

Fort Pierce Utilities Authority

FORT PIERCE, FLORIDA



Capital Budget

Fiscal Year Ending September 30, 2018

**FORT PIERCE UTILITIES AUTHORITY
CAPITAL BUDGET
FY 2018**

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Fort Pierce Utilities Authority



Memorandum

To:	Clayton W. Lindstrom, P.E., Director of Utilities
Through:	Nina B. Penick, CPA, Director of Financial Services
From:	Barbara A. Mika, Controller
Date:	May 30, 2017
Subject:	FY 2018 Capital Budget Totaling \$25,167,435

RECOMMENDATION:

Approve FPUA's FY 2018 Capital Budget, which totals \$25,167,435, and authorize staff to carry over budgeted funds for partially completed projects which remain from FY 2017 and spend those funds in FY 2018 without additional Board approval.

SUMMARY/SUPPORTING INFORMATION:

Attached for your review and approval is the proposed Capital Budget for FY 2018, in the amount of \$25,167,435, including contingency funding of \$500,000 and carryover funding of \$2,000,000. It will be combined with the Operations & Maintenance Budget to form the Annual Budget for FY 2018. This year's budget has been prepared with strategic planning priorities in mind, along with FPUA's commitment to our customers of limiting the need for future rate increases.

The FY 2018 Capital Budget includes funding for improvements to aging infrastructure in order to maintain the quality and reliability of its services. FPUA's coordination of efforts with the City of Fort Pierce, St. Lucie County and Florida Department of Transportation roadway plans will benefit all entities with the efficient completion of these projects. Government and regulatory required projects account for 26% of the total budget. In order to fund some of these renewal and replacement projects, while limiting the impact on water and wastewater rates, FPUA is in the process of applying for approximately \$3.7 million of State Revolving Fund loan funding. The essential replacement of the Water Treatment Plant gravity thickener will be completed in the upcoming year, and the design and tank procurement for the Bulk Chemical Containment water plant project will occur. The pumping and electrical equipment upgrade at Lift Station E, which will increase its capacity, continues along with multiple other lift station replacements and improvements. The continuation of the Sea Winds 12-inch water main project will allow water service connections with three condominiums, increasing water revenues and improving water quality on the southern end of the South Hutchinson Island distribution system. The four clarifiers at the Water Reclamation Facility will have new mechanical mechanisms installed over the next two years.

At the end of each fiscal year, funding for some capital projects remains unspent due to unexpected delays. In an effort to reduce the need for budget transfers to complete these projects, for which funding has already been approved, staff is requesting authorization to carry over budgeted funds for partially completed projects which remain from FY 2017 and spend those funds in FY 2018 without additional Board approval. At the end of each fiscal year, a report on those capital projects requiring carryover funds, including the amounts spent, amounts to be carried over, and percent complete, will be provided to the Board as an information item.

The proposed FY 2018 Capital Budget consists of the following major projects which account for 54% of the total:

<u>PROJECT DESCRIPTION</u>	<u>SYSTEM(S)</u>	<u>FY 2018 AMOUNT</u>
Ave M - 25th to 13th	W,WW	\$ 1,871,000
Main/Service/Valve Replacements	W,WW	1,765,000
2nd DIW at MWRF	WW	1,520,000
Lift Station Replacements & Upgrades	WW	1,135,000
Subaqueous Main Stabilization	W,WW	1,125,000
IWRF Clarifier Rehabilitation	WW	968,000
Midway Road	G,W,WW	910,000
Ohio - Oleander to US1	W,WW	905,000
Wendell Road	W,WW	900,000
Bulk Chemical Containments	W	890,000
WTP Gravity Thickener	W	791,000
Governmental & Other Required	E,G,W,WW	691,000

The summary of the proposed funding of the FY 2018 Capital Budget can be found on page 13. The portion of the FY 2018 Capital Budget that will be funded by rates is \$14,726,233 or 59% of the total budget. Contributions from outside sources are expected to fund 17% and State Revolving Fund loans, if approved, will fund another 15% of the FY 2018 Capital Budget. If FPUA's rates and those other outside sources of funding are not adequate to fully fund the budget, management will evaluate and propose the use of budgeted contingencies.

The remaining 10% of the Capital Budget is identified as contingency and carryover funding. Contingency funds will only be used as a result of unforeseen events. All requests for use of contingency funds will be submitted to the FPUA Board for approval. In the event that contingencies are drawn upon, they will be funded through cash reserves and/or contributions from outside sources.

The multiplicity of requirements by regulatory and governmental agencies demands a considerable amount of capital. Of the funds budgeted for FY 2018, 26% will be committed by FPUA to remain in compliance with the requirements and standards set by regulatory agencies or required by state or local government. Replacement of aging operating systems, overall

system improvements and the replacement of worn out equipment account for 27% of the FY 2018 Capital Budget. With an aging infrastructure, these renewals and replacements are critically necessary. Twenty-nine percent of the Capital Budget is expected to improve the reliability, efficiency, and safety of FPUA's utility systems. Eight percent of the Capital Budget is attributable to new growth.

The projects presented in the FY 2018 Capital Budget are essential to FPUA's efforts to provide our customers with the highest quality of products and services. A recap of the driving forces behind the capital costs planned to be incurred in FY 2018 can be found on page 14. The summary of the capital budget requests on pages 6 through 11, as well as the detailed departmental budget requests beginning on page 16, estimate the total cost of each project, many of which are multi-year projects.

ALTERNATIVES (IF ANY):

Approve with revisions.

ATTACHMENTS:

FY 2018 Capital Budget

ABBREVIATIONS

4WD	Four Wheel Drive
AMR	Automated Meter Reading
APL	Acoustic Pipe Locator
BLKT	Blanket Project
BOCC	Board of County Commissioners
CIA	Contribution-in-Aid
CIC	Capital Improvement Charge
CIP	Capital Improvement Plan
CNG	Compressed Natural Gas
CSM	Customer Service Management
DEP	Department of Environmental Protection
DIMP	Distribution Integrity Management Program
EPA	Environmental Protection Agency
ESC	Energy Services Center
FA	Fixed Asset
FDEP	Florida Department of Environmental Protection
FDOT	Florida Department of Transportation
FLR	Florida Lambda Rail
FM	Force Main
FMPA	Florida Municipal Power Agency
FPL	Florida Power & Light
FPUA	Fort Pierce Utilities Authority
FY	Fiscal Year
GST	Ground Storage Tank
HVAC	Heating Ventilation Air Conditioning
IP	Internet Protocol
IPP	Industrial Pretreatment Program
IRC	Indian River County
IWRF	Island Water Reclamation Facility
kV	kilovolts
lf	lineal feet
LS	Lift Station
MC	Martin County
MCC	Motor Control Center
MG	Million Gallons
MIR	Meter Installer/Remover
MIT	Mechanical Integrity Test
MSBU	Municipal Services Benefit Unit
MWRF	Mainland Water Reclamation Facility
NERC	North American Electric Reliability Corporation
NESC	National Electric Safety Code
O&M	Operations and Maintenance

ABBREVIATIONS

OCB	Oil Circuit Breaker
OH	Overhead
Okee	Okeechobee
OPS	Operations
PLC	Programmable Logic Controller
POP	Point of Presence
PSC	State of Florida Public Service Commission
R&R	Renewal & Replacement
Repl	Replacement
ROW	Right Of Way
RO	Reverse Osmosis
SCADA	Supervisory Control and Data Acquisition
SCFM	Standard cubic feet per minute
Serv Conv	Service Conversion
SFWMD	South Florida Water Management District
SLC	St. Lucie County
SLV	St. Lucie Village
SRF	State Revolving Fund
STD	Standard Project
SUV	Sport Utility Vehicle
T&D	Transmission and Distribution
TBD	To Be Determined
UG	Underground
VAR	Voice Activated Response
VFD	Variable Frequency Drive
VOIP	Voice Over Internet Protocol
W/WW	Water/Wastewater
WD	Water Distribution
WM	Water Main
WRD	Water Reclamation Department
WRF	Water Reclamation Facility
WTP	Water Treatment Plant
WW	Wastewater
Xfr	Transfer

CAPITAL BUDGET SUMMARY

DEPT	REQ	PROJECT TITLE / ASSET NAME	TYPE	SYSTEM	FUNDING	NUMBER	REQUIRED BY	<u>Est. Total</u>	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2018-22
								<u>Through</u>						
								<u>9/30/2017</u>						
22	Materials Management													
22	FA-1	Truck Dual Wheels 4WD	FA	Administration	Rates		Reliability	-	-	70,000	-	-	-	70,000
22	FA-2	1/2 Ton Pickup Truck	FA	Administration	Rates		Reliability	-	-	-	25,000	-	-	25,000
	TOTAL							-	-	70,000	25,000	-	-	95,000
32	Information Technology Services													
32	FA-1	Dept. Hardware & Software	FA	Administration	Rates	439918001	Efficiency/Safety	-	115,500	100,000	100,000	100,000	100,000	515,500
32	FA-2	Servers	FA	Administration	Rates	439918002	Reliability	-	50,000	30,000	50,000	30,000	50,000	210,000
32	FA-3	Great Plains/Cogsdale	FA	Administration	Rates		Efficiency	-	-	10,000	-	10,000	-	20,000
32	FA-4	Telephony	FA	Administration	Rates		R&R	-	-	-	65,000	-	-	65,000
32	FA-5	Vehicle Replacement	FA	Administration	Rates		R&R	-	-	-	-	25,000	-	25,000
32	1	Security System	BLKT	Administration	Rates	402	DHS/NERC/Safety	-	50,000	50,000	50,000	25,000	-	175,000
32	2	Network&Comm Infrastructure Ex	BLKT	Administration	Rates	403	Reliability	-	-	50,000	35,000	120,000	35,000	240,000
	TOTAL							-	215,500	240,000	300,000	310,000	185,000	1,250,500
35	Facilities													
35	FA-1	Chilled Water Air Handlers	FA	Administration	Rates	439018001	Reliability	-	75,000	-	-	-	-	75,000
35	FA-2	ESC Entrance Roll-up Door	FA	Administration	Rates	439018002	Storm Hardening	-	30,000	-	-	-	-	30,000
35	FA-3	Annex Air Handlers	FA	Administration	Rates		Reliability	-	-	37,500	-	-	-	37,500
35	FA-4	Replace Chiller at Esc	FA	Administration	Rates		Reliability	-	-	-	-	-	120,000	120,000
	TOTAL							-	105,000	37,500	-	-	120,000	262,500
54	Electric Transmission & Distribution													
54	FA-1	Large Pole Trailer	FA	Electric	Rates	539218001	R&R	-	45,000	-	-	-	-	45,000
54	FA-2	Tractor Loader Backhoe	FA	Electric	Rates	539218002	Reliability	-	24,000	-	-	-	-	24,000
54	FA-3	55 foot Material Handler	FA	Electric	Rates	539218003	R&R	-	295,000	-	-	-	-	295,000
54	FA-4	55 foot Material Handler	FA	Electric	Rates		R&R	-	-	295,000	-	-	-	295,000
54	FA-5	3/4 Ton Pickup Truck	FA	Electric	Rates	539218004	R&R	-	40,000	-	-	-	-	40,000
54	FA-6	55 foot Material Handler	FA	Electric	Rates		R&R	-	-	-	300,000	-	-	300,000
54	FA-7	110 foot Material Handler	FA	Electric	Rates		R&R	-	-	-	-	400,000	-	400,000
54	1	Retirement from Plant	BLKT	Electric	Rates	501	PSC	164,191	155,900	160,574	165,880	170,692	175,472	828,518
54	2	Transformer Replacement	BLKT	Electric	Rates	504	NESC	98,687	91,769	94,542	97,378	100,578	103,396	487,663
54	3	Distribution Pole Replacement	BLKT	Electric	Rates	505	PSC	501,341	269,681	277,752	286,084	294,667	303,363	1,431,547
54	4	Transmission Pole Replacement	BLKT	Electric	Rates	507	PSC	19,713	27,418	28,771	29,634	30,525	31,440	147,788
54	5	Substation Improvements R&R	BLKT	Electric	Rates	511	R&R	30,000	54,025	55,620	57,288	59,077	60,849	286,859
54	6	Trans & Dist. Improvements	BLKT	Electric	Rates	515	R&R	764,428	465,245	479,201	493,849	508,357	523,607	2,470,259
	TOTAL							1,578,360	1,468,038	1,391,460	1,430,113	1,563,896	1,198,127	7,051,634
55	Electric Operations													
55	FA-1	Small Pickup Trucks MIR's	FA	Electric	Rates	539218005	R&R	-	24,040	24,761	25,504	26,269	27,057	127,631
55	FA-2	Meter Test Board	FA	Electric	Rates	537018001	R&R	-	38,000	-	-	-	-	38,000
55	1	Electric Meter Replacements	FA	Electric	Rates	514	Efficiency/Safety	172,202	160,000	160,000	160,000	160,000	160,000	800,000
	TOTAL							172,202	222,040	184,761	185,504	186,269	187,057	965,631

CAPITAL BUDGET SUMMARY

DEPT	REQ	PROJECT TITLE / ASSET NAME	TYPE	SYSTEM	FUNDING	NUMBER	REQUIRED BY	Est. Total	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2018-22
								Through 9/30/2017						
56	Electric & Gas Engineering - Electric													
56	FA-1	1/2 Ton 4x4 Pickup Truck	FA	Electric	Rates	539218006	Efficiency/Safety	-	27,500	-	-	-	-	27,500
56	FA-2	1/2 Ton 4x4 Pickup Truck	FA	Electric	Rates		Efficiency/Safety	-	-	27,500	-	-	-	27,500
56	1	Auto Reclsure Reliab Imprvmnts	BLKT	Electric	Rates	503	Reliability	10,000	10,000	10,000	10,000	10,000	10,000	50,000
56	2	New Construction - Line Ext	BLKT	Electric	Rates	506	PSC	10,000	10,000	10,300	10,610	10,930	11,260	53,100
56	3	Storm Surge & Hardening - NESC	BLKT	Electric	Rates	508	NESC	60,000	80,000	82,400	84,873	87,419	90,041	424,733
56	4	69KV Breaker Replacement	BLKT	Electric	Rates	509	Reliability	30,000	30,000	100,000	100,000	100,000	100,000	430,000
56	5	Electric Sys VAR Control Expan	BLKT	Electric	Rates	510	FPL	6,500	10,000	10,300	10,610	10,927	11,257	53,094
56	6	Governmental & Other Required	BLKT	Electric	Rates	512	City of Fort Pierce	85,000	150,000	153,000	156,060	159,181	162,365	780,606
56	6	Governmental & Other Required	BLKT	Electric	CIA	512	City of Fort Pierce	-	110,000	316,200	322,524	328,971	335,550	1,413,245
56	7	New Construction-Residential	BLKT	Electric	Rates	516	PSC	50,000	77,500	79,050	80,630	82,242	83,885	403,307
56	8	Replacement of OH & UG Lines	BLKT	Electric	Rates	517	Reliability	50,000	34,000	35,020	36,071	37,153	38,269	180,513
56	9	New Construction-Commercial	BLKT	Electric	Rates	518	PSC	180,000	275,000	283,250	291,748	300,500	309,515	1,460,013
56	9	New Construction-Commercial	BLKT	Electric	CIA	518	PSC	-	200,000	-	-	-	-	200,000
56	10	New Construction-Rental Lights	BLKT	Electric	Rates	519	Growth	50,000	50,000	51,500	53,044	54,637	56,277	265,458
56	11	Overhead/Underground Serv Conv	BLKT	Electric	Rates	520	Reliability	72,000	82,500	84,975	87,525	90,147	92,854	438,001
56	11	Overhead/Underground Serv Conv	BLKT	Electric	CIA	520	Reliability	-	10,000	10,300	10,609	10,927	11,255	53,091
56	12	Electric Regulatory Compliance	BLKT	Electric	Rates	521	NERC	29,751	20,000	20,000	20,000	20,000	20,000	100,000
56	13	Kings Hwy-Okee Rd to Angle Rd	STD	Electric	Rates	526	FDOT	9,000	21,250	10,000	-	-	-	31,250
56	14	Substation Regulators	STD	Electric	Rates	534	Reliability	35,000	280,000	280,000	280,000	280,000	280,000	1,400,000
56	15	17th St - Orange Ave to Ave D	STD	Electric	Rates	535	City of Fort Pierce	5,000	10,000	10,000	-	-	-	20,000
56	16	US Hwy 1 - Midway to Edwards	STD	Electric	Rates	558	FDOT	164,233	73,000	-	-	-	-	73,000
56	17	Totten/Hartman Improvements	STD	Electric	Rates	559	Reliability	20,926	80,000	30,000	-	-	-	110,000
56	18	13th St - Virginia to Ave Q	STD	Electric	Rates	580	City of Fort Pierce	500	10,000	7,000	7,000	-	-	24,000
56	19	Paradise Park Overhead Rebuild	STD	Electric	Rates	591	St. Lucie County	75,000	63,000	-	-	-	-	63,000
56	20	North Bridge Reconstruction	STD	Electric	Rates	592	FDOT	-	10,000	7,000	7,000	-	-	24,000
56	21	Substation Transformer Replacement	STD	Electric	Rates	594	Reliability	-	75,000	75,000	500,000	500,000	500,000	1,650,000
56	22	Harbor Branch Reliability Improv	STD	Electric	Rates	595	Reliability	-	50,000	50,000	-	-	-	100,000
TOTAL								942,910	1,848,750	1,742,795	2,068,304	2,083,034	2,112,528	9,855,411
62	Water Resources													
62	FA-1	Submersible Well Pumps	FA	Water	Rates	632518001	Reliability	-	15,000	15,000	15,000	15,000	15,000	75,000
62	FA-2	Submersible Electric Motors	FA	Water	Rates	632518002	Reliability	-	12,000	12,000	12,000	12,000	12,000	60,000
62	FA-3	Telemetry & Controls	FA	Water	Rates	633218003	Reliability	-	25,000	25,000	25,000	25,000	25,000	125,000
62	FA-4	1/2 Ton 4x4 Pickup Truck	FA	Water	Rates	639218004	Efficiency/Safety	-	35,000					35,000
62	1	Raw Water Mains R&R	BLKT	Water	Rates	618	R&R	25,000	10,000	10,000	10,000	10,000	10,000	50,000
62	2	Lime CW Transfer Pumps	STD	Water	Rates	627	Reliability	189,910	-	190,000	-	-	-	190,000
62	3	PLC Conversion	STD	Water	Rates	629	Reliability	190,000	160,000	-	-	-	-	160,000
62	4	Bulk Chemical Containments	STD	Water	Rates	637	Reliability	320,000	890,000	-	-	-	-	890,000
62	5	WTP Gravity Thickener	STD	Water	Rates	674	Reliability	360,000	791,000					791,000
62	6	Unit #1 Lime Slaker	STD	Water	Rates	677	Reliability	-	175,000	-	-	-	-	175,000
62	7	WTP Storm Hardening	STD	Water	Rates	679	Storm Hardening	60,000	60,000					60,000
62	8	Dryer Building Reutilization	STD	Water	Rates	680	Efficiency/Safety	-	100,000					100,000
62	9	Stripping Tower Xfer Pumps	STD	Water	Rates	634	Reliability	-	-	160,000	165,000	170,000	-	495,000
62	10	Savannah Ground Storage Tank	STD	Water	Rates		Reliability	-	-	140,000	-	-	-	140,000
62	11	High Service Pump #2	STD	Water	Rates		Reliability	-	-	-	150,000	-	-	150,000

CAPITAL BUDGET SUMMARY

DEPT	REQ	PROJECT TITLE / ASSET NAME	TYPE	SYSTEM	FUNDING	NUMBER	REQUIRED BY	<u>Est. Total</u>	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2018-22
								<u>Through</u>						
								<u>9/30/2017</u>						
62	12	South Hutchinson Island GST	STD	Water	Rates		Reliability	-	-	-	140,000	-	-	140,000
62	13	Dryer Building MCC	STD	Water	Rates		Reliability	-	-	-	-	350,000	-	350,000
62	14	Lawnwood Well Field MCC	STD	Water	Rates		Reliability	-	-	-	-	-	300,000	300,000
62	15	1.5 MG Ground Storage Tank	STD	Water	Rates		Reliability	-	-	-	-	-	145,000	145,000
TOTAL								1,144,910	2,273,000	552,000	517,000	582,000	507,000	4,431,000
64	Water Distribution													
64	FA-1	Linestop Trailer Upgrade	FA	Water	Rates	639818001	R&R	-	22,000	-	-	-	-	22,000
64	FA-2	1/2 Ton 4x4 Pickup Truck	FA	Water	Rates	639218002	R&R	-	34,000	-	-	-	-	34,000
64	FA-3	Ultra-Trac Pipe APL Locator	FA	Water	Rates	639418003	Efficiency/Safety	-	12,000	-	-	-	-	12,000
64	FA-4	Various FA for FY 2019-2022	FA	Water	Rates		R&R	-	-	262,000	255,000	260,000	292,000	1,069,000
64	1	Meter/Backflow Preventers	BLKT	Water	CIA	603	Growth	207,755	185,000	190,550	196,267	202,154	208,219	982,190
64	2	Fire Hydrant Replacements	BLKT	Water	Rates	606	SLC Fire District	96,570	60,000	61,800	63,654	65,564	67,531	318,549
64	3	Meter Changeouts	BLKT	Water	Rates	612	Reliability	410,111	210,000	216,300	222,790	229,472	236,357	1,114,919
64	4	Main/Service/Valve Replacements	BLKT	Water	Rates	615	Reliability	846,758	540,000	556,200	572,886	590,073	607,775	2,866,934
TOTAL								1,561,194	1,063,000	1,286,850	1,310,597	1,347,263	1,411,882	6,419,592
66-W	Water Engineering													
66-W	FA-1	1/2 Ton 4x4 Pickup Truck	FA	Water	Rates	639218003	Reliability	-	16,000	17,000	-	-	-	33,000
66-W	1	Surficial Well Replacement	BLKT	Water	Rates	602	Reliability	-	-	279,500	282,750	286,000	289,250	1,137,500
66-W	1	Surficial Well Replacement	BLKT	Water	CIC	602	Reliability	-	-	150,500	152,250	154,000	155,750	612,500
66-W	2	Fire Hydrant New Installations	BLKT	Water	CIC	607	SLC Fire District	15,544	12,000	12,360	12,730	13,111	13,504	63,705
66-W	3	New Construction-Mains	BLKT	Water	CIC	610	Growth	-	39,702	41,493	43,338	45,295	47,304	217,132
66-W	4	New Construction-Customer Funded	BLKT	Water	CIA	611	Growth	-	50,000	50,000	50,000	50,000	50,000	250,000
66-W	5	Water Mains Misc. R&R	BLKT	Water	Rates	617	R&R	650	20,000	1,000,000	600,000	1,000,000	1,000,000	3,620,000
66-W	6	Governmental & Other Required	BLKT	Water	Rates	620	City of Fort Pierce	-	35,000	110,000	110,000	110,000	110,000	475,000
66-W	7	Water Main Looping	STD	Water	CIC	625	Growth	-	-	110,000	110,000	110,000	110,000	440,000
66-W	8	7th Street - 10th - Wendell	STD	Water	Rates	630	City of Fort Pierce	5,000	20,000	-	-	-	-	20,000
66-W	9	San Lucie WM Replacements	STD	Water	Rates	633	St. Lucie County	9,835	50,000	-	-	-	-	50,000
66-W	10	17th St - Orange Ave to Ave D	STD	Water	Rates	635	City of Fort Pierce	6,916	121,000	163,000	-	-	-	284,000
66-W	11	Ave M - 25th to 13th	STD	Water	SRF Loan	642	R&R	15,000	704,000	-	-	-	-	704,000
66-W	12	Ohio - Oleander to US1	STD	Water	SRF Loan	644	R&R	15,000	340,000	-	-	-	-	340,000
66-W	13	Avenue A - N 8th to N 7th	STD	Water	Rates	650	R&R	2,000	70,000	-	-	-	-	70,000
66-W	14	Sea Winds 12 in WM	STD	Water	CIC	653	Growth	15,771	175,000	-	-	-	-	175,000
66-W	15	US Hwy 1 - Midway to Edwards	STD	Water	Rates	658	FDOT	177,000	53,000	-	-	-	-	53,000
66-W	16	Fra Mar MBSU	STD	Water	CIA	663	St. Lucie County	234,579	30,000	-	-	-	-	30,000
66-W	16	Fra Mar MBSU	STD	Water	CIC	663	St. Lucie County	-	76,000	-	-	-	-	76,000
66-W	17	Selvitz Road Water Main	STD	Water	CIC	664	Growth	289,549	30,000	-	-	-	-	30,000
66-W	18	Wendell - 8th to Chipolla	STD	Water	SRF Loan	667	R&R	15,000	405,000	-	-	-	-	405,000
66-W	19	Midway Road - US 1 to 25th St.	STD	Water	Rates	684	FDOT	330,623	269,000	32,000	-	-	-	301,000
66-W	19	Midway Road - US 1 to 25th St.	STD	Water	CIA	684	FDOT	-	35,000	8,000	-	-	-	43,000
66-W	20	Midway Road-Elm Ave to 25th	STD	Water	CIC	686	Growth	478,696	536,000	40,000	-	-	-	576,000
66-W	21	Kings Hwy-Okee Rd to Orange Av	STD	Water	Rates	690	FDOT	1,000	10,000	-	-	-	-	10,000
66-W	21	Kings Hwy-Okee Rd to Orange Av	STD	Water	CIA	690	FDOT	-	60,000	20,000	-	-	-	80,000
66-W	21	Kings Hwy-Okee Rd to Orange Av	STD	Water	CIC	690	FDOT	-	300,000	400,000	-	-	-	700,000
66-W	22	2nd Deep Injection Well/WTP	STD	Water	CIC	694	Growth	93,824	-	-	100,000	4,200,000	-	4,300,000
66-W	23	Well 3R Replacement	STD	Water	Rates	698	Reliability	-	292,500	-	-	-	-	292,500
66-W	23	Well 3R Replacement	STD	Water	CIC	698	Reliability	-	157,500	-	-	-	-	157,500
66-W	24	RO Upgrades/Electric Upgrades	STD	Water	CIC		Growth	218,640	-	-	315,000	-	-	315,000

