Project Description

Project to include improve drainage, provide bus parking, improve sidewalks, lighting, as well as landscaping and striping

## Project Justification

Harrison Street is a mixed use area with commercial businesses on one side and Riverfront Park on the other. These improvements will improve the overall appearance of this area.

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
\$98,720	\$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	\$0	\$0	\$0	\$0

## Recurring Annual Costs

Operating	\$0
Maintenance	\$0
Personal	\$0
Other Non-Capital	\$0

Total Recurring Costs \$0

## Capital Costs and Proposed Financing by Fiscal Year

2018	\$0	\$0 this FY
2019	\$98,720	Revenue
2020	\$0	\$0 this FY
2021	\$0	\$0 this FY
2022	\$0	\$0 this FY

Total Capital Costs \$98,720

## Financing Comments

The Capital Cost is the portion being funded by the Cocoa CRA TIF. Split between the Utility Fund, Stormwater Fund and the Cocoa CRA (110) Fund

CIE\_Designation ☐

# CIP Detail Project Report FY 2018 - FY 2022



CIP Fiscal Year Period FY 2018 - FY 2022

Fund: 421 Dept/Div: 4055

CIP #: CP-WS-18-MA Project #: WS17MI Account #: 63-00 CIP Classification: Infrastructure District: City

Project Name: Michigan Avenue Force Main (Carry Forward) FY Start 2018 Quarter Q4

Project Location: Michigan Avenue FY End 2018 Quarter Q1

## Project Description

Installation of 3000 linear feet of sewer force main along Michian Avenue.

## Project Justification

This project provides for redundancy and future growth in the sewer system.

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date	2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
\$740,000	\$0		\$40,000	\$0	\$700,000	\$0

## Recurring Annual Costs

Operating	\$0
Maintenance	\$0
Personal	\$0
Other Non-Capital	\$0

Total Recurring Costs \$0

## Capital Costs and Proposed Financing by Fiscal Year

		Revenue
2018	\$740,000	
2019	\$0	\$0 this FY
2020	\$0	\$0 this FY
2021	\$0	\$0 this FY
2022	\$0	\$0 this FY

Total Capital Costs \$740,000

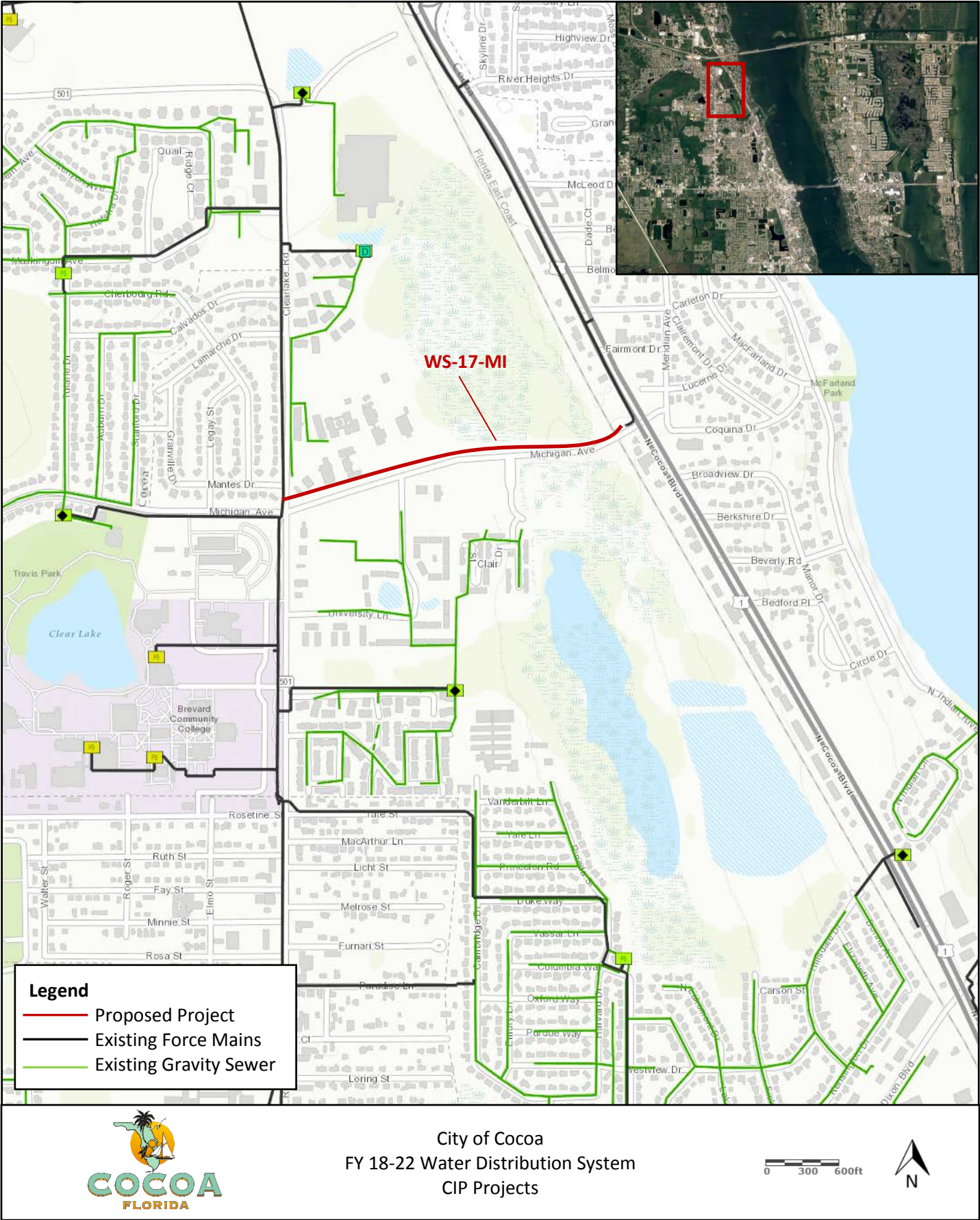
## Financing Comments

Design Carry Forward \$40,000. \$700,000 for construction.  
30 years or greater useful life

CIE\_Designation ☐



WS-17-MI – Michigan Avenue Force Main Extension (US 1 to Clearlake Road)



# CIP Detail Project Report FY 2018 - FY 2022



CIP Fiscal Year Period FY 2018 - FY 2022

Fund: 421 Dept/Div: 4055

CIP #: CP-WS-18-SS Project #: WS18SS Account #: 63-00 CIP Classification: Infrastructure District: City

Project Name: Stone Street Corridor Streetscaping (Utility portion) FY Start 2018 Quarter Q2

Project Location: Fiske Boulevard to the western side of the F.E.C. Railroad. FY End 2019 Quarter Q1

## Project Description

Streetscaping of Stone Street Commercial Corridor. Design and Engineering in FY 2017 and construction could begin in Q4 of FY 2017

## Project Justification

This project will redevelop this culturally significant commercial corridor

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date	2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
\$659,356	\$0		\$0	\$0	\$659,356	\$0

## Recurring Annual Costs

Operating	\$0
Maintenance	\$0
Personal	\$0
Other Non-Capital	\$0

Total Recurring Costs \$0

## Capital Costs and Proposed Financing by Fiscal Year

2018	\$659,356	Revenue
2019	\$0	\$0 this FY
2020	\$0	\$0 this FY
2021	\$0	\$0 this FY
2022	\$0	\$0 this FY

Total Capital Costs \$659,356

## Financing Comments

A combination of TIF and other funding sources will be used for this project. This project is split between the General Fund, Utility Fund and Stormwater Fund.

CIE\_Designation ☐

# CIP Detail Project Report FY 2018 - FY 2022



CIP Fiscal Year Period FY 2018 - FY 2022

Fund: 421 Dept/Div: 4055

CIP #: CP-WS-13-PM Project #: WS1221 Account #: 63-00 CIP Classification: Infrastructure District: City

Project Name: Utilities Program Management FY Start 2018 Quarter Q4

Project Location: Cocoa Utilities FY End 2022 Quarter Q1

## Project Description

The purpose of this project is to provide program management services, including program management/administration, design management, construction project support, asset management and public involvement services in support of funded Cocoa Utilities Capital Improvement Plan (CIP) program projects to be funded under the 2010 series bond and a future bond issue anticipated for the first quarter of 2017. Program Management services for projects funded by operating revenues will be funded separately, out of 2017 and 2018 operating revenue budgets.

## Project Justification

In the Fall of 2011, the City of Cocoa initiated a program management approach for its Utilities CIP. This approach, while coupled with the Water Capital Plan (authorized in January 2012), enables a risk-based asset management approach for evaluating and prioritizing capital improvement projects to maximize the benefit to the City of Cocoa's rate payers and citizens. The Program approach allows a large volume of projects to be efficiently managed and implemented (including planning, design, bidding and construction), provides transparent financial management, and enables technical experts to be brought in as needed for short periods of time, all while generating new job opportunities for the local businesses and residents and improving Cocoa's level of service to its customers.

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date	2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
\$13,026,092	\$6,826,092		\$1,500,000	\$0	\$0	\$0

## Recurring Annual Costs

Operating	\$0
Maintenance	\$0
Personal	\$0
Other Non-Capital	\$0

Total Recurring Costs \$0

## Capital Costs and Proposed Financing by Fiscal Year

2018	\$1,500,000	Revenue
2019	\$1,400,000	Revenue
2020	\$1,200,000	Revenue
2021	\$1,100,000	Revenue
2022	\$1,000,000	Revenue

Total Capital Costs \$6,200,000

## Financing Comments

CIE\_Designation ☐

# CIP Detail Project Report FY 2018 - FY 2022



CIP Fiscal Year Period FY 2018 - FY 2022

Fund: 421 Dept/Div: 4055

CIP #: CP-WS-18-TS Project #: WS1210 Account #: 68-10 CIP Classification: Software District: City

Project Name: Wastewater Capital Plan FY Start 2018 Quarter Q4

Project Location: Jerry Sellers WRF and Collection / Transmission System FY End 2022 Quarter Q1

## Project Description

Wastewater Capital Plan.

## Project Justification

The Wastewater Capital Plan is updated annually to identify projects that need to be completed over the next 5 years for the Wastewater System. The plan requires a major update every 5 years.

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date	2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
\$420,000	\$0		\$30,000	\$0	\$0	\$0

## Recurring Annual Costs

Operating	\$0
Maintenance	\$0
Personal	\$0
Other Non-Capital	\$0

Total Recurring Costs \$0

## Capital Costs and Proposed Financing by Fiscal Year

2018	\$30,000	Revenue
2019	\$300,000	Revenue
2020	\$30,000	Revenue
2021	\$30,000	Revenue
2022	\$30,000	Revenue

Total Capital Costs \$420,000

## Financing Comments

CIE\_Designation ☐



# CIP Detail Project Report FY 2018 - FY 2022



CIP Fiscal Year Period FY 2018 - FY 2022

Fund: 421 Dept/Div: 4055

CIP #: CP-WS-14-03 Project #: WS0501 Account #: 63-00 CIP Classification: Infrastructure District: WS-Outside City  
 Project Name: WS-03 Pigging and Flushing Improvements for Raw Water Pipelines FY Start 2022 Quarter Q4  
 Project Location: State Hwy 520 and Wewahootee Plant Road FY End 2022 Quarter Q1

## Project Description

Design and construct pipeline improvements to allow for improved capabilities to pig and flush the raw water pipelines between Wewahootee and Dyal Plants. The project will also include changing out butterfly valves to gate valves. The project includes pigging and flushing of 36-inch pre-stressed concrete cylinder pipe (PCCP) and 42-inch reinforced concrete pipe (RCP) raw water pipelines. (Reference: 2013 Water Capital Plan Project WS-03)

## Project Justification

Pigging and flushing are maintenance activities to clear debris that has built up in the raw water pipelines over time. This project is intended to improve the water supply system level of service and reliability as a part of the Utility's ongoing capital improvement program. Improved pigging and flushing of raw water pipelines will increase the hydraulic capacity of the lines. This project was identified under the technical evaluations under the Water System Capital Plan project. See Supply System Evaluation TM and Risk Reduction of Assets TM for more details. The prioritization/sequencing was determined based on the prioritization framework and scoring, also under the Water System Capital Plan project; see Project Prioritization TM for more details.

Strategic Connection: Strategic Plan/Utilities Master Plan

Project will increase reliability and improve water quality.