CAPITAL BUDGET SUMMARY

DEPT	REQ	PROJECT TITLE / ASSET NAME	TYPE	SYSTEM	FUNDING	NUMBER	REQUIRED BY	<u>Est. Total</u> <u>Through</u> <u>9/30/2017</u>	<u>FY 2018</u>	<u>FY 2019</u>	<u>FY 2020</u>	<u>FY 2021</u>	<u>FY 2022</u>	<u>FY 2018-22</u>
66-W	25	Floridan Well Field Generator	STD	Water	CIC		Reliability	-	-	50,000	500,000	-	-	550,000
66-W	26	Subaqueous Mains Stabilization	STD	Water	Rates	909	Reliability	18,000	75,000	-	-	-	-	75,000
66-W	27	N 8th Street - Orange to Ave E	STD	Water	Rates		R&R	-	-	-	400,000	-	-	400,000
66-W	28	Ave E WM Repl-N 10th to N 7th	STD	Water	Rates	643	R&R	-	175,500	-	-	-	-	175,500
66-W	29	Avenue B WM Repl-N 8th-N 7th	STD	Water	Rates	646	R&R	-	67,500	-	-	-	-	67,500
66-W	30	Avenue I & Loop to J WM Repl.	STD	Water	Rates	672	R&R	-	169,000	-	-	-	-	169,000
66-W	31	N 10th St WM Repl-Ave E-Ave L	STD	Water	Rates	681	R&R	-	310,500	-	-	-	-	310,500
66-W	32	Savannah PS WM Addition	STD	Water	Rates	682	Reliability	-	50,000	-	-	-	-	50,000
66-W	33	Fisherman's Wharf W.M. Rehab.	STD	Water	Rates	695	St. Lucie County	5,000	20,000	-	-	-	-	20,000
TOTAL								1,947,627	4,774,202	2,483,853	2,676,068	5,968,406	1,775,808	17,678,337
56	Electric & Gas Engineering - Gas													
56	1	Kings Hwy-Okee Rd to Angle Rd	STD	Gas	Rates	726	FDOT	15,000	170,000	10,000	-	-	-	180,000
56	2	SCADA Monitoring	STD	Gas	Rates	734	Reliability	50,000	35,000	-	-	-	-	35,000
56	3	17th St - Orange Ave to Ave D	STD	Gas	Rates	735	City of Fort Pierce	-	10,000	-	-	-	-	10,000
56	4	US Hwy 1 - Midway to Edwards	STD	Gas	Rates	758	FDOT	128,276	115,000	-	-	-	-	115,000
56	5	13th St - Virginia to Ave Q	STD	Gas	Rates	780	City of Fort Pierce	23,000	10,000	10,000	-	-	-	20,000
56	6	Midway Road - US 1 to 25th St.	STD	Gas	Rates	784	FDOT	45,000	10,000	5,000	-	-	-	15,000
56	7	2nd St-Seaway to Taylor Creek	STD	Gas	Rates	787	St. Lucie County	186,463	7,500	-	-	-	-	7,500
56	8	Paradise Park	STD	Gas	Rates	791	St. Lucie County	35,595	6,500	-	-	-	-	6,500
TOTAL								483,334	364,000	25,000	-	-	-	389,000
74	Gas Operations													
74	FA-1	3/4 Ton Pickup Truck	FA	Gas	Rates		Reliability	-	50,000	50,000	50,000	50,000	50,000	250,000
74	FA-2	Tractor Loader Backhoe	FA	Gas	Rates		Reliability	-	24,000	-	-	-	-	24,000
74	FA-3	CNG Filling Station	FA	Gas	Rates		Reliability		150,000					150,000
74	1	Gas System Renewals	BLKT	Gas	Rates	704	PSC	31,324	17,000	17,500	18,000	18,500	19,000	90,000
74	2	Gas System New Revenue	BLKT	Gas	Rates	705	Growth	187,145	79,000	82,000	85,000	88,000	91,000	425,000
74	2	Gas System New Revenue	BLKT	Gas	CIA	705	Growth		25,000	25,000	25,000	25,000	25,000	125,000
74	3	Meter & Regulator Changeouts	BLKT	Gas	Rates	706	PSC	139,412	114,000	119,000	124,000	129,000	134,000	620,000
74	4	Excess Flow Valves (EFV's)	BLKT	Gas	CIA	707	PSC		50,000	50,000	50,000			150,000
74	5	Customer Funded Projects	BLKT	Gas	CIA	710	Growth	50,743	50,000	50,000	50,000	50,000	50,000	250,000
74	6	Governmental & Other Required	BLKT	Gas	Rates	720	City of Fort Pierce	149,501	96,000	99,000	102,000	105,000	108,000	510,000
74	6	Governmental & Other Required	BLKT	Gas	CIA	720	City of Fort Pierce		50,000	50,000	50,000	50,000	50,000	250,000
74	7	Valve Installation Program	STD	Gas	Rates	725	Reliability		25,000	25,000	25,000			75,000
TOTAL								558,125	730,000	567,500	579,000	515,500	527,000	2,919,000
66-WW	Wastewater Engineering													
66-WW	FA-1	1/2 Ton 4x4 Pickup Truck	FA	Wastewater	Rates	639218003	Reliability	-	16,000	17,000	-	-	-	33,000
66-WW	1	New Construction-Mains	BLKT	Wastewater	CIC	810	Growth	-	40,000	41,493	43,338	45,239	47,198	217,268
66-WW	2	New Construction-Custmr Funded	BLKT	Wastewater	CIA	811	Growth	-	50,000	50,000	50,000	50,000	50,000	250,000
66-WW	3	Wastewater Main Misc R&R	BLKT	Wastewater	Rates	817	R&R	1,000	400,000	900,000	900,000	900,000	900,000	4,000,000
66-WW	4	Governmental & Other Required	BLKT	Wastewater	Rates	820	City of Fort Pierce	-	50,000	200,000	200,000	200,000	200,000	850,000
66-WW	5	7th Street - 10th - Wendell	STD	Wastewater	Rates	830	City of Fort Pierce	150,000	30,000	-	-	-	-	30,000
66-WW	6	LS E Pump/Electric Upgrade	STD	Wastewater	Rates	834	Reliability	60,000	700,000	-	-	-	-	700,000
66-WW	7	Ave M - 25th to 13th	STD	Wastewater	SRF Loan	842	R&R	20,000	1,167,000	-	-	-	-	1,167,000
66-WW	8	Lift Station 23 Replacement	STD	Wastewater	Rates	843	Safety	287,787	255,000	-	-	-	-	255,000
66-WW	9	Ohio - Oleander to US1	STD	Wastewater	SRF Loan	844	R&R	20,000	565,000	-	-	-	-	565,000
66-WW	10	US Hwy 1 - Midway to Edwards	STD	Wastewater	Rates	858	FDOT	72,000	20,000	-	-	-	-	20,000

CAPITAL BUDGET SUMMARY

DEPT	REQ	PROJECT TITLE / ASSET NAME	TYPE	SYSTEM	FUNDING	NUMBER	REQUIRED BY	<u>Est. Total</u> <u>Through</u> <u>9/30/2017</u>	<u>FY 2018</u>	<u>FY 2019</u>	<u>FY 2020</u>	<u>FY 2021</u>	<u>FY 2022</u>	<u>FY 2018-22</u>
66-WW	11	17th St - Orange Ave to Ave D	STD	Wastewater	Rates	863	City of Fort Pierce	203,842	129,000	-	-	-	-	129,000
66-WW	12	Wendell - 8th to Chipolla	STD	Wastewater	SRF Loan	867	R&R	20,000	495,000	-	-	-	-	495,000
66-WW	13	IWRF Clarifier Rehabilitation	STD	Wastewater	Rates	872	R&R	875,000	967,905	-	-	-	-	967,905
66-WW	14	Midway Road - US 1 to 25th St.	STD	Wastewater	Rates	884	FDOT	30,000	20,000	-	-	-	-	20,000
66-WW	15	Midway Road-Elm Ave to 25th	STD	Wastewater	CIC	886	Growth	50,000	40,000	-	-	-	-	40,000
66-WW	16	Kings Hwy-Okee Rd to Orange Av	STD	Wastewater	Rates	890	FDOT	5,000	10,000	212,000	50,000	-	-	272,000
66-WW	16	Kings Hwy-Okee Rd to Orange Av	STD	Wastewater	CIC	890	FDOT	-	-	168,000	-	-	-	168,000
66-WW	17	Subaqueous Mains Stabilization	STD	Wastewater	Rates	909	Reliability	20,000	1,050,000	-	-	-	-	1,050,000
66-WW	18	2nd DIW at MWRF	STD	Wastewater	CIA	879	St. Lucie County	-	1,500,000	-	-	-	-	1,500,000
66-WW	18	2nd DIW at MWRF	STD	Wastewater	CIC	879	St. Lucie County	-	20,000	-	-	-	-	20,000
66-WW	19	Brownstone Development	STD	Wastewater	CIA	881	Growth	-	200,000	-	-	-	-	200,000
66-WW	19	Brownstone Development	STD	Wastewater	CIC	881	Growth	5,000	205,000	-	-	-	-	205,000
66-WW	20	Fisherman's Wharf Sewer Repl.	STD	Wastewater	Rates	895	St. Lucie County	10,000	95,000	-	-	-	-	95,000
TOTAL								1,829,629	8,024,905	1,588,493	1,243,338	1,195,239	1,197,198	13,249,173
82	Water Reclamation													
82	FA-1	Golf Cart	FA	Wastewater	Rates		Efficiency/Safety	-	-	10,000	-	-	-	10,000
82	FA-2	IWRF DIW Pump Replacement	FA	Wastewater	Rates		FDEP	-	-	-	-	-	80,000	80,000
82	FA-3	1 Ton Pickup Truck & Equip.	FA	Wastewater	Rates		Efficiency/Safety	-	-	35,000	80,000	-	-	115,000
82	1	Telemetry & Controls	BLKT	Wastewater	Rates	803	Efficiency/Safety	10,000	10,000	10,000	10,000	10,000	10,000	50,000
82	2	Structural Replacements	BLKT	Wastewater	Rates	804	Efficiency/Safety	25,000	25,000	25,000	25,000	25,000	25,000	125,000
82	3	Bar Screen Replacement	STD	Wastewater	Rates		Reliability	-	-	-	-	135,000	-	135,000
82	4	Surge Tank Control Replacement	STD	Wastewater	Rates	822	Reliability	-	30,000	-	-	-	-	30,000
82	5	W-2 System Upgrade	STD	Wastewater	Rates		Reliability	-	-	60,000	-	-	-	60,000
82	6	Septage Receiving Facility	STD	Wastewater	Rates	823	Reliability		50,000	-	-	-	-	50,000
TOTAL								35,000	115,000	140,000	115,000	170,000	115,000	655,000
84	Wastewater Collection													
84	FA-1	Lift Station Pump Replacement	FA	Wastewater	Rates	836118001	R&R	-	30,000	30,000	30,000	30,000	30,000	150,000
84	FA-2	1 Ton 4x2 Pickup Truck	FA	Wastewater	Rates	839218002	Efficiency/Safety	-	70,000	100,000	30,000	100,000	30,000	330,000
84	FA-3	L.S. "A" Pump Replacement	FA	Wastewater	Rates		Reliability	-	-	-	-	100,000	-	100,000
84	FA-4	Dry Prime By-pass Pump	FA	Wastewater	Rates		Reliability	-	-	30,000	-	-	-	30,000
84	1	Telemetry & Controls	BLKT	Wastewater	Rates	801	FDEP	56,903	50,000	50,000	50,000	50,000	50,000	250,000
84	2	Lift Station Improvements	BLKT	Wastewater	Rates	802	FDEP	100,101	100,000	100,000	100,000	100,000	100,000	500,000
84	3	Mains and Laterals R&R	BLKT	Wastewater	Rates	805	FDEP	628,383	375,000	375,000	375,000	375,000	375,000	1,875,000
84	4	Lift Station Control Panels	BLKT	Wastewater	Rates	806	FDEP	50,000	50,000	50,000	50,000	50,000	50,000	250,000
84	5	Wastewater Main Lining	BLKT	Wastewater	Rates	815	FDEP	867,151	450,000	450,000	450,000	450,000	450,000	2,250,000
84	6	Manhole Rehabilitation	BLKT	Wastewater	Rates	816	FDEP	173,887	100,000	100,000	100,000	100,000	100,000	500,000
TOTAL								1,876,425	1,225,000	1,285,000	1,185,000	1,355,000	1,185,000	6,235,000

CAPITAL BUDGET SUMMARY

								<u>Est. Total</u>						
								<u>Through</u>						
<u>DEPT</u>	<u>REQ</u>	<u>PROJECT TITLE / ASSET NAME</u>	<u>TYPE</u>	<u>SYSTEM</u>	<u>FUNDING</u>	<u>NUMBER</u>	<u>REQUIRED BY</u>	<u>9/30/2017</u>	<u>FY 2018</u>	<u>FY 2019</u>	<u>FY 2020</u>	<u>FY 2021</u>	<u>FY 2022</u>	<u>FY 2018-22</u>
93	FPUAnet Communications													
93	1	FPUAnet Communication Services	BLKT	FPUAnet	Rates	914	Growth	136,309	89,000	99,000	112,000	125,000	139,000	564,000
93	1	FPUAnet Communication Services	BLKT	FPUAnet	CIA	914	Growth	-	10,000	11,000	12,000	14,000	16,000	63,000
93	2	FPUAnet Wireless Communication	BLKT	FPUAnet	Rates	916	Growth	27,400	32,000	36,000	40,000	45,000	50,000	203,000
93	2	FPUAnet Wireless Communication	BLKT	FPUAnet	CIA	916	Growth	-	4,000	4,000	5,000	5,000	6,000	24,000
93	3	FPUAnet Regional Connections	BLKT	FPUAnet	Rates	917	Growth	89,400	61,000	31,000	8,000	8,000	16,000	124,000
93	3	FPUAnet Regional Connections	BLKT	FPUAnet	CIA	917	Growth	-	7,000	3,000	1,000	1,000	2,000	14,000
93	4	FPUAnet Communications - IRC	BLKT	FPUAnet	Rates	918	Growth	20,100	7,000	8,000	8,000	7,000	4,000	34,000
93	4	FPUAnet Communications - IRC	BLKT	FPUAnet	CIA	918	Growth	-	3,000	3,000	3,000	2,000	1,000	12,000
93	5	FPUAnet Communications - MC	BLKT	FPUAnet	Rates	919	Growth	20,100	7,000	8,000	8,000	7,000	4,000	34,000
93	5	FPUAnet Communications - MC	BLKT	FPUAnet	CIA	919	Growth	-	3,000	3,000	3,000	2,000	1,000	12,000
93	6	FPUAnet Communications to FLR	STD	FPUAnet	Rates	977	Growth	16,500	14,000	16,000	-	-	-	30,000
93	6	FPUAnet Communications to FLR	STD	FPUAnet	CIA	977	Growth	-	2,000	2,000	-	-	-	4,000
TOTAL								309,809	239,000	224,000	200,000	216,000	239,000	1,118,000
21	Finance													
21	1	Carryover Funding - Prior Year		Administration	Carryover		Carryover		2,000,000	-	-	-	-	2,000,000
21	2	Contingencies		Administration	Contingencies		Contingencies	-	500,000	-	-	-	-	500,000
TOTAL								-	2,500,000	-	-	-	-	2,500,000
<u>GRAND TOTAL</u>								12,439,525	25,167,435	11,819,212	11,834,924	15,492,607	10,760,600	75,074,778
		ADMINISTRATION						-	320,500	347,500	325,000	310,000	305,000	1,608,000
		ELECTRIC						2,693,472	3,538,828	3,319,016	3,683,921	3,833,199	3,497,712	17,872,676
		WATER						4,653,731	8,110,202	4,322,703	4,503,665	7,897,669	3,694,690	28,528,929
		NATURAL GAS						1,041,459	1,094,000	592,500	579,000	515,500	527,000	3,308,000
		WASTEWATER						3,741,054	9,364,905	3,013,493	2,543,338	2,720,239	2,497,198	20,139,173
		FPUAnet COMMUNICATIONS						309,809	239,000	224,000	200,000	216,000	239,000	1,118,000
		CARRYOVER						-	2,000,000	-	-	-	-	2,000,000
		CONTINGENCIES						-	500,000	-	-	-	-	500,000
TOTAL								12,439,525	25,167,435	11,819,212	11,834,924	15,492,607	10,760,600	75,074,778

CAPITAL BUDGET SUMMARY - VEHICLES

FY 2018

Budgeted			Replaces			
Dept	Description	FY 2018	Description	Size	Asset #	MILEAGE
54	Large Pole Trailer	45,000	22,000 pound pole trailer		62_539	12 yrs
54	Tractor Loader Backhoe	24,000				
54	55 Foot Material Handler	295,000	2007 Freightliner		21_382	61,669
54	3/4 Ton 4X4 Pickup Truck	40,000	2002 GMC Sierra	1 ton	21_373	126,429
55	Small Pickup Truck MIR's	24,040	2004 Ford F250	3/4 ton	15_549	96,964
56	1/2 Ton 4x4 Pickup Truck	27,500	Ford F150 Single Cab	1/2 Ton	15_519	71,257
62	1/2 Ton 4x4 Pickup Truck	35,000				
64	1/2 Ton 4x4 Pickup Truck	34,000	2000 Chevy 1/2 Ton	1/2 ton	15_529	112,500
66	1/2 Ton 4x4 Pickup Truck	32,000	2004 GMC 1500 1/2 Ton	1/2 Ton	15_552	91,000
74	3/4 Ton 4x4 Pickup Truck	50,000	2008 Ford F250	3/4 ton	16_524	66,000
74	Tractor Loader Backhoe	24,000	Kubota Track Loader Backhoe		49_506	1130/13 yrs
84	1 Ton 4x2 Pickup Truck	35,000	GMC 1 Ton Utility	1 ton	21_374	124,810
84	1 Ton 4x2 Pickup Truck	35,000	GMC 1 Ton Utility	1 ton	21_376	153,000
TOTALS		700,540				

PROPOSED FUNDING OF THE CAPITAL BUDGET

SYSTEM	SOURCE	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2018-22
Electric	Rates	\$ 3,218,828	\$ 2,992,516	\$ 3,350,788	\$ 3,493,301	\$ 3,150,907	\$ 16,206,340
	CIA	320,000	326,500	333,133	339,898	346,805	1,666,336
Electric Total		3,538,828	3,319,016	3,683,921	3,833,199	3,497,712	17,872,676
Water	Rates	4,975,000	3,249,800	3,024,080	3,123,109	3,109,913	17,481,902
	CIA	360,000	268,550	246,267	252,154	258,219	1,385,190
	CIC	1,326,202	804,353	1,233,318	4,522,406	326,558	8,212,837
	SRF Loan	1,449,000	-	-	-	-	1,449,000
Water Total		8,110,202	4,322,703	4,503,665	7,897,669	3,694,690	28,528,929
Gas	Rates	919,000	417,500	404,000	390,500	402,000	2,533,000
	CIA	175,000	175,000	175,000	125,000	125,000	775,000
Gas Total		1,094,000	592,500	579,000	515,500	527,000	3,308,000
Wastewater	Rates	5,082,905	2,754,000	2,450,000	2,625,000	2,400,000	15,311,905
	CIA	1,750,000	50,000	50,000	50,000	50,000	1,950,000
	CIC	305,000	209,493	43,338	45,239	47,198	650,268
	SRF Loan	2,227,000	-	-	-	-	2,227,000
Wastewater Total		9,364,905	3,013,493	2,543,338	2,720,239	2,497,198	20,139,173
FPUAnet	Rates	210,000	198,000	176,000	192,000	213,000	989,000
	CIA	29,000	26,000	24,000	24,000	26,000	129,000
FPUAnet Total		239,000	224,000	200,000	216,000	239,000	1,118,000
Administration	Rates	320,500	347,500	325,000	310,000	305,000	1,608,000
	Carryover	2,000,000	-	-	-	-	2,000,000
	Contingencies	500,000	-	-	-	-	500,000
Administration Total		2,820,500	347,500	325,000	310,000	305,000	4,108,000
Grand Total		\$ 25,167,435	\$ 11,819,212	\$ 11,834,924	\$ 15,492,607	\$ 10,760,600	\$ 75,074,778

SOURCE	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2018-22
Rates	\$ 14,726,233	\$ 9,959,316	\$ 9,729,868	\$ 10,133,910	\$ 9,580,820	\$ 54,130,147
CIA	2,634,000	846,050	828,400	791,052	806,024	5,905,526
CIC	1,631,202	1,013,846	1,276,656	4,567,645	373,756	8,863,105
SRF Loan	3,676,000	-	-	-	-	3,676,000
Carryover	2,000,000	-	-	-	-	2,000,000
Contingencies	500,000	-	-	-	-	500,000
Grand Total	\$ 25,167,435	\$ 11,819,212	\$ 11,834,924	\$ 15,492,607	\$ 10,760,600	\$ 75,074,778

REQUIREMENTS FOR CAPITAL PROJECTS
Fiscal Year ended September 30, 2018

Required By	Electric	Water	Gas	Wastewater	FPUAnet	Administration	Grand Total	Percentage
GOVERNMENT/REGULATORY REQUIRED								
City of Fort Pierce	280,000	176,000	166,000	209,000			831,000	
DHS/NERC/Safety						50,000	50,000	
FDEP				1,125,000			1,125,000	
FDOT	104,250	727,000	295,000	50,000			1,176,250	
NERC	20,000						20,000	
NESC	171,769						171,769	
PSC	1,015,499		181,000				1,196,499	
SLC Fire District		72,000					72,000	
St. Lucie County	63,000	176,000	14,000	1,615,000			1,868,000	
GOVERNMENT/REGULATORY REQUIRED Total	1,654,518	1,151,000	656,000	2,999,000		50,000	6,510,518	26%
RELIABILITY, EFFICIENCY, SAFETY								
Efficiency/Safety	187,500	147,000		105,000		115,500	555,000	
Reliability	675,500	3,409,000	284,000	1,846,000		125,000	6,339,500	
Safety				255,000			255,000	
Storm Hardening		60,000				30,000	90,000	
RELIABILITY, EFFICIENCY, SAFETY Total	863,000	3,616,000	284,000	2,206,000		270,500	7,239,500	29%
RENEWALS & REPLACEMENTS								
R&R	961,310	2,327,500		3,624,905		-	6,913,715	
RENEWALS & REPLACEMENTS Total	961,310	2,327,500		3,624,905		-	6,913,715	27%
GROWTH								
FPL	10,000						10,000	
Growth	50,000	1,015,702	154,000	535,000	239,000		1,993,702	
GROWTH Total	60,000	1,015,702	154,000	535,000	239,000		2,003,702	8%
CARRYOVER						2,000,000	2,000,000	8%
CONTINGENCIES						500,000	500,000	2%
Grand Total	3,538,828	8,110,202	1,094,000	9,364,905	239,000	2,820,500	25,167,435	100%

PRIORITY RATING POINT SYSTEM

POINTS I. HEALTH AND/OR SAFETY TO PUBLIC, FPUA EMPLOYEES

- 12 Will correct a condition that currently constitutes a threat to the health and/or safety of the public or FPUA employees.
- 10 Will correct a condition that, if left uncorrected for FY 2018 will, by the end of that year, constitute a threat to the health and/or safety of the public or FPUA employees.
- 8 Will correct a condition that, if left uncorrected, will constitute a threat to the health and/or safety of the public or FPUA employees some time after the end of the next fiscal year.

POINTS II. QUALITY OF SERVICE

- 10 Will correct an existing deficiency and a future need in service to the customer.
- 8 Will correct an existing deficiency in service to the customer.
- 6 Will correct a future need in customer service.

POINTS III. COMPARATIVE EFFECTIVENESS

- 8 More productivity same unit of time at less operating cost.
- 6 Same productivity same unit of time at less operating cost.
- 6 More productivity same unit of time at same operating cost.
- 3 Same productivity same unit of time at same operating cost.
- 2 More productivity same unit of time at more operating cost.
- 1 Same productivity same unit of time at more operating cost.

NOTE: Equal consideration is given to the same productivity in a smaller unit of time.

POINTS IV. ANNUAL IMPACT ON O&M COSTS

- 8 Substantial cost savings (over \$25,000).
- 6 Minimal cost savings (up to \$25,000).
- 4 No change.
- 2 Minimal cost increase (up to \$25,000).
- 0 Major cost increase (over \$25,000).

POINTS V. ENVIRONMENTAL/PUBLIC IMAGE

- 6 Will correct a condition that currently results in a poor image for the FPUA.
- 4 Will correct a condition that, if left uncorrected for FY 2018 will, by the end of that year, result in a poor public image for the FPUA.
- 2 Will correct a condition that, if left uncorrected, will eventually result in a poor public image for the FPUA.

POINTS VI. EFFECTS ON SERVICE AREA

- 6 Entire service area.
- 4 Several neighborhoods/areas.
- 2 One neighborhood/area.

FORT PIERCE UTILITIES AUTHORITY
Capital Budget Request - Summary Sheet
FY 2018

Department Name: 22 - Materials Management

Request Number	Project Title or Asset Name	Projected Costs						
		Est. Total Through 9/30/2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total 5 Years FY 2018-22
FA-1	Truck Dual Wheel 4WD	-	-	70,000	-	-	-	70,000
FA-2	1/2 Ton Pickup Truck	-	-	-	25,000	-	-	25,000
Total		-	-	70,000	25,000	-	-	95,000

Request Number	Project Title or Asset Name	Priority Rating Area							
		I	II	III	IV	V	VI	Total Points	Dept. Head Rating
FA-1	Truck Dual Wheel 4WD	8	6	6	6	2	6	34	
FA-2	1/2 Ton Pickup Truck	8	6	3	6	2	6	31	

Proposed Funding Sources:	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total 5 Years FY 2018-22
Rates	-	70,000	25,000	-	-	95,000
Contribution-in-Aid	-	-	-	-	-	-
Capital Improvement Charges	-	-	-	-	-	-
Total	-	70,000	25,000	-	-	-

FORT PIERCE UTILITIES AUTHORITY
FY 2018 Capital Budget Request - Fixed Asset
22 - Materials Management

Fixed Asset Name: Truck Dual Wheel 4WD

Fixed Asset Description: Mechanics Service Truck

Request #: FA - 1
Fixed Asset #: _____
Priority #: 0

Justification for Purchase: The existing Mechanics Service Truck is a 2002 with 80,000 plus miles on it as of April 2017. The existing truck is not able meet the needs of the Centralized Fleet Services program with its ever expanding duties.

Alternatives: Modify existing vehicle to accept a crane, generator and compressor .

	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
Total Proposed Costs:	\$ -	\$ 70,000	\$ -	\$ -	\$ -	\$ 70,000

Anticipated Purchase Date: 10/1/2018

Project Manager: 6266 - Eric Winterstein

Purchase Required By: Reliability

Class ID: 4392 - VEHICLES

FY 2018 COST BREAKDOWN			
Cost Estimate:	Quantity	Per Unit	Total Cost
Purchase Price	-	\$ -	\$ -
Delivery	-	-	-
Installation	-	-	-
Trade-In	-	-	-
Other	-	-	-
<i>Totals</i>			\$ -

Areas:	
Scheduled Replacement	x
Replace Obsolete Equipment	x
Replace Worn Out Equipment	x
Reduce Personnel Time	x
Expand Service	x
Other	
New Operation	
Improve Operations	x

Quantity	
Replacements	1
Additions	-
<i>Total</i>	1

Proposed Funding Sources:	
Rates	\$ -
Other (describe)	-
<i>Total</i>	\$ -

ASSET(S) TO BE REPLACED					
FPUA Asset Number	Description/Serial Number	Mileage / Age	Asset Condition	FY 2016 Maint. Cost	Recommended Disposition
17-509	Ford F-350 1FDSF35L22EC4934	80,000/2002	Fair	\$2,286.15	Auction

FORT PIERCE UTILITIES AUTHORITY
FY 2018 Capital Budget Request - Fixed Asset
22 - Materials Management

Fixed Asset Name: 1/2 Ton Pickup Truck

Fixed Asset Description: 2 Wheel drive pick up truck for Materials Management

Justification for Purchase: Vehicle will meet criteria for replacement, the vehicle will be 19 years old in 2019 and have between 80,000 to 100,000 miles. This vehicle will meet the criteria for vehicle replacement in 2019. Recommend that we move the purchase of a new vehicle out to FY 2020 because the vehicle has been taken care of by the Materials Management staff.

Alternatives: Repair truck as needed.

Request #: FA - 2
Fixed Asset #: _____
Priority #: 0

	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
Total Proposed Costs:	\$ -	\$ -	\$ 25,000	\$ -	\$ -	\$ 25,000

Anticipated Purchase Date: 10/1/2019

Project Manager: 6266 - Eric Winterstein

Purchase Required By: Reliability

Class ID: 4392 - VEHICLES

FY 2018 COST BREAKDOWN			
Cost Estimate:	Quantity	Per Unit	Total Cost
Purchase Price	-	\$ -	\$ -
Delivery	-	-	-
Installation	-	-	-
Trade-In	-	-	-
Other	-	-	-
<i>Totals</i>			\$ -

Areas:	
Scheduled Replacement	x
Replace Obsolete Equipment	
Replace Worn Out Equipment	x
Reduce Personnel Time	
Expand Service	
Other	
New Operation	
Improve Operations	x

Quantity	
Replacements	1
Additions	-
<i>Total</i>	1

Proposed Funding Sources:	
Rates	\$ -
Other (describe)	-
<i>Total</i>	\$ -

ASSET(S) TO BE REPLACED					
FPUA Asset Number	Description/Serial Number	Mileage / Age	Asset Condition	FY 2016 Maint. Cost	Recommended Disposition
15-527	F-150 Pick up 1GCEC14TX	80,000/20	Good	\$2,516.02	Auction

FORT PIERCE UTILITIES AUTHORITY
Capital Budget Request - Summary Sheet
FY 2018

Department Name: 32 - Information Technology Services

Request Number	Project Title or Asset Name	Projected Costs						
		Est. Total Through 9/30/2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total 5 Years FY 2018-22
FA-1	Dept. Hardware & Software	-	115,500	100,000	100,000	100,000	100,000	515,500
FA-2	Servers	-	50,000	30,000	50,000	30,000	50,000	210,000
FA-3	Great Plains/Cogsdale	-	-	10,000	-	10,000	-	20,000
FA-4	Telephony	-	-	-	65,000	-	-	65,000
FA-5	Vehicle Replacement	-	-	-	-	25,000	-	25,000
1	Security System	-	50,000	50,000	50,000	25,000	-	175,000
2	Network&Comm Infrastructure Ex	-	-	50,000	35,000	120,000	35,000	240,000
Total		-	215,500	240,000	300,000	310,000	185,000	1,250,500

Request Number	Project Title or Asset Name	Priority Rating Area							
		I	II	III	IV	V	VI	Total Points	Dept. Head Rating
FA-1	Dept. Hardware & Software		10	2	2	2	6	22	2
FA-2	Servers		10	6	4	2	6	28	3
FA-3	Great Plains/Cogsdale							-	
FA-4	Telephony							-	
FA-5	Vehicle Replacement							-	
1	Security System	12	10	2	2	4	6	36	1
2	Network&Comm Infrastructure Ex							-	

Proposed Funding Sources:	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total 5 Years FY 2018-22
Rates	215,500	240,000	300,000	310,000	185,000	1,250,500
Contribution-in-Aid	-	-	-	-	-	-
Capital Improvement Charges	-	-	-	-	-	-
Total	215,500	240,000	300,000	310,000	185,000	1,250,500

FORT PIERCE UTILITIES AUTHORITY
FY 2018 Capital Budget Request - Fixed Asset
32 - Information Technology Services

Fixed Asset Name: Dept. Hardware & Software

Fixed Asset Description: Hardware & Software requests from departments, including but not limited to the following: Incident Software, Windows Server Datacenter Licenses and Monitoring Software.

Request #: FA - 1
Fixed Asset #: 439918001
Priority #: 2

Justification for Purchase: Fulfill the hardware and software needs of all departments in meeting the demands for increased productivity and effectiveness in providing services to FPUA customers.

Alternatives: Continue utilizing existing hardware/software throughout all departments resulting in degradation of technology services available to ensure various departments can run as efficiently and effectively as possible.

	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
Total Proposed Costs:	\$ 115,500	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 515,500

Anticipated Purchase Date: 10/1/2017

Project Manager: 6658 - Doug Pupard

Purchase Required By: Efficiency/Safety

Class ID: 4399 - COMPUTER EQUIPMENT

FY 2018 COST BREAKDOWN			
Cost Estimate:	Quantity	Per Unit	Total Cost
Purchase Price	Various		\$ 115,500
Delivery	-	-	-
Installation	-	-	-
Trade-In	-	-	-
Other	-	-	-
<i>Totals</i>			\$ 115,500

Areas:	
Scheduled Replacement	x
Replace Obsolete Equipment	x
Replace Worn Out Equipment	x
Reduce Personnel Time	x
Expand Service	x
Other	
New Operation	x
Improve Operations	x

Quantity	
Replacements	1
Additions	3
<i>Total</i>	4

Proposed Funding Sources:	
Rates	\$ 115,500
Other (describe)	-
<i>Total</i>	\$ 115,500

ASSET(S) TO BE REPLACED					
FPUA Asset Number	Description/Serial Number	Mileage / Age	Asset Condition	FY 2016 Maint. Cost	Recommended Disposition

FORT PIERCE UTILITIES AUTHORITY
FY 2018 Capital Budget Request - Fixed Asset
32 - Information Technology Services

Fixed Asset Name: Servers

Fixed Asset Description: Replacement of servers.

Justification for Purchase: Replacement of servers as needed to ensure efficient and effective operations.

Alternatives: Continue utilizing non-warranted and outdated equipment which will become more costly if repairs are needed and rely on a server environment that is not hardened, possibly resulting in lost production time due to extended outage of shared data services.

Request #: FA - 2
Fixed Asset #: 439918002
Priority #: 3

Total Proposed Costs:

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
\$ 50,000	\$ 30,000	\$ 50,000	\$ 30,000	\$ 50,000	\$ 210,000

Anticipated Purchase Date: 12/1/2017

Project Manager: 6658 - Doug Pupard

Purchase Required By: Reliability

Class ID: 4399 - COMPUTER EQUIPMENT

FY 2018 COST BREAKDOWN			
Cost Estimate:	Quantity	Per Unit	Total Cost
Purchase Price	Various	\$ -	\$ 50,000
Delivery	-	-	-
Installation	-	-	-
Trade-In	-	-	-
Other	-	-	-
<i>Totals</i>			\$ 50,000

Areas:	
Scheduled Replacement	X
Replace Obsolete Equipment	X
Replace Worn Out Equipment	X
Reduce Personnel Time	
Expand Service	
Other	
New Operation	
Improve Operations	X

Quantity	
Replacements	2
Additions	-
<i>Total</i>	2

Proposed Funding Sources:	
Rates	\$ 50,000
Other (describe)	-
<i>Total</i>	\$ 50,000

ASSET(S) TO BE REPLACED					
FPUA Asset Number	Description/Serial Number	Mileage / Age	Asset Condition	FY 2016 Maint. Cost	Recommended Disposition

FORT PIERCE UTILITIES AUTHORITY
FY 2018 Capital Budget Request - Fixed Asset
32 - Information Technology Services

Fixed Asset Name: Great Plains/Cogsdale

Fixed Asset Description: Software Modules

Justification for Purchase: Additional CSM locations.

Request #: FA - 3
Fixed Asset #: _____
Priority #: 0

Alternatives: Do not purchase additional modules and continue using inefficient processes.

	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
Total Proposed Costs:	\$ -	\$ 10,000	\$ -	\$ 10,000	\$ -	\$ 20,000

Anticipated Purchase Date: 10/1/2018

Project Manager: 6502 - Tom Fryar

Purchase Required By: Efficiency

Class ID: 4399 - COMPUTER EQUIPMENT

FY 2018 COST BREAKDOWN			
Cost Estimate:	Quantity	Per Unit	Total Cost
Purchase Price			\$ -
Delivery	-	-	-
Installation	-	-	-
Trade-In	-	-	-
Other	-	-	-
<i>Totals</i>			\$ -

Areas:	
Scheduled Replacement	
Replace Obsolete Equipment	
Replace Worn Out Equipment	
Reduce Personnel Time	
Expand Service	X
Other	
New Operation	
Improve Operations	

Quantity	
Replacements	-
Additions	-
<i>Total</i>	-

Proposed Funding Sources:	
Rates	\$ -
Other (describe)	-
<i>Total</i>	\$ -

ASSET(S) TO BE REPLACED					
FPUA Asset Number	Description/Serial Number	Mileage / Age	Asset Condition	FY 2016 Maint. Cost	Recommended Disposition

FORT PIERCE UTILITIES AUTHORITY
FY 2018 Capital Budget Request - Fixed Asset
32 - Information Technology Services

Fixed Asset Name: Telephony

Fixed Asset Description: Software upgrade to VoIP System

Request #: FA - 4

Fixed Asset #: _____

Priority #: 0

Justification for Purchase: Upgrade of software for the VoIP System to ensure technology is up to date.

Alternatives: Continue utilizing the application at their current build and version release, and no longer receive cost efficient support as needed on product issues.

	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
Total Proposed Costs:	\$ -	\$ -	\$ 65,000	\$ -	\$ -	\$ 65,000

Anticipated Purchase Date: 1/2/2020

Project Manager: 6658 - Doug Pupard

Purchase Required By: R&R

Class ID: 4397 - COMMUNICATION EQUIPMENT

FY 2018 COST BREAKDOWN			
Cost Estimate:	Quantity	Per Unit	Total Cost
Purchase Price	-	\$ -	\$ -
Delivery	-	-	-
Installation	-	-	-
Trade-In	-	-	-
Other	-	-	-
<i>Totals</i>			\$ -

Areas:	
Scheduled Replacement	X
Replace Obsolete Equipment	X
Replace Worn Out Equipment	X
Reduce Personnel Time	
Expand Service	
Other	
New Operation	
Improve Operations	X

Quantity	
Replacements	-
Additions	-
<i>Total</i>	-

Proposed Funding Sources:	
Rates	\$ -
Other (describe)	-
<i>Total</i>	\$ -

ASSET(S) TO BE REPLACED					
FPUA Asset Number	Description/Serial Number	Mileage / Age	Asset Condition	FY 2016 Maint. Cost	Recommended Disposition

FORT PIERCE UTILITIES AUTHORITY
FY 2018 Capital Budget Request - Fixed Asset
32 - Information Technology Services

Fixed Asset Name: Vehicle Replacement

Fixed Asset Description: Vehicle Replacement

Justification for Purchase: Replacement of 2006 Ford Escape

Request #: FA - 5
Fixed Asset #: _____
Priority #: 0

Alternatives: Continue using the vehicle at a higher annual maintenance rate.

	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
Total Proposed Costs:	\$ -	\$ -	\$ -	\$ 25,000	\$ -	\$ 25,000

Anticipated Purchase Date: _____ **Project Manager:** _____

Purchase Required By: _____ **Class ID:** _____

FY 2018 COST BREAKDOWN			
Cost Estimate:	Quantity	Per Unit	Total Cost
Purchase Price	-	\$ -	\$ -
Delivery	-	-	-
Installation	-	-	-
Trade-In	-	-	-
Other	-	-	-
<i>Totals</i>			\$ -

Areas:	
Scheduled Replacement	
Replace Obsolete Equipment	
Replace Worn Out Equipment	
Reduce Personnel Time	
Expand Service	
Other	
New Operation	
Improve Operations	

Quantity	
Replacements	-
Additions	-
<i>Total</i>	-

Proposed Funding Sources:	
Rates	\$ -
Other (describe)	-
<i>Total</i>	\$ -

ASSET(S) TO BE REPLACED					
FPUA Asset Number	Description/Serial Number	Mileage / Age	Asset Condition	FY 2016 Maint. Cost	Recommended Disposition
11-203	Ford Escape / 1FMCU02Z36KD04512	58,759 / 12			

FORT PIERCE UTILITIES AUTHORITY
FY 2018 Capital Budget Request - Project
32 - Information Technology Services

Project Title: Security System

Request #: 1
Project #: 402
Priority #: 1
Project Type: BLKT

Description of Project: Security System

Location: FPUA locations

Justification: Continuation of taking proactive measures to make and enhance a homogeneous security system for all FPUA properties and to comply with increased security scrutiny in government regulations.

Alternatives: Continue using inefficient and unreliable mixtures of camera systems with no integration, expensive out-sourcing of support from multiple vendors, inability to realize cost savings by economy of scale purchasing and possibility of being fined for not meeting regulatory requirements.

Describe any site preparation or removal of existing assets: None.

Impact to operating income: Does not increase operating income but will provide needed security for FPUA properties.

Anticipated start date: On-going

Anticipated completion date: On-going

Project Manager: 6502 - Tom Fryar

Purchase Required By: DHS/NERC/Safety

Contract Description	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
	50,000	50,000	50,000	25,000	-	175,000
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
<i>Totals</i>	50,000	50,000	50,000	25,000	-	175,000

Actual Amount Spent 10/1/16- 3/31/17 -

<i>Inception through 9/30/16</i>	-
<i>Estimated Cost for FY 2017</i>	-
<i>Est. FY 2017 Budget Carryover</i>	-
<i>Estimated Total Through 9/30/17</i>	-

Proposed Funding Sources:	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
Rates	50,000	50,000	50,000	25,000	-	175,000
Contribution-in-Aid	-	-	-	-	-	-
Capital Improvement Charges	-	-	-	-	-	-
<i>Total</i>	50,000	50,000	50,000	25,000	-	175,000

FORT PIERCE UTILITIES AUTHORITY
FY 2018 Capital Budget Request - Project
32 - Information Technology Services

Project Title: Network&Comm Infrastructure Ex

Request #: 2
Project #: 403
Priority #: 0
Project Type: BLKT

Description of Project: Network & Communications Infrastructure Expansion

Location: Various FPUA locations

Justification: Required to meet FPUA communications standards for expansion to key areas of equipment and to ensure redundant paths to each critical facility. This includes allowing for expansion of the current corporate fiber infrastructure to reach other FPUA facilities as needed.

Alternatives: Continue using the existing infrastructure that provides slower, less efficient and less reliable communication transmissions.

Describe any site preparation or removal of existing assets: None.

Impact to operating income: Does not increase operating income but may prevent the loss of revenue and production time should the system become damaged.

Anticipated start date: On-going

Anticipated completion date: On-going

Project Manager: 6658 - Doug Pupard

Purchase Required By: Reliability

Contract Description	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
4397 - COMMUNICATION EQUIPMENT	-	25,000	20,000	70,000	20,000	135,000
4393 - STORES/WAREHOUSE EQUIPMENT	-	25,000	15,000	50,000	15,000	105,000
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
<i>Totals</i>	-	50,000	35,000	120,000	35,000	240,000

<i>Actual Amount Spent 10/1/16- 3/31/17</i>	-
<i>Inception through 9/30/16</i>	-
<i>Estimated Cost for FY 2017</i>	-
<i>Est. FY 2017 Budget Carryover</i>	-
<i>Estimated Total Through 9/30/17</i>	-

Proposed Funding Sources:	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
Rates	-	50,000	35,000	120,000	35,000	240,000
Contribution-in-Aid	-	-	-	-	-	-
Capital Improvement Charges	-	-	-	-	-	-
<i>Total</i>	-	50,000	35,000	120,000	35,000	240,000

FORT PIERCE UTILITIES AUTHORITY
Capital Budget Request - Summary Sheet
FY 2018

Department Name: 35 - Facilities

Request Number	Project Title or Asset Name	Projected Costs						
		Est. Total Through 9/30/2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total 5 Years FY 2018-22
FA-1	Chilled Water Air Handlers	-	75,000	-	-	-	-	75,000
FA-2	ESC Entrance Roll-up Door	-	30,000	-	-	-	-	30,000
FA-3	Annex Air Handlers	-	-	37,500	-	-	-	37,500
FA-4	Replace Chiller at ESC	-	-	-	-	-	120,000	120,000
Total		-	105,000	37,500	-	-	120,000	262,500

Request Number	Project Title or Asset Name	Priority Rating Area							
		I	II	III	IV	V	VI	Total Points	Dept. Head Rating
FA-1	Chilled Water Air Handlers	8	10	6	6	4	6	40	1
FA-2	ESC Entrance Roll-up Door	8	6	8	6	2	6	36	2
FA-3	Annex Air Handlers	8	6	6	6	2	6	34	
FA-4	Replace Chiller at ESC	8	6	6	6	2	6	34	

Proposed Funding Sources:	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total 5 Years FY 2018-22
Rates	105,000	37,500	-	-	120,000	262,500
Contribution-in-Aid	-	-	-	-	-	-
Capital Improvement Charges	-	-	-	-	-	-
Total	105,000	37,500	-	-	120,000	120,000

FORT PIERCE UTILITIES AUTHORITY
FY 2018 Capital Budget Request - Fixed Asset
35 - Facilities

Request #: FA - 1
Fixed Asset #: 439018001
Priority #: 1

Fixed Asset Name: Chilled Water Air Handlers

Fixed Asset Description: Two Chilled Water Air Handlers for the HVAC system that are located on the second floor of the Energy Services Center (ESC).

Justification for Purchase: The air handlers were installed during the construction of the building in 1994, at this time the air handlers have been in service for 23 years. The two air handlers on the first floor will be replaced in Fiscal 2017. The chiller that these air handlers work in conjunction with was installed in October of 2005.

Alternatives: Replace coils, blower fans, and pan in the old cabinets. The coils will cost at least \$8,000 and be placed in deteriorating cabinets with inefficeint blower motors and fans.

	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
Total Proposed Costs:	\$ 75,000	\$ -	\$ -	\$ -	\$ -	\$ 75,000

Anticipated Purchase Date: 12/1/2017

Project Manager: 6266 - Eric Winterstein

Purchase Required By: Reliability

Class ID: 4390 - STRUCTURES & IMPROVEMENTS

FY 2018 COST BREAKDOWN			
Cost Estimate:	Quantity	Per Unit	Total Cost
Purchase Price	2	\$ 37,500	\$ 75,000
Delivery	-	-	-
Installation	-	-	-
Trade-In	-	-	-
Other	-	-	-
<i>Totals</i>			\$ 75,000

Areas:	
Scheduled Replacement	x
Replace Obsolete Equipment	x
Replace Worn Out Equipment	x
Reduce Personnel Time	x
Expand Service	
Other	
New Operation	
Improve Operations	x

Quantity	
Replacements	2
Additions	-
<i>Total</i>	2

Proposed Funding Sources:	
Rates	\$ 75,000
Other (describe)	-
<i>Total</i>	\$ 75,000

ASSET(S) TO BE REPLACED					
FPUA Asset Number	Description/Serial Number	Mileage / Age	Asset Condition	FY 2016 Maint. Cost	Recommended Disposition
FAC0131	Air Handler #3	24 years	Fair		Scrap
FAC132	Air Handler #4	24 years	Fair		Scrap

FORT PIERCE UTILITIES AUTHORITY
FY 2018 Capital Budget Request - Fixed Asset
35 - Facilities

Request #: FA - 2
Fixed Asset #: 439018002
Priority #: 2

Fixed Asset Name: ESC Entrance Roll-up Door

Fixed Asset Description: Overhead roll-up door for front entrance of ESC

Justification for Purchase: Eliminate staff time to install hurricane shutters on the front entrance at ESC the Emergency Operations Center for FPUA. The front entrance of the building can remain open for employees to egress, stocking supplies and equipment needed to prepare for storm restoration. When the storm has passed, the door can be raised without the use of staff performing storm restoration. This overhead door can also be used for security issues as needed.

Alternatives: Continue to put up the jigsaw puzzle hurricane panels that require three men and a bucket truck to install.

	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
Total Proposed Costs:	\$ 30,000	\$ -	\$ -	\$ -	\$ -	\$ 30,000

Anticipated Purchase Date: 12/1/2017

Project Manager: 6266 - Eric Winterstein

Purchase Required By: Storm Hardening

Class ID: 4390 - STRUCTURES & IMPROVEMENTS

FY 2018 COST BREAKDOWN			
Cost Estimate:	Quantity	Per Unit	Total Cost
Purchase Price	1	\$ 30,000	\$ 30,000
Delivery	-	-	-
Installation	-	-	-
Trade-In	-	-	-
Other	-	-	-
<i>Totals</i>			\$ 30,000

Areas:	
Scheduled Replacement	
Replace Obsolete Equipment	x
Replace Worn Out Equipment	
Reduce Personnel Time	x
Expand Service	
Other	
New Operation	
Improve Operations	x

Quantity	
Replacements	-
Additions	1
<i>Total</i>	1

Proposed Funding Sources:	
Rates	\$ 30,000
Other (describe)	-
<i>Total</i>	\$ 30,000

ASSET(S) TO BE REPLACED					
FPUA Asset Number	Description/Serial Number	Mileage / Age	Asset Condition	FY 2016 Maint. Cost	Recommended Disposition
	None				

FORT PIERCE UTILITIES AUTHORITY
FY 2018 Capital Budget Request - Fixed Asset
35 - Facilities

Request #: FA - 3
Fixed Asset #: _____
Priority #: 0

Fixed Asset Name: Annex Air Handlers

Fixed Asset Description: Replace the two air handlers located in the mechanical room located on the second floor at 500 Boston Avenue

Justification for Purchase: These freon based air handlers were built in August of 1992. They will be in service 27 years in 2019. The equipment will be in need of repair by Fiscal 2019. The existing equipment is inefficient and lacking of an energy management system. Access for the removal of the old units and the installation of the new units will be through the east side of the building by a conveyance machine.

Alternatives: Continue using the existing inefficient air handlers and replace parts as they fail.

	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
Total Proposed Costs:	\$ -	\$ 37,500	\$ -	\$ -		\$ 37,500

Anticipated Purchase Date: 10/1/2018

Project Manager: 6266 - Eric Winterstein

Purchase Required By: Reliability

Class ID: 4390 - STRUCTURES & IMPROVEMENTS

FY 2018 COST BREAKDOWN			
Cost Estimate:	Quantity	Per Unit	Total Cost
Purchase Price	-	\$ -	\$ -
Delivery	-	-	-
Installation	-	-	-
Trade-In	-	-	-
Other	-	-	-
<i>Totals</i>			\$ -

Areas:	
Scheduled Replacement	x
Replace Obsolete Equipment	x
Replace Worn Out Equipment	x
Reduce Personnel Time	x
Expand Service	
Other	
New Operation	
Improve Operations	x

Quantity	
Replacements	2
Additions	-
<i>Total</i>	2

Proposed Funding Sources:	
Rates	\$ -
Other (describe)	-
<i>Total</i>	\$ -

ASSET(S) TO BE REPLACED					
FPUA Asset Number	Description/Serial Number	Mileage / Age	Asset Condition	FY 2016 Maint. Cost	Recommended Disposition
FAC 0137	Snyder General S# 3XHD1211-04	25 years	Fair		Scrap
FAC 0139	Snyder General S# 3XHD1212-04	25 years	Fair		Scrap

FORT PIERCE UTILITIES AUTHORITY
FY 2018 Capital Budget Request - Fixed Asset
35 - Facilities

Request #: FA - 4
Fixed Asset #: _____
Priority #: 0

Fixed Asset Name: Replace Chiller at ESC

Fixed Asset Description: Replace 110 ton chiller at ESC, increase unit size to 120 ton to accommodate mezzanine office expansion

Justification for Purchase: The existing unit was installed in 2005 and will be 20 years old in 2025. The life cycle of this equipment is 20 years of continual service. Although 110 ton chiller is operating at maximum capacity, it will not meet the needs of future expansion of the warehouse mezzanines for office space. If this additional office space is needed, the most efficient way to cool the space is with a chiller.

Alternatives: Continue using the existing chiller beyond its life cycle and add multiple stand alone HVAC systems for the future office space on the mezzanine as needed.

	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
Total Proposed Costs:	\$ -	\$ -	\$ -	\$ -	\$ 120,000	\$ 120,000

Anticipated Purchase Date: 10/1/2022

Project Manager: 6266 - Eric Winterstein

Purchase Required By: Reliability

Class ID: 4390 - STRUCTURES & IMPROVEMENTS

FY 2018 COST BREAKDOWN			
Cost Estimate:	Quantity	Per Unit	Total Cost
Purchase Price	-	\$ -	\$ -
Delivery	-	-	-
Installation	-	-	-
Trade-In	-	-	-
Other	-	-	-
<i>Totals</i>			\$ -

Areas:	
Scheduled Replacement	
Replace Obsolete Equipment	
Replace Worn Out Equipment	
Reduce Personnel Time	
Expand Service	x
Other	
New Operation	
Improve Operations	x

Quantity	
Replacements	1
Additions	-
<i>Total</i>	1

Proposed Funding Sources:	
Rates	\$ -
Other (describe)	-
<i>Total</i>	\$ -

ASSET(S) TO BE REPLACED					
FPUA Asset Number	Description/Serial Number	Mileage / Age	Asset Condition	FY 2016 Maint. Cost	Recommended Disposition
	ESC chiller S#STNU050900067	12 years	Good		Sell

FORT PIERCE UTILITIES AUTHORITY
Capital Budget Request - Summary Sheet
FY 2018

Department Name: 54 - Electric Transmission & Distribution

Request Number	Project Title or Asset Name	Projected Costs						
		Est. Total Through 9/30/2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total 5 Years FY 2018-22
FA-1	Large Pole Trailer	-	45,000	-	-	-	-	45,000
FA-2	Tractor Loader Backhoe	-	24,000	-	-	-	-	24,000
FA-3	55 Foot Material Handler	-	295,000	-	-	-	-	295,000
FA-4	55 Foot Material Handler	-	-	295,000	-	-	-	295,000
FA-5	3/4 Ton Pickup	-	40,000	-	-	-	-	40,000
FA-6	55 Foot Material Handler	-	-	-	300,000	-	-	300,000
FA-7	110 Foot Material Handler	-	-	-	-	400,000	-	400,000
1	Retirement from plant	164,191	155,900	160,574	165,880	170,692	175,472	828,518
2	Transformer Replacement	98,687	91,769	94,542	97,378	100,578	103,396	487,663
3	Distribution Pole Replacement	501,341	269,681	277,752	286,084	294,667	303,363	1,431,547
4	Transmission Pole Replacement	19,713	27,418	28,771	29,634	30,525	31,440	147,788
5	Substation improvements (R&R)	30,000	54,025	55,620	57,288	59,077	60,849	286,859
6	Trans & Dist Improvements	764,428	465,245	479,201	493,849	508,357	523,607	2,470,259
Total		1,578,360	1,468,038	1,391,460	1,430,113	1,563,896	1,198,127	7,051,634

Request Number	Project Title or Asset Name	Priority Rating Area							
		I	II	III	IV	V	VI	Total Points	Dept. Head Rating
FA-1	Large Pole Trailer	8	6	3	2	2	6	27	7
FA-2	Tractor Loader Backhoe	8	8	6	2	2	6	32	8
FA-3	55 Foot Material Handler	10	8	3	4	2	6	33	9
FA-4	55 Foot Material Handler	8	6	3	4	2	6	29	
FA-5	3/4 Ton Pickup	8	8	3	4	2	6	31	10
FA-6	55 Foot Material Handler	8	6	3	4	2	6	29	
FA-7	110 Foot Material Handler	8	6	3	4	2	6	29	
1	Retirement from plant	10	8	3	4	6	6	37	4
2	Transformer Replacement	10	6	3	4	6	6	35	6
3	Distribution Pole Replacement	12	10	3	4	6	6	41	1
4	Transmission Pole Replacement	8	6	3	4	6	6	33	5
5	Substation improvements (R&R)	8	8	3	4	6	6	35	2
6	Trans & Dist Improvements	8	8	3	4	6	6	35	3

Proposed Funding Sources:	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total 5 Years FY 2018-22
Rates	1,468,038	1,391,460	1,430,113	1,563,896	1,198,127	7,051,634
Contribution-in-Aid	-	-	-	-	-	-
Capital Improvement Charges	-	-	-	-	-	-
Total	1,468,038	1,391,460	1,430,113	1,563,896	1,198,127	7,051,634

FORT PIERCE UTILITIES AUTHORITY
FY 2018 Capital Budget Request - Fixed Asset
54 - Electric Transmission & Distribution

Fixed Asset Name: Large Pole Trailer

Request #: FA - 1
Fixed Asset #: 539218001
Priority #: 7

Fixed Asset Description: Large trailer to transport longer heavier poles to job site.