Total Cost of Project	Total Cost to Date	2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
\$240,000	\$0		\$0	\$0	\$0	\$0

## Recurring Annual Costs

Operating	\$0
Maintenance	\$0
Personal	\$0
Other Non-Capital	\$0

Total Recurring Costs \$0

## Capital Costs and Proposed Financing by Fiscal Year

2018	\$0	\$0 this FY
2019	\$0	\$0 this FY
2020	\$0	\$0 this FY
2021	\$0	\$0 this FY
2022	\$240,000	Revenue

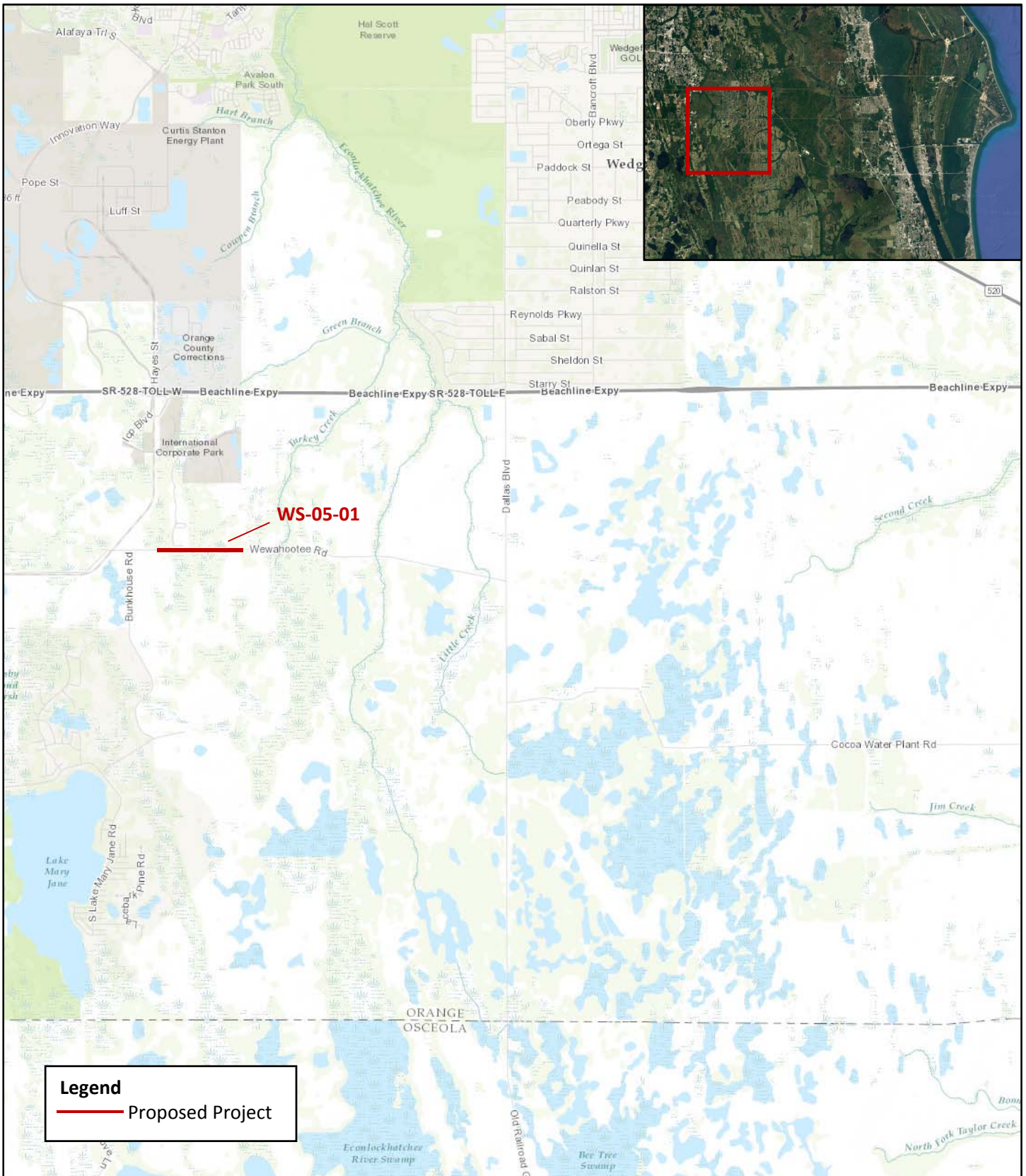
Total Capital Costs \$240,000

## Financing Comments

\$240,000 Design; start 10/21, end 6/22  
 Construction \$2,290,000; start 8/22, end 7/23  
 Total \$2,530,000

CIE\_Designation ☐

# WS-05-01 – 14”/18” AC Raw Water Pipeline Upgrade



## Legend

— Proposed Project



City of Cocoa  
FY 18-22 Water Distribution System  
CIP Projects

0 0.5 1mi



# CIP Detail Project Report FY 2018 - FY 2022



CIP Fiscal Year Period FY 2018 - FY 2022

Fund: 421 Dept/Div: 4055

CIP #: CP-WS-14-05 Project #: WS-05 Account #: 63-00 CIP Classification: Infrastructure District: WS-Outside City  
 Project Name: WS-05 54 inch Redundant Pipe to Dyal FY Start 2021 Quarter Q3  
 Project Location: State Hwy 520 near Dyal WTP FY End 2022 Quarter Q1

## Project Description

This project includes installation of 2,950 LF of 54-inch redundant raw water pipeline which would run parallel to the existing 54-inch line. New 54-inch raw water line would terminate at the 48-inch clarifier influent line within the Dyal WTP. (Reference: 2013 Water Capital Plan Project WS-05)

## Project Justification

The new redundant raw water pipe would provide greater flexibility by allowing the utility to take one line out of service for maintenance. The existing 54-inch raw water pipe represents a single point of failure for the raw groundwater source and if it were to fail, it would result in a significant impact on water production. This project was identified under the technical evaluations under the Water System Capital Plan project. See Supply System Evaluation TM and Risk Reduction of Assets TM for more details. The prioritization/sequencing was determined based on the prioritization framework and scoring, also under the Water System Capital Plan project; see Project Prioritization TM for more details.

## Strategic Connection: Strategic Plan/Utilities Master Plan

Project will improve reliability and maintenance of raw water supply system.

Total Cost of Project	Total Cost to Date	2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
\$3,420,000	\$0		\$0	\$0	\$0	\$0

## Recurring Annual Costs

Operating	\$0
Maintenance	\$0
Personal	\$0
Other Non-Capital	\$0
<b>Total Recurring Costs</b>	<b>\$0</b>

## Capital Costs and Proposed Financing by Fiscal Year

2018	\$0	\$0 this FY
2019	\$0	\$0 this FY
2020	\$0	\$0 this FY
2021	\$1,100,955	Revenue
2022	\$2,319,045	Revenue

## Financing Comments

\$290,000 Design; start 10/20, end 4/21  
 \$3,130,000 Construction; start 7/21, end 5/22  
 (Bond) Total Project Cost \$3,420,000

Total Capital Costs \$3,420,000

CIE\_Designation ☐

# CIP Detail Project Report FY 2018 - FY 2022



CIP Fiscal Year Period FY 2018 - FY 2022

Fund: 421 Dept/Div: 4055

CIP #: CP-WS-05-01 Project #: WS0501 Account #: 63-00 CIP Classification: Infrastructure District: WS-Outside City  
 Project Name: WS-09 42 inch New Pipeline West of Well 7A to Dallas Wewa FY Start 2020 Quarter Q3  
 Project Location: Well field FY End 2022 Quarter Q1

## Project Description

In East Orange County, the City of Cocoa has 48 raw water wells that deliver water to the Dyal plant for advanced treatment and distribution to customers. As the well field has expanded over the years, the raw water mains have been required to deliver greater quantities of water. The current pipes limit the available flow due to pressure losses and headloss. This project includes the installation of 14,300 LF of large diameter piping downstream of Well 13A continuing along Dallas Rd to the existing 42-inch water supply pipe near the intersection at Dallas Rd and Cocoa Water Plant Rd. Another segment includes approximately 700 feet of large diameter pipe near Well 17. This project will also eliminate the 14-inch asbestos cement (AC) piping. (Reference: 2013 Water Capital Plan Project WS-09)

## Project Justification

The projects are intended to improve the water supply system level of service and reliability of the raw water piping. Redundant piping creates flexibility in the system, and reduces O&M costs by alleviating hydraulic constriction which makes pumping more efficient. The project also eliminates some inferior pipe material (AC). This project was identified under the technical evaluations under the Water System Capital Plan project. See Supply System Evaluation TM and Risk Reduction of Assets TM for more details. The prioritization/sequencing was determined based on the prioritization framework and scoring, also under the Water System Capital Plan project; see Project Prioritization TM for more details.

Strategic Connection: Strategic Plan/Utilities Master Plan

Project will replace aging infrastructure.

Total Cost of Project	Total Cost to Date	2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
\$8,296,169	\$0		\$0	\$0	\$0	\$0

Recurring Annual Costs		Capital Costs and Proposed Financing by Fiscal Year			Financing Comments
Operating	\$0	2018	\$0	\$0 this FY	
Maintenance	\$0	2019	\$0	\$0 this FY	
Personal	\$0	2020	\$99,892	Revenue	
Other Non-Capital	\$0	2021	\$5,428,703	Revenue	
		2022	\$2,767,574	Revenue	
Total Recurring Costs	\$0	Total Capital Costs	\$8,296,169		

\$99,892 Design; start 10/19, end 2/20  
 \$8,196,277 Construction; start 10/20, end 4/22

CIE\_Designation ☐



# CIP Detail Project Report FY 2018 - FY 2022



CIP Fiscal Year Period FY 2018 - FY 2022

Fund: 421 Dept/Div: 4055

CIP #: CP-WS-18-RP Project #: Account #: 63-00 CIP Classification: Infrastructure District: City

Project Name: WS11 Redundant Pipeline Well 20 to 23 - Design FY Start 2022 Quarter Q4

Project Location: Wellfield FY End 2022 Quarter Q3

## Project Description

This project includes installation of approximately 8,300 LF of 24 and 30-inch redundant piping starting at Well 20 and terminating at well 23.

## Project Justification

The project will provide redundancy in the system.

Strategic Connection: Strategic Plan/Utilities Master Plan

N/A

Total Cost of Project	Total Cost to Date	2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
\$390,000	\$0		\$0	\$0	\$0	\$0

## Recurring Annual Costs

Operating	\$0
Maintenance	\$0
Personal	\$0
Other Non-Capital	\$0

Total Recurring Costs \$0

## Capital Costs and Proposed Financing by Fiscal Year

2018	\$0	\$0 this FY
2019	\$0	\$0 this FY
2020	\$0	\$0 this FY
2021	\$0	\$0 this FY
2022	\$390,000	Revenue

Total Capital Costs \$390,000

## Financing Comments

Design in FY2022 \$390,000  
Construction in FY2023 \$4,200,000  
30 years of greater useful life

CIE\_Designation ☐

# CIP Detail Project Report FY 2018 - FY 2022



CIP Fiscal Year Period FY 2018 - FY 2022

Fund: 421 Dept/Div: 4055

CIP #: CP-WS-12-PL Project #: WS1201 Account #: 63-00 CIP Classification: Infrastructure District: City

Project Name: WS1201 Pipe Infrastructure Assessment and Replacement

FY Start 2018 Quarter Q4

Project Location: Utility Service Area

FY End 2022 Quarter Q1

## Project Description

FY 18 construction projects: DS-31 Chase Hammock Rd Looping - Installation of approximately 5,800 LF of 6" and 8" PVC near the intersections of Chase Hammock Rd. & Judson Rd. and Royal Paddock Way & Stone Lake Dr., and along Forever Young Ln. AND SR-520 Water Distribution System Improvements- Replacement of existing 6" and 8" water mains and associated valves and fire hydrants along King and Willard Streets (State Road 520 eastbound and westbound), from Delannoy Street to Forrest Avenue, in the City of Cocoa. Portions of the approximately 2,500 linear foot alignment will be upsize from 6" to 8". FY 19-FY22: The current utility system consists of approximately 1400 miles of pipe infrastructure of various sizes, ages and materials. As the infrastructure ages, it must be replaced over time. This capital project consists of an assessment program to determine the most critical pipe infrastructure, program management to implement the projects as well as design, permitting and construction to replace aging pipe. This project will consist of engineering, construction, permitting and inspection services.

## Project Justification

A systematic approach to plan and predict the replacement of pipe needs to be implemented. The Cocoa Utility pipe system is valued at \$900,000,000 per the CH2MHill Asset Assessment report dated January 2010. Assuming a conservative life cycle of 100 years for pipe, the city should be replacing approximately 12 miles of pipe per year in perpetuity.

Strategic Connection: Strategic Plan/Utilities Master Plan

Project will assist to determine condition of pipe infrastructure and replace aging infrastructure.

Total Cost of Project	Total Cost to Date	2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
\$23,608,964	\$7,270,824		\$0	\$0	\$2,770,786	\$0

## Recurring Annual Costs

Operating	\$0
Maintenance	\$0
Personal	\$0
Other Non-Capital	\$0

Total Recurring Costs \$0

## Capital Costs and Proposed Financing by Fiscal Year

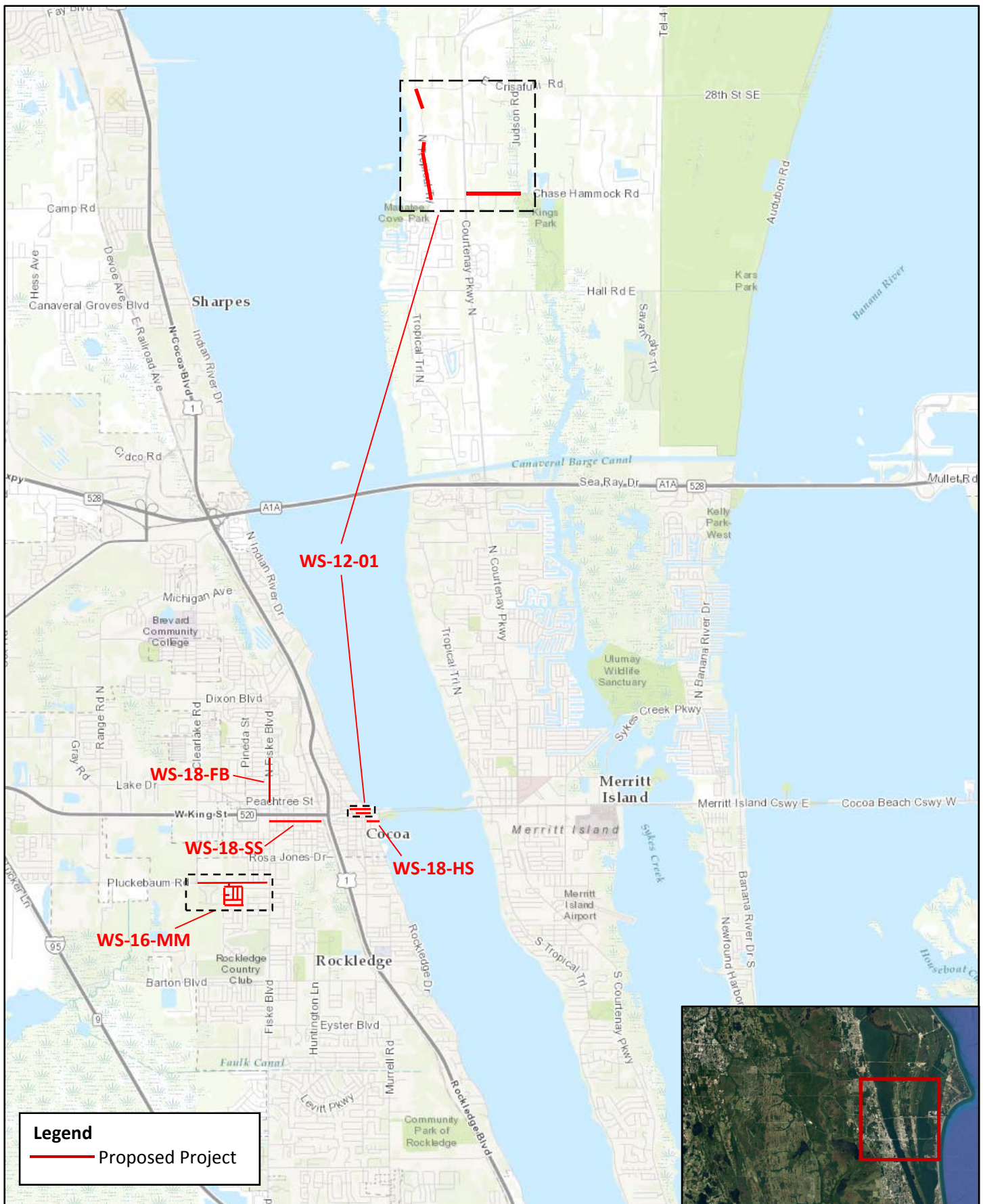
2018	\$2,770,786	Bond
2019	\$2,142,744	Bond
2020	\$3,000,000	Bond
2021	\$3,424,610	Revenue
2022	\$5,000,000	Revenue