Justification for Purchase: Replace aging pole trailer that has reached the end of useful life.

Alternatives: Maintain older trailer in service and deal with increased maintenance and repair cost.

	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
Total Proposed Costs:	\$ 45,000	\$ -	\$ -	\$ -	\$ -	\$ 45,000

Anticipated Purchase Date: 10/1/2017

Project Manager: 6058 - Bill Crawford

Purchase Required By: R&R

Class ID: 5392 - VEHICLES

FY 2018 COST BREAKDOWN			
Cost Estimate:	Quantity	Per Unit	Total Cost
Purchase Price	1	\$ 45,000	\$ 45,000
Delivery	-	-	-
Installation	-	-	-
Trade-In	-	-	-
Other	-	-	-
<i>Totals</i>			\$ 45,000

Areas:	
Scheduled Replacement	x
Replace Obsolete Equipment	
Replace Worn Out Equipment	x
Reduce Personnel Time	
Expand Service	
Other	
New Operation	
Improve Operations	

Quantity	
Replacements	1
Additions	-
<i>Total</i>	1

Proposed Funding Sources:	
Rates	\$ 45,000
Other (describe)	-
<i>Total</i>	\$ 45,000

ASSET(S) TO BE REPLACED					
FPUA Asset Number	Description/Serial Number	Mileage / Age	Asset Condition	FY 2016 Maint. Cost	Recommended Disposition
62-539	22000 pound pole trailer	12 years	poor		trade in or auction

FORT PIERCE UTILITIES AUTHORITY
FY 2018 Capital Budget Request - Fixed Asset
54 - Electric Transmission & Distribution

Fixed Asset Name: Tractor Loader Backhoe

Request #: FA - 2
Fixed Asset #: 539218002
Priority #: 8

Fixed Asset Description: Kubota model ALR9192/ALR9195R4 Tractor loader backhoe or equivalent

Justification for Purchase: Existing equipment is 13 years old and is undersized for our use and requires replacement. Over \$4,000 in repairs has been made to this piece of equipment over the last several years. Electric T & D will contribute half the cost for this equipment since it is used for ROW cutting. Purchase was postponed from last year.

Alternatives: Continue to pay for expensive repairs on the current piece of equipment

	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
Total Proposed Costs:	\$ 24,000	\$ -	\$ -	\$ -	\$ -	\$ 24,000

Anticipated Purchase Date: 10/1/2017

Project Manager: 5819 - Craig Crawford

Purchase Required By: Reliability

Class ID: 5392 - VEHICLES

FY 2018 COST BREAKDOWN			
Cost Estimate:	Quantity	Per Unit	Total Cost
Purchase Price	1	\$ 24,000	\$ 24,000
Delivery	-	-	-
Installation	-	-	-
Trade-In	-	-	-
Other	-	-	-
<i>Totals</i>			\$ 24,000

Areas:	
Scheduled Replacement	x
Replace Obsolete Equipment	
Replace Worn Out Equipment	x
Reduce Personnel Time	
Expand Service	
Other	
New Operation	
Improve Operations	

Quantity	
Replacements	1
Additions	-
<i>Total</i>	1

Proposed Funding Sources:	
Rates	\$ 24,000
Other (describe)	-
<i>Total</i>	\$ 24,000

ASSET(S) TO BE REPLACED					
FPUA Asset Number	Description/Serial Number	Mileage / Age	Asset Condition	FY 2016 Maint. Cost	Recommended Disposition
49-506	Kubota Track loader Backhoe	1130/13	Fair		Auction/sale/scrap

FORT PIERCE UTILITIES AUTHORITY
FY 2018 Capital Budget Request - Fixed Asset
54 - Electric Transmission & Distribution

Fixed Asset Name: 55 Foot Material Handler

Fixed Asset Description: 55 foot material handler used for distribution electrical work

Justification for Purchase: Replaces aging bucket truck that is near it's safe useful life with 12131 hours of use. This is part of Dept. 54's 10 year vehicle replacement plan.

Request #: FA - 3
Fixed Asset #: 539218003
Priority #: 9

Alternatives: Keep aging vehicle in service and deal with costly repair and maintenance cost.

	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
Total Proposed Costs:	\$ 295,000		\$ -	\$ -	\$ -	\$ 295,000

Anticipated Purchase Date: 10/1/2017

Project Manager: 6058 - Bill Crawford

Purchase Required By: R&R

Class ID: 5392 - VEHICLES

FY 2018 COST BREAKDOWN			
Cost Estimate:	Quantity	Per Unit	Total Cost
Purchase Price	1	\$ 295,000	\$ 295,000
Delivery	-	-	-
Installation	-	-	-
Trade-In	-	-	-
Other	-	-	-
<i>Totals</i>			\$ 295,000

Areas:	
Scheduled Replacement	x
Replace Obsolete Equipment	
Replace Worn Out Equipment	x
Reduce Personnel Time	
Expand Service	
Other	
New Operation	
Improve Operations	

Quantity	
Replacements	1
Additions	-
<i>Total</i>	1

Proposed Funding Sources:	
Rates	\$ 295,000
Other (describe)	-
<i>Total</i>	\$ 295,000

ASSET(S) TO BE REPLACED					
FPUA Asset Number	Description/Serial Number	Mileage / Age	Asset Condition	FY 2016 Maint. Cost	Recommended Disposition
21-382	07 Freightliner	61699/11	fair/poor		Trade/auction

FORT PIERCE UTILITIES AUTHORITY
FY 2018 Capital Budget Request - Fixed Asset
54 - Electric Transmission & Distribution

Fixed Asset Name: 55 Foot Material Handler

Fixed Asset Description: 55 foot material handler bucket truck for distribution work

Justification for Purchase: Replaces aging bucket truck with 8000 hours of use. This is part of dept. 54's 10 year replacement plan.

Request #: FA - 4
Fixed Asset #: _____
Priority #: 0

Alternatives: Keep aging vehicle in service and deal with repairs and maintenance cost

	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
Total Proposed Costs:	\$ -	\$ 295,000	\$ -	\$ -	\$ -	\$ 295,000

Anticipated Purchase Date: 10/1/2018

Project Manager: 6058 - Bill Crawford

Purchase Required By: R&R

Class ID: 5392 - VEHICLES

FY 2018 COST BREAKDOWN			
Cost Estimate:	Quantity	Per Unit	Total Cost
Purchase Price	-	\$ -	\$ -
Delivery	-	-	-
Installation	-	-	-
Trade-In	-	-	-
Other	-	-	-
<i>Totals</i>			\$ -

Areas:	
Scheduled Replacement	x
Replace Obsolete Equipment	
Replace Worn Out Equipment	x
Reduce Personnel Time	
Expand Service	
Other	
New Operation	
Improve Operations	

Quantity	
Replacements	1
Additions	-
<i>Total</i>	1

Proposed Funding Sources:	
Rates	\$ -
Other (describe)	-
<i>Total</i>	\$ -

ASSET(S) TO BE REPLACED					
FPUA Asset Number	Description/Serial Number	Mileage / Age	Asset Condition	FY 2016 Maint. Cost	Recommended Disposition
21-386	07 Friehtliner	60000/10	fair		Trade/auction

FORT PIERCE UTILITIES AUTHORITY
FY 2018 Capital Budget Request - Fixed Asset
54 - Electric Transmission & Distribution

Fixed Asset Name: 3/4 Ton Pickup

Request #: FA - 5
Fixed Asset #: 539218004
Priority #: 10

Fixed Asset Description: Flat bed truck used for hauling equipment and materials to job site.

Justification for Purchase: Replacing aging vehicle with high mileage. This is part of dept. 54's 10 year vehicle replacement plan.

Alternatives: Keep aging vehicle in service and deal with costly repair and maintenance cost.

	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
Total Proposed Costs:	\$ 40,000	\$ -	\$ -	\$ -	\$ -	\$ 40,000

Anticipated Purchase Date: 10/1/2017

Project Manager: 6266 - Eric Winterstein

Purchase Required By: R&R

Class ID: 5392 - VEHICLES

FY 2018 COST BREAKDOWN			
Cost Estimate:	Quantity	Per Unit	Total Cost
Purchase Price	1	\$ 40,000	\$ 40,000
Delivery	-	-	-
Installation	-	-	-
Trade-In	-	-	-
Other	-	-	-
<i>Totals</i>			\$ 40,000

Areas:	
Scheduled Replacement	x
Replace Obsolete Equipment	
Replace Worn Out Equipment	x
Reduce Personnel Time	
Expand Service	
Other	
New Operation	
Improve Operations	

Quantity	
Replacements	1
Additions	-
<i>Total</i>	1

Proposed Funding Sources:	
Rates	\$ 40,000
Other (describe)	-
<i>Total</i>	\$ 40,000

ASSET(S) TO BE REPLACED					
FPUA Asset Number	Description/Serial Number	Mileage / Age	Asset Condition	FY 2016 Maint. Cost	Recommended Disposition
21-373	02 GMC Sierra	126,429/15	poor		Auction

FORT PIERCE UTILITIES AUTHORITY
FY 2018 Capital Budget Request - Fixed Asset
54 - Electric Transmission & Distribution

Fixed Asset Name: 55 Foot Material Handler

Fixed Asset Description: 55 foot material handler bucket truck for distribution work

Justification for Purchase: Replaces aging bucket truck with 7821 hours of use. Part of Dept 54's 10 year replacement plan

Request #: FA - 6
Fixed Asset #: _____
Priority #: 0

Alternatives: Keep aging vehicle in service and deal with repairs and other maintenance costs.

	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
Total Proposed Costs:	\$ -	\$ -	\$ 300,000	\$ -	\$ -	\$ 300,000

Anticipated Purchase Date: 10/1/2019

Project Manager: 6058 - Bill Crawford

Purchase Required By: R&R

Class ID: 5392 - VEHICLES

FY 2018 COST BREAKDOWN			
Cost Estimate:	Quantity	Per Unit	Total Cost
Purchase Price	-	\$ -	\$ -
Delivery	-	-	-
Installation	-	-	-
Trade-In	-	-	-
Other	-	-	-
<i>Totals</i>			\$ -

Areas:	
Scheduled Replacement	x
Replace Obsolete Equipment	
Replace Worn Out Equipment	x
Reduce Personnel Time	
Expand Service	
Other	
New Operation	
Improve Operations	

Quantity	
Replacements	-
Additions	-
<i>Total</i>	-

Proposed Funding Sources:	
Rates	\$ -
Other (describe)	-
<i>Total</i>	\$ -

ASSET(S) TO BE REPLACED					
FPUA Asset Number	Description/Serial Number	Mileage / Age	Asset Condition	FY 2016 Maint. Cost	Recommended Disposition
21-389	55 ft material handler	49514/9	fair		Trade/auction

FORT PIERCE UTILITIES AUTHORITY
FY 2018 Capital Budget Request - Fixed Asset
54 - Electric Transmission & Distribution

Fixed Asset Name: 110 Foot Material Handler

Fixed Asset Description: 110 foot bucket truck used for transmission and distribution work

Justification for Purchase: Replaces aging bucket truck with 10,071 hours of use. Part of Dept 54's 10 year replacement plan. Current truck has limited reach on taller transmission poles.

Alternatives: Keep aging vehicle in service and deal with higher repairs and other maintenance costs. Rental of a tall bucket truck that could take a week to arrive on site.

Request #: FA - 7
Fixed Asset #: _____
Priority #: 0

Total Proposed Costs:

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
\$ -	\$ -		\$ 400,000	\$ -	\$ 400,000

Anticipated Purchase Date: 10/1/2020

Project Manager: 6058 - Bill Crawford

Purchase Required By: R&R

Class ID: 5392 - VEHICLES

FY 2018 COST BREAKDOWN			
Cost Estimate:	Quantity	Per Unit	Total Cost
Purchase Price	-	\$ -	\$ -
Delivery	-	-	-
Installation	-	-	-
Trade-In	-	-	-
Other	-	-	-
<i>Totals</i>			\$ -

Areas:	
Scheduled Replacement	x
Replace Obsolete Equipment	
Replace Worn Out Equipment	x
Reduce Personnel Time	
Expand Service	
Other	
New Operation	
Improve Operations	

Quantity	
Replacements	1
Additions	-
<i>Total</i>	1

Proposed Funding Sources:	
Rates	\$ -
Other (describe)	-
<i>Total</i>	\$ -

ASSET(S) TO BE REPLACED					
FPUA Asset Number	Description/Serial Number	Mileage / Age	Asset Condition	FY 2016 Maint. Cost	Recommended Disposition
21-378	03 frieghtliner elevator bucket	63930/14	poor		auction

FORT PIERCE UTILITIES AUTHORITY
FY 2018 Capital Budget Request - Project
54 - Electric Transmission & Distribution

Project Title: Retirement from plant

Request #: 1
Project #: 501
Priority #: 4
Project Type: BLKT

Description of Project: Removal of old transformers, poles and wire

Location: Entire FPUA service area

Justification: This project is for the removal of electrical facilities that are no longer needed. The PSC requires the removal of electrical facilities no longer needed.

Alternatives: Delay the removal of unused assets.

Describe any site preparation or removal of existing assets: Assets to be removed include poles, transformers, lights, conductors, anchors, etc.

Impact to operating income: None

Anticipated start date: On-going

Anticipated completion date: On-going

Project Manager: 6058 - Bill Crawford

Purchase Required By: PSC

Contract Description	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
5353 - SUBSTATION EQUIPMENT (Transmission)	13,752	14,164	14,589	15,000	15,400	72,905
5355 - POLES & FIXTURES (Transmission)	13,752	14,164	14,589	15,000	15,400	72,905
5356 - OVERHEAD LINES & DEVICES (Trans)	13,752	14,164	14,589	15,000	15,400	72,905
5362 - STATION EQUIPMENT (Distribution)	12,605	12,983	13,372	13,773	14,187	66,920
5364 - POLES, TOWERS & FIXTURES (Distribution)	12,605	12,983	13,372	13,773	14,187	66,920
5365 - OVERHEAD LINES & DEVICES (Distribution)	18,335	18,885	19,942	20,500	21,000	98,662
5367 - UNDERGROUND LINES & DEVICES (Dist)	12,605	12,983	13,372	13,773	14,187	66,920
5368 - TRANSFORMERS (Distribution)	8,022	8,263	8,511	8,766	9,000	42,562
5369 - SERVICE LINES (Distribution)	27,553	28,379	29,230	30,107	31,011	146,280
5372 - RENTAL LIGHTS (Distribution)	9,167	9,442	9,725	10,000	10,300	48,634
5373 - FPUA STREET LIGHTS (COUNTY & SLV) (Dist)	13,752	14,164	14,589	15,000	15,400	72,905
	-	-	-	-	-	-
	-	-	-	-	-	-
<i>Totals</i>	155,900	160,574	165,880	170,692	175,472	828,518

<i>Actual Amount Spent 10/1/16- 3/31/17</i>	15,226
<i>Inception through 9/30/16</i>	34,191
<i>Estimated Cost for FY 2017</i>	130,000
<i>Est. FY 2017 Budget Carryover</i>	-
<i>Estimated Total Through 9/30/17</i>	164,191

Proposed Funding Sources:	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
Rates	155,900	160,574	165,880	170,692	175,472	828,518
Contribution-in-Aid	-	-	-	-	-	-
Capital Improvement Charges	-	-	-	-	-	-
<i>Total</i>	155,900	160,574	165,880	170,692	175,472	828,518

FORT PIERCE UTILITIES AUTHORITY
FY 2018 Capital Budget Request - Project
54 - Electric Transmission & Distribution

Project Title: Transformer Replacement

Request #: 2

Project #: 504

Priority #: 6

Project Type: BLKT

Description of Project: Replacement of padmount transformers identified through our inspection program.

Location: FPUA electric service area

Justification: Part of an on-going inspection program to comply with NESC requirements.

Alternatives: Delay replacement of units failing inspection. This is not desirable due to the potential impact to public safety and service reliability.

Describe any site preparation or removal of existing assets: Deteriorated transformers would be removed and replaced.

Impact to operating income: The impact is a combination of avoided restoration cost plus revenue during outages. Total estimated income: at \$6000.

Anticipated start date: On-going

Anticipated completion date: On-going

Project Manager: 6058 - Bill Crawford

Purchase Required By: NESC

Contract Description	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
5367 - UNDERGROUND LINES & DEVICES (Dist)	11,014	11,344	11,684	12,035	12,396	58,473
5368 - TRANSFORMERS (Distribution)	80,755	83,198	85,694	88,543	91,000	429,190
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
<i>Totals</i>	91,769	94,542	97,378	100,578	103,396	487,663

<i>Actual Amount Spent 10/1/16- 3/31/17</i>	32,367
<i>Inception through 9/30/16</i>	4,687
<i>Estimated Cost for FY 2017</i>	94,000
<i>Est. FY 2017 Budget Carryover</i>	-
<i>Estimated Total Through 9/30/17</i>	98,687

Proposed Funding Sources:	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
Rates	91,769	94,542	97,378	100,578	103,396	487,663
Contribution-in-Aid	-	-	-	-	-	-
Capital Improvement Charges	-	-	-	-	-	-
<i>Total</i>	91,769	94,542	97,378	100,578	103,396	487,663

FORT PIERCE UTILITIES AUTHORITY
FY 2018 Capital Budget Request - Project
54 - Electric Transmission & Distribution

Project Title: Distribution Pole Replacement

Request #: 3

Project #: 505

Priority #: 1

Project Type: BLKT

Description of Project: Replace distribution poles that failed inspection by contractor specializing in wood pole testing.

Location: FPUA electric service area

Justification: This is part of an on-going pole inspection and maintenance program to identify and correct deficiencies before they become a problem. Pole inspection programs are a NESC and PSC requirement. Approximately 400 poles to be replaced.

Alternatives: Delay replacement. This is not recommended due to impact on reliability and compliance with PSC mandate.

Describe any site preparation or removal of existing assets: Replace deteriorated poles.

Impact to operating income: None

Anticipated start date: On-going

Anticipated completion date: On-going

Project Manager: 6136 - Bill Kaeff

Purchase Required By: PSC

Contract Description	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
5364 - POLES, TOWERS & FIXTURES (Distribution)	86,298	88,867	91,533	94,279	97,000	457,977
5365 - OVERHEAD LINES & DEVICES (Distribution)	75,998	78,278	80,626	83,045	85,500	403,447
5368 - TRANSFORMERS (Distribution)	97,085	99,998	102,998	106,088	109,270	515,439
5369 - SERVICE LINES (Distribution)	10,300	10,609	10,927	11,255	11,593	54,684
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
<i>Totals</i>	269,681	277,752	286,084	294,667	303,363	1,431,547

<i>Actual Amount Spent 10/1/16- 3/31/17</i>	72,598
<i>Inception through 9/30/16</i>	224,341
<i>Estimated Cost for FY 2017</i>	277,000
<i>Est. FY 2017 Budget Carryover</i>	-
<i>Estimated Total Through 9/30/17</i>	501,341

Proposed Funding Sources:	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
Rates	269,681	277,752	286,084	294,667	303,363	1,431,547
Contribution-in-Aid	-	-	-	-	-	-
Capital Improvement Charges	-	-	-	-	-	-
<i>Total</i>	269,681	277,752	286,084	294,667	303,363	1,431,547

FORT PIERCE UTILITIES AUTHORITY
FY 2018 Capital Budget Request - Project
54 - Electric Transmission & Distribution

Project Title: Transmission Pole Replacement

Request #: 4
Project #: 507
Priority #: 5
Project Type: BLKT

Description of Project: Replace transmission poles that fail inspection

Location: FPUA electric service area

Justification: This is part of an on-going pole inspection and maintenance program to identify and correct deficiencies before they become a problem. Pole inspection programs are required by NESC and PSC.

Alternatives: Delay replacement. This is not recommended due to compliance with PSC mandate and reliability.

Describe any site preparation or removal of existing assets: Replace deteriorated pole.

Impact to operating income: None

Anticipated start date: On-Going

Anticipated completion date: On-Going

Project Manager: 6136 - Bill Kaeff

Purchase Required By: PSC

Contract Description	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
5355 - POLES & FIXTURES (Transmission)	7,035	7,035	7,246	7,463	7,687	36,466
5356 - OVERHEAD LINES & DEVICES (Trans)	5,267	5,796	5,970	6,150	6,334	29,517
5365 - OVERHEAD LINES & DEVICES (Distribution)	5,267	5,796	5,970	6,150	6,334	29,517
5368 - TRANSFORMERS (Distribution)	7,035	7,246	7,463	7,687	7,918	37,349
5369 - SERVICE LINES (Distribution)	2,814	2,898	2,985	3,075	3,167	14,939
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
<i>Totals</i>	27,418	28,771	29,634	30,525	31,440	147,788

<i>Actual Amount Spent 10/1/16- 3/31/17</i>	-
<i>Inception through 9/30/16</i>	3,713
<i>Estimated Cost for FY 2017</i>	16,000
<i>Est. FY 2017 Budget Carryover</i>	-
<i>Estimated Total Through 9/30/17</i>	19,713

Proposed Funding Sources:	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
Rates	27,418	28,771	29,634	30,525	31,440	147,788
Contribution-in-Aid	-	-	-	-	-	-
Capital Improvement Charges	-	-	-	-	-	-
<i>Total</i>	27,418	28,771	29,634	30,525	31,440	147,788

FORT PIERCE UTILITIES AUTHORITY
FY 2018 Capital Budget Request - Project
54 - Electric Transmission & Distribution

Project Title: Substation improvements (R&R)

Request #: 5

Project #: 511

Priority #: 2

Project Type: BLKT

Description of Project: Miscellaneous substation improvements. Batteries, bulbs, wire, insulators, etc..

Location: All FPUA transmission and substations

Justification: This project is necessary to fund replacement of items that fail or are scheduled for replacement.

Alternatives: Allow substation equipment to deteriorate and accept a lower level of reliability and safety for our employees.

Describe any site preparation or removal of existing assets: None

Impact to operating income: None

Anticipated start date: On-going

Anticipated completion date: On-going

Project Manager: 6058 - Bill Crawford

Purchase Required By: R&R

Contract Description	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
5353 - SUBSTATION EQUIPMENT (Transmission)	11,886	12,243	12,610	13,000	13,390	63,129
5361 - STRUCTURES & IMPROVEMENTS (Dist)	8,104	8,347	8,598	8,900	9,167	43,116
5362 - STATION EQUIPMENT (Distribution)	14,587	15,025	15,475	16,000	16,480	77,567
5365 - OVERHEAD LINES & DEVICES (Distribution)	8,104	8,347	8,597	8,850	9,115	43,013
5366 - UNDERGROUND CONDUIT (Distribution)	3,241	3,338	3,438	3,500	3,605	17,122
5375 - FIBER OPTIC CABLE (Distribution)	2,161	2,200	2,266	2,333	2,403	11,363
5364 - POLES, TOWERS & FIXTURES (Distribution)	5,942	6,120	6,304	6,494	6,689	31,549
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
<i>Totals</i>	54,025	55,620	57,288	59,077	60,849	286,859

<i>Actual Amount Spent 10/1/16- 3/31/17</i>	-
<i>Inception through 9/30/16</i>	-
<i>Estimated Cost for FY 2017</i>	30,000
<i>Est. FY 2017 Budget Carryover</i>	-
<i>Estimated Total Through 9/30/17</i>	30,000

Proposed Funding Sources:	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
Rates	54,025	55,620	57,288	59,077	60,849	286,859
Contribution-in-Aid	-	-	-	-	-	-
Capital Improvement Charges	-	-	-	-	-	-
<i>Total</i>	54,025	55,620	57,288	59,077	60,849	286,859

FORT PIERCE UTILITIES AUTHORITY
FY 2018 Capital Budget Request - Project
54 - Electric Transmission & Distribution

Project Title: Trans & Dist Improvements

Request #: 6

Project #: 515

Priority #: 3

Project Type: BLKT

Description of Project: Improvement (R&R) of transmission and distribution electric lines

Location: Entire FPUA electric service area

Justification: This project is necessary to fund replacement of T&D facilities that fail or have reached end of life.

Alternatives: Allow equipment to deteriorate and accept a lower level of reliability and safety for the public and our employees.

Describe any site preparation or removal of existing assets: None

Impact to operating income: None

Anticipated start date: On-going

Anticipated completion date: On-going

Project Manager: 6136 - Bill Kaeff

Purchase Required By: R&R

Contract Description	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
5364 - POLES, TOWERS & FIXTURES (Distribution)	90,200	92,906	95,963	99,000	101,970	480,039
5365 - OVERHEAD LINES & DEVICES (Distribution)	56,968	58,677	60,438	62,000	63,860	301,943
5366 - UNDERGROUND CONDUIT (Distribution)	80,706	83,127	85,621	88,000	90,640	428,094
5367 - UNDERGROUND LINES & DEVICES (Dist)	71,211	73,347	75,548	77,814	80,148	378,068
5368 - TRANSFORMERS (Distribution)	128,180	132,025	135,986	140,000	144,200	680,391
5369 - SERVICE LINES (Distribution)	23,737	24,449	25,183	25,983	26,762	126,114
5372 - RENTAL LIGHTS (Distribution)	14,243	14,670	15,110	15,560	16,027	75,610
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
<i>Totals</i>	465,245	479,201	493,849	508,357	523,607	2,470,259

<i>Actual Amount Spent 10/1/16- 3/31/17</i>	185,789
<i>Inception through 9/30/16</i>	314,428
<i>Estimated Cost for FY 2017</i>	450,000
<i>Est. FY 2017 Budget Carryover</i>	-
<i>Estimated Total Through 9/30/17</i>	764,428

Proposed Funding Sources:	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
Rates	465,245	479,201	493,849	508,357	523,607	2,470,259
Contribution-in-Aid	-	-	-	-	-	-
Capital Improvement Charges	-	-	-	-	-	-
<i>Total</i>	465,245	479,201	493,849	508,357	523,607	2,470,259

FORT PIERCE UTILITIES AUTHORITY
Capital Budget Request - Summary Sheet
FY 2018

Department Name: 55 - Electric Operations

Request Number	Project Title or Asset Name	Projected Costs						
		Est. Total Through 9/30/2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total 5 Years FY 2018-22
FA-1	Small Pickup Truck MIR's	-	24,040	24,761	25,504	26,269	27,057	127,631
FA-2	Meter Test Board	-	38,000	-	-	-	-	38,000
1	Electric Meter Replacements	172,202	160,000	160,000	160,000	160,000	160,000	800,000
Total		172,202	222,040	184,761	185,504	186,269	187,057	965,631

Request Number	Project Title or Asset Name	Priority Rating Area							
		I	II	III	IV	V	VI	Total Points	Dept. Head Rating
FA-1	Small Pickup Truck MIR's	10	8	6	6	6	6	42	1
FA-2	Meter Test Board	8	6	6	8	4	6	38	3
1	Electric Meter Replacements	8	10	8	6	2	6	40	2

Proposed Funding Sources:	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total 5 Years FY 2018-22
Rates	62,040	24,761	25,504	26,269	27,057	165,631
Contribution-in-Aid	-	-	-	-	-	-
Capital Improvement Charges	160,000	160,000	160,000	160,000	160,000	800,000
Total	222,040	184,761	185,504	186,269	187,057	965,631

FORT PIERCE UTILITIES AUTHORITY
FY 2018 Capital Budget Request - Fixed Asset
55 - Electric Operations

Request #: FA - 1
Fixed Asset #: 539218005
Priority #: 1

Fixed Asset Name: Small Pickup Truck MIR's

Fixed Asset Description: Replace aging pickup trucks that have reached end of useful life. This is part of department 55's 12-year vehicle replacement plan.

Justification for Purchase: Replace aging pickup trucks that have reached end of useful life. This is part of department 55's 12-year vehicle replacement plan. I would like fleet management to look at buying smaller size trucks going forward as they are easier to maneuver and are more economical and fuel efficient.

Alternatives: Keep aging vehicles in service and deal with repair and other maintenance cost.

	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
Total Proposed Costs:	\$ 24,040	\$ 24,761	\$ 25,504	\$ 26,269	\$ 27,057	\$ 127,631

Anticipated Purchase Date: 10/1/2017

Project Manager: 6518 - Thomas Parker

Purchase Required By: R&R

Class ID: 5392 - VEHICLES

FY 2018 COST BREAKDOWN			
Cost Estimate:	Quantity	Per Unit	Total Cost
Purchase Price	1	\$ -	\$ 24,040
Delivery	-	-	-
Installation	-	-	-
Trade-In	-	-	-
Other	-	-	-
<i>Totals</i>			\$ 24,040

Areas:	
Scheduled Replacement	x
Replace Obsolete Equipment	
Replace Worn Out Equipment	x
Reduce Personnel Time	
Expand Service	
Other	
New Operation	
Improve Operations	

Quantity	
Replacements	1
Additions	-
<i>Total</i>	1

Proposed Funding Sources:	
Rates	\$ 24,040
Other (describe)	-
<i>Total</i>	\$ 24,040

ASSET(S) TO BE REPLACED					
FPUA Asset Number	Description/Serial Number	Mileage / Age	Asset Condition	FY 2016 Maint. Cost	Recommended Disposition
55-15-549	2004 - F250 Pickup Truck	96,964	Poor	\$999.00	2018 Replacement
	Vehicle Matrix Score = 13				

FORT PIERCE UTILITIES AUTHORITY
FY 2018 Capital Budget Request - Fixed Asset
55 - Electric Operations

Request #: FA - 2
Fixed Asset #: 537018001
Priority #: 3

Fixed Asset Name: Meter Test Board

Fixed Asset Description: We replaced the first meter test board in 2016. This is the second meter test board and it will be replaced In 2018. This equipment is used to verify and calibrate the accuracy of electric revenue meters.

Justification for Purchase: This is the last of two meter test boards we own that are obsolete and reaching end of life. The original manufacturer no longer makes spare parts.

Alternatives: If the existing units become unserviceable, we would have to discontinue our test program.

	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
Total Proposed Costs:	\$ 38,000	\$ -	\$ -	\$ -	\$ -	\$ 38,000

Anticipated Purchase Date: 10/1/2017

Project Manager: 6518 - Thomas Parker

Purchase Required By: R&R

Class ID: 5370 - METERS

FY 2018 COST BREAKDOWN			
Cost Estimate:	Quantity	Per Unit	Total Cost
Purchase Price	1	\$ -	\$ 38,000
Delivery	-	-	-
Installation	-	-	-
Trade-In	-	-	-
Other	-	-	-
<i>Totals</i>			\$ 38,000

Areas:	
Scheduled Replacement	
Replace Obsolete Equipment	x
Replace Worn Out Equipment	x
Reduce Personnel Time	
Expand Service	
Other	
New Operation	
Improve Operations	x

Quantity	
Replacements	1
Additions	-
<i>Total</i>	1

Proposed Funding Sources:	
Rates	\$ 38,000
Other (describe)	-
<i>Total</i>	\$ 38,000

ASSET(S) TO BE REPLACED					
FPUA Asset Number	Description/Serial Number	Mileage / Age	Asset Condition	FY 2016 Maint. Cost	Recommended Disposition

FORT PIERCE UTILITIES AUTHORITY
FY 2018 Capital Budget Request - Project
55 - Electric Operations

Project Title: Electric Meter Replacements

Request #: 1

Project #: 514

Priority #: 2

Project Type: _____

Description of Project: Strategic deployment of AMR meters, for greater ability to remote read meters.

Location: Eventual system wide deployment of AMR meters over ten year period.

Justification: Through the strategic deployment of AMR meters, we will have a greater ability to remote read meters by using drive-by reading. This will eliminate the need to have meter readers walk to every meter to get a manual read, thereby reducing the read time spent on routes and reduce error reads.

Alternatives: Continue to read the electro-mechanical meters by using walk up personnel. The walk up process is much less efficient than using the drive-by method. This method also results in more meter read errors that result in personnel having to return to the site and get the correct meter read.

Describe any site preparation or removal of existing assets: Meter technician and MIR's will facilitate the removal of old electro-mechanical meter and replace with new AMR meter

Impact to operating income:

Anticipated start date: 10/1/2018

Anticipated completion date: 9/30/2028

Project Manager: 6518 - Thomas Parker

Purchase Required By: Efficiency/Safety

Contract Description	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
5370 - METERS (Distribution)	160,000	160,000	160,000	160,000	160,000	800,000
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
<i>Totals</i>	160,000	160,000	160,000	160,000	160,000	800,000

<i>Actual Amount Spent 10/1/16- 3/31/17</i>	53,369
<i>Inception through 9/30/16</i>	65,464
<i>Estimated Cost for FY 2017</i>	106,738
<i>Est. FY 2017 Budget Carryover</i>	-
<i>Estimated Total Through 9/30/17</i>	172,202

Proposed Funding Sources:	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
Rates	-	-	-	-	-	-
Contribution-in-Aid	-	-	-	-	-	-
Capital Improvement Charges	160,000	160,000	160,000	160,000	160,000	800,000
<i>Total</i>	160,000	160,000	160,000	160,000	160,000	800,000

FORT PIERCE UTILITIES AUTHORITY
Capital Budget Request - Summary Sheet
FY 2018

Department Name: 56 - Electric & Gas Engineering - Electric

Request Number	Project Title or Asset Name	Projected Costs						
		Est. Total Through 9/30/2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total 5 Years FY 2018-22
FA-1	1/2 Ton 4x4 Pickup Truck	-	27,500	-	-	-	-	27,500
FA-2	1/2 Ton 4x4 Pickup Truck	-	-	27,500	-	-	-	27,500
1	Auto Reclure Reliab Imprmnts	10,000	10,000	10,000	10,000	10,000	10,000	50,000
2	New Construction - Line Ext	10,000	10,000	10,300	10,610	10,930	11,260	53,100
3	Storm Surge & Hardening - NESC	60,000	80,000	82,400	84,873	87,419	90,041	424,733
4	69KV Breaker Replacement	30,000	30,000	100,000	100,000	100,000	100,000	430,000
5	Electric Sys VAR Control Expan	6,500	10,000	10,300	10,610	10,927	11,257	53,094
6	Governmental & Other Required	85,000	460,000	469,200	478,584	488,152	497,915	2,393,851
7	New Construction-Residential	50,000	77,500	79,050	80,630	82,242	83,885	403,307
8	Replacement of OH & UG Lines	50,000	34,000	35,020	36,071	37,153	38,269	180,513
9	New Construction-Commercial	180,000	275,000	283,250	291,748	300,500	309,515	1,460,013
10	New Construction-Rental Lights	50,000	50,000	51,500	53,044	54,637	56,277	265,458
11	Overhead/Underground Serv Conv	72,000	92,500	95,275	98,134	101,074	104,109	491,092
12	Electric Regulatory Compliance	29,751	20,000	20,000	20,000	20,000	20,000	100,000
13	Kings Hwy- Okee Rd to Angle Rd	9,000	21,250	10,000	-	-	-	31,250
14	Substation Regulators	35,000	280,000	280,000	280,000	280,000	280,000	1,400,000
15	17th St - Orange Ave to Ave D	5,000	10,000	10,000	-	-	-	20,000
16	US Hwy 1 - Midway to Edwards	114,233	73,000	-	-	-	-	73,000
17	Totten/Hartman Improvements	20,926	80,000	30,000	-	-	-	110,000
18	13th St - Virginia to Ave Q	500	10,000	7,000	7,000	-	-	24,000
19	Paradise Park Overhead Rebuild	50,000	63,000	-	-	-	-	63,000
20	North Bridge Reconstruction	-	10,000	7,000	7,000	-	-	24,000
21	Substation Transformer Replace	-	75,000	75,000	500,000	500,000	500,000	1,650,000
22	Harbor Branch Reliability Impr	-	50,000	50,000	-	-	-	100,000
Total		867,910	1,848,750	1,742,795	2,068,304	2,083,034	2,112,528	9,855,411

FORT PIERCE UTILITIES AUTHORITY
Capital Budget Request - Summary Sheet
FY 2018

Department Name: 56 - Electric & Gas Engineering - Electric

Request Number	Project Title or Asset Name	Priority Rating Area								Dept. Head Rating
		I	II	III	IV	V	VI	Total Points		
FA-1	1/2 Ton 4x4 Pickup Truck	8	6	6	6	2	6	34	23	
FA-2	1/2 Ton 4x4 Pickup Truck	8	6	6	6	2	6	34	24	
1	Auto Reclsure Reliab Imprvmnts	8	8	6	6	4	4	36	22	
2	New Construction - Line Ext	10	6	6	4	6	6	38	19	
3	Storm Surge & Hardening - NESC	10	8	6	6	6	6	42	4	
4	69KV Breaker Replacement	12	10	6	6	4	6	44	3	
5	Electric Sys VAR Control Expan	10	6	8	6	4	4	38	21	
6	Governmental & Other Required	10	6	6	6	4	6	38	20	
7	New Construction-Residential	8	6	6	4	6	6	36	6	
8	Replacement of OH & UG Lines	12	10	6	6	6	2	42	7	
9	New Construction-Commercial	8	6	6	4	6	6	36	5	
10	New Construction-Rental Lights	8	6	6	2	2	6	30	17	
11	Overhead/Underground Serv Conv	8	6	3	6	2	6	31	8	
12	Electric Regulatory Compliance	8	8	8	6	4	6	40	18	
13	Kings Hwy- Okee Rd to Angle Rd	8	6	6	6	2	4	32	10	
14	Substation Regulators	12	10	6	6	4	6	44	1	
15	17th St - Orange Ave to Ave D	8	6	3	6	4	4	31	14	
16	US Hwy 1 - Midway to Edwards	8	6	3	6	4	4	31	11	
17	Totten/Hartman Improvements	10	8	6	6	4	6	40	9	
18	13th St - Virginia to Ave Q	8	6	3	6	6	4	33	12	
19	Paradise Park Overhead Rebuild	8	8	6	6	2	4	34	13	
20	North Bridge Reconstruction	8	6	3	6	4	4	31	16	
21	Substation Transformer Replace	12	10	6	4	6	6	44	2	
22	Harbor Branch Reliability Impr	8	8	6	6	2	4	34	15	

Proposed Funding Sources:	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total 5 Years FY 2018-22
Rates	1,528,750	1,416,295	1,735,171	1,743,136	1,765,723	8,189,075
Contribution-in-Aid	320,000	326,500	333,133	339,898	346,805	1,666,336
Capital Improvement Charges	-	-	-	-	-	-
<i>Total</i>	1,848,750	1,742,795	2,068,304	2,083,034	2,112,528	9,855,411

FORT PIERCE UTILITIES AUTHORITY
FY 2018 Capital Budget Request - Fixed Asset
56 - Electric & Gas Engineering - Electric

Request #: FA - 1
Fixed Asset #: 539218006
Priority #: 23

Fixed Asset Name: 1/2 Ton 4x4 Pickup Truck

Fixed Asset Description: Half Ton 4x4 Pickup Truck V6, Extended Cab, Power Accessories & Tow Package, Backup Alarm, Bluetooth

Justification for Purchase: The existing vehicle is not 4x4 and cannot get in/out of terrains demanded by the job site conditions. In addition, staff have limited space in the single cab for the high end GPS equipment, plans, and other safety related items. The existing vehicle should be considered for auction.

Alternatives: Continue to operate with current vehicle.

	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
Total Proposed Costs:	\$ 27,500	\$ -	\$ -	\$ -	\$ -	\$ 27,500

Anticipated Purchase Date: 10/1/2017

Project Manager: 6395 - Sal Scimeca

Purchase Required By: Efficiency/Safety

Class ID: 5392 - VEHICLES

FY 2018 COST BREAKDOWN			
Cost Estimate:	Quantity	Per Unit	Total Cost
Purchase Price	1	\$ 26,000	\$ 26,000
Delivery	-	-	-
Installation	-	-	-
Trade-In	-	-	-
Other	1	1,500	1,500
<i>Totals</i>			\$ 27,500

Areas:	
Scheduled Replacement	
Replace Obsolete Equipment	
Replace Worn Out Equipment	x
Reduce Personnel Time	
Expand Service	
Other	
New Operation	
Improve Operations	

Quantity	
Replacements	1
Additions	-
<i>Total</i>	1

Proposed Funding Sources:	
Rates	\$ 27,500
Other (describe)	-
<i>Total</i>	\$ 27,500

ASSET(S) TO BE REPLACED					
FPUA Asset Number	Description/Serial Number	Mileage / Age	Asset Condition	FY 2016 Maint. Cost	Recommended Disposition
15-519	F150 Single Cab, Two Wheel Drive	71257	Poor	\$0.00	Auction

FORT PIERCE UTILITIES AUTHORITY
FY 2018 Capital Budget Request - Fixed Asset
56 - Electric & Gas Engineering - Electric

Fixed Asset Name: 1/2 Ton 4x4 Pickup Truck

Request #: FA - 2
Fixed Asset #: _____
Priority #: 24

Fixed Asset Description: Half Ton 4x4 Pickup Truck V6, Extended Cab, Power Accessories & Tow Package, Backup Alarm, Bluetooth

Justification for Purchase: The existing vehicle is not 4x4 and cannot get in/out of terrains demanded by the job site conditions. In addition, staff have limited space in the single cab for the high end GPS equipment, plans, and other safety related items. The existing vehicle should be considered for auction.

Alternatives: Continue to operate with current vehicle.

	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
Total Proposed Costs:		\$ 27,500	\$ -	\$ -	\$ -	\$ 27,500

Anticipated Purchase Date: 10/1/2017

Project Manager: 6626 - Michael Chidgey

Purchase Required By: Efficiency/Safety

Class ID: 5392 - VEHICLES

FY 2018 COST BREAKDOWN			
Cost Estimate:	Quantity	Per Unit	Total Cost
Purchase Price	-	\$ -	\$ -
Delivery	-	-	-
Installation	-	-	-
Trade-In	-	-	-
Other	-	-	-
<i>Totals</i>			\$ -

Areas:	
Scheduled Replacement	
Replace Obsolete Equipment	
Replace Worn Out Equipment	x
Reduce Personnel Time	
Expand Service	
Other	
New Operation	
Improve Operations	

Quantity	
Replacements	-
Additions	-
<i>Total</i>	-

Proposed Funding Sources:	
Rates	\$ -
Other (describe)	-
<i>Total</i>	\$ -

ASSET(S) TO BE REPLACED					
FPUA Asset Number	Description/Serial Number	Mileage / Age	Asset Condition	FY 2016 Maint. Cost	Recommended Disposition
15-528	F150 Single Cab, Two Wheel Drive	49315	Poor		Auction

FORT PIERCE UTILITIES AUTHORITY
FY 2018 Capital Budget Request - Project
56 - Electric & Gas Engineering - Electric

Project Title: Auto Reclure Reliab Imprvmnts

Request #: 1

Project #: 503

Priority #: 22

Project Type: BLKT

Description of Project: Fault interrupters techonology will be installed to improve fuse coordination and decrease the number of outages

Location: Service Territory

Justification: This project will reduce interruptions to customers and improve reliability through the application of reclosers and neutral reactors.

Alternatives: Do nothing and respond to outages as they occur

Describe any site preparation or removal of existing assets: Concrete pads will need to be poured at substations for reactor stands. Poles may need to be replaced prior to installing reclosers.

Impact to operating income: The impact is a combination of avoided restoration costs and revenue losses during outages. Total estimated at \$6,000 per year.

Anticipated start date: On-going

Anticipated completion date: On-going

Project Manager: 6284 - Larry Lammers

Purchase Required By: Reliability

Contract Description	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
5362 - STATION EQUIPMENT (Distribution)	5,000	5,000	5,000	5,000	5,000	25,000
5364 - POLES, TOWERS & FIXTURES (Distribution)	2,500	2,500	2,500	2,500	2,500	12,500
5365 - OVERHEAD LINES & DEVICES (Distribution)	2,500	2,500	2,500	2,500	2,500	12,500
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
<i>Totals</i>	10,000	10,000	10,000	10,000	10,000	50,000

<i>Actual Amount Spent 10/1/16- 3/31/17</i>	-
<i>Inception through 9/30/16</i>	-
<i>Estimated Cost for FY 2017</i>	10,000
<i>Est. FY 2017 Budget Carryover</i>	-
<i>Estimated Total Through 9/30/17</i>	10,000

Proposed Funding Sources:	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
Rates	10,000	10,000	10,000	10,000	10,000	50,000
Contribution-in-Aid	-	-	-	-	-	-
Capital Improvement Charges	-	-	-	-	-	-
<i>Total</i>	10,000	10,000	10,000	10,000	10,000	50,000

FORT PIERCE UTILITIES AUTHORITY
FY 2018 Capital Budget Request - Project
56 - Electric & Gas Engineering - Electric

Project Title: New Construction - Line Ext

Request #: 2
Project #: 506
Priority #: 19
Project Type: BLKT

Description of Project: Off-site extensions or upgrade of feeder ties

Location: Service Territory

Justification: To maintain high quality of service and system reliability

Alternatives: None, these line extensions are necessary to maintain reliable service

Describe any site preparation or removal of existing assets: N/A

Impact to operating income: None

Anticipated start date: On-going

Anticipated completion date: On-going

Project Manager: 6284 - Larry Lammers

Purchase Required By: PSC

Contract Description	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
5364 - POLES, TOWERS & FIXTURES (Distribution)	2,000	2,060	2,122	2,186	2,252	10,620
5365 - OVERHEAD LINES & DEVICES (Distribution)	2,000	2,060	2,122	2,186	2,252	10,620
5366 - UNDERGROUND CONDUIT (Distribution)	2,000	2,060	2,122	2,186	2,252	10,620
5367 - UNDERGROUND LINES & DEVICES (Dist)	2,000	2,060	2,122	2,186	2,252	10,620
5368 - TRANSFORMERS (Distribution)	2,000	2,060	2,122	2,186	2,252	10,620
						-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
<i>Totals</i>	10,000	10,300	10,610	10,930	11,260	53,100

<i>Actual Amount Spent 10/1/16- 3/31/17</i>	-
<i>Inception through 9/30/16</i>	-
<i>Estimated Cost for FY 2017</i>	10,000
<i>Est. FY 2017 Budget Carryover</i>	-
<i>Estimated Total Through 9/30/17</i>	10,000

Proposed Funding Sources:	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
Rates	10,000	10,300	10,610	10,930	11,260	53,100
Contribution-in-Aid	-	-	-	-	-	-
Capital Improvement Charges	-	-	-	-	-	-
<i>Total</i>	10,000	10,300	10,610	10,930	11,260	53,100

FORT PIERCE UTILITIES AUTHORITY
FY 2018 Capital Budget Request - Project
56 - Electric & Gas Engineering - Electric

Project Title: Storm Surge & Hardening - NESC

Request #: 3

Project #: 508

Priority #: 4

Project Type: BLKT

Description of Project: Hardening of Transmission and Distribution for critical facilities and essential customers. This includes replacement of primary lines that are susceptible to weather or vegetation

Location: Service Territory

Justification: To remain in compliance with National Electric Safety Code (NESC) Standards

Alternatives: None, The Public Service Commission requires FPUA to adhere to the NESC.

Describe any site preparation or removal of existing assets: N/A

Impact to operating income: None

Anticipated start date: On-going

Anticipated completion date: On-going

Project Manager: 6284 - Larry Lammers

Purchase Required By: NESC

Contract Description	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
5364 - POLES, TOWERS & FIXTURES (Distribution)	10,000	10,300	10,609	10,927	11,255	53,091
5365 - OVERHEAD LINES & DEVICES (Distribution)	10,000	10,300	10,609	10,927	11,255	53,091
5366 - UNDERGROUND CONDUIT (Distribution)	20,000	20,600	21,218	21,855	22,510	106,183
5367 - UNDERGROUND LINES & DEVICES (Dist)	20,000	20,600	21,218	21,855	22,510	106,183
5368 - TRANSFORMERS (Distribution)	15,000	15,450	15,914	16,391	16,883	79,638
5369 - SERVICE LINES (Distribution)	5,000	5,150	5,305	5,464	5,628	26,547
						-
						-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
<i>Totals</i>	80,000	82,400	84,873	87,419	90,041	424,733

<i>Actual Amount Spent 10/1/16- 3/31/17</i>	-
<i>Inception through 9/30/16</i>	-
<i>Estimated Cost for FY 2017</i>	60,000
<i>Est. FY 2017 Budget Carryover</i>	-
<i>Estimated Total Through 9/30/17</i>	60,000

Proposed Funding Sources:	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
Rates	80,000	82,400	84,873	87,419	90,041	424,733
Contribution-in-Aid	-	-	-	-	-	-
Capital Improvement Charges	-	-	-	-	-	-
<i>Total</i>	80,000	82,400	84,873	87,419	90,041	424,733

FORT PIERCE UTILITIES AUTHORITY
FY 2018 Capital Budget Request - Project
56 - Electric & Gas Engineering - Electric

Project Title: 69KV Breaker Replacement

Request #: 4

Project #: 509

Priority #: 3

Project Type: BLKT

Description of Project: Replacement of aging 69kV Oil Circuit Breaker (OCB) in all substations. The replacement of these breakers reduces impact to the environment. This is a multi-year project.

Location: Service Territory

Justification: The 12 existing oil circuit breakers are over 30 years old and have reached the end of useful life. The total project cost is estimated at \$1,200,000 for labor and materials

Alternatives: Continue to maintain the old units. This is not recommended because it will likely result in unscheduled extended outage affecting the 69kV transmission grid.

Describe any site preparation or removal of existing assets: The old OCB(s) will be removed from service

Impact to operating income: None

Anticipated start date: 10/1/2016

Anticipated completion date: 9/30/2030

Project Manager: 6284 - Larry Lammers

Purchase Required By: Reliability

Contract Description	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
5353 - SUBSTATION EQUIPMENT (Transmission)	30,000	100,000	100,000	100,000	100,000	430,000
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
<i>Totals</i>	30,000	100,000	100,000	100,000	100,000	430,000

<i>Actual Amount Spent 10/1/16- 3/31/17</i>	-
<i>Inception through 9/30/16</i>	-
<i>Estimated Cost for FY 2017</i>	30,000
<i>Est. FY 2017 Budget Carryover</i>	-
<i>Estimated Total Through 9/30/17</i>	30,000

Proposed Funding Sources:	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
Rates	30,000	100,000	100,000	100,000	100,000	430,000
Contribution-in-Aid	-	-	-	-	-	-
Capital Improvement Charges	-	-	-	-	-	-
<i>Total</i>	30,000	100,000	100,000	100,000	100,000	430,000

FORT PIERCE UTILITIES AUTHORITY
FY 2018 Capital Budget Request - Project
56 - Electric & Gas Engineering - Electric

Project Title: Electric Sys VAR Control Expan

Request #: 5
Project #: 510
Priority #: 21
Project Type: BLKT

Description of Project: Install Capacitor Banks on distribution system for VAR Control

Location: Service Territory

These capacitors are essential to maintain the system power factor within the industry standards and
Justification: as defined in the Interlocal Agreement with FPL and FMPA to meet the wholesale power factor requirements.

Alternatives: Do not Install the capacitor banks and risk penalties for failing to meet the agreed upon limits.

Describe any site preparation or removal of existing assets: N/A

Impact to operating income: None

Anticipated start date: On-going

Anticipated completion date: On-going

Project Manager: 6284 - Larry Lammers

Purchase Required By: FPL

Contract Description	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
5355 - POLES & FIXTURES (Transmission)	2,000	2,060	2,122	2,185	2,251	10,618
5356 - OVERHEAD LINES & DEVICES (Trans)	2,000	2,060	2,122	2,185	2,251	10,618
5361 - STRUCTURES & IMPROVEMENTS (Dist)	2,000	2,060	2,122	2,185	2,251	10,618
5362 - STATION EQUIPMENT (Distribution)	1,000	1,030	1,061	1,093	1,126	5,310
5365 - OVERHEAD LINES & DEVICES (Distribution)	1,000	1,030	1,061	1,093	1,126	5,310
5366 - UNDERGROUND CONDUIT (Distribution)	1,000	1,030	1,061	1,093	1,126	5,310
5367 - UNDERGROUND LINES & DEVICES (Dist)	1,000	1,030	1,061	1,093	1,126	5,310
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
<i>Totals</i>	10,000	10,300	10,610	10,927	11,257	53,094

<i>Actual Amount Spent 10/1/16- 3/31/17</i>	-
<i>Inception through 9/30/16</i>	-
<i>Estimated Cost for FY 2017</i>	6,500
<i>Est. FY 2017 Budget Carryover</i>	-
<i>Estimated Total Through 9/30/17</i>	6,500

Proposed Funding Sources:	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
Rates	10,000	10,300	10,610	10,927	11,257	53,094
Contribution-in-Aid	-	-	-	-	-	-
Capital Improvement Charges	-	-	-	-	-	-
<i>Total</i>	10,000	10,300	10,610	10,927	11,257	53,094

FORT PIERCE UTILITIES AUTHORITY
FY 2018 Capital Budget Request - Project
56 - Electric & Gas Engineering - Electric

Project Title: Governmental & Other Required

Request #: 6

Project #: 512

Priority #: 20

Project Type: BLKT

Description of Project: Renewal, replacement, relocation, new capacity improvement associated with roadway projects. Includes FDOT, City and County Roadways

Location: Service Territory

Justification: Relocation or adjustments are required to facilitate the construction per the roadway design.