Total Capital Costs \$16,338,140

## Financing Comments

FY18 Construction Projects:  
Chase Hammock Construction: \$960,000 start 10/17 end  
SR 520 Construction: \$1,501,274 Construction; start 1/18, end 09/18  
30 years or greater useful life

CIE\_Designation ☐



City of Cocoa  
 FY 18-22 Water Distribution System  
 CIP Projects





# CIP Detail Project Report FY 2018 - FY 2022



CIP Fiscal Year Period FY 2018 - FY 2022

Fund: 421 Dept/Div: 4055

CIP #: CP-WS-18-NW Project #: Account #: 63-00 CIP Classification: Infrastructure District: City

Project Name: WS20 Install New Well No. 17 FY Start 2019 Quarter Q4

Project Location: Wellfield FY End 2019 Quarter Q1

## Project Description

this project includes construction of new Well No. 17. This includes well site location, permitting and construction of new well.

## Project Justification

The project will provide improvements to the system.

Strategic Connection: Strategic Plan/Utilities Master Plan

N/A

Total Cost of Project	Total Cost to Date	2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
\$820,000	\$0		\$0	\$0	\$0	\$0

## Recurring Annual Costs

Operating	\$0
Maintenance	\$0
Personal	\$0
Other Non-Capital	\$0

Total Recurring Costs \$0

## Capital Costs and Proposed Financing by Fiscal Year

2018	\$0	\$0 this FY
2019	\$820,000	Revenue
2020	\$0	\$0 this FY
2021	\$0	\$0 this FY
2022	\$0	\$0 this FY

Total Capital Costs \$820,000

## Financing Comments

30 years or greater useful life

CIE\_Designation ☐

# CIP Detail Project Report FY 2018 - FY 2022



CIP Fiscal Year Period FY 2018 - FY 2022

Fund: 421 Dept/Div: 4055

CIP #: CP-WS-18-SI Project #: Account #: 63-00 CIP Classification: Infrastructure District: City

Project Name: WS22 Wellfield Security Improvements FY Start 2022 Quarter Q4

Project Location: Wellfield FY End 2022 Quarter Q1

## Project Description

Security Improvement Recommendations: Work includes the increased security on western wells (well 15-25), including 8-foot fencing with barbwire, locks, 1-inch mesh, video (with real time video), lighting or infrared, motion sensors. There is no fiber/band width. New fiber network will be required. Existing telemetry can be used as a backup. Refer to VA (11/2002) work by Bill Phillips/GNV. Consider including fiber optic with 14,000' Little Econ/Dallas Pipeline Project.

## Project Justification

The project will provide increased security to the system.

Strategic Connection: Strategic Plan/Utilities Master Plan

N/A

Total Cost of Project	Total Cost to Date	2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
\$2,300,000	\$0		\$0	\$0	\$0	\$0

## Recurring Annual Costs

Operating	\$0
Maintenance	\$0
Personal	\$0
Other Non-Capital	\$0

Total Recurring Costs \$0

## Capital Costs and Proposed Financing by Fiscal Year

2018	\$0	\$0 this FY
2019	\$0	\$0 this FY
2020	\$0	\$0 this FY
2021	\$0	\$0 this FY
2022	\$2,300,000	Revenue

Total Capital Costs \$2,300,000

## Financing Comments

30 years or greater  
Fence in 63-00  
other items in other accounts

CIE\_Designation ☐

# CIP Detail Project Report FY 2018 - FY 2022



CIP Fiscal Year Period FY 2018 - FY 2022

Fund: 421 Dept/Div: 4055

CIP #: CP-WS-14-02 Project #: WS1402 Account #: 63-00 CIP Classification: Infrastructure District: WS-Outside City

Project Name: WT-02 Separation of Groundwater and Surface Water Clear Well FY Start 2018 Quarter Q4

Project Location: Dyal Plant FY End 2018 Quarter Q1

## Project Description

The project includes construction of new surface water clear well and modifications to the existing clear well below the GW gravity filters to include a bypass following the surface water gravity filters. (Reference: 2013 Water Capital Plan Project WT-02)

## Project Justification

Completion of this project will increase storage capacity and operational flexibility by allowing operations to reject flow from either treatment train (groundwater or surface water) without impacting the other. Completion of the project also contributes to effectively meeting future regulatory requirements and increases flexibility by isolating clear wells from each other during operation. Having separate clear wells prevents the need to empty both clear wells if non-compliant water entered one of them. This project was identified under the technical evaluations under the Water System Capital Plan project. See Water Treatment, Storage and High Service Pumping Evaluation TM and Risk Reduction of Assets TM for more details. The prioritization/sequencing was determined based on the prioritization framework and scoring, also under the Water System Capital Plan project; see Project Prioritization TM for more details.

Strategic Connection: Strategic Plan/Utilities Master Plan

Project will improve flexibility and meet future regulations.

Total Cost of Project	Total Cost to Date	2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
\$11,475,086	\$7,479,457		\$0	\$0	\$3,995,629	\$0

## Recurring Annual Costs

Operating	\$0
Maintenance	\$0
Personal	\$0
Other Non-Capital	\$0

Total Recurring Costs \$0

## Capital Costs and Proposed Financing by Fiscal Year

2018	\$3,995,629	Reserves
2019	\$0	\$0 this FY
2020	\$0	\$0 this FY
2021	\$0	\$0 this FY
2022	\$0	\$0 this FY

Total Capital Costs \$3,995,629

## Financing Comments

As of February 17 the project cost to date - \$4,670,800It is assumed that \$2,808,657 will be spent by 9/17which estimates the carry forward of \$2M

CIE\_Designation ☐

# CIP Detail Project Report FY 2018 - FY 2022



CIP Fiscal Year Period FY 2018 - FY 2022

Fund: 421 Dept/Div: 4055

CIP #: CP-WS-18-LF Project #: Account #: 63-00 CIP Classification: Infrastructure District: WS-Outside City  
 Project Name: WT37 Lime Feed and Storage System Improvements FY Start 2022 Quarter Q4  
 Project Location: Dyal FY End 2022 Quarter Q1

## Project Description

This project installation of new lime slurry feed pumps with VFDs controlled by flow and pH. The project includes modifying the lime silo bottom, installing new vibratory devices and installing new lime recirculation pumps to recirculate a portion of lime sludge back to feed.

## Project Justification

The project will provide improvements to the system.

Strategic Connection: Strategic Plan/Utilities Master Plan

N/A

Total Cost of Project	Total Cost to Date	2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
\$840,000	\$0		\$0	\$0	\$0	\$0

## Recurring Annual Costs

Operating	\$0
Maintenance	\$0
Personal	\$0
Other Non-Capital	\$0
<b>Total Recurring Costs</b>	<b>\$0</b>

## Capital Costs and Proposed Financing by Fiscal Year

2018	\$0	\$0 this FY
2019	\$0	\$0 this FY
2020	\$0	\$0 this FY
2021	\$0	\$0 this FY
2022	\$840,000	Revenue

## Financing Comments

Total Capital Costs \$840,000

CIE\_Designation ☐

# CIP Detail Project Report FY 2018 - FY 2022



CIP Fiscal Year Period FY 2018 - FY 2022

Fund: 421 Dept/Div: 4055

CIP #: CP-WS-18-BE Project #: Account #: 63-00 CIP Classification: Infrastructure District: WS-Outside City  
 Project Name: WT48 Recarbonation Basin Expansion-Reactor Clarifiers #1/#2 - Design and Construction FY Start 2022 Quarter Q4  
 Project Location: Dyal FY End 2022 Quarter Q1

## Project Description

This project includes the addition of a recarbonization basin at Reactor Clarifiers #1/#2 to provide full process train redundancy. Currently, Reactor Clarifiers #1/#2 discharge to a single recarbonization basin. If this recarbonization basin is off-line, then both Reactor Clarifiers #1/#2 are off-line and cannot provide softened water to the filters.

## Project Justification

The project will provide redundancy to the system.

Strategic Connection: Strategic Plan/Utilities Master Plan

N/A

Total Cost of Project	Total Cost to Date	2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
\$1,540,000	\$0		\$0	\$0	\$0	\$0

## Recurring Annual Costs

Operating	\$0
Maintenance	\$0
Personal	\$0
Other Non-Capital	\$0
<b>Total Recurring Costs</b>	<b>\$0</b>

## Capital Costs and Proposed Financing by Fiscal Year

2018	\$0	\$0 this FY
2019	\$0	\$0 this FY
2020	\$0	\$0 this FY
2021	\$0	\$0 this FY
2022	\$1,540,000	Revenue
<b>Total Capital Costs</b>	<b>\$1,540,000</b>	

## Financing Comments

CIE\_Designation ☐

# CIP Detail Project Report FY 2018 - FY 2022



CIP Fiscal Year Period FY 2018 - FY 2022

Fund: 421 Dept/Div: 4055

CIP #: CP-WS-15-SU Project #: WS1508 Account #: 63-00 CIP Classification: Infrastructure District: City

Project Name: WT-51 Sulfuraetor FY Start 2019 Quarter Q3

Project Location: Wewahootee FY End 2020 Quarter Q1

## Project Description

This project includes design and construction of a third Sulfuraetor at Wewahootee WTP. The project includes SCADA Design programming for PLC and HMI systems to support the project. (Reference: Water Capital Plan Project WT51)

## Project Justification

The third Sulfuraetor provides redundancy and the capability to meet peak demand when one of the Sulfuraetors are taken offline for scheduled cleanings. This project was identified under the technical evaluations under the 2013 Water System Capital Plan Update project. The prioritization/sequencing was determined based on the prioritization framework and scoring, also under the 2013 Water System Capital Plan Update project; see Project Prioritization TM for more details about the scoring process.

Strategic Connection: Strategic Plan/Utilities Master Plan

Project will improve treatment process reliability.

Total Cost of Project	Total Cost to Date	2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
\$3,560,000	\$0		\$0	\$0	\$0	\$0

## Recurring Annual Costs

Operating	\$0
Maintenance	\$0
Personal	\$0
Other Non-Capital	\$0

Total Recurring Costs \$0

## Capital Costs and Proposed Financing by Fiscal Year

2018	\$0	\$0 this FY
2019	\$310,000	Bond
2020	\$3,250,000	Bond
2021	\$0	\$0 this FY
2022	\$0	\$0 this FY

Total Capital Costs \$3,560,000

## Financing Comments

\$310,000 Design; start 10/18, end 6/19  
\$3,250,000 Construction; start 9/19, end 5/20  
30 years or greater useful life

CIE\_Designation ☐

# CIP Detail Project Report FY 2018 - FY 2022



CIP Fiscal Year Period FY 2018 - FY 2022

Fund: 421 Dept/Div: 4055

CIP #: CP-WS-16-GI Project #: WT-54 Account #: 63-00 CIP Classification: Infrastructure District: City

Project Name: WT-54 Tier 4 Generator Improvements FY Start 2019 Quarter Q2

Project Location: Dyal and Distribution FY End 2021 Quarter Q3

## Project Description

This project includes replacing the existing generators with EPA Tier 4 generators at the TCR Pump Station, Wewahootee WTP (switchgear also), Banana River PS and Viera PS.

## Project Justification

The project will bring the backup power system up to current code. This project was identified under the technical evaluations under the 2013 Water System Capital Plan Update project. The prioritization/sequencing was determined based on the prioritization framework and scoring, also under the 2013 Water System Capital Plan Update project; see Project Prioritization TM for more details about the scoring process.

## Strategic Connection: Strategic Plan/Utilities Master Plan

Project will allow emergency power systems to meet current regulations.

Total Cost of Project	Total Cost to Date	2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
\$4,290,000	\$0		\$0	\$0	\$0	\$0

## Recurring Annual Costs

Operating	\$0
Maintenance	\$0
Personal	\$0
Other Non-Capital	\$0

Total Recurring Costs \$0

## Capital Costs and Proposed Financing by Fiscal Year

2018	\$0	\$0 this FY
2019	\$0	\$0 this FY
2020	\$430,000	Revenue
2021	\$3,860,000	Revenue
2022	\$0	\$0 this FY

Total Capital Costs \$4,290,000

## Financing Comments

\$430,000 Design; start 05/19, end 10/19  
\$3,860,000 Construction; start 10/20, end 1/21  
30 years or greater useful life

CIE\_Designation ☐



# CIP Detail Project Report FY 2018 - FY 2022



CIP Fiscal Year Period FY 2018 - FY 2022

Fund: 421 Dept/Div: 4055

CIP #: CP-WS-18-SB Project #: Account #: 62-00 CIP Classification: Building District: WS-Outside City  
 Project Name: WT58 Dyal WTP Storage Building FY Start 2022 Quarter Q3  
 Project Location: Dyal FY End 2022 Quarter Q1

## Project Description

This project will include the construct of a new pole-barn type structure to protect equipment from the elements.