Alternatives: None, these relocations are forced on FPUA by civic authorities that have jurisdiction over the right of way.

Describe any site preparation or removal of existing assets: N/A

Impact to operating income: None

Anticipated start date: On-going

Anticipated completion date: On-going

Project Manager: 6127 - Javier Cisneros

Purchase Required By: City of Fort Pierce

Contract Description	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
5360 - LAND & EASEMENTS (Distribution)	6,000	10,200	10,404	10,612	10,824	48,040
5364 - POLES, TOWERS & FIXTURES (Distribution)	42,300	76,500	78,030	79,590	81,182	357,602
5365 - OVERHEAD LINES & DEVICES (Distribution)	42,300	76,500	78,030	79,590	81,182	357,602
5366 - UNDERGROUND CONDUIT (Distribution)	42,300	76,500	78,030	79,590	81,182	357,602
5367 - UNDERGROUND LINES & DEVICES (Dist)	42,300	76,500	78,030	79,590	81,182	357,602
5368 - TRANSFORMERS (Distribution)	42,300	76,500	78,030	79,590	81,182	357,602
5369 - SERVICE LINES (Distribution)	28,000	51,000	52,020	53,060	54,121	238,201
5372 - RENTAL LIGHTS (Distribution)	8,500	15,300	15,606	15,918	16,236	71,560
5373 - FPUA STREET LIGHTS (COUNTY & SLV) (Dist)	3,000	5,100	5,202	5,306	5,412	24,020
5375 - FIBER OPTIC CABLE (Distribution)	3,000	5,100	5,202	5,306	5,412	24,020
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
<i>Totals</i>	260,000	469,200	478,584	488,152	497,915	2,193,851

<i>Actual Amount Spent 10/1/16- 3/31/17</i>	9,670
<i>Inception through 9/30/16</i>	-
<i>Estimated Cost for FY 2017</i>	85,000
<i>Est. FY 2017 Budget Carryover</i>	-
<i>Estimated Total Through 9/30/17</i>	85,000

Proposed Funding Sources:	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
Rates	150,000	153,000	156,060	159,181	162,365	780,606
Contribution-in-Aid	110,000	316,200	322,524	328,971	335,550	1,413,245
Capital Improvement Charges	-	-	-	-	-	-
<i>Total</i>	260,000	469,200	478,584	488,152	497,915	2,193,851

FORT PIERCE UTILITIES AUTHORITY
FY 2018 Capital Budget Request - Project
56 - Electric & Gas Engineering - Electric

Project Title: New Construction-Residential

Request #: 7

Project #: 516

Priority #: 6

Project Type: BLKT

Description of Project: Overhead and underground work required for all new residential revenue projects.

Location: Service Territory

Justification: To cover cost of all new residential-related activities.

Alternatives: None, the PSC requires FPUA to provide electric service to customers in the service territory.

Describe any site preparation or removal of existing assets: N/A

Impact to operating income: A minimum of twenty five percent of the revenue funded cost will be added to net revenue in retail sales.

Anticipated start date: On-going

Anticipated completion date: On-going

Project Manager: 6284 - Larry Lammers

Purchase Required By: PSC

Contract Description	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
5364 - POLES, TOWERS & FIXTURES (Distribution)	10,000	10,200	10,404	10,612	10,824	52,040
5365 - OVERHEAD LINES & DEVICES (Distribution)	10,000	10,200	10,404	10,612	10,824	52,040
5366 - UNDERGROUND CONDUIT (Distribution)	18,000	18,360	18,727	19,101	19,483	93,671
5367 - UNDERGROUND LINES & DEVICES (Dist)	15,000	15,300	15,606	15,918	16,236	78,060
5368 - TRANSFORMERS (Distribution)	15,000	15,300	15,606	15,918	16,236	78,060
5369 - SERVICE LINES (Distribution)	5,000	5,100	5,202	5,306	5,412	26,020
5370 - METERS (Distribution)	2,500	2,550	2,601	2,653	2,706	13,010
5372 - RENTAL LIGHTS (Distribution)	1,000	1,020	1,040	1,061	1,082	5,203
5373 - FPUA STREET LIGHTS (COUNTY & SLV) (Dist)	1,000	1,020	1,040	1,061	1,082	5,203
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
<i>Totals</i>	77,500	79,050	80,630	82,242	83,885	403,307

<i>Actual Amount Spent 10/1/16- 3/31/17</i>	15,885
<i>Inception through 9/30/16</i>	-
<i>Estimated Cost for FY 2017</i>	50,000
<i>Est. FY 2017 Budget Carryover</i>	-
<i>Estimated Total Through 9/30/17</i>	50,000

Proposed Funding Sources:	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
Rates	77,500	79,050	80,630	82,242	83,885	403,307
Contribution-in-Aid	-	-	-	-	-	-
Capital Improvement Charges	-	-	-	-	-	-
<i>Total</i>	77,500	79,050	80,630	82,242	83,885	403,307

FORT PIERCE UTILITIES AUTHORITY
FY 2018 Capital Budget Request - Project
56 - Electric & Gas Engineering - Electric

Project Title: Replacement of OH & UG Lines

Request #: 8

Project #: 517

Priority #: 7

Project Type: BLKT

Description of Project: Replacement of overhead and underground lines that have met the end of their useful life.

Location: Service Territory

Justification: These lines have reached the end of their useful life. Most of these lines consist of old copper wire and repairs are difficult due to the brittleness of the wire. This includes rebuilding inaccessible pole lines in several older neighborhoods.

Alternatives: Continue to maintain the system reactively. This is not recommended because it results in a higher occurrence of unscheduled outages.

Describe any site preparation or removal of existing assets: N/A

Impact to operating income: None

Anticipated start date: On-going

Anticipated completion date: On-going

Project Manager: 6284 - Larry Lammers

Purchase Required By: Reliability

Contract Description	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
5364 - POLES, TOWERS & FIXTURES (Distribution)	7,000	7,210	7,426	7,649	7,879	37,164
5365 - OVERHEAD LINES & DEVICES (Distribution)	7,000	7,210	7,426	7,649	7,879	37,164
5366 - UNDERGROUND CONDUIT (Distribution)	5,000	5,150	5,305	5,464	5,628	26,547
5367 - UNDERGROUND LINES & DEVICES (Dist)	5,000	5,150	5,305	5,464	5,628	26,547
5368 - TRANSFORMERS (Distribution)	6,000	6,180	6,365	6,556	6,753	31,854
5369 - SERVICE LINES (Distribution)	4,000	4,120	4,244	4,371	4,502	21,237
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
<i>Totals</i>	34,000	35,020	36,071	37,153	38,269	180,513

<i>Actual Amount Spent 10/1/16- 3/31/17</i>	18,632
<i>Inception through 9/30/16</i>	-
<i>Estimated Cost for FY 2017</i>	50,000
<i>Est. FY 2017 Budget Carryover</i>	-
<i>Estimated Total Through 9/30/17</i>	50,000

Proposed Funding Sources:	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
Rates	34,000	35,020	36,071	37,153	38,269	180,513
Contribution-in-Aid	-	-	-	-	-	-
Capital Improvement Charges	-	-	-	-	-	-
<i>Total</i>	34,000	35,020	36,071	37,153	38,269	180,513

FORT PIERCE UTILITIES AUTHORITY
FY 2018 Capital Budget Request - Project
56 - Electric & Gas Engineering - Electric

Project Title: New Construction-Commercial

Request #: 9

Project #: 518

Priority #: 5

Project Type: BLKT

Description of Project: Overhead and underground work required for all new commercial revenue projects.

Location: Service Territory

Justification: To cover cost of all new commercial-related activities.

Alternatives: None, the PSC requires FPUA to provide electric service to customers in the service territory.

Describe any site preparation or removal of existing assets: N/A

Impact to operating income: A minimum of twenty five percent of the revenue funded cost will be added to net revenue in retail sales.

Anticipated start date: On-going

Anticipated completion date: On-going

Project Manager: 6284 - Larry Lammers

Purchase Required By: PSC

Contract Description	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
5360 - LAND & EASEMENTS (Distribution)	34,500	20,600	21,218	21,855	22,510	120,683
5364 - POLES, TOWERS & FIXTURES (Distribution)	38,000	22,660	23,340	24,040	24,761	132,801
5365 - OVERHEAD LINES & DEVICES (Distribution)	121,000	72,100	74,263	76,491	78,786	422,640
5366 - UNDERGROUND CONDUIT (Distribution)	57,000	33,990	35,010	36,060	37,142	199,202
5367 - UNDERGROUND LINES & DEVICES (Dist)	65,600	39,140	40,314	41,524	42,769	229,347
5368 - TRANSFORMERS (Distribution)	86,300	51,500	53,045	54,636	56,275	301,756
5369 - SERVICE LINES (Distribution)	43,200	25,750	26,523	27,318	28,138	150,929
5370 - METERS (Distribution)	29,400	17,510	18,035	18,576	19,134	102,655
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
<i>Totals</i>	475,000	283,250	291,748	300,500	309,515	1,660,013

<i>Actual Amount Spent 10/1/16- 3/31/17</i>	87,668
<i>Inception through 9/30/16</i>	-
<i>Estimated Cost for FY 2017</i>	180,000
<i>Est. FY 2017 Budget Carryover</i>	-
<i>Estimated Total Through 9/30/17</i>	180,000

Proposed Funding Sources:	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
Rates	275,000	283,250	291,748	300,500	309,515	1,460,013
Contribution-in-Aid	200,000	-	-	-	-	200,000
Capital Improvement Charges	-	-	-	-	-	-
<i>Total</i>	475,000	283,250	291,748	300,500	309,515	1,660,013

FORT PIERCE UTILITIES AUTHORITY
FY 2018 Capital Budget Request - Project
56 - Electric & Gas Engineering - Electric

Project Title: New Construction-Rental Lights

Request #: 10

Project #: 519

Priority #: 17

Project Type: BLKT

Description of Project: Overhead and underground work required to all rental lights revenue projects.

Location: Service Territory

Justification: To cover the cost of all rental light revenue-related activities.

Alternatives: Do not fund and discontinue rental lights to FPUA customers. This is NOT recommended because this is a profitable source of income for FPUA.

Describe any site preparation or removal of existing assets: N/A

Impact to operating income: None

Anticipated start date: On-going

Anticipated completion date: On-going

Project Manager: 6395 - Sal Scimeca

Purchase Required By: Growth

Contract Description	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
5364 - POLES, TOWERS & FIXTURES (Distribution)	7,000	7,210	7,426	7,649	7,879	37,164
5365 - OVERHEAD LINES & DEVICES (Distribution)	7,000	7,210	7,426	7,649	7,879	37,164
5366 - UNDERGROUND CONDUIT (Distribution)	8,000	8,240	8,487	8,742	9,004	42,473
5367 - UNDERGROUND LINES & DEVICES (Dist)	8,000	8,240	8,487	8,742	9,004	42,473
5368 - TRANSFORMERS (Distribution)	8,000	8,240	8,487	8,742	9,004	42,473
5369 - SERVICE LINES (Distribution)	7,000	7,210	7,426	7,649	7,879	37,164
5372 - RENTAL LIGHTS (Distribution)	5,000	5,150	5,305	5,464	5,628	26,547
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
<i>Totals</i>	50,000	51,500	53,044	54,637	56,277	265,458

<i>Actual Amount Spent 10/1/16- 3/31/17</i>	24,060
<i>Inception through 9/30/16</i>	-
<i>Estimated Cost for FY 2017</i>	50,000
<i>Est. FY 2017 Budget Carryover</i>	-
<i>Estimated Total Through 9/30/17</i>	50,000

Proposed Funding Sources:	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
Rates	50,000	51,500	53,044	54,637	56,277	265,458
Contribution-in-Aid	-	-	-	-	-	-
Capital Improvement Charges	-	-	-	-	-	-
<i>Total</i>	50,000	51,500	53,044	54,637	56,277	265,458

FORT PIERCE UTILITIES AUTHORITY
FY 2018 Capital Budget Request - Project
56 - Electric & Gas Engineering - Electric

Project Title: Overhead/Underground Serv Conv

Request #: 11

Project #: 520

Priority #: 8

Project Type: BLKT

Description of Project: Conversion of existing residential overhead services to underground at the customer's request. FPUA contributes 25% of cost per resolution

Location: Service Territory

Justification: Improves reliability of existing customers.

Alternatives: Do not fund and accept higher probability of service outages during and after storms.

Describe any site preparation or removal of existing assets: Removal of overhead service lines.

Impact to operating income: None

Anticipated start date: On-going

Anticipated completion date: On-going

Project Manager: 6395 - Sal Scimeca

Purchase Required By: Reliability

Contract Description	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
5360 - LAND & EASEMENTS (Distribution)	10,000	10,300	10,609	10,927	11,255	53,091
5364 - POLES, TOWERS & FIXTURES (Distribution)	10,000	10,300	10,609	10,927	11,255	53,091
5365 - OVERHEAD LINES & DEVICES (Distribution)	10,000	10,300	10,609	10,927	11,255	53,091
5366 - UNDERGROUND CONDUIT (Distribution)	20,000	20,600	21,218	21,854	22,510	106,182
5367 - UNDERGROUND LINES & DEVICES (Dist)	11,000	11,330	11,670	12,020	12,381	58,401
5368 - TRANSFORMERS (Distribution)	7,500	7,725	7,957	8,195	8,441	39,818
5369 - SERVICE LINES (Distribution)	7,500	7,725	7,957	8,195	8,441	39,818
5370 - METERS (Distribution)	7,500	7,725	7,957	8,195	8,441	39,818
5372 - RENTAL LIGHTS (Distribution)	4,500	4,635	4,774	4,917	5,065	23,891
5373 - FPUA STREET LIGHTS (COUNTY & SLV) (Dist)	4,500	4,635	4,774	4,917	5,065	23,891
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
<i>Totals</i>	92,500	95,275	98,134	101,074	104,109	491,092

<i>Actual Amount Spent 10/1/16- 3/31/17</i>	29,779
<i>Inception through 9/30/16</i>	-
<i>Estimated Cost for FY 2017</i>	72,000
<i>Est. FY 2017 Budget Carryover</i>	-
<i>Estimated Total Through 9/30/17</i>	72,000

Proposed Funding Sources:	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
Rates	82,500	84,975	87,525	90,147	92,854	438,001
Contribution-in-Aid	10,000	10,300	10,609	10,927	11,255	53,091
Capital Improvement Charges	-	-	-	-	-	-
<i>Total</i>	92,500	95,275	98,134	101,074	104,109	491,092

FORT PIERCE UTILITIES AUTHORITY
FY 2018 Capital Budget Request - Project
56 - Electric & Gas Engineering - Electric

Project Title: Electric Regulatory Compliance

Request #: 12

Project #: 521

Priority #: 18

Project Type: BLKT

Description of Project: Documenting and upgrading the electrical protection system to meet North American Electric Reliability Corporation (NERC) standards and other regulatory agencies requirements

Location: All Substations

Justification: Comply with regulatory standards

Alternatives: Do not fund. This is not advised because it is required to meet the regulatory compliance requirements.

Describe any site preparation or removal of existing assets: Documentation and installation of electrical protection control devices that comply with standards.

Impact to operating income: None

Anticipated start date: On-going

Anticipated completion date: On-going

Project Manager: 6127 - Javier Cisneros

Purchase Required By: NERC

Contract Description	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
5353 - SUBSTATION EQUIPMENT (Transmission)	20,000	20,000	20,000	20,000	20,000	100,000
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
<i>Totals</i>	20,000	20,000	20,000	20,000	20,000	100,000

<i>Actual Amount Spent 10/1/16- 3/31/17</i>	11,034
<i>Inception through 9/30/16</i>	9,751
<i>Estimated Cost for FY 2017</i>	20,000
<i>Est. FY 2017 Budget Carryover</i>	-
<i>Estimated Total Through 9/30/17</i>	29,751

Proposed Funding Sources:	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
Rates	20,000	20,000	20,000	20,000	20,000	100,000
Contribution-in-Aid	-	-	-	-	-	-
Capital Improvement Charges	-	-	-	-	-	-
<i>Total</i>	20,000	20,000	20,000	20,000	20,000	100,000

FORT PIERCE UTILITIES AUTHORITY
FY 2018 Capital Budget Request - Project
56 - Electric & Gas Engineering - Electric

Project Title: Kings Hwy- Okee Rd to Angle Rd

Request #: 13

Project #: 526

Priority #: 10

Project Type: STD

Description of Project: Reconstruction of Kings Hwy - Relocate poles and overhead lines to back of ROW

Location: Kings Hwy from Okeechobee Rd to Angle Rd

Justification: FDOT Roadway Improvement Project

Alternatives: None, these relocations are forced on FPUA by FDOT, which has jurisdiction over the right of way.

Describe any site preparation or removal of existing assets: Remove existing poles, lines, and other equipment.

Impact to operating income: None

Anticipated start date: 10/1/2016

Anticipated completion date: 9/30/2019

Project Manager: 6238 - Jason Mittler

Purchase Required By: FDOT

Contract Description	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
5360 - LAND & EASEMENTS (Distribution)	250	250		-	-	500
5364 - POLES, TOWERS & FIXTURES (Distribution)	8,000	4,000		-	-	12,000
5365 - OVERHEAD LINES & DEVICES (Distribution)	7,000	2,750		-	-	9,750
5366 - UNDERGROUND CONDUIT (Distribution)	1,000	500		-	-	1,500
5367 - UNDERGROUND LINES & DEVICES (Dist)	1,000	500		-	-	1,500
5368 - TRANSFORMERS (Distribution)	1,000	500		-	-	1,500
5370 - METERS (Distribution)	1,000	500		-	-	1,500
5372 - RENTAL LIGHTS (Distribution)	1,000	500		-	-	1,500
5373 - FPUA STREET LIGHTS (COUNTY & SLV) (Dist)	1,000	500		-	-	1,500
				-	-	-
				-	-	-
				-	-	-
	-	-	-	-	-	-
<i>Totals</i>	21,250	10,000	-	-	-	31,250

<i>Actual Amount Spent 10/1/16- 3/31/17</i>	913
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<i>Inception through 9/30/16</i>	-
<i>Estimated Cost for FY 2017</i>	9,000
<i>Est. FY 2017 Budget Carryover</i>	-
<i>Estimated Total Through 9/30/17</i>	9,000

Proposed Funding Sources:	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
Rates	21,250	10,000		-	-	31,250
Contribution-in-Aid	-	-	-	-	-	-
Capital Improvement Charges	-	-	-	-	-	-
<i>Total</i>	21,250	10,000	-	-	-	31,250

FORT PIERCE UTILITIES AUTHORITY
FY 2018 Capital Budget Request - Project
56 - Electric & Gas Engineering - Electric

Project Title: Substation Regulators

Request #: 14

Project #: 534

Priority #: 1

Project Type: STD

Description of Project: Replacement of 54 voltage regulator in all electrical substation.
This is a multi-year project.

Location: Service Territory

Justification: The 54 existing voltage regulators are over 30 years old and have reached the end of useful life. The total project cost is estimated at \$1,500,000 for labor and materials

Alternatives: Continue to operate these units. This is not recommend because it will likely result in unscheduled extended outages affecting a large number of customers.

Describe any site preparation or removal of existing assets: The old regulators will be removed from service.

Impact to operating income: None

Anticipated start date: 10/1/2016

Anticipated completion date: 9/30/2023

Project Manager: 6284 - Larry Lammers

Purchase Required By: Reliability

Contract Description	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
5362 - STATION EQUIPMENT (Distribution)	280,000	280,000	280,000	280,000	280,000	1,400,000
	-					-
	-	-		-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
<i>Totals</i>	280,000	280,000	280,000	280,000	280,000	1,400,000

<i>Actual Amount Spent 10/1/16- 3/31/17</i>	-
<i>Inception through 9/30/16</i>	-
<i>Estimated Cost for FY 2017</i>	35,000
<i>Est. FY 2017 Budget Carryover</i>	-
<i>Estimated Total Through 9/30/17</i>	35,000

Proposed Funding Sources:	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
Rates	280,000	280,000	280,000	280,000	280,000	1,400,000
Contribution-in-Aid	-	-	-	-	-	-
Capital Improvement Charges	-	-	-	-	-	-
<i>Total</i>	280,000	280,000	280,000	280,000	280,000	1,400,000

FORT PIERCE UTILITIES AUTHORITY
FY 2018 Capital Budget Request - Project
56 - Electric & Gas Engineering - Electric

Project Title: 17th St - Orange Ave to Ave D

Request #: 15

Project #: 535

Priority #: 14

Project Type: STD

Description of Project: Relocation of existing power poles to accommodate roadway and drainage improvements.

Location: 17th Street - Orange Ave to Ave D

Justification: City Roadway Improvement project

Alternatives: Adjust existing pole line to facilitate construction.

Describe any site preparation or removal of existing assets: Remove existing poles and lines.

Impact to operating income: None

Anticipated start date: 10/1/2016

Anticipated completion date: 9/30/2019

Project Manager: 5982 - Paul Laguerre

Purchase Required By: City of Fort Pierce

Contract Description	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
5360 - LAND & EASEMENTS (Distribution)	250	250	-	-	-	500
5364 - POLES, TOWERS & FIXTURES (Distribution)	2,000	2,000	-	-	-	4,000
5365 - OVERHEAD LINES & DEVICES (Distribution)	2,000	2,000	-	-	-	4,000
5366 - UNDERGROUND CONDUIT (Distribution)	1,000	1,000	-	-	-	2,000
5367 - UNDERGROUND LINES & DEVICES (Dist)	1,000	1,000	-	-	-	2,000
5368 - TRANSFORMERS (Distribution)	1,000	1,000	-	-	-	2,000
5369 - SERVICE LINES (Distribution)	1,750	1,750	-	-	-	3,500
5372 - RENTAL LIGHTS (Distribution)	500	500	-	-	-	1,000
5373 - FPUA STREET LIGHTS (COUNTY & SLV) (Dist)	500	500	-	-	-	1,000
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
<i>Totals</i>	10,000	10,000	-	-	-	20,000

<i>Actual Amount Spent 10/1/16- 3/31/17</i>	-
<i>Inception through 9/30/16</i>	-
<i>Estimated Cost for FY 2017</i>	5,000
<i>Est. FY 2017 Budget Carryover</i>	-
<i>Estimated Total Through 9/30/17</i>	5,000

Proposed Funding Sources:	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
Rates	10,000	10,000	-	-	-	20,000
Contribution-in-Aid	-	-	-	-	-	-
Capital Improvement Charges	-	-	-	-	-	-
<i>Total</i>	10,000	10,000	-	-	-	20,000

FORT PIERCE UTILITIES AUTHORITY
FY 2018 Capital Budget Request - Project
56 - Electric & Gas Engineering - Electric

Project Title: US Hwy 1 - Midway to Edwards

Request #: 16

Project #: 558

Priority #: 11

Project Type: STD

Description of Project: Rebuild overhead distribution line on US Hwy 1 to accommodate roadway construction

Location: US Hwy 1 - Midway Rd to Edwards Rd

Justification: FDOT Roadway Improvement Project

Alternatives: None, these relocations are forced on FPUA by FDOT, which has jurisdiction over the right of way.

Describe any site preparation or removal of existing assets: Remove existing poles, lines, and other equipment.

Impact to operating income: None

Anticipated start date: 10/1/2016

Anticipated completion date: 9/30/2018

Project Manager: 6238 - Jason Mittler

Purchase Required By: FDOT

Contract Description	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
5360 - LAND & EASEMENTS (Distribution)	500	-	-	-	-	500
5364 - POLES, TOWERS & FIXTURES (Distribution)	25,500	-	-	-	-	25,500
5365 - OVERHEAD LINES & DEVICES (Distribution)	25,500	-	-	-	-	25,500
5366 - UNDERGROUND CONDUIT (Distribution)	4,000	-	-	-	-	4,000
5367 - UNDERGROUND LINES & DEVICES (Dist)	4,000	-	-	-	-	4,000
5368 - TRANSFORMERS (Distribution)	4,000	-	-	-	-	4,000
5370 - METERS (Distribution)	2,500	-	-	-	-	2,500
5372 - RENTAL LIGHTS (Distribution)	2,000	-	-	-	-	2,000
5373 - FPUA STREET LIGHTS (COUNTY & SLV) (Dist)	5,000	-	-	-	-	5,000
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
<i>Totals</i>	73,000	-	-	-	-	73,000

Actual Amount Spent 10/1/16- 3/31/17 -

<i>Inception through 9/30/16</i>	4,233
<i>Estimated Cost for FY 2017</i>	110,000
<i>Est. FY 2017 Budget Carryover</i>	50,000
<i>Estimated Total Through 9/30/17</i>	164,233

Proposed Funding Sources:	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
Rates	73,000	-	-	-	-	73,000
Contribution-in-Aid	-	-	-	-	-	-
Capital Improvement Charges	-	-	-	-	-	-
<i>Total</i>	73,000	-	-	-	-	73,000

FORT PIERCE UTILITIES AUTHORITY
FY 2018 Capital Budget Request - Project
56 - Electric & Gas Engineering - Electric

Project Title: Totten/Hartman Improvements

Request #: 17

Project #: 559

Priority #: 9

Project Type: STD

Description of Project: Engineering design for ring bus at Hartman/Totten Substation.
Includes design for transformer specifications, associated electronic control settings, cost for materials and construction.

Location: Totten and Hartman Substation

Justification: Totten Substation is connected directly to Hartman Sub and the transmission lines to the Lawnwood and Savannah. The inability to isolate Totten Substation will result in outage for Totten and potential extended outage at Hartman.

Alternatives: Do not fund and continue to operate without ring bus.

Describe any site preparation or removal of existing assets: None

Impact to operating income: None

Anticipated start date: 10/1/2016

Anticipated completion date: 9/30/2019

Project Manager: 6127 - Javier Cisneros

Purchase Required By: Reliability

Contract Description	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
5352 - STRUCTURES & IMPROVEMENTS (Trans)	10,000	5,000	-	-	-	15,000
5353 - SUBSTATION EQUIPMENT (Transmission)	30,000	5,000	-	-	-	35,000
5355 - POLES & FIXTURES (Transmission)	10,000	5,000	-	-	-	15,000
5356 - OVERHEAD LINES & DEVICES (Trans)	10,000	5,000	-	-	-	15,000
5357 - UNDERGROUND CONDUIT (Transmission)	10,000	5,000	-	-	-	15,000
5358 - UNDERGROUND LINES & DEVICES (Trans)	10,000	5,000	-	-	-	15,000
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
<i>Totals</i>	80,000	30,000	-	-	-	110,000

<i>Actual Amount Spent 10/1/16- 3/31/17</i>	-
<i>Inception through 9/30/16</i>	926
<i>Estimated Cost for FY 2017</i>	20,000
<i>Est. FY 2017 Budget Carryover</i>	-
<i>Estimated Total Through 9/30/17</i>	20,926

Proposed Funding Sources:	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
Rates	80,000	30,000	-	-	-	110,000
Contribution-in-Aid	-	-	-	-	-	-
Capital Improvement Charges	-	-	-	-	-	-
<i>Total</i>	80,000	30,000	-	-	-	110,000

FORT PIERCE UTILITIES AUTHORITY
FY 2018 Capital Budget Request - Project
56 - Electric & Gas Engineering - Electric

Project Title: 13th St - Virginia to Ave Q

Request #: 18

Project #: 580

Priority #: 12

Project Type: STD

Description of Project: Reconstruction of 13th Street - Major conversion from overhead to underground services. This is the first year of a multi-year project.

Location: 13th Street from Virginia Ave to Ave Q

Justification: City of Fort Pierce Roadway Improvement Project.

Alternatives: Adjust existing line to facilitate construction.

Describe any site preparation or removal of existing assets: Remove existing poles and lines.

Impact to operating income: None

Anticipated start date: 10/1/2016

Anticipated completion date: 9/30/2020

Project Manager: 5982 - Paul Laguerre

Purchase Required By: City of Fort Pierce

Contract Description	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
5360 - LAND & EASEMENTS (Distribution)	500	500	500	-	-	1,500
5364 - POLES, TOWERS & FIXTURES (Distribution)	2,000	1,000	1,000	-	-	4,000
5365 - OVERHEAD LINES & DEVICES (Distribution)	2,000	1,000	1,000	-	-	4,000
5366 - UNDERGROUND CONDUIT (Distribution)	2,000	1,000	1,000	-	-	4,000
5367 - UNDERGROUND LINES & DEVICES (Dist)	1,000	1,000	1,000	-	-	3,000
5368 - TRANSFORMERS (Distribution)	1,000	1,000	1,000	-	-	3,000
5369 - SERVICE LINES (Distribution)	500	500	500	-	-	1,500
5370 - METERS (Distribution)	500	500	500	-	-	1,500
5372 - RENTAL LIGHTS (Distribution)	500	500	500	-	-	1,500
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
<i>Totals</i>	10,000	7,000	7,000	-	-	24,000

<i>Actual Amount Spent 10/1/16- 3/31/17</i>	-
<i>Inception through 9/30/16</i>	-
<i>Estimated Cost for FY 2017</i>	500
<i>Est. FY 2017 Budget Carryover</i>	-
<i>Estimated Total Through 9/30/17</i>	500

Proposed Funding Sources:	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
Rates	10,000	7,000	7,000	-	-	24,000
Contribution-in-Aid	-	-	-	-	-	-
Capital Improvement Charges	-	-	-	-	-	-
<i>Total</i>	10,000	7,000	7,000	-	-	24,000

FORT PIERCE UTILITIES AUTHORITY
FY 2018 Capital Budget Request - Project
56 - Electric & Gas Engineering - Electric

Project Title: Paradise Park Overhead Rebuild

Request #: 19

Project #: 591

Priority #: 13

Project Type: STD

Description of Project: Rebuild overhead distribution line south of Juanita Ave as part of drainage improvements.

Location: South of Juanita Ave between 25th St and US 1 Hwy.

Justification: St. Lucie County Drainage Improvement project.

Alternatives: Adjust existing line to facilitate construction.

Describe any site preparation or removal of existing assets: Remove existing poles and lines.

Impact to operating income: None

Anticipated start date: 10/1/2014

Anticipated completion date: 9/30/2018

Project Manager: 5982 - Paul Laguerre

Purchase Required By: St. Lucie County

Contract Description	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
5360 - LAND & EASEMENTS (Distribution)	1,000	-	-	-	-	1,000
5364 - POLES, TOWERS & FIXTURES (Distribution)	15,000	-	-	-	-	15,000
5365 - OVERHEAD LINES & DEVICES (Distribution)	15,000	-	-	-	-	15,000
5366 - UNDERGROUND CONDUIT (Distribution)	5,000	-	-	-	-	5,000
5367 - UNDERGROUND LINES & DEVICES (Dist)	5,000	-	-	-	-	5,000
5368 - TRANSFORMERS (Distribution)	15,000	-	-	-	-	15,000
5369 - SERVICE LINES (Distribution)	5,000	-	-	-	-	5,000
5372 - RENTAL LIGHTS (Distribution)	1,000	-	-	-	-	1,000
5373 - FPUA STREET LIGHTS (COUNTY & SLV) (Dist)	1,000	-	-	-	-	1,000
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
<i>Totals</i>	63,000	-	-	-	-	63,000

<i>Actual Amount Spent 10/1/16- 3/31/17</i>	-
<i>Inception through 9/30/16</i>	-
<i>Estimated Cost for FY 2017</i>	50,000
<i>Est. FY 2017 Budget Carryover</i>	25,000
<i>Estimated Total Through 9/30/17</i>	75,000

Proposed Funding Sources:	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
Rates	63,000	-	-	-	-	63,000
Contribution-in-Aid	-	-	-	-	-	-
Capital Improvement Charges	-	-	-	-	-	-
<i>Total</i>	63,000	-	-	-	-	63,000

FORT PIERCE UTILITIES AUTHORITY
FY 2018 Capital Budget Request - Project
56 - Electric & Gas Engineering - Electric

Project Title: North Bridge Reconstruction

Request #: 20

Project #: 592

Priority #: 16

Project Type: STD

Description of Project: Reconstruction of North Bridge - The major bridge reconstruction that may affect electric infrastructure. This is the first year of a multi-year project.

Location: US 1 Hwy and North Causeway Bridge

Justification: FDOT Roadway/Bridge Improvement Project

Alternatives: None, these relocations are forced on FPUA by FDOT, which has jurisdiction over the right of way.

Describe any site preparation or removal of existing assets: Remove existing poles, lines, and other equipment.

Impact to operating income: None

Anticipated start date: 10/1/2017

Anticipated completion date: 9/30/2020

Project Manager: 6238 - Jason Mittler

Purchase Required By: FDOT

Contract Description	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
5360 - LAND & EASEMENTS (Distribution)	500	500	500	-	-	1,500
5364 - POLES, TOWERS & FIXTURES (Distribution)	2,500	1,000	1,000	-	-	4,500
5365 - OVERHEAD LINES & DEVICES (Distribution)	2,500	1,000	1,000	-	-	4,500
5366 - UNDERGROUND CONDUIT (Distribution)	1,000	1,000	1,000	-	-	3,000
5367 - UNDERGROUND LINES & DEVICES (Dist)	1,000	1,000	1,000	-	-	3,000
5368 - TRANSFORMERS (Distribution)	1,000	1,000	1,000	-	-	3,000
5369 - SERVICE LINES (Distribution)	500	500	500	-	-	1,500
5372 - RENTAL LIGHTS (Distribution)	1,000	1,000	1,000	-	-	3,000
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
<i>Totals</i>	10,000	7,000	7,000	-	-	24,000

Actual Amount Spent 10/1/16- 3/31/17 -

<i>Inception through 9/30/16</i>	-
<i>Estimated Cost for FY 2017</i>	-
<i>Est. FY 2017 Budget Carryover</i>	-
<i>Estimated Total Through 9/30/17</i>	-

Proposed Funding Sources:	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
Rates	10,000	7,000	7,000	-	-	24,000
Contribution-in-Aid	-	-	-	-	-	-
Capital Improvement Charges	-	-	-	-	-	-
<i>Total</i>	10,000	7,000	7,000	-	-	24,000

FORT PIERCE UTILITIES AUTHORITY
FY 2018 Capital Budget Request - Project
56 - Electric & Gas Engineering - Electric

Project Title: Substation Transformer Replace

Request #: 21

Project #: 594

Priority #: 2

Project Type: STD

Description of Project: Replacement of substation transformers. This schedule includes the purchase of a transformer with the installation in the following year. This is a multi-year project

Location: Service Territory

Justification: The 6 existing substation transformers are over 35 years old and have reached the end of useful life. The total project cost is estimated at \$3,150,000 for labor and materials

Alternatives: Continue to operate these units. This is not recommended because it will likely result in unscheduled extended outage affecting a large number of customers.

Describe any site preparation or removal of existing assets: The existing transformers will be removed from service

Impact to operating income: None

Anticipated start date: 10/1/2017

Anticipated completion date: 9/30/2028

Project Manager: 6127 - Javier Cisneros

Purchase Required By: Reliability

Contract Description	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
5353 - SUBSTATION EQUIPMENT (Transmission)	50,000	50,000	400,000	400,000	400,000	1,300,000
5355 - POLES & FIXTURES (Transmission)	25,000	25,000	100,000	100,000	100,000	350,000
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
<i>Totals</i>	75,000	75,000	500,000	500,000	500,000	1,650,000

<i>Actual Amount Spent 10/1/16- 3/31/17</i>	-
<i>Inception through 9/30/16</i>	-
<i>Estimated Cost for FY 2017</i>	-
<i>Est. FY 2017 Budget Carryover</i>	-
<i>Estimated Total Through 9/30/17</i>	-

Proposed Funding Sources:	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
Rates	75,000	75,000	500,000	500,000	500,000	1,650,000
Contribution-in-Aid	-	-	-	-	-	-
Capital Improvement Charges	-	-	-	-	-	-
<i>Total</i>	75,000	75,000	500,000	500,000	500,000	1,650,000

FORT PIERCE UTILITIES AUTHORITY
FY 2018 Capital Budget Request - Project
56 - Electric & Gas Engineering - Electric

Project Title: Harbor Branch Reliability Impr

Request #: 22

Project #: 595

Priority #: 15

Project Type: STD

Description of Project: Replacement of OH lines that have met the end of their useful life and improve the overall infrastructure for this campus.

Location: Old Dixie Hwy

Justification: Over the past few years, Harbor Branch has experienced reliability issues related to current system configuration.

Alternatives: Do not replace. This is not recommended as Harbor Branch is a large commercial customer with highly sensitive equipment.

Describe any site preparation or removal of existing assets: Remove existing poles, lines, and other equipment.

Impact to operating income: None

Anticipated start date: 10/1/2017

Anticipated completion date: 9/30/2019

Project Manager: 6284 - Larry Lammers

Purchase Required By: Reliability

Contract Description	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
5364 - POLES, TOWERS & FIXTURES (Distribution)	10,000	10,000	-	-	-	20,000
5365 - OVERHEAD LINES & DEVICES (Distribution)	10,000	10,000	-	-	-	20,000
5366 - UNDERGROUND CONDUIT (Distribution)	10,000	10,000	-	-	-	20,000
5367 - UNDERGROUND LINES & DEVICES (Dist)	10,000	10,000	-	-	-	20,000
5368 - TRANSFORMERS (Distribution)	5,000	5,000	-	-	-	10,000
5369 - SERVICE LINES (Distribution)	5,000	5,000	-	-	-	10,000
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
<i>Totals</i>	50,000	50,000	-	-	-	100,000

<i>Actual Amount Spent 10/1/16- 3/31/17</i>	-
<i>Inception through 9/30/16</i>	-
<i>Estimated Cost for FY 2017</i>	-
<i>Est. FY 2017 Budget Carryover</i>	-
<i>Estimated Total Through 9/30/17</i>	-

Proposed Funding Sources:	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
Rates	50,000	50,000	-	-	-	100,000
Contribution-in-Aid	-	-	-	-	-	-
Capital Improvement Charges	-	-	-	-	-	-
<i>Total</i>	50,000	50,000	-	-	-	100,000

FORT PIERCE UTILITIES AUTHORITY
Capital Budget Request - Summary Sheet
FY 2018

Department Name: 62 - Water Resources

Request Number	Project Title or Asset Name	Projected Costs						
		Est. Total Through 9/30/2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total 5 Years FY 2018-22
FA-1	Submersible Well Pumps	-	15,000	15,000	15,000	15,000	15,000	75,000
FA-2	Submersible Electric Motors	-	12,000	12,000	12,000	12,000	12,000	60,000
FA-3	Telemetry & Controls	-	25,000	25,000	25,000	25,000	25,000	125,000
FA-4	1/2 Ton 4x4 Pickup Truck	-	35,000	-	-	-	-	35,000
1	Raw Water Mains R&R	25,000	10,000	10,000	10,000	10,000	10,000	50,000
2	Lime CW Transfer Pumps	189,910	-	190,000	-	-	-	190,000
3	PLC Conversion	190,000	160,000	-	-	-	-	160,000
4	Bulk Chemical Containments	320,000	890,000	-	-	-	-	890,000
5	WTP Gravity Thickener	360,000	791,000	-	-	-	-	791,000
6	Unit #1 Lime Slaker	-	175,000	-	-	-	-	175,000
7	WTP Storm Hardening	60,000	60,000	-	-	-	-	60,000
8	Dryer Building Reutilization	-	100,000	-	-	-	-	100,000
9	Stripping Tower Xfer Pumps	-	-	160,000	165,000	170,000	-	495,000
10	Savannah Ground Storage Tank	-	-	140,000	-	-	-	140,000
11	High Service Pump #2	-	-	-	150,000	-	-	150,000
12	South Hutchinson Island GST	-	-	-	140,000	-	-	140,000
13	Dryer Building MCC	-	-	-	-	350,000	-	350,000
14	Lawnwood Well Field MCC	-	-	-	-	-	300,000	300,000
15	1.5 MG Ground Storage Tank	-	-	-	-	-	145,000	145,000
Total		1,144,910	2,273,000	552,000	517,000	582,000	507,000	4,431,000

FORT PIERCE UTILITIES AUTHORITY
Capital Budget Request - Summary Sheet
FY 2018

Department Name: 62 - Water Resources

Request Number	Project Title or Asset Name	Priority Rating Area							
		I	II	III	IV	V	VI	Total Points	Dept. Head Rating
FA-1	Submersible Well Pumps	8	8	8	6	4	6	40	10
FA-2	Submersible Electric Motors	8	8	6	6	4	6	38	9
FA-3	Telemetry & Controls	10	6	6	6	2	6	36	8
FA-4	1/2 Ton 4x4 Pickup Truck	8	8	8	6	2	6	38	6
1	Raw Water Mains R&R	10	8	3	6	4	6	37	11
2	Lime CW Transfer Pumps							-	
3	PLC Conversion	8	6	8	6	2	6	36	3
4	Bulk Chemical Containments	10	10	3	4	2	6	35	2
5	WTP Gravity Thickener	10	8	6	6	4	6	40	1
6	Unit #1 Lime Slaker	8	8	8	6	2	6	38	4
7	WTP Storm Hardening	12	8	3	4	2	6	35	5
8	Dryer Building Reutilization	8	6	8	6	2	6	36	7
9	Stripping Tower Xfer Pumps							-	
10	Savannah Ground Storage Tank							-	
11	High Service Pump #2							-	
12	South Hutchinson Island GST							-	
13	Dryer Building MCC							-	
14	Lawnwood Well Field MCC							-	
15	1.5 MG Ground Storage Tank							-	

Proposed Funding Sources:	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total 5 Years FY 2018-22
Rates	2,273,000	552,000	517,000	582,000	507,000	4,431,000
Contribution-in-Aid	-	-	-	-	-	-
Capital Improvement Charges	-	-	-	-	-	-
<i>Total</i>	2,273,000	552,000	517,000	582,000	507,000	4,431,000

FORT PIERCE UTILITIES AUTHORITY
FY 2018 Capital Budget Request - Fixed Asset
62 - Water Resources

Fixed Asset Name: Submersible Well Pumps

Fixed Asset Description: Submersible well pumps for pumping water from FPUA wellfields to Water Treatment Facility.

Justification for Purchase: Replace failed well pumps on an as-needed basis.

Request #: FA - 1
Fixed Asset #: 632518001
Priority #: 10

Alternatives: Try to meet water demand with reduced raw water capacity. Not recommended.

	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
Total Proposed Costs:	\$ 15,000	\$ 15,000	\$ 15,000	\$ 15,000	\$ 15,000	\$ 75,000

Anticipated Purchase Date: 4/1/2018

Project Manager: 6259 - Keith Stephens

Purchase Required By: Reliability

Class ID: 6325 - ELECTRIC PUMPING EQUIPMENT

FY 2018 COST BREAKDOWN			
Cost Estimate:	Quantity	Per Unit	Total Cost
Purchase Price	2	\$ 7,500	\$ 15,000
Delivery	-	-	-
Installation	-	-	-
Trade-In	-	-	-
Other	-	-	-
<i>Totals</i>			\$ 15,000

Areas:	
Scheduled Replacement	
Replace Obsolete Equipment	
Replace Worn Out Equipment	x
Reduce Personnel Time	
Expand Service	
Other	
New Operation	
Improve Operations	

Quantity	
Replacements	2
Additions	-
<i>Total</i>	2

Proposed Funding Sources:	
Rates	\$ 15,000
Other (describe)	-
<i>Total</i>	\$ 15,000

ASSET(S) TO BE REPLACED					
FPUA Asset Number	Description/Serial Number	Mileage / Age	Asset Condition	FY 2016 Maint. Cost	Recommended Disposition

FORT PIERCE UTILITIES AUTHORITY
FY 2018 Capital Budget Request - Fixed Asset
62 - Water Resources

Fixed Asset Name: Submersible Electric Motors

Fixed Asset Description: Submersible electric motors to operate pumps in FPUA wellfields.

Justification for Purchase: Replace failed motors on an as-needed basis.

Request #: FA - 2
Fixed Asset #: 632518002
Priority #: 9

Alternatives: Try to meet water demand with reduced raw water capacity. Not recommended.

	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
Total Proposed Costs:	\$ 12,000	\$ 12,000	\$ 12,000	\$ 12,000	\$ 12,000	\$ 60,000

Anticipated Purchase Date: 4/1/2018

Project Manager: 6259 - Keith Stephens

Purchase Required By: Reliability

Class ID: 6325 - ELECTRIC PUMPING EQUIPMENT

FY 2018 COST BREAKDOWN			
Cost Estimate:	Quantity	Per Unit	Total Cost
Purchase Price	2	\$ 6,000	\$ 12,000
Delivery	-	-	-
Installation	-	-	-
Trade-In	-	-	-
Other	-	-	-
<i>Totals</i>			\$ 12,000

Areas:	
Scheduled Replacement	
Replace Obsolete Equipment	
Replace Worn Out Equipment	x
Reduce Personnel Time	
Expand Service	
Other	
New Operation	
Improve Operations	

Quantity	
Replacements	2
Additions	-
<i>Total</i>	2

Proposed Funding Sources:	
Rates	\$ 12,000
Other (describe)	-
<i>Total</i>	\$ 12,000

ASSET(S) TO BE REPLACED					
FPUA Asset Number	Description/Serial Number	Mileage / Age	Asset Condition	FY 2016 Maint. Cost	Recommended Disposition

FORT PIERCE UTILITIES AUTHORITY
FY 2018 Capital Budget Request - Fixed Asset
62 - Water Resources

Fixed Asset Name: Telemetry & Controls

Request #: FA - 3
Fixed Asset #: 633218003
Priority #: 8

Fixed Asset Description: Equipment needed for SCADA system and security.

Justification for Purchase: Upgrade and replace faulty equipment on an as-needed basis.

Alternatives: Try to maintain older, outdated equipment, with little or no support. Not recommended.

	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
Total Proposed Costs:	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000	\$ 125,000

Anticipated Purchase Date: 4/1/2018

Project Manager: 6259 - Keith Stephens

Purchase Required By: Reliability

Class ID: 6332 - WATER TREATMENT EQUIPMENT

FY 2018 COST BREAKDOWN			
Cost Estimate:	Quantity	Per Unit	Total Cost
Purchase Price	2	\$ 12,500	\$ 25,000
Delivery	-	-	-
Installation	-	-	-
Trade-In	-	-	-
Other	-	-	-
<i>Totals</i>			\$ 25,000

Areas:	
Scheduled Replacement	x
Replace Obsolete Equipment	x
Replace Worn Out Equipment	x
Reduce Personnel Time	
Expand Service	
Other	
New Operation	
Improve Operations	

Quantity	
Replacements	2
Additions	-
<i>Total</i>	2

Proposed Funding Sources:	
Rates	\$ 25,000
Other (describe)	-
<i>Total</i>	\$ 25,000

ASSET(S) TO BE REPLACED					
FPUA Asset Number	Description/Serial Number	Mileage / Age	Asset Condition	FY 2016 Maint. Cost	Recommended Disposition

FORT PIERCE UTILITIES AUTHORITY
FY 2018 Capital Budget Request - Fixed Asset
62 - Water Resources

Fixed Asset Name: 1/2 Ton 4x4 Pickup Truck

Request #: FA - 4
Fixed Asset #: 639218004
Priority #: 6

Fixed Asset Description: 1/2 Ton 4x4 Crew Cab Pickup Truck with tow package

Justification for Purchase: This is a new asset needed for the Maintenance Foreman and Senior Plant Operator to use. This vehicle will also be used to tow the portable generators to remote sites if needed.

Alternatives: Use existing service trucks, if available.

	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
Total Proposed Costs:	\$ 35,000	\$ -	\$ -	\$ -	\$ -	\$ 35,000

Anticipated Purchase Date: 12/1/2017

Project Manager: 6259 - Keith Stephens

Purchase Required By: Efficiency/Safety

Class ID: 6392 - VEHICLES

FY 2018 COST BREAKDOWN			
Cost Estimate:	Quantity	Per Unit	Total Cost
Purchase Price	1	\$ 35,000	\$ 35,000
Delivery	-	-	-
Installation	-	-	-
Trade-In	-	-	-
Other	-	-	-
<i>Totals</i>			\$ 35,000

Areas:	
Scheduled Replacement	
Replace Obsolete Equipment	
Replace Worn Out Equipment	
Reduce Personnel Time	
Expand Service	
Other	
New Operation	x
Improve Operations	x

Quantity	
Replacements	-
Additions	1
<i>Total</i>	1

Proposed Funding Sources:	
Rates	\$ 35,000
Other (describe)	-
<i>Total</i>	\$ 35,000

ASSET(S) TO BE REPLACED					
FPUA Asset Number	Description/Serial Number	Mileage / Age	Asset Condition	FY 2016 Maint. Cost	Recommended Disposition

FORT PIERCE UTILITIES AUTHORITY
FY 2018 Capital Budget Request - Project
62 - Water Resources

Project Title: Raw Water Mains R&R

Request #: 1

Project #: 618

Priority #: 11

Project Type: BLKT

Description of Project: Replace deteriorated or failing raw water mains, laterals, and valves.

Location: Service Area

Justification: Needed due to the age and deteriorated condition of the existing pipe infrastructure, failure rates and the inability to supply the WTP with raw water that frequently occurs. All have a negative effect on the Water Treatment Plant's ability to provide reliable service to our customers.

Alternatives: Wait until the piping or valve fails and risk the ability of being able to provide raw water to the WTP. This is not a viable alternative. Not recommended.

Describe any site preparation or removal of existing assets: Remove damaged mains, laterals, and valves.

Impact to operating income: Possible increase in expense of 50% or greater, if done under emergency conditions and impact on the ability to provide adequate raw water capacity to WTP.

Anticipated start date: 10/1/2017

Anticipated completion date: On-going

Project Manager: 6259 - Keith Stephens

Purchase Required By: R&R

Contract Description	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
6316 - SUPPLY MAINS (Source/Supply)	10,000	10,000	10,000	10,000	10,000	50,000
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
<i>Totals</i>	10,000	10,000	10,000	10,000	10,000	50,000

Actual Amount Spent 10/1/16- 3/31/17 -

<i>Inception through 9/30/16</i>	-
<i>Estimated Cost for FY 2017</i>	25,000
<i>Est. FY 2017 Budget Carryover</i>	-
<i>Estimated Total Through 9/30/17</i>	25,000

Proposed Funding Sources:	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
Rates	10,000	10,000	10,000	10,000	10,000	50,000
Contribution-in-Aid	-	-	-	-	-	-
Capital Improvement Charges	-	-	-	-	-	-
<i>Total</i>	10,000	10,000	10,000	10,000	10,000	50,000

FORT PIERCE UTILITIES AUTHORITY
FY 2018 Capital Budget Request - Project
62 - Water Resources

Project Title: Lime CW Transfer Pumps

Request #: 2

Project #: 627

Priority #: 7

Project Type: STD

Description of Project: Replace Lime Clearwell Pumps, install variable speed drives (VFD), and upgrade motor to VFD rated.

Location: Water Treatment Plant

Justification: Due to the hours of run time on these pumps, the degradation of their pumping ability, and the savings of energy cost by converting to a VFD, it is time to replace these pumps, motors, and install VFD's.

Alternatives: Continue using the existing pumps in their degraded condition and risk total failure and the need to repair under emergency conditions. Not recommended.

Describe any site preparation or removal of existing assets: Removal of existing transfer pumps and motors.

Impact to operating income: Increased cost for an emergency repair and energy cost savings by converting to a VFD. Past VFD upgrades in the Water Resources Department have cumulatively saved approximately \$100,000/yr in power cost.

Anticipated start date: 10/1/2013

Anticipated completion date: 9/30/2019

Project Manager: 6259 - Keith Stephens

Purchase Required By: Reliability

Contract Description	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
6325 - ELEC PUMPING EQUIP (Source/Supply)	-	190,000	-	-	-	190,000
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
<i>Totals</i>	-	190,000	-	-	-	190,000

<i>Actual Amount Spent 10/1/16- 3/31/17</i>	-
<i>Inception through 9/30/16</i>	189,910
<i>Estimated Cost for FY 2017</i>	-
<i>Est. FY 2017 Budget Carryover</i>	-
<i>Estimated Total Through 9/30/17</i>	189,910

Proposed Funding Sources:	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
Rates	-	190,000	-	-	-	190,000
Contribution-in-Aid	-	-	-	-	-	-
Capital Improvement Charges	-	-	-	-	-	-
<i>Total</i>	-	190,000	-	-	-	190,000

FORT PIERCE UTILITIES AUTHORITY
FY 2018 Capital Budget Request - Project
62 - Water Resources

Project Title: PLC Conversion

Request #: 3

Project #: 629

Priority #: 0

Project Type: STD

Description of Project: Convert the existing Allen Bradley PLC (Programmable Logic Controller) system from PLC 5 version to Control Logix.

Location: Water Treatment Plant

Justification: The current PLC 5 system has become obsolete and hard to find support for. The cost to replace one processor can be \$16,000. The new system will provide better reliability and enhanced tuning to the programs in an attempt to increase efficiency and reliability at the WTP.

Alternatives: Continue using the existing system and make repairs when possible. Not recommended.

Describe any site preparation or removal of existing assets: As Needed.

Impact to operating income: Would reduce the amount of expenses for replacing failed parts and increase the efficiency and reliability of the water treatment process.