## Project Justification

There is no storage space at the plant for large equipment. This structure is needed to protect the equipment from the elements.

Strategic Connection: Strategic Plan/Utilities Master Plan

TBD

Total Cost of Project	Total Cost to Date	2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
\$220,000	\$0		\$0	\$0	\$0	\$0

## Recurring Annual Costs

Operating	\$0
Maintenance	\$0
Personal	\$0
Other Non-Capital	\$0

Total Recurring Costs \$0

## Capital Costs and Proposed Financing by Fiscal Year

2018	\$0	\$0 this FY
2019	\$0	\$0 this FY
2020	\$0	\$0 this FY
2021	\$0	\$0 this FY
2022	\$220,000	Revenue

Total Capital Costs \$220,000

## Financing Comments

CIE\_Designation ☐

# CIP Detail Project Report FY 2018 - FY 2022



CIP Fiscal Year Period FY 2018 - FY 2022

Fund: 421 Dept/Div: 4055

CIP #: CP-WS-18-BP Project #: Account #: 63-00 CIP Classification: Infrastructure District: WS-Outside City  
 Project Name: WT61 Dyal CO2 Bulk Package System FY Start 2020 Quarter Q4  
 Project Location: Dyal FY End 2020 Quarter Q1

## Project Description

This project includes the removal of the existing steel pressure tanks and replacing it in kind with steel pressure tanks.

## Project Justification

To replace existing aging infrastructure.

Strategic Connection: Strategic Plan/Utilities Master Plan

N/A

Total Cost of Project	Total Cost to Date	2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
\$1,040,000	\$0		\$0	\$0	\$0	\$0

## Recurring Annual Costs

Operating	\$0
Maintenance	\$0
Personal	\$0
Other Non-Capital	\$0

Total Recurring Costs \$0

## Capital Costs and Proposed Financing by Fiscal Year

2018	\$0	\$0 this FY
2019	\$90,000	Bond
2020	\$950,000	Bond
2021	\$0	\$0 this FY
2022	\$0	\$0 this FY

Total Capital Costs \$1,040,000

## Financing Comments

design \$90,000, construction \$950,000  
 30 years or greater useful life

CIE\_Designation ☐

# CIP Detail Project Report FY 2018 - FY 2022



CIP Fiscal Year Period FY 2018 - FY 2022

Fund: 421 Dept/Div: 4055

CIP #: CP-WS-17-TT Project #: WS18DT Account #: 64-00 CIP Classification: Machinery & Equipment District: WS-Outside City  
 Project Name: WT-62 Dyal TTHM Prevention and/or Reduction FY Start 2018 Quarter Q2  
 Project Location: Dyal WTP FY End 2018 Quarter Q1

## Project Description

The project includes the evaluation and planning of a Unit Process to help prevent the creation of TTHM in water.

## Project Justification

The City of Cocoa's distribution system has experienced rising TTHM sample results. This evaluation and planning effort will be to prohibit this trend from continuing.

Strategic Connection: Strategic Plan/Utilities Master Plan

Project will improve water quality.

Total Cost of Project	Total Cost to Date	2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
\$110,000	\$0		\$110,000	\$0	\$0	\$0

## Recurring Annual Costs

Operating	\$0
Maintenance	\$0
Personal	\$0
Other Non-Capital	\$0

Total Recurring Costs \$0

## Capital Costs and Proposed Financing by Fiscal Year

2018	\$110,000	Revenue
2019	\$0	\$0 this FY
2020	\$0	\$0 this FY
2021	\$0	\$0 this FY
2022	\$0	\$0 this FY

Total Capital Costs \$110,000

## Financing Comments

Planning \$110,000; start 10/17, end 1/18

CIE\_Designation ☐

# CIP Detail Project Report FY 2018 - FY 2022



CIP Fiscal Year Period FY 2018 - FY 2022

Fund: 421 Dept/Div: 4055

CIP #: CP-WS-17-DF Project #: WS18RD Account #: 63-00 CIP Classification: Infrastructure District: WS-Outside City

Project Name: WT-63 Replacement of Dyal Finished Water Steel GST

FY Start 2018 Quarter Q2

Project Location: Dyal WTP

FY End 2020 Quarter Q2

## Project Description

This project includes removal of existing steel tank and design and installation of a new 5 MG Crom prestressed concrete tank at Dyal.

## Project Justification

To replace existing aging ground storage tank.

## Strategic Connection: Strategic Plan/Utilities Master Plan

Project will replace aging infrastructure.

Total Cost of Project	Total Cost to Date	2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
\$7,480,000	\$0		\$0	\$0	\$0	\$0

## Recurring Annual Costs

Operating	\$0
Maintenance	\$0
Personal	\$0
Other Non-Capital	\$0

Total Recurring Costs \$0

## Capital Costs and Proposed Financing by Fiscal Year

2018	\$0	\$0 this FY
2019	\$640,000	Bond
2020	\$6,840,000	Bond
2021	\$0	\$0 this FY
2022	\$0	\$0 this FY

Total Capital Costs \$7,480,000

## Financing Comments

Design \$640,000; start 01/19, end 10/19  
Construction \$6,840,000 in FY20; start 10/19, end 03/20  
30 years or greater useful life

CIE\_Designation ☐

# CIP Detail Project Report FY 2018 - FY 2022



CIP Fiscal Year Period FY 2018 - FY 2022

Fund: 421 Dept/Div: 4055

CIP #: CP-WS-15-OI Project #: WT-CO Account #: 64-00 CIP Classification: Machinery & Equipment District: City

Project Name: WT-CO Ozone Improvements (Generator Replacement, Chiller Replacement, Contactor Improvements) FY Start 2020 Quarter Q2

Project Location: Dyal WTP FY End 2021 Quarter Q1

## Project Description

This project includes improvements to the ozone system at the Dyal WTP including replacement of the existing ozone generators and associated electrical, control panels and chiller replacement. (Reference: Water Capital Plan Project Update WT-45, WT-46, and WT-47)

## Project Justification

The ozone generators and chillers are nearing the end of their life cycle which is estimated to be 2018. The new generators will be installed at the same location as the existing generators and will use the existing cooling system. These projects were identified under the technical evaluations under the 2013 Water System Capital Plan Update project. Ozone sidestream injection will result in higher ozone transfer efficiency and decreased maintenance primarily due to eliminating the need for maintenance on the current ozone diffusers. This project was identified under the 2012 Water System Capital Plan project. The prioritization/sequencing was determined based on the prioritization framework and scoring, also under the 2013 Water System Capital Plan Update project; see Project Prioritization TM for more details about the scoring process.

Strategic Connection: Strategic Plan/Utilities Master Plan

Project will replace aging infrastructure.

Total Cost of Project	Total Cost to Date
\$4,550,000	\$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	\$0	\$0	\$0	\$0

## Recurring Annual Costs

Operating	\$0
Maintenance	\$0
Personal	\$0
Other Non-Capital	\$0

Total Recurring Costs	\$0
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## Capital Costs and Proposed Financing by Fiscal Year

2018	\$0	\$0 this FY
2019	\$0	\$0 this FY
2020	\$1,513,504	Revenue
2021	\$3,036,496	Revenue
2022	\$0	\$0 this FY

Total Capital Costs	\$4,550,000
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## Financing Comments

\$390,000 Design; start 11/19, end 5/20  
\$4,160,000 Construction; start 8/20, end 2/21  
30 years or greater useful life

CIE\_Designation ☐

# CIP Detail Project Report FY 2018 - FY 2022



CIP Fiscal Year Period FY 2018 - FY 2022

Fund: 421 Dept/Div: 4120

CIP #: CP-WS-18-BS Project #: Account #: 63-00 CIP Classification: Infrastructure District: City

Project Name: Biosolids Improvements Project FY Start 2020 Quarter Q4

Project Location: Jerry Sellers WRF FY End 2022 Quarter Q1

## Project Description

Biosolids Improvements at the Jerry Sellers WRF.

## Project Justification

Replacement of aging infrastructure.

## Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
\$2,200,000	\$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	\$0	\$0	\$0	\$0

## Recurring Annual Costs

Operating	\$0
Maintenance	\$0
Personal	\$0
Other Non-Capital	\$0

Total Recurring Costs \$0

## Capital Costs and Proposed Financing by Fiscal Year

2018	\$0	\$0 this FY
2019	\$0	\$0 this FY
2020	\$200,000	Revenue
2021	\$200,000	Revenue
2022	\$1,800,000	Revenue

Total Capital Costs \$2,200,000

## Financing Comments

CIE\_Designation ☐

# CIP Detail Project Report FY 2018 - FY 2022



CIP Fiscal Year Period FY 2018 - FY 2022

Fund: 421 Dept/Div: 4120

CIP #: CP-WS-17-PA Project #: WW-32 Account #: 63-00 CIP Classification: Infrastructure District: City

Project Name: Bracco Pond Aeration

FY Start 2019 Quarter Q4

Project Location: Bracco Pond

FY End 2019 Quarter Q1

## Project Description

Installation of surface aerators at the Bracco Pond.

## Project Justification

Installation of surface aerators in the Bracco Ponds to prevent toxic algae blooms. Algal blooms can cause nutrient levels to exceed requirements due to their toxic effects on biomass.

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
\$115,000	\$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	\$0	\$0	\$0	\$0

## Recurring Annual Costs

Operating	\$0
Maintenance	\$0
Personal	\$0
Other Non-Capital	\$0
<b>Total Recurring Costs</b>	<b>\$0</b>

## Capital Costs and Proposed Financing by Fiscal Year

2018	\$0	\$0 this FY
2019	\$115,000	Revenue
2020	\$0	\$0 this FY
2021	\$0	\$0 this FY
2022	\$0	\$0 this FY

## Financing Comments

Total Capital Costs \$115,000

CIE\_Designation ☐



# CIP Detail Project Report FY 2018 - FY 2022



CIP Fiscal Year Period FY 2018 - FY 2022

Fund: 421 Dept/Div: 4120

CIP #: CP-WS-18-BI Project #: WW-32 Account #: 63-00 CIP Classification: Infrastructure District: City

Project Name: Bracco Pond Interconnect FY Start 2019 Quarter Q4

Project Location: Jerry Sellers WRF FY End 2019 Quarter Q1

## Project Description

Automation of existing Bracco Pond Interconnect valve.

## Project Justification

Existing Bracco Pond Interconnect valve is manually operated which requires operations staff to travel off site to provide supplemental reclaimed water to the Jerry Sellers WRF.

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
\$90,000	\$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	\$0	\$0	\$0	\$0

## Recurring Annual Costs

Operating	\$0
Maintenance	\$0
Personal	\$0
Other Non-Capital	\$0
<b>Total Recurring Costs</b>	<b>\$0</b>

## Capital Costs and Proposed Financing by Fiscal Year

2018	\$0	\$0 this FY
2019	\$90,000	Revenue
2020	\$0	\$0 this FY
2021	\$0	\$0 this FY
2022	\$0	\$0 this FY

## Financing Comments

30 years or greater useful life

Total Capital Costs \$90,000

CIE\_Designation ☐

# CIP Detail Project Report FY 2018 - FY 2022



CIP Fiscal Year Period FY 2018 - FY 2022

Fund: 421 Dept/Div: 4120

CIP #: CP-WS-18-CS Project #: Account #: 63-00 CIP Classification: Infrastructure District: City

Project Name: Chemical Storage Relocation FY Start 2019 Quarter Q4

Project Location: Jerry Sellers WRF FY End 2020 Quarter Q1

## Project Description

Relocation of chemical storage and feed facilities to improve operations.

## Project Justification

The location of the existing chemical storage and feed facilities makes it difficult to automatically control the quality of plant effluent. Relocating the facilities will allow for greater control and automation.

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
\$700,000	\$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	\$0	\$0	\$0	\$0

## Recurring Annual Costs

Operating	\$0
Maintenance	\$0
Personal	\$0
Other Non-Capital	\$0
<b>Total Recurring Costs</b>	<b>\$0</b>

## Capital Costs and Proposed Financing by Fiscal Year

2018	\$0	\$0 this FY
2019	\$100,000	Revenue
2020	\$600,000	Revenue
2021	\$0	\$0 this FY
2022	\$0	\$0 this FY

## Financing Comments

30 years or greater useful life

Total Capital Costs \$700,000

CIE\_Designation ☐

# CIP Detail Project Report FY 2018 - FY 2022



CIP Fiscal Year Period FY 2018 - FY 2022

Fund: 421 Dept/Div: 4120

CIP #: CP-WS-18-UP Project #: WS17CM Account #: 63-00 CIP Classification: Infrastructure District: City

Project Name: CMMS Update Phase II FY Start 2018 Quarter Q4

Project Location: Jerry Sellers WRF FY End 2018 Quarter Q1

## Project Description

Data entry necessary to support use of CMMS. Purchasing of a printer to support use of the system.

## Project Justification

The CMMS system is necessary to manage maintenance needs.

## Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date	2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
\$50,000	\$0		\$50,000	\$0	\$0	\$0

## Recurring Annual Costs

Operating	\$795
Maintenance	\$0
Personal	\$0
Other Non-Capital	\$0

Total Recurring Costs \$795

## Capital Costs and Proposed Financing by Fiscal Year

2018	\$50,000	Revenue
2019	\$0	\$0 this FY
2020	\$0	\$0 this FY
2021	\$0	\$0 this FY
2022	\$0	\$0 this FY

Total Capital Costs \$50,000

## Financing Comments

Annual License Renewal = \$795

CIE\_Designation ☐

# CIP Detail Project Report FY 2018 - FY 2022



CIP Fiscal Year Period FY 2018 - FY 2022

Fund: 421 Dept/Div: 4120

CIP #: CP-WS-18-GR Project #: Account #: 63-00 CIP Classification: Infrastructure District: City

Project Name: Generator Replacement FY Start 2022 Quarter Q4

Project Location: Jerry Sellers WRF FY End 2022 Quarter Q1

## Project Description

Generator Replacement at the Jerry Sellers WRF.

## Project Justification

Replacement of aging infrastructure.

## Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
\$200,000	\$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	\$0	\$0	\$0	\$0

## Recurring Annual Costs

Operating	\$0
Maintenance	\$0
Personal	\$0
Other Non-Capital	\$0

Total Recurring Costs \$0

## Capital Costs and Proposed Financing by Fiscal Year

2018	\$0	\$0 this FY
2019	\$0	\$0 this FY
2020	\$0	\$0 this FY
2021	\$0	\$0 this FY
2022	\$200,000	Revenue

Total Capital Costs \$200,000

## Financing Comments

CIE\_Designation ☐

# CIP Detail Project Report FY 2018 - FY 2022



CIP Fiscal Year Period FY 2018 - FY 2022

Fund: 421 Dept/Div: 4120

CIP #: CP-WS-18-IP Project #: Account #: 63-00 CIP Classification: Infrastructure District: City

Project Name: Internal Recycle Pump Replacement FY Start 2022 Quarter Q4

Project Location: Jerry Sellers WRF FY End 2022 Quarter Q1

## Project Description

Replacement of the internal recycle pumps at the Jerry Sellers WRF.

## Project Justification

Replacement of aging infrastructure.

## Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
\$205,000	\$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	\$0	\$0	\$0	\$0

## Recurring Annual Costs

Operating	\$0
Maintenance	\$0
Personal	\$0
Other Non-Capital	\$0

Total Recurring Costs \$0

## Capital Costs and Proposed Financing by Fiscal Year

2018	\$0	\$0 this FY
2019	\$0	\$0 this FY
2020	\$0	\$0 this FY
2021	\$0	\$0 this FY
2022	\$205,000	Revenue

Total Capital Costs \$205,000

## Financing Comments

CIE\_Designation ☐

# CIP Detail Project Report FY 2018 - FY 2022



CIP Fiscal Year Period FY 2018 - FY 2022

Fund: 421 Dept/Div: 4120

CIP #: CP-WS-18-FI Project #: WS16SF Account #: 63-00 CIP Classification: Infrastructure District: City

Project Name: Jerry Sellers Flow Improvements FY Start 2018 Quarter Q4

Project Location: Jerry Sellers WRF FY End 2019 Quarter Q1

## Project Description

Upgrades to the influent pump station, reject water system, sludge pumps and digesters at the Jerry Sellers WRF.

## Project Justification

Upgrades are required to improve operation of the facility.

## Strategic Connection: Strategic Plan/Utilities Master Plan

Project was identified in the Wastewater Capital Plan.

Total Cost of Project	Total Cost to Date	2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
\$4,230,000	\$0		\$115,000	\$0	\$2,000,000	\$0

## Recurring Annual Costs

Operating	\$0
Maintenance	\$0
Personal	\$0
Other Non-Capital	\$0

Total Recurring Costs \$0

## Capital Costs and Proposed Financing by Fiscal Year

2018	\$2,115,000	Bond
2019	\$2,115,000	Bond
2020	\$0	\$0 this FY
2021	\$0	\$0 this FY
2022	\$0	\$0 this FY

Total Capital Costs \$4,230,000

## Financing Comments

30 year useful life

CIE\_Designation ☐

# CIP Detail Project Report FY 2018 - FY 2022



CIP Fiscal Year Period FY 2018 - FY 2022

Fund: 421 Dept/Div: 4120

CIP #: CP-WS-18-LE Project #: WS18SE Account #: 62-00 CIP Classification: Building District: City

Project Name: Jerry Sellers WRF Laboratory Expansion FY Start 2018 Quarter Q4

Project Location: Jerry Sellers WRF FY End 2018 Quarter Q1

## Project Description

Expansion of the laboratory at the Jerry Sellers WRF.

## Project Justification

Upgrades are required to improve operations of the facility.

## Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date	2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
\$65,000	\$0		\$0	\$0	\$65,000	\$0

## Recurring Annual Costs

Operating	\$0
Maintenance	\$0
Personal	\$0
Other Non-Capital	\$0

Total Recurring Costs \$0

## Capital Costs and Proposed Financing by Fiscal Year

2018	\$65,000	Revenue
2019	\$0	\$0 this FY
2020	\$0	\$0 this FY
2021	\$0	\$0 this FY
2022	\$0	\$0 this FY

Total Capital Costs \$65,000

## Financing Comments

CIE\_Designation ☐



# CIP Detail Project Report FY 2018 - FY 2022



CIP Fiscal Year Period FY 2018 - FY 2022

Fund: 421 Dept/Div: 4120

CIP #: CP-WS-18-OP Project #: WS18PR Account #: 31-00 CIP Classification: Professional Services District: City

Project Name: Jerry Sellers WRF Operating Permit Renewal FY Start 2018 Quarter Q4

Project Location: Jerry Sellers WRF FY End 2018 Quarter Q1

## Project Description

Jerry Sellers WRF Operating Permit Renewal

## Project Justification

The operating permit for the Jerry Sellers WRF expires in 2018 and must be renewed.

## Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date	2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
\$65,000	\$0		\$65,000	\$0	\$0	\$0

## Recurring Annual Costs

Operating	\$0
Maintenance	\$0
Personal	\$0
Other Non-Capital	\$0

Total Recurring Costs \$0

## Capital Costs and Proposed Financing by Fiscal Year

2018	\$65,000	Revenue
2019	\$0	\$0 this FY
2020	\$0	\$0 this FY
2021	\$0	\$0 this FY
2022	\$0	\$0 this FY

Total Capital Costs \$65,000

## Financing Comments

CIE\_Designation ☐

# CIP Detail Project Report FY 2018 - FY 2022



CIP Fiscal Year Period FY 2018 - FY 2022

Fund: 421 Dept/Div: 4120

CIP #: CP-WS-18-LP Project #: Account #: 63-00 CIP Classification: Infrastructure District: City

Project Name: LCP No. 1 Rehabilitation FY Start 2020 Quarter Q4

Project Location: Jerry Sellers WRF FY End 2020 Quarter Q1

## Project Description

Rehabilitation of Local Control Panel No. 1.

## Project Justification

Rehabilitation or replacement of aging infrastructure.

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
\$200,000	\$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	\$0	\$0	\$0	\$0

## Recurring Annual Costs

Operating	\$0
Maintenance	\$0
Personal	\$0
Other Non-Capital	\$0

Total Recurring Costs \$0

## Capital Costs and Proposed Financing by Fiscal Year

2018	\$0	\$0 this FY
2019	\$0	\$0 this FY
2020	\$0	\$0 this FY
2021	\$200,000	Revenue
2022	\$0	\$0 this FY

Total Capital Costs \$200,000

## Financing Comments

CIE\_Designation ☐

# CIP Detail Project Report FY 2018 - FY 2022



CIP Fiscal Year Period FY 2018 - FY 2022

Fund: 421 Dept/Div: 4120

CIP #: CP-WS-18-CR Project #: WS1222 Account #: 63-00 CIP Classification: Infrastructure District: City

Project Name: MCC and Conduit Replacement Project (Carry Forward) FY Start 2018 Quarter Q2

Project Location: Jerry Sellers WRF FY End 2018 Quarter Q1

## Project Description

Electrical wire and conduit replacement project

## Project Justification

Project will replace aging infrastructure.

## Strategic Connection: Strategic Plan/Utilities Master Plan

Project identified in the Wastewater Capital Plan.

Total Cost of Project	Total Cost to Date	2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
\$2,500,000	\$1,720,000		\$80,000	\$0	\$700,000	\$0

## Recurring Annual Costs

Operating	\$0
Maintenance	\$0
Personal	\$0
Other Non-Capital	\$0

Total Recurring Costs \$0

## Capital Costs and Proposed Financing by Fiscal Year

		Revenue
2018	\$780,000	
2019	\$0	\$0 this FY
2020	\$0	\$0 this FY
2021	\$0	\$0 this FY
2022	\$0	\$0 this FY

Total Capital Costs \$780,000

## Financing Comments

Carry Forward

CIE\_Designation ☐

# CIP Detail Project Report FY 2018 - FY 2022



CIP Fiscal Year Period FY 2018 - FY 2022

Fund: 421 Dept/Div: 4120

CIP #: CP-WS-18-MP Project #: Account #: 63-00 CIP Classification: Infrastructure District: City

Project Name: Michigan Pond Supplemental Reuse FY Start 2019 Quarter Q4

Project Location: Michigan Pond FY End 2020 Quarter Q1

## Project Description

Upgrades at the Michigan Pond to return reclaimed water to the Jerry Sellers WRF through the existing collection and transmission system.

## Project Justification

During dry periods, it is difficult to meet the reclaimed water demand. Returning water from Michigan Pond will supplement the existing supply.

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date	2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
\$715,000	\$0		\$0	\$0	\$0	\$0

## Recurring Annual Costs

Operating	\$2,000
Maintenance	\$1,000
Personal	\$0
Other Non-Capital	\$0

Total Recurring Costs \$3,000

## Capital Costs and Proposed Financing by Fiscal Year

2018	\$0	\$0 this FY
2019	\$65,000	Revenue
2020	\$650,000	Revenue
2021	\$0	\$0 this FY
2022	\$0	\$0 this FY

Total Capital Costs \$715,000

## Financing Comments

30 years or greater useful life

CIE\_Designation ☐

# CIP Detail Project Report FY 2018 - FY 2022



CIP Fiscal Year Period FY 2018 - FY 2022

Fund: 421 Dept/Div: 4120

CIP #: CP-WS-17-ML Project #: WS1510 Account #: 63-00 CIP Classification: Infrastructure District: City

Project Name: Mud Lake Wetlands FY Start 2019 Quarter Q4

Project Location: Cocoa Conservation Area FY End 2020 Quarter Q1

## Project Description

Feasibility study, permitting, final design, and construction of a reclaimed water application system at Mud Lake in the Cocoa Conservation Area.

## Project Justification

Successfully implementing a reclaimed water application system at the Mud Lake wetlands would provide another disposal alternative for reclaimed water during wet weather, further reducing the need to dispose of reclaimed water in the Indian River Lagoon.

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date	2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
\$1,190,000	\$0		\$40,000	\$0	\$0	\$0

## Recurring Annual Costs

Operating	\$2,000
Maintenance	\$1,000
Personal	\$0
Other Non-Capital	\$0
<b>Total Recurring Costs</b>	<b>\$3,000</b>

## Capital Costs and Proposed Financing by Fiscal Year

2018	\$40,000	Revenue
2019	\$400,000	Revenue
2020	\$750,000	Revenue
2021	\$0	\$0 this FY
2022	\$0	\$0 this FY

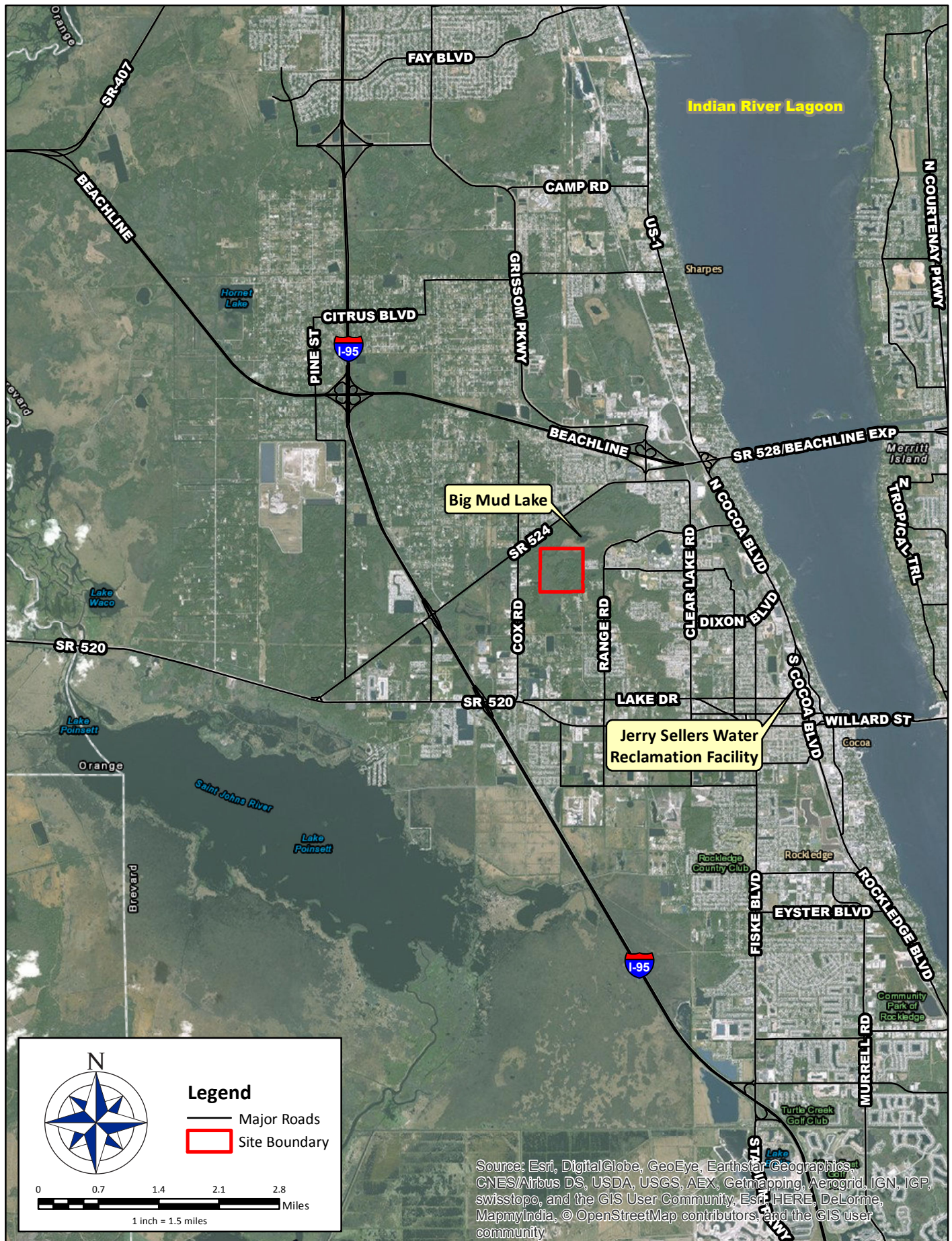
## Financing Comments

30 Year useful life

Total Capital Costs \$1,190,000

CIE\_Designation ☐







# CIP Detail Project Report FY 2018 - FY 2022



CIP Fiscal Year Period FY 2018 - FY 2022

Fund: 421 Dept/Div: 4120

CIP #: CP-WS-18-FR Project #: Account #: 64-00 CIP Classification: Machinery & Equipment District: City

Project Name: New F150 Ref Cab FY Start 2018 Quarter Q4

Project Location: Sewer Field Operations FY End 2018 Quarter Q1

## Project Description

Tranportaion needed for the New Reuse Coordinator position pending approval.

## Project Justification

Tranportaion needed for the New Reuse Coordinator position pending approval.

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date	2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
\$21,200	\$0		\$0	\$0	\$0	\$21,200

## Recurring Annual Costs

Operating	\$0
Maintenance	\$0
Personal	\$0
Other Non-Capital	\$0

Total Recurring Costs \$0

## Capital Costs and Proposed Financing by Fiscal Year

2018	\$21,200	Revenue
2019	\$0	\$0 this FY
2020	\$0	\$0 this FY
2021	\$0	\$0 this FY
2022	\$0	\$0 this FY

Total Capital Costs \$21,200

## Financing Comments

CIE\_Designation ☐



# CIP Detail Project Report FY 2018 - FY 2022



CIP Fiscal Year Period FY 2018 - FY 2022

Fund: 421 Dept/Div: 4120

CIP #: CP-WS-18-WP Project #: Account #: 63-00 CIP Classification: Infrastructure District: City

Project Name: Reclaimed Water Pump Replacement FY Start 2021 Quarter Q4

Project Location: Jerry Sellers WRF FY End 2021 Quarter Q1

## Project Description

Replacement of the existing reclaimed water pumps at the Jerry Sellers WRF.

## Project Justification

Replacement of aging infrastructure.

## Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
\$600,000	\$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	\$0	\$0	\$0	\$0

## Recurring Annual Costs

Operating	\$0
Maintenance	\$0
Personal	\$0
Other Non-Capital	\$0

Total Recurring Costs \$0

## Capital Costs and Proposed Financing by Fiscal Year

2018	\$0	\$0 this FY
2019	\$0	\$0 this FY
2020	\$0	\$0 this FY
2021	\$600,000	Revenue
2022	\$0	\$0 this FY

Total Capital Costs \$600,000

## Financing Comments

CIE\_Designation ☐

# CIP Detail Project Report FY 2018 - FY 2022



CIP Fiscal Year Period FY 2018 - FY 2022

Fund: 421 Dept/Div: 4120

CIP #: CP-WS-18-RM Project #: Account #: 64-00 CIP Classification: Machinery & Equipment District: City

Project Name: Replacement of MCCs 7 and 8 FY Start 2020 Quarter Q4

Project Location: Jerry Sellers WRF FY End 2020 Quarter Q1

## Project Description

Replacement of MCCs 7 and 8 at the Jerry Sellers WRF.

## Project Justification

Project will replace aging infrastructure.

## Strategic Connection: Strategic Plan/Utilities Master Plan

Project was identified in the Wastewater Capital Plan and will replace aging infrastructure.

Total Cost of Project	Total Cost to Date	2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
\$550,000	\$0		\$0	\$0	\$0	\$0

## Recurring Annual Costs

Operating	\$0
Maintenance	\$0
Personal	\$0
Other Non-Capital	\$0

Total Recurring Costs \$0

## Capital Costs and Proposed Financing by Fiscal Year

2018	\$0	\$0 this FY
2019	\$0	\$0 this FY
2020	\$0	\$0 this FY
2021	\$550,000	Revenue
2022	\$0	\$0 this FY

Total Capital Costs \$550,000

## Financing Comments

CIE\_Designation ☐

# CIP Detail Project Report FY 2018 - FY 2022



CIP Fiscal Year Period FY 2018 - FY 2022

Fund: 421 Dept/Div: 4120

CIP #: CP-WS-17-V16 Project #: Account #: 64-00 CIP Classification: Machinery & Equipment District: City

Project Name: Replacement of vehicle #42 (2006 Ford E250 VAN) FY Start 2019 Quarter Q2

Project Location: Field Operations - Water Reclamation FY End 2019 Quarter Q2

## Project Description

Replacement of vehicle #42 (2006 Ford E250 VAN) Serial# 1FTNE24W26DA11486.

## Project Justification

The City of Cocoa Capital Improvement Program implements a systematic replacement of vehicles and equipment to minimize repair & maintenance cost and vehicle equipment down time. The purchase of new vehicles is designed to reduce vehicle obsolescence, safety, parts accessibility and more efficient vehicles.

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
\$30,237	\$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	\$0	\$0	\$0	\$0

## Recurring Annual Costs

Operating	\$0
Maintenance	\$0
Personal	\$0
Other Non-Capital	\$0

Total Recurring Costs \$0

## Capital Costs and Proposed Financing by Fiscal Year

2018	\$0	\$0 this FY
2019	\$30,237	Revenue
2020	\$0	\$0 this FY
2021	\$0	\$0 this FY
2022	\$0	\$0 this FY

Total Capital Costs \$30,237

## Financing Comments

Replace Date: 01/09/2019

CIE\_Designation ☐

# CIP Detail Project Report FY 2018 - FY 2022



CIP Fiscal Year Period FY 2018 - FY 2022

Fund: 421 Dept/Div: 4120

CIP #: CP-WS-17-RT Project #: WS17RT Account #: 63-00 CIP Classification: Infrastructure District: City

Project Name: RTU Replacement FY Start 2018 Quarter Q4

Project Location: Cocoa Collection System FY End 2022 Quarter Q1

## Project Description

Replacement of the existing Motorola MOSCAD L RTU at the lift stations to the Motorola ACE3600, including panel enclosures.

## Project Justification

The Motorola MOSCAD L RTU is currently used in 50 of the City's wastewater lift stations. One lift station does not have a RTU. The MOSCAD L RTU is no longer manufactured and considered an obsolete technology. With little spare parts and replacement RTUs, integration of the new ACE3600 is recommended to maintain system functionality and product support. A new panel enclosure is required to house the new technology and City standard components.

## Strategic Connection: Strategic Plan/Utilities Master Plan

Project will replace aging infrastructure.

Total Cost of Project	Total Cost to Date	2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
\$750,000	\$0		\$0	\$0	\$150,000	\$0

## Recurring Annual Costs

Operating	\$0
Maintenance	\$0
Personal	\$0
Other Non-Capital	\$0
<b>Total Recurring Costs</b>	<b>\$0</b>

## Capital Costs and Proposed Financing by Fiscal Year

2018	\$150,000	Revenue
2019	\$150,000	Revenue
2020	\$150,000	Revenue
2021	\$150,000	Revenue
2022	\$150,000	Revenue

Total Capital Costs \$750,000

## Financing Comments

CIE\_Designation ☐

# CIP Detail Project Report FY 2018 - FY 2022



CIP Fiscal Year Period FY 2018 - FY 2022

Fund: 421 Dept/Div: 4120

CIP #: CP-WS-18-TR Project #: Account #: 63-00 CIP Classification: Infrastructure District: City

Project Name: Tank recoating project FY Start 2022 Quarter Q4

Project Location: Jerry Sellers WRF FY End 2022 Quarter Q1

## Project Description

Recoating of tanks at the Jerry Sellers WRF.

## Project Justification

Recoating of tanks to protect structures.

## Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date	2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
\$250,000	\$0		\$0	\$0	\$0	\$0

## Recurring Annual Costs

Operating	\$0
Maintenance	\$0
Personal	\$0
Other Non-Capital	\$0

Total Recurring Costs \$0

## Capital Costs and Proposed Financing by Fiscal Year

2018	\$0	\$0 this FY
2019	\$0	\$0 this FY
2020	\$0	\$0 this FY
2021	\$0	\$0 this FY
2022	\$250,000	Revenue

Total Capital Costs \$250,000

## Financing Comments

CIE\_Designation ☐

# CIP Detail Project Report FY 2018 - FY 2022



CIP Fiscal Year Period FY 2018 - FY 2022

Fund: 421 Dept/Div: 4120

CIP #: CP-WS-18-TP Project #: Account #: 63-00 CIP Classification: Infrastructure District: City

Project Name: Transfer pump replacement FY Start 2021 Quarter Q4

Project Location: Jerry Sellers WRF FY End 2021 Quarter Q1

## Project Description

Replacement of the existing transfer pumps at the Jerry Sellers WRF.

## Project Justification

Replacement of aging infrastructure.

## Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date	2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
\$430,000	\$0		\$0	\$0	\$0	\$0

## Recurring Annual Costs

Operating	\$0
Maintenance	\$0
Personal	\$0
Other Non-Capital	\$0

Total Recurring Costs \$0

## Capital Costs and Proposed Financing by Fiscal Year

2018	\$0	\$0 this FY
2019	\$0	\$0 this FY
2020	\$0	\$0 this FY
2021	\$430,000	Revenue
2022	\$0	\$0 this FY

Total Capital Costs \$430,000

## Financing Comments

CIE\_Designation ☐

# CIP Detail Project Report FY 2018 - FY 2022



CIP Fiscal Year Period FY 2018 - FY 2022

Fund: 421 Dept/Div: 4120

CIP #: CP-WS-18-DC Project #: Account #: 63-00 CIP Classification: Infrastructure District: City

Project Name: UV Disinfection Conversion FY Start 2022 Quarter Q4

Project Location: Jerry Sellers WRF FY End 2022 Quarter Q1

## Project Description

Conversion from sodium hypochlorite to UV disinfection at the Jerry Sellers WRF.

## Project Justification

Replacement of aging infrastructure.

## Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date	2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
\$2,530,000	\$0		\$0	\$0	\$0	\$0

## Recurring Annual Costs

Operating	\$0
Maintenance	\$0
Personal	\$0
Other Non-Capital	\$0

Total Recurring Costs \$0

## Capital Costs and Proposed Financing by Fiscal Year

2018	\$0	\$0 this FY
2019	\$0	\$0 this FY
2020	\$0	\$0 this FY
2021	\$0	\$0 this FY
2022	\$2,530,000	Revenue

Total Capital Costs \$2,530,000

## Financing Comments

CIE\_Designation ☐



# CIP Detail Project Report FY 2018 - FY 2022



CIP Fiscal Year Period FY 2018 - FY 2022

Fund: 421 Dept/Div: 4120

CIP #: CP-WS-17-VI Project #: WS17VA Account #: 63-00 CIP Classification: Infrastructure District: City

Project Name: Valve Identification Project

FY Start 2017 Quarter Q4

Project Location: Jerry Seller WRF

FY End 2017 Quarter Q1

## Project Description

Locating and Identifying all wastewater and reclaimed water valve assets on the Jerry Sellers WRF and inputting data in a GIS database. Data will includes valve type, valves size, and valve location.

## Project Justification

The Jerry Sellers WRF was constructed in multiple phases over a period of 60 years. There a numerous valves on site with unknown locations and purposes. The project would provide a database of valves and function for use by plant operation staff.

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
\$60,000	\$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	\$60,000	\$0	\$0	\$0

## Recurring Annual Costs

Operating	\$0
Maintenance	\$0
Personal	\$0
Other Non-Capital	\$0
<b>Total Recurring Costs</b>	<b>\$0</b>

## Capital Costs and Proposed Financing by Fiscal Year

2018	\$60,000	Revenue
2019	\$0	\$0 this FY
2020	\$0	\$0 this FY
2021	\$0	\$0 this FY
2022	\$0	\$0 this FY

Total Capital Costs \$60,000

## Financing Comments

CIE\_Designation ☐

# CIP Detail Project Report FY 2018 - FY 2022



CIP Fiscal Year Period FY 2018 - FY 2022

Fund: 421 Dept/Div: 4120

CIP #: CP-WS-17-V2 Project #: Account #: 64-00 CIP Classification: Machinery & Equipment District: City

Project Name: Water Reclamation E250 Van

FY Start 2018 Quarter Q2

Project Location: Wastewater

FY End 2018 Quarter Q2

## Project Description

2005 E250 Ford Van Vin #1FTNE24L75HB45908.

## Project Justification

City of Cocoa Active Fleet.

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
\$56,000	\$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	\$0	\$0	\$56,000	\$0

## Recurring Annual Costs

Operating	\$0
Maintenance	\$0
Personal	\$0
Other Non-Capital	\$0

Total Recurring Costs \$0

## Capital Costs and Proposed Financing by Fiscal Year

2018	\$56,000	Revenue
2019	\$0	\$0 this FY
2020	\$0	\$0 this FY
2021	\$0	\$0 this FY
2022	\$0	\$0 this FY

Total Capital Costs \$56,000

## Financing Comments

CIE\_Designation ☐

# CIP Detail Project Report FY 2018 - FY 2022



**CIP Fiscal Year Period** FY 2018 - FY 2022

**Fund:** 421 **Dept/Div:** 4125

CIP #: CP-WS-17-R3 Project #: WS0904 Account #: 63-00 CIP Classification: Infrastructure District: City

Project Name: CIPP Rehabilitation Phases 3 - 6 FY Start 2018 Quarter Q3

Project Location: Cocoa Collection System FY End 2018 Quarter Q1

## Project Description

Rehabilitation of CIPP of select gravity sewers in the Lift Station 10, 13, and 21 service areas and Lift Station 2 service area South of King St. (SR 520) in FY18. Rehabilitation of CIPP of select gravity sewers in the lift Station 15, 17 and 18 service areas in FY19. Rehabilitation of CIPP of select gravity sewers in the Lift Station 4, 5, 6 and 7 service areas in FY2020. Rehabilitation of CIPP of various gravity sewers selected based on the results of the cleaning and CCTV data in FY2021.

## Project Justification

After an analysis of the collection system through CCTV data and the wastewater hydraulic model, pipes in this project were identified to have excessive structural defects including (but not limited to) cracks, fractures, holes, broken pipe, and infiltration. Infiltration contributes to hydraulic deficiencies, increased risk of SSO, and increased flows at the wastewater treatment plant, causing unnecessary treatment and increased treatment costs.

## Strategic Connection: Strategic Plan/Utilities Master Plan

Project will rehabilitate aging infrastructure essential to the sanitary sewer collection system.

Total Cost of Project	Total Cost to Date	2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
\$1,600,000	\$0		\$35,000	\$0	\$365,000	\$0

## Recurring Annual Costs

Operating	\$0
Maintenance	\$0
Personal	\$0
Other Non-Capital	\$0
<b>Total Recurring Costs</b>	<b>\$0</b>

## Capital Costs and Proposed Financing by Fiscal Year

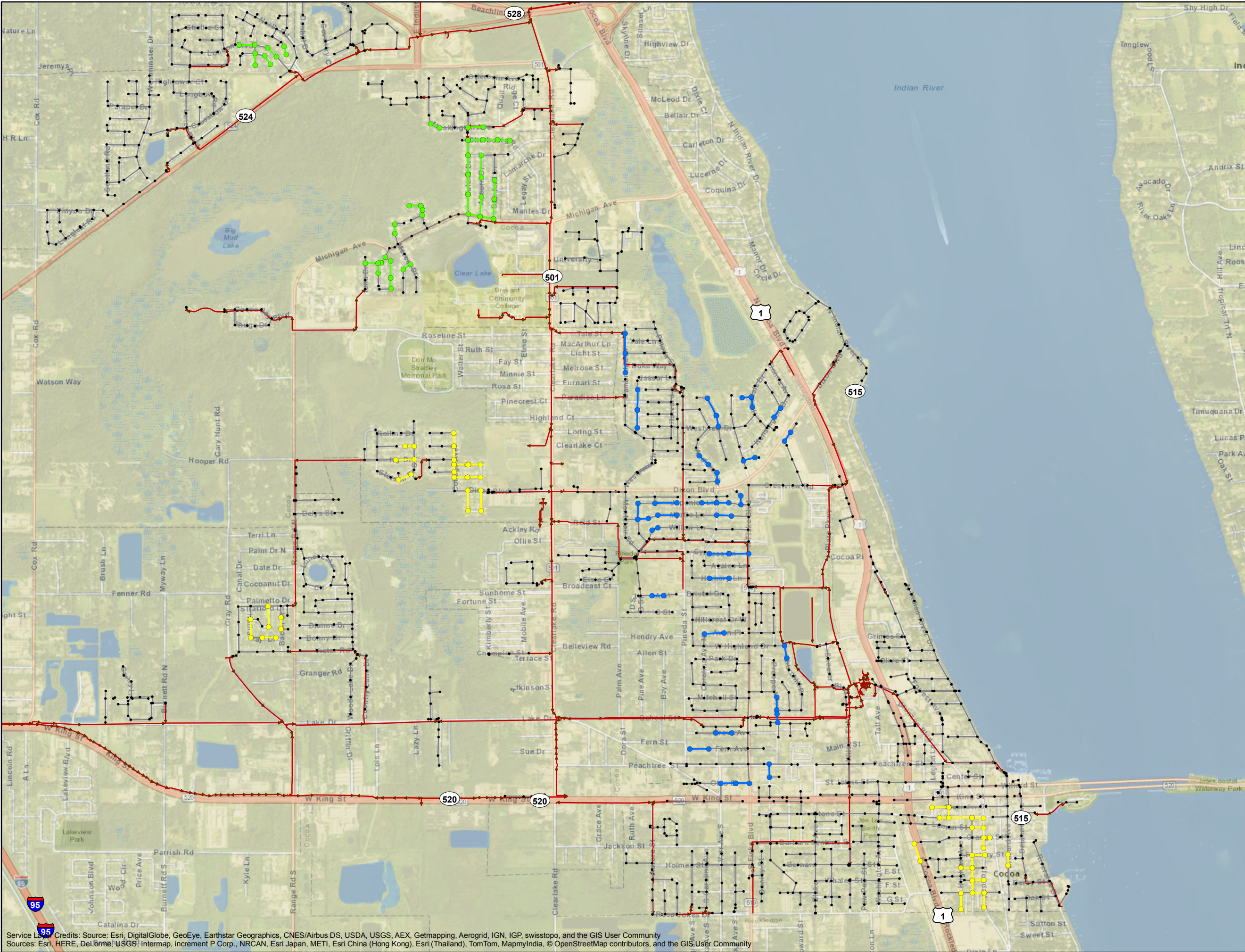
2018	\$400,000	Revenue
2019	\$400,000	Revenue
2020	\$400,000	Revenue
2021	\$400,000	Revenue
2022	\$0	\$0 this FY

## Financing Comments

**Total Capital Costs** \$1,600,000

CIE\_Designation ☐





Prepared For:

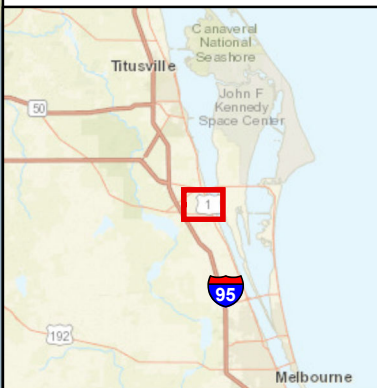
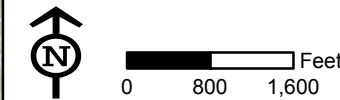


Prepared By:



### Legend

- Existing Sewer Manhole
- Existing Gravity Sewer
- Existing Forcemain
- CIPP Phase 3 Manholes
- CIPP Phase 3 Gravity Sewer
- CIPP Phase 4 Manholes
- CIPP Phase 4 Gravity Sewer
- CIPP Phase 5 Manholes
- CIPP Phase 5 Gravity Sewer



### Wastewater Collection System Evaluation

City of Cocoa, Florida

CIPP Improvement Projects  
Phases 3, 4 & 5

CP-WS-17-R3



# CIP Detail Project Report FY 2018 - FY 2022



CIP Fiscal Year Period FY 2018 - FY 2022

Fund: 421 Dept/Div: 4125

CIP #: CP-WS-18-SR Project #: Account #: 63-00 CIP Classification: Infrastructure District: City

Project Name: Lift Station No. 1 Replacement FY Start 2021 Quarter Q4

Project Location: Cocoa Collection System FY End 2021 Quarter Q1

## Project Description

Lift Station No. 1 Replacement.

## Project Justification

Replacement of aging infrastructure.

## Strategic Connection: Strategic Plan/Utilities Master Plan

Project is identified in the Wastewater Capital Plan and will replace aging infrastructure.

Total Cost of Project	Total Cost to Date	2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
\$700,000	\$0		\$0	\$0	\$0	\$0

## Recurring Annual Costs

Operating	\$0
Maintenance	\$0
Personal	\$0
Other Non-Capital	\$0

Total Recurring Costs \$0

## Capital Costs and Proposed Financing by Fiscal Year

2018	\$0	\$0 this FY
2019	\$0	\$0 this FY
2020	\$0	\$0 this FY
2021	\$700,000	Revenue
2022	\$0	\$0 this FY

Total Capital Costs \$700,000

## Financing Comments

CIE\_Designation ☐

# CIP Detail Project Report FY 2018 - FY 2022



CIP Fiscal Year Period FY 2018 - FY 2022

Fund: 421 Dept/Div: 4125

CIP #: CP-WS-17-V18 Project #: Account #: 63-00 CIP Classification: Infrastructure District: City

Project Name: Replacement of vehicle #53 (2009 Ford F250 UTILITY)

FY Start 2021 Quarter Q2

Project Location: Field Operations - Sewer

FY End 2021 Quarter Q2

## Project Description

Replacement of vehicle #53 (2009 Ford F250 UTILITY) Serial# 1FTNF20569EA32026.

## Project Justification

The City of Cocoa Capital Improvement Program implements a systematic replacement of vehicles and equipment to minimize repair & maintenance cost and vehicle equipment down time. The purchase of new vehicles is designed to reduce vehicle obsolescence, safety, parts accessibility and more efficient vehicles.

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
\$38,100	\$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	\$0	\$0	\$0	\$0

## Recurring Annual Costs

Operating	\$0
Maintenance	\$0
Personal	\$0
Other Non-Capital	\$0

Total Recurring Costs \$0

## Capital Costs and Proposed Financing by Fiscal Year

2018	\$0	\$0 this FY
2019	\$0	\$0 this FY
2020	\$0	\$0 this FY
2021	\$38,100	Revenue
2022	\$0	\$0 this FY

Total Capital Costs \$38,100

## Financing Comments

Replace Date: 10/09/2020

CIE\_Designation ☐

# CIP Detail Project Report FY 2018 - FY 2022



CIP Fiscal Year Period FY 2018 - FY 2022

Fund: 421 Dept/Div: 4125

CIP #: CP-WS-17-V1 Project #: WW-33 Account #: 64-00 CIP Classification: Machinery & Equipment District: City

Project Name: Water Reclamation Fleet E250 Van FY Start 2019 Quarter Q2

Project Location: Field Operations - Wastewater FY End 2019 Quarter Q2

## Project Description

Purchase of 2006 E250 Ford Van. Vin # 1FTNE24W26DA11486.

## Project Justification

New vehicle required for daily operations.

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date	2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
\$30,237	\$0		\$0	\$0	\$0	\$0

## Recurring Annual Costs

Operating	\$0
Maintenance	\$0
Personal	\$0
Other Non-Capital	\$0

Total Recurring Costs \$0

## Capital Costs and Proposed Financing by Fiscal Year

2018	\$0	\$0 this FY
2019	\$0	\$0 this FY
2020	\$30,237	Revenue
2021	\$0	\$0 this FY
2022	\$0	\$0 this FY

Total Capital Costs \$30,237

## Financing Comments

CIE\_Designation ☐



# CIP Detail Project Report FY 2018 - FY 2022



CIP Fiscal Year Period FY 2018 - FY 2022

Fund: 421 Dept/Div: 4125

CIP #: CP-WS-17-V3 Project #: WW-36 Account #: 64-00 CIP Classification: Machinery & Equipment District: City

Project Name: WFO Sewer F250 Utility Ford FY Start 2018 Quarter Q2

Project Location: Field Operations - Wastewater FY End 2018 Quarter Q1

## Project Description

Purchase of 2009 F250 Ford Utility Truck. Vin # 1FTNF20569EA32026.

## Project Justification

New vehicle required for daily operations.

## Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date	2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
\$38,100	\$0		\$0	\$0	\$0	\$0

## Recurring Annual Costs

Operating	\$0
Maintenance	\$0
Personal	\$0
Other Non-Capital	\$0

Total Recurring Costs \$0

## Capital Costs and Proposed Financing by Fiscal Year

2018	\$0	\$0 this FY
2019	\$0	\$0 this FY
2020	\$0	\$0 this FY
2021	\$38,100	Reserves
2022	\$0	\$0 this FY

Total Capital Costs \$38,100

## Financing Comments

CIE\_Designation ☐

# CIP Detail Project Report FY 2018 - FY 2022



CIP Fiscal Year Period FY 2018 - FY 2022

Fund: 421 Dept/Div: 4125

CIP #: CP-WS-17-V4 Project #: WW-37 Account #: 64-00 CIP Classification: Machinery & Equipment District: City

Project Name: WFO Sewer F450 Dump Ford FY Start 2021 Quarter Q2

Project Location: Field Operations - Wastewater FY End 2021 Quarter Q2

## Project Description

Purchased of 2001 F450 Ford Dump Truck. Vin # 1FDXF46F81EB77802.

## Project Justification

New vehicle required for daily operations.

## Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date	2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
\$75,900	\$0		\$0	\$0	\$0	\$0

## Recurring Annual Costs

Operating	\$0
Maintenance	\$0
Personal	\$0
Other Non-Capital	\$0

Total Recurring Costs \$0

## Capital Costs and Proposed Financing by Fiscal Year

2018	\$0	\$0 this FY
2019	\$0	\$0 this FY
2020	\$0	\$0 this FY
2021	\$75,900	Revenue
2022	\$0	\$0 this FY

Total Capital Costs \$75,900

## Financing Comments

CIE\_Designation ☐

City of Cocoa Capital Improvement Plan  
FY 2018 through FY 2022

**Stormwater Enterprise Fund Projects**



# CIP Detail Project Report FY 2018 - FY 2022



CIP Fiscal Year Period FY 2018 - FY 2022

Fund: 423 Dept/Div: 3570

CIP #: CP-SW-11-Cra Project #: PW08CG Account #: 63-00 CIP Classification: Infrastructure District: City

Project Name: Annual Curb & Gutter R&M Program FY Start 2018 Quarter Q4

Project Location: City Wide FY End 2022 Quarter Q1

## Project Description

Annual maintenance and replacement of sub-standard, deteriorated and non-existing curb. Some survey services from outside contractors may be included with this item for proper installation of new curb to the proper slope.

## Project Justification

Annual maintenance and replacement of sub-standard, deteriorated and non-existing curb. Some survey services from outside contractors may be included with this item for proper installation of new curb to the proper slope.

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date	2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
\$250,000	\$0		\$0	\$0	\$50,000	\$0

## Recurring Annual Costs

Operating	\$0
Maintenance	\$0
Personal	\$0
Other Non-Capital	\$0

Total Recurring Costs \$0

## Capital Costs and Proposed Financing by Fiscal Year

2018	\$50,000	Revenue
2019	\$50,000	Revenue
2020	\$50,000	Revenue
2021	\$50,000	Revenue
2022	\$50,000	Revenue

Total Capital Costs \$250,000

## Financing Comments

CIE\_Designation ☐

# CIP Detail Project Report FY 2018 - FY 2022



**CIP Fiscal Year Period** FY 2018 - FY 2022

**Fund:** 423 **Dept/Div:** 3570

CIP #: CP-SW-11-CR Project #: SW08PL Account #: 63-00 CIP Classification: Infrastructure District: City

Project Name: Annual Cured in Place Pipe Lining FY Start 2018 Quarter Q4

Project Location: City wide FY End 2022 Quarter Q1

## Project Description

Cured in place pipe lining for the cities many miles of old metal drainage pipes through out the city.

## Project Justification

There are old metal pipes throughout the city in various diameters that carry stormwater throughout the city's drainage system. When these pipes fail, flow is blocked, and flooding results. A failed pipe also allows soil to enter the pipe, causing damage to roads, structures and yards. By lining these pipes it reduces the amount of material entering the river, reduces flooding risks, and decreases damage. Each pipe is approximately 100 feet in length and the average price per foot ranges from \$40 to \$100 per foot, depending on pipe size and condition.

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date	2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
\$1,000,000	\$0		\$0	\$0	\$200,000	\$0

## Recurring Annual Costs

Operating	\$0
Maintenance	\$0
Personal	\$0
Other Non-Capital	\$0

Total Recurring Costs \$0

## Capital Costs and Proposed Financing by Fiscal Year

2018	\$200,000	Revenue
2019	\$200,000	Revenue
2020	\$200,000	Revenue
2021	\$200,000	Revenue
2022	\$200,000	Revenue

Total Capital Costs \$1,000,000

## Financing Comments

CIE\_Designation ☐

# CIP Detail Project Report FY 2018 - FY 2022



CIP Fiscal Year Period FY 2018 - FY 2022

Fund: 423 Dept/Div: 3570

CIP #: CP-PW-17-FY Project #: PW17SI Account #: 63-00 CIP Classification: Infrastructure District: D1

Project Name: Fiske Blvd Complete Streets Roadway, and Sidewalk Improvements Phase 3 (General Fund) FY Start 2018 Quarter Q4

Project Location: Fiske Blvd FY End 2018 Quarter Q1

## Project Description

Construct drainage and sidewalks, replace water main, reconstruct roadway and provide landscaping from Highland Ave to Peachtree Street

## Project Justification

Fiske Blvd from Highland Ave to Peachtree St has poor surface drainage, sub-standard sidewalks and the roadway is in poor condition. These improvements will improve drainage and create a safer environment for citizens

## Strategic Connection: Operational

Sidewalks, enhanced lighting and improved drainage provides a safe environment

Total Cost of Project	Total Cost to Date	2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
\$140,000	\$0		\$0	\$0	\$140,000	\$0

## Recurring Annual Costs

Operating	\$0
Maintenance	\$0
Personal	\$0
Other Non-Capital	\$0

Total Recurring Costs \$0

## Capital Costs and Proposed Financing by Fiscal Year

2018	\$140,000	Combination
2019	\$0	\$0 this FY
2020	\$0	\$0 this FY
2021	\$0	\$0 this FY
2022	\$0	\$0 this FY

Total Capital Costs \$140,000

## Financing Comments

Possible funding through the SCTPO and FDOT  
1,750,000 funded by General funds  
140,000 funded by Stormwater

CIE\_Designation ☐

# CIP Detail Project Report FY 2018 - FY 2022



CIP Fiscal Year Period FY 2018 - FY 2022

Fund: 423 Dept/Div: 3570

CIP #: CP-PW-17-HS Project #: SW17HS Account #: 63-00 CIP Classification: Infrastructure District: D1

Project Name: Harrison Street Streetscape (Stormwater portion) FY Start 2018 Quarter Q4

Project Location: Cocoa Village FY End 2018 Quarter Q1

## Project Description

Project to include improve drainage, provide bus parking, improve sidewalks, lighting, as well as landscaping and striping

## Project Justification

Harrison Street is a mixed use area with commercial businesses on one side and Riverfront Park on the other. These improvements will improve the overall appearance of this area

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date
\$95,867	\$0

2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
	\$0	\$0	\$0	\$0

## Recurring Annual Costs

Operating	\$0
Maintenance	\$0
Personal	\$0
Other Non-Capital	\$0

Total Recurring Costs \$0

## Capital Costs and Proposed Financing by Fiscal Year

2018	\$0	\$0 this FY
2019	\$95,867	Revenue
2020	\$0	\$0 this FY
2021	\$0	\$0 this FY
2022	\$0	\$0 this FY

Total Capital Costs \$95,867

## Financing Comments

The Capital Cost is the portion being funded by the Cocoa CRA TIF. Split between the Utility Fund, Stormwater Fund and the Cocoa CRA (110) Fund

CIE\_Designation ☐



# CIP Detail Project Report FY 2018 - FY 2022



CIP Fiscal Year Period FY 2018 - FY 2022

Fund: 423 Dept/Div: 3570

CIP #: CP-SW-12-IR Project #: SW1503 Account #: 63-00 CIP Classification: Infrastructure District: City

Project Name: Indian River Drive Baffle Box FY Start 2019 Quarter Q4

Project Location: Indian River Drive FY End 2022 Quarter Q1

## Project Description

Install baffle boxes on Indian River Drive (IRD) outfall pipes.

## Project Justification

To meet increasingly strict water quality standards, water quality flowing from IRD to the lagoon must be improved. Due to limited property, installation of nutrient-removal baffle boxes is the only practical way to improve water quality in this area. Installation of four baffle boxes at \$20,000 each is proposed each year. The goal is to have all outfalls treated in 10 years.

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date	2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
\$320,000	\$0		\$0	\$0	\$0	\$0

## Recurring Annual Costs

Operating	\$0
Maintenance	\$0
Personal	\$0
Other Non-Capital	\$0

Total Recurring Costs \$0

## Capital Costs and Proposed Financing by Fiscal Year

2018	\$0	\$0 this FY
2019	\$80,000	Revenue
2020	\$80,000	Revenue
2021	\$80,000	Revenue
2022	\$80,000	Revenue

Total Capital Costs \$320,000

## Financing Comments

CIE\_Designation ☐

# CIP Detail Project Report FY 2018 - FY 2022



CIP Fiscal Year Period FY 2018 - FY 2022

Fund: 423 Dept/Div: 3570

CIP #: CP-SW-17-MB Project #: Account #: 64-00 CIP Classification: Machinery & Equipment District: City

Project Name: Mechanical Broom Sweeper FY Start 2018 Quarter Q4

Project Location: City FY End 2018 Quarter Q1

## Project Description

The Stormwater division would like to replace its vacuum air sweeper. With a mechanical sweeper for sweeping the city streets it would allow for a more diverse sweeping of the city streets. This Sweeper is a different type. It allows for sweeping of the city streets during different times of the year.

## Project Justification

The Stormwater division would like to replace its vacuum air sweeper. With a mechanical sweeper for sweeping the city streets it would allow for more diverse sweeping of the city streets. This Sweeper is a different type. It allows for sweeping of the city streets during different times of the year.

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date	2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
\$310,000	\$0		\$0	\$0	\$0	\$0

## Recurring Annual Costs

Operating	\$0
Maintenance	\$0
Personal	\$0
Other Non-Capital	\$0
<b>Total Recurring Costs</b>	<b>\$0</b>

## Capital Costs and Proposed Financing by Fiscal Year

2018	\$0	\$0 this FY
2019	\$310,000	Revenue
2020	\$0	\$0 this FY
2021	\$0	\$0 this FY
2022	\$0	\$0 this FY

Total Capital Costs \$310,000

## Financing Comments

CIE\_Designation ☐

# CIP Detail Project Report FY 2018 - FY 2022



CIP Fiscal Year Period FY 2018 - FY 2022

Fund: 423 Dept/Div: 3570

CIP #: CP-SW-12-RR Project #: SW1301 Account #: 63-00 CIP Classification: Infrastructure District: D3

Project Name: Pipe Range Road Drainage Ditch FY Start 2020 Quarter Q4

Project Location: Range Road FY End 2020 Quarter Q1

## Project Description

Install 3000 feet of Surplus 48" DIP water pipe and inlets on Range Road from Hooper Rd. north to Cocoa Bay Blvd.

## Project Justification

Range Road is a heavy traveled road between SR 520 and Rosentine consisting of residential properties. Presently there is an open ditch conveyance system to collect stormwater. By piping this ditch it will reduce maintenance costs and even more importantly reduce safety issues. Public Works proposes this work to be done in three phases with the first phase being engineering, then two construction phases consisting of 1500 feet each.

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date	2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
\$250,000	\$0		\$0	\$0	\$0	\$0

## Recurring Annual Costs

Operating	\$0
Maintenance	\$0
Personal	\$0
Other Non-Capital	\$0

Total Recurring Costs \$0

## Capital Costs and Proposed Financing by Fiscal Year

2018	\$0	\$0 this FY
2019	\$0	\$0 this FY
2020	\$250,000	Revenue
2021	\$0	\$0 this FY
2022	\$0	\$0 this FY

Total Capital Costs \$250,000

## Financing Comments

PD&E cost \$25,000 Construction/Rehab cost 225,000

CIE\_Designation ☐

# CIP Detail Project Report FY 2018 - FY 2022



CIP Fiscal Year Period FY 2018 - FY 2022

Fund: 423 Dept/Div: 3570

CIP #: CP-PW-18-SS Project #: Account #: 63-00 CIP Classification: Infrastructure District: City

Project Name: Stone street Corridor Streetscaping (Stormwater portion) FY Start 2018 Quarter Q2

Project Location: Fiske Boulevard to the western side of the F.E.C. Railroad. FY End 2019 Quarter Q1

## Project Description

Streetscaping of Stone Street Commercial Corridor. Design and Engineering in FY 2018 and construction could begin in Q4 of FY 2017.

## Project Justification

This project will redevelop this culturally significant commercial corridor

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date	2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
\$120,414	\$0		\$0	\$0	\$120,414	\$0

## Recurring Annual Costs

Operating	\$0
Maintenance	\$0
Personal	\$0
Other Non-Capital	\$0

Total Recurring Costs \$0

## Capital Costs and Proposed Financing by Fiscal Year

2018	\$120,414	Revenue
2019	\$0	\$0 this FY
2020	\$0	\$0 this FY
2021	\$0	\$0 this FY
2022	\$0	\$0 this FY

Total Capital Costs \$120,414

## Financing Comments

A combination of TIF and other funding sources will be used for this project. This project is split between the General Fund, Utility Fund and Stormwater Fund.

CIE\_Designation ☐

# CIP Detail Project Report FY 2018 - FY 2022



CIP Fiscal Year Period FY 2018 - FY 2022

Fund: 423 Dept/Div: 3570

CIP #: CP-SW-18-AM Project #: Account #: 31-00 CIP Classification: Professional Services District: City

Project Name: Stormwater GIS Asset Mapping FY Start 2018 Quarter Q4

Project Location: City Wide FY End 2019 Quarter Q1

## Project Description

Map and enter stormwater pipes, manholes, catch basins, and other assets in GIS Data base

## Project Justification

The city's NPDES permit requires the city to have an inventory of its physical assets. Currently, old mylar maps are the primary method of asset management. Cocoa has invested in a GIS system to manage its assets city wide. In order to enter stormwater assets into the database, they must be located in the field, inspected and described as to the condition and material. Brevard County has offered to provide these services to the city. The advantage to having the county provide this service would be a seamless database system as storm water naturally flows between the city and county boundaries.

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date	2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
\$130,000	\$0		\$0	\$0	\$80,000	\$0

## Recurring Annual Costs

Operating	\$0
Maintenance	\$0
Personal	\$0
Other Non-Capital	\$0

Total Recurring Costs \$0

## Capital Costs and Proposed Financing by Fiscal Year

2018	\$80,000	Revenue
2019	\$50,000	Revenue
2020	\$0	\$0 this FY
2021	\$0	\$0 this FY
2022	\$0	\$0 this FY

Total Capital Costs \$130,000

## Financing Comments

CIE\_Designation ☐

# CIP Detail Project Report FY 2018 - FY 2022



CIP Fiscal Year Period FY 2018 - FY 2022

Fund: 423 Dept/Div: 3570

CIP #: CP-SW-17-FA Project #: Account #: 63-00 CIP Classification: Infrastructure District: D2

Project Name: US1 and Forrest Ave Stormwater Facility FY Start 2018 Quarter Q4

Project Location: Intersection of US 1 and Forrest Ave FY End 2019 Quarter Q1

## Project Description

Construct a dry retention pond for storm water treatment prior to entering the Indian River

## Project Justification

The City of Cocoa obtained this property from the Florida Department of Transportation. The location will allow the city to construct a dry retention pond to treat storm water prior to entering the Indian River

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date	2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
\$385,000	\$0		\$32,000	\$0	\$0	\$218,000

## Recurring Annual Costs

Operating	\$0
Maintenance	\$0
Personal	\$0
Other Non-Capital	\$0

Total Recurring Costs \$0

## Capital Costs and Proposed Financing by Fiscal Year

2018	\$250,000	Revenue
2019	\$135,000	Revenue
2020	\$0	\$0 this FY
2021	\$0	\$0 this FY
2022	\$0	\$0 this FY

Total Capital Costs \$385,000

## Financing Comments

CIE\_Designation ☐

# CIP Detail Project Report FY 2018 - FY 2022



CIP Fiscal Year Period FY 2018 - FY 2022

Fund: 423 Dept/Div: 3570

CIP #: CP-PW-18-YI Project #: Account #: 64-00 CIP Classification: Machinery & Equipment District: D1

Project Name: Yale Industrial Forklift FY Start 2018 Quarter Q4

Project Location: Public Works FY End 2018 Quarter Q1

## Project Description

Replacement forklift for Public Works

## Project Justification

The current forklift was inherited from the utility department in 2007. It was 10 years old at the time. It does not have the lift capacity or the reach or the safety features needed for what the division needs. The new forklift will have a 5000 pound capacity and a higher reach, plus enhanced safety features thus making the operation safer for the operator as well as other workers who may be near by

Strategic Connection: Operational

N/A

Total Cost of Project	Total Cost to Date	2018 Costs	PD & E	Land Purchase	Construction/Rehab	Miscellaneous
\$32,000	\$0		\$0	\$0	\$0	\$32,000

## Recurring Annual Costs

Operating	\$100
Maintenance	\$100
Personal	\$0
Other Non-Capital	\$0
<b>Total Recurring Costs</b>	<b>\$200</b>

## Capital Costs and Proposed Financing by Fiscal Year

2018	\$32,000	Revenue
2019	\$0	\$0 this FY
2020	\$0	\$0 this FY
2021	\$0	\$0 this FY
2022	\$0	\$0 this FY

Total Capital Costs \$32,000

## Financing Comments

CIE\_Designation ☐