Anticipated start date: 5/1/2017

Anticipated completion date: 9/30/2018

Project Manager: 6259 - Keith Stephens

Purchase Required By: Reliability

Contract Description	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
6332 - WATER TREATMENT EQUIP (Water Trtmt Plan	160,000	-	-	-	-	160,000
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
<i>Totals</i>	160,000	-	-	-	-	160,000

Actual Amount Spent 10/1/16- 3/31/17 -

<i>Inception through 9/30/16</i>	-
<i>Estimated Cost for FY 2017</i>	190,000
<i>Est. FY 2017 Budget Carryover</i>	-
<i>Estimated Total Through 9/30/17</i>	190,000

Proposed Funding Sources:	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
Rates	160,000	-	-	-	-	160,000
Contribution-in-Aid	-	-	-	-	-	-
Capital Improvement Charges	-	-	-	-	-	-
<i>Total</i>	160,000	-	-	-	-	160,000

FORT PIERCE UTILITIES AUTHORITY
FY 2018 Capital Budget Request - Project
62 - Water Resources

Project Title: Bulk Chemical Containments

Request #: 4

Project #: 637

Priority #: 3

Project Type: STD

Description of Project: Replace existing bulk chemical tanks, refurbish existing chemical containment basins, build new containment basin for fluorosilicic acid tank, install new pumps for fluorosilicic acid, and install new injection point for fluorosilicic acid.

Location: Water Treatment Plant

Justification: The Sodium Hydroxide and Sulfuric Acid tanks are several years past their expected life and are showing signs of breaking down. The existing containment basins for these two chemicals have degraded enough to question their ability to provide containment. Moving the fluorosilicic acid tank would centralize the bulk chemicals and provide protection from chemical spills.

Alternatives: Continue operating the tanks until they fail or there is a spill. Not recommended.

Describe any site preparation or removal of existing assets: Remove equipment as required.

Impact to operating income: A bulk chemical tank and/or containment failure could limit the ability to provide treated water and an added cost to clean up the spill. The cost of a chemical spill cleanup could easily exceed \$100,000.

Anticipated start date: 3/1/2017

Anticipated completion date: 9/30/2018

Project Manager: 6490 - Valerie Schulte

Purchase Required By: Reliability

Contract Description	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
6332 - WATER TREATMENT EQUIP (Water Trtmt Plan	890,000	-	-	-	-	890,000
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
<i>Totals</i>	890,000	-	-	-	-	890,000

<i>Actual Amount Spent 10/1/16- 3/31/17</i>	-
<i>Inception through 9/30/16</i>	-
<i>Estimated Cost for FY 2017</i>	320,000
<i>Est. FY 2017 Budget Carryover</i>	-
<i>Estimated Total Through 9/30/17</i>	320,000

Proposed Funding Sources:	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
Rates	890,000	-	-	-	-	890,000
Contribution-in-Aid	-	-	-	-	-	-
Capital Improvement Charges	-	-	-	-	-	-
<i>Total</i>	890,000	-	-	-	-	890,000

FORT PIERCE UTILITIES AUTHORITY
FY 2018 Capital Budget Request - Project
62 - Water Resources

Project Title: WTP Gravity Thickener

Request #: 5

Project #: 674

Priority #: 2

Project Type: STD

Description of Project: Rehabilitation of the WTP gravity thickener system. To include: tank repair, replacement of existing gear box, extensive metal repair and replacement, and updating of control system.

Location: Water Treatment Plant

Justification: The gravity thickener is used to process the lime softening residuals. This is a needed system for the sludge removal from the plant.

Alternatives: Rent a temporary system to process the lime residuals. This would be a continuous cost for a lesser removal process. Not recommended.

Describe any site preparation or removal of existing assets: To be determined as each phase of this project develops.

Impact to operating income: At present demand and costs, it could add an additional \$500,000 per year to haul the lime residuals off-site without the thickener process and create a greater labor demand to the department.

Anticipated start date: 3/1/2017

Anticipated completion date: 9/30/2018

Project Manager: 6490 - Valerie Schulte

Purchase Required By: Reliability

Contract Description	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
6332 - WATER TREATMENT EQUIP (Water Trtmt Plan	791,000	-	-	-	-	791,000
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
<i>Totals</i>	791,000	-	-	-	-	791,000

Actual Amount Spent 10/1/16- 3/31/17 -

<i>Inception through 9/30/16</i>	-
<i>Estimated Cost for FY 2017</i>	360,000
<i>Est. FY 2017 Budget Carryover</i>	-
<i>Estimated Total Through 9/30/17</i>	360,000

Proposed Funding Sources:	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
Rates	791,000	-	-	-	-	791,000
Contribution-in-Aid	-	-	-	-	-	-
Capital Improvement Charges	-	-	-	-	-	-
<i>Total</i>	791,000	-	-	-	-	791,000

FORT PIERCE UTILITIES AUTHORITY
FY 2018 Capital Budget Request - Project
62 - Water Resources

Project Title: Unit #1 Lime Slaker

Request #: 6
Project #: 677
Priority #: 1
Project Type: STD

Description of Project: Replace Lime Slaker and upgrade control system.

Location: Water Treatment Plant

Justification: Slaker has reached the end of its useful life and is needed in the lime softening process. We are currently only using it for "emergency use".

Alternatives: Continue depending on Unit #2 slaker and only using Unit #1 Slaker for "emergency use". Not recommended.

Describe any site preparation or removal of existing assets: As Needed.

Impact to operating income: Slaker is used to treat surficial raw well water that supplies drinking water to our customers, which generates water revenue for the utility.

Anticipated start date: 10/1/2017

Anticipated completion date: 9/30/2018

Project Manager: 6259 - Keith Stephens

Purchase Required By: Reliability

Contract Description	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
6332 - WATER TREATMENT EQUIP (Water Trtmt Plan	175,000	-	-	-	-	175,000
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
<i>Totals</i>	175,000	-	-	-	-	175,000

Actual Amount Spent 10/1/16- 3/31/17 -

<i>Inception through 9/30/16</i>	-
<i>Estimated Cost for FY 2017</i>	-
<i>Est. FY 2017 Budget Carryover</i>	-
<i>Estimated Total Through 9/30/17</i>	-

Proposed Funding Sources:	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
Rates	175,000	-	-	-	-	175,000
Contribution-in-Aid	-	-	-	-	-	-
Capital Improvement Charges	-	-	-	-	-	-
<i>Total</i>	175,000	-	-	-	-	175,000

FORT PIERCE UTILITIES AUTHORITY
FY 2018 Capital Budget Request - Project
62 - Water Resources

Project Title: WTP Storm Hardening

Request #: 7

Project #: 679

Priority #: 4

Project Type: STD

Description of Project: Project will replace windows and doors that are vulnerable to strong winds and rain.

Location: Water Treatment Plant

Justification: Existing windows and doors were installed over 50 years ago and do not meet hurricane standards. Equipment in building is needed to treat the raw water.

Alternatives: Leave existing doors and windows as they are.

Describe any site preparation or removal of existing assets: As needed.

Impact to operating income: Could impact ability to produce water for our customers if the building is compromised, due to the substandard doors and windows.

Anticipated start date: 7/1/2017

Anticipated completion date: 9/30/2018

Project Manager: 6259 - Keith Stephens

Purchase Required By: Storm Hardening

Contract Description	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
6331 - STRUCT & IMPROV (Wtr Trtmt Plt)	60,000	-	-	-	-	60,000
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
<i>Totals</i>	60,000	-	-	-	-	60,000

Actual Amount Spent 10/1/16- 3/31/17 -

<i>Inception through 9/30/16</i>	-
<i>Estimated Cost for FY 2017</i>	60,000
<i>Est. FY 2017 Budget Carryover</i>	-
<i>Estimated Total Through 9/30/17</i>	60,000

Proposed Funding Sources:	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
Rates	60,000	-	-	-	-	60,000
Contribution-in-Aid	-	-	-	-	-	-
Capital Improvement Charges	-	-	-	-	-	-
<i>Total</i>	60,000	-	-	-	-	60,000

FORT PIERCE UTILITIES AUTHORITY
FY 2018 Capital Budget Request - Project
62 - Water Resources

Project Title: Dryer Building Reutilization

Request #: 8

Project #: 680

Priority #: 5

Project Type: STD

Description of Project: Modify existing space by creating two new offices, bathroom, breakroom, training room, and personal workspaces for 10 employees.

Location: Water Treatment Plant

Justification: Currently have two supervisory employees that do not have adequate office space to perform their job duties. The current maintenance work area has three computers for the maintenance staff to share time on and they are having trouble completing required training, researching parts, and completing their required paperwork.

Alternatives: Continue using existing facilities.

Describe any site preparation or removal of existing assets: Removal of obsolete equipment in existing space.

Impact to operating income: Employees will have the ability to complete their work in a timely manner, freeing up more time for equipment repair and preventative maintenance.

Anticipated start date: 10/1/2017

Anticipated completion date: 9/30/2018

Project Manager: 6259 - Keith Stephens

Purchase Required By: Efficiency/Safety

Contract Description	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
6331 - STRUCT & IMPROV (Wtr Trtmt Plt)	100,000	-	-	-	-	100,000
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
<i>Totals</i>	100,000	-	-	-	-	100,000

<i>Actual Amount Spent 10/1/16- 3/31/17</i>	-
<i>Inception through 9/30/16</i>	-
<i>Estimated Cost for FY 2017</i>	-
<i>Est. FY 2017 Budget Carryover</i>	-
<i>Estimated Total Through 9/30/17</i>	-

Proposed Funding Sources:	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
Rates	100,000	-	-	-	-	100,000
Contribution-in-Aid	-	-	-	-	-	-
Capital Improvement Charges	-	-	-	-	-	-
<i>Total</i>	100,000	-	-	-	-	100,000

FORT PIERCE UTILITIES AUTHORITY
FY 2018 Capital Budget Request - Project
62 - Water Resources

Project Title: Stripping Tower Xfer Pumps

Request #: 9

Project #: 634

Priority #: 0

Project Type: STD

Description of Project: Replacement of pumps, motors, isolation valves, and check valves.

Location: Water Treatment Plant

Justification: Equipment has reached, or is reaching, its useful life. System is used to remove volatile organic compounds found in surficial raw water.

Alternatives: Bypass stripping towers in the water treatment process and stop using raw water wells that have tested positive for volatile organic compounds in the past. Not recommended.

Describe any site preparation or removal of existing assets: As Needed.

Impact to operating income: Equipment is necessary to provide safe drinking water to FPUA customers. Not using this process would also add an increased usage of chemical for an estimated additional cost of \$10,000/yr.

Anticipated start date: 10/1/2018

Anticipated completion date: 9/30/2021

Project Manager: 6259 - Keith Stephens

Purchase Required By: Reliability

Contract Description	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
6325 - ELEC PUMPING EQUIP (Source/Supply)	-	160,000	165,000	170,000	-	495,000
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
<i>Totals</i>	-	160,000	165,000	170,000	-	495,000

<i>Actual Amount Spent 10/1/16- 3/31/17</i>	-
<i>Inception through 9/30/16</i>	-
<i>Estimated Cost for FY 2017</i>	-
<i>Est. FY 2017 Budget Carryover</i>	-
<i>Estimated Total Through 9/30/17</i>	-

Proposed Funding Sources:	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
Rates	-	160,000	165,000	170,000	-	495,000
Contribution-in-Aid	-	-	-	-	-	-
Capital Improvement Charges	-	-	-	-	-	-
<i>Total</i>	-	160,000	165,000	170,000	-	495,000

FORT PIERCE UTILITIES AUTHORITY
FY 2018 Capital Budget Request - Project
62 - Water Resources

Project Title: Savannah Ground Storage Tank

Request #: 10

Project #: _____

Priority #: 0

Project Type: STD

Description of Project: Total rehabilitation of 1 million gallon ground storage tank at Savannah Repump Facility.

Location: Savannah Repump Facility

Justification: The tank was built in 1993 and is in need of rehabilitation. The 1 MG ground storage tank provides water storage for fire protection, stable water pressure, and customers with drinking water during water treatment equipment breakdowns.

Alternatives: None recommended

Describe any site preparation or removal of existing assets: As Needed.

Impact to operating income: This ground storage tank is needed to supply water storage for the distribution system, which generates water revenue for the utility.

Anticipated start date: 10/1/2018

Anticipated completion date: 9/30/2019

Project Manager: 6259 - Keith Stephens

Purchase Required By: Reliability

Contract Description	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
6342 - DISTRIBUTION REPUMPS (Water Dist)	-	140,000	-	-	-	140,000
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
<i>Totals</i>	-	140,000	-	-	-	140,000

<i>Actual Amount Spent 10/1/16- 3/31/17</i>	-
<i>Inception through 9/30/16</i>	-
<i>Estimated Cost for FY 2017</i>	-
<i>Est. FY 2017 Budget Carryover</i>	-
<i>Estimated Total Through 9/30/17</i>	-

Proposed Funding Sources:	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
Rates	-	140,000	-	-	-	140,000
Contribution-in-Aid	-	-	-	-	-	-
Capital Improvement Charges	-	-	-	-	-	-
<i>Total</i>	-	140,000	-	-	-	140,000

FORT PIERCE UTILITIES AUTHORITY
FY 2018 Capital Budget Request - Project
62 - Water Resources

Project Title: High Service Pump #2

Request #: 11

Project #: _____

Priority #: 0

Project Type: STD

Description of Project: Replace High Service Pump #2, pump, motor, checkvalve and isolation valves.

Location: Water Treatment Plant

Justification: Due to the hours of run time on this pump and the degradation of its pumping ability, it is time to replace this pump, motor, checkvalve, and isolation valves.

Alternatives: Continue to use pump with it's degraded pumping ability until failure. Not recommended.

Describe any site preparation or removal of existing assets: Removal of pump, motor, checkvalve, and isolation valves.

Impact to operating income: This pump is needed to supply water pressure to the distribution system for generating water revenue for the utility.

Anticipated start date: 10/1/2019

Anticipated completion date: 9/30/2020

Project Manager: 6259 - Keith Stephens

Purchase Required By: Reliability

Contract Description	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
6325 - ELEC PUMPING EQUIP (Source/Supply)	-	-	150,000	-	-	150,000
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
<i>Totals</i>	-	-	150,000	-	-	150,000

Actual Amount Spent 10/1/16- 3/31/17 -

<i>Inception through 9/30/16</i>	-
<i>Estimated Cost for FY 2017</i>	-
<i>Est. FY 2017 Budget Carryover</i>	-
<i>Estimated Total Through 9/30/17</i>	-

Proposed Funding Sources:	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
Rates	-	-	150,000	-	-	150,000
Contribution-in-Aid	-	-	-	-	-	-
Capital Improvement Charges	-	-	-	-	-	-
<i>Total</i>	-	-	150,000	-	-	150,000

FORT PIERCE UTILITIES AUTHORITY
FY 2018 Capital Budget Request - Project
62 - Water Resources

Project Title: South Hutchinson Island GST

Request #: 12

Project #: _____

Priority #: 0

Project Type: STD

Description of Project: Total rehabilitation of 1 million gallon ground storage tank at South Hutchinson Island Repump Facility.

Location: South Hutchinson Island Repump Facility

The tank was built in 1982 and is in need of rehabilitation based on the past two inspection reports.

Justification: The 1 MG ground storage tank provides water storage for fire protection, stable water pressure, and customers with drinking water during water treatment equipment breakdowns.

Alternatives: None recommended

Describe any site preparation or removal of existing assets: As Needed.

Impact to operating income: This ground storage tank is needed to supply water storage for the distribution system, which generates water revenue for the utility.

Anticipated start date: 10/1/2019

Anticipated completion date: 9/30/2020

Project Manager: 6259 - Keith Stephens

Purchase Required By: Reliability

Contract Description	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
6342 - DISTRIBUTION REPUMPS (Water Dist)	-	-	140,000	-	-	140,000
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
<i>Totals</i>	-	-	140,000	-	-	140,000

Actual Amount Spent 10/1/16- 3/31/17 -

<i>Inception through 9/30/16</i>	-
<i>Estimated Cost for FY 2017</i>	-
<i>Est. FY 2017 Budget Carryover</i>	-
<i>Estimated Total Through 9/30/17</i>	-

Proposed Funding Sources:	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
Rates	-	-	140,000	-	-	140,000
Contribution-in-Aid	-	-	-	-	-	-
Capital Improvement Charges	-	-	-	-	-	-
<i>Total</i>	-	-	140,000	-	-	140,000

FORT PIERCE UTILITIES AUTHORITY
FY 2018 Capital Budget Request - Project
62 - Water Resources

Project Title: Dryer Building MCC

Request #: 13

Project #: _____

Priority #: 0

Project Type: STD

Description of Project: Replace Motor Control Center (MCC)

Location: Water Treatment Plant

Justification: MCC has reached its useful life and requires replacement. Installed in 1964.

Alternatives: Continue using MCC until it fails. Not Recommended.

Describe any site preparation or removal of existing assets: As needed.

Impact to operating income: MCC powers equipment needed to produce finished water.

Anticipated start date: 10/1/2020

Anticipated completion date: 9/30/2021

Project Manager: 6259 - Keith Stephens

Purchase Required By: Reliability

Contract Description	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
6331 - STRUCT & IMPROV (Wtr Trtmt Plt)	-	-	-	350,000	-	350,000
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
<i>Totals</i>	-	-	-	350,000	-	350,000

Actual Amount Spent 10/1/16- 3/31/17 -

<i>Inception through 9/30/16</i>	-
<i>Estimated Cost for FY 2017</i>	-
<i>Est. FY 2017 Budget Carryover</i>	-
<i>Estimated Total Through 9/30/17</i>	-

Proposed Funding Sources:	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
Rates	-	-	-	350,000	-	350,000
Contribution-in-Aid	-	-	-	-	-	-
Capital Improvement Charges	-	-	-	-	-	-
<i>Total</i>	-	-	-	350,000	-	350,000

FORT PIERCE UTILITIES AUTHORITY
FY 2018 Capital Budget Request - Project
62 - Water Resources

Project Title: Lawnwood Well Field MCC

Request #: 14

Project #: _____

Priority #: 0

Project Type: STD

Description of Project: Replace Motor Control Center (MCC) at generating station and remote location at Lawnwood well field.

Location: Lawnwood Generating Station

Justification: MCC has reached its useful life and requires replacement. Installed in 1980.

Alternatives: Continue using existing MCC until failure. Not recommended.

Describe any site preparation or removal of existing assets: As needed.

Impact to operating income: MCC provides power to the Lawnwood well field, which supplies raw water to the Water Treatment Plant.

Anticipated start date: 10/1/2021

Anticipated completion date: 9/30/2022

Project Manager: 6259 - Keith Stephens

Purchase Required By: Reliability

Contract Description	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
6311 - STRUCTURES & IMPROVEMENTS (Source/Sup	-	-	-	-	300,000	300,000
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
<i>Totals</i>	-	-	-	-	300,000	300,000

Actual Amount Spent 10/1/16- 3/31/17 -

<i>Inception through 9/30/16</i>	-
<i>Estimated Cost for FY 2017</i>	-
<i>Est. FY 2017 Budget Carryover</i>	-
<i>Estimated Total Through 9/30/17</i>	-

Proposed Funding Sources:	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
Rates	-	-	-	-	300,000	300,000
Contribution-in-Aid	-	-	-	-	-	-
Capital Improvement Charges	-	-	-	-	-	-
<i>Total</i>	-	-	-	-	300,000	300,000

FORT PIERCE UTILITIES AUTHORITY
FY 2018 Capital Budget Request - Project
62 - Water Resources

Project Title: 1.5 MG Ground Storage Tank

Request #: 15

Project #: _____

Priority #: 0

Project Type: STD

Description of Project: Total rehabilitation of 1.5 million gallon ground storage tank at the Water Treatment Plant.

Location: Water Treatment Plant

Justification: The tank was built in 1983 and is in need of rehabilitation based on the past inspection reports. The 1.5 MG ground storage tank provides water storage for fire protection, stable water pressure, and customers with drinking water during water treatment equipment breakdowns.

Alternatives: None recommended.

Describe any site preparation or removal of existing assets: As Needed.

Impact to operating income: This ground storage tank is needed to supply water storage for the distribution system, which generates water revenue for the utility.

Anticipated start date: 10/1/2021

Anticipated completion date: 9/30/2022

Project Manager: 6259 - Keith Stephens

Purchase Required By: Reliability

Contract Description	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
6331 - STRUCT & IMPROV (Wtr Trtmt Plt)	-	-	-	-	145,000	145,000
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
<i>Totals</i>	-	-	-	-	145,000	145,000

Actual Amount Spent 10/1/16- 3/31/17 -

<i>Inception through 9/30/16</i>	-
<i>Estimated Cost for FY 2017</i>	-
<i>Est. FY 2017 Budget Carryover</i>	-
<i>Estimated Total Through 9/30/17</i>	-

Proposed Funding Sources:	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
Rates	-	-	-	-	145,000	145,000
Contribution-in-Aid	-	-	-	-	-	-
Capital Improvement Charges	-	-	-	-	-	-
<i>Total</i>	-	-	-	-	145,000	145,000

FORT PIERCE UTILITIES AUTHORITY
Capital Budget Request - Summary Sheet
FY 2018

Department Name: 64 - Water Distribution

Request Number	Project Title or Asset Name	Projected Costs						
		Est. Total Through 9/30/2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total 5 Years FY 2018-22
FA-1	Linestop Trailer Upgrade	-	22,000	-	-	-	-	22,000
FA-2	1/2 Ton 4x4 Pickup Truck	-	34,000	-	-	-	-	34,000
FA-3	Ultra-Trac Pipe APL Locator	-	12,000	-	-	-	-	12,000
FA-4	Various FA for FY 2019-2022	-	-	262,000	255,000	260,000	292,000	1,069,000
1	Meter/Backflow Preventers	207,755	185,000	190,550	196,267	202,154	208,219	982,190
2	Fire Hydrant Replacements	96,570	60,000	61,800	63,654	65,564	67,531	318,549
3	Meter Change outs	410,111	210,000	216,300	222,790	229,472	236,357	1,114,919
4	Main/Serv/Valve Replacement	846,758	540,000	556,200	572,886	590,073	607,775	2,866,934
Total		1,561,194	1,063,000	1,286,850	1,310,597	1,347,263	1,411,882	6,419,592

Request Number	Project Title or Asset Name	Priority Rating Area							
		I	II	III	IV	V	VI	Total Points	Dept. Head Rating
FA-1	Linestop Trailer Upgrade	10	10	8	8	4	6	46	5
FA-2	1/2 Ton 4x4 Pickup Truck	8	10	8	6	4	6	42	6
FA-3	Ultra-Trac Pipe APL Locator	10	10	8	4	2	6	40	7
FA-4	Various FA for FY 2019-2022	12	8	6	4	2	6	38	
1	Meter/Backflow Preventers	8	8	8	6	4	6	40	1
2	Fire Hydrant Replacements	10	10	6	6	4	4	40	2
3	Meter Change outs	8	8	8	6	2	6	38	3
4	Main/Serv/Valve Replacement	10	8	6	4	4	6	38	4

Proposed Funding Sources:	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total 5 Years FY 2018-22
Rates	878,000	1,096,300	1,114,330	1,145,109	1,203,663	5,437,402
Contribution-in-Aid	185,000	190,550	196,267	202,154	208,219	982,190
Capital Improvement Charges	-	-	-	-	-	-
Total	1,063,000	1,286,850	1,310,597	1,347,263	1,411,882	6,419,592

FORT PIERCE UTILITIES AUTHORITY
FY 2018 Capital Budget Request - Fixed Asset
64 - Water Distribution

Fixed Asset Name: Linestop Trailer Upgrade

Request #: FA - 1
Fixed Asset #: 639818001
Priority #: 5

Fixed Asset Description: Replace two 8" gate valves and two 12" gate valves on the Linestop Trailer 62-522.

Justification for Purchase: The current linestop equipment is obsolete and must be replaced to be compatible with the new linestop saddles and wet tap saddles that are available. This equipment on the trailer is used repeatedly for each job. Linestops are used in situations to reduce the number of customers affected by repairs. The old style saddles are no longer available to use with our present equipment on this trailer.

Alternatives: Not replace this equipment used by the Construction Crew and use contractors for all jobs.

	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
Total Proposed Costs:	\$ 22,000	\$ -	\$ -	\$ -	\$ -	\$ 22,000

Anticipated Purchase Date: 10/1/2017

Project Manager: 5837 - Andrew Byrd

Purchase Required By: R&R

Class ID: 6398 - MISCELLANEOUS EQUIPMENT

FY 2018 COST BREAKDOWN			
Cost Estimate:	Quantity	Per Unit	Total Cost
Purchase Price	4	\$ 5,500	\$ 22,000
Delivery	-	-	-
Installation	-	-	-
Trade-In	-	-	-
Other	-	-	-
<i>Totals</i>			\$ 22,000

Areas:	
Scheduled Replacement	
Replace Obsolete Equipment	x
Replace Worn Out Equipment	x
Reduce Personnel Time	
Expand Service	
Other	
New Operation	
Improve Operations	x

Quantity	
Replacements	22,000
Additions	-
<i>Total</i>	22,000

Proposed Funding Sources:	
Rates	\$ 22,000
Other (describe)	-
<i>Total</i>	\$ 22,000

ASSET(S) TO BE REPLACED					
FPUA Asset Number	Description/Serial Number	Mileage / Age	Asset Condition	FY 2016 Maint. Cost	Recommended Disposition

FORT PIERCE UTILITIES AUTHORITY
FY 2018 Capital Budget Request - Fixed Asset
64 - Water Distribution

Fixed Asset Name: 1/2 Ton 4x4 Pickup Truck

Request #: FA - 2
Fixed Asset #: 639218002
Priority #: 6

Fixed Asset Description: 1/2 Ton 4x4 4Dr Crew Cab Pickup Truck for Construction Foreman

Justification for Purchase: This Pickup Truck will be used by the Construction Foreman to supervise our Construction crew. This truck will replace a 2000 Chevy 1500 PU with 112500 miles. A crew cab style truck allows the Foreman to transport employees to job sites and training classes.

Alternatives: Continue to drive this Backup Locate Truck. Replacement of 15-529 was deferred for one year. An estimated \$2,000 will be needed for repairs to the interior and exterior if not replaced.

	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
Total Proposed Costs:	\$ 34,000	\$ -	\$ -	\$ -	\$ -	\$ 34,000

Anticipated Purchase Date: 10/1/2017

Project Manager: 5837 - Andrew Byrd

Purchase Required By: R&R

Class ID: 6392 - VEHICLES

FY 2018 COST BREAKDOWN			
Cost Estimate:	Quantity	Per Unit	Total Cost
Purchase Price	1	\$ 34,000	\$ 34,000
Delivery	-	-	-
Installation	-	-	-
Trade-In	-	-	-
Other	-	-	-
<i>Totals</i>			\$ 34,000

Areas:	
Scheduled Replacement	x
Replace Obsolete Equipment	
Replace Worn Out Equipment	x
Reduce Personnel Time	
Expand Service	
Other	
New Operation	
Improve Operations	x

Quantity	
Replacements	34,000
Additions	-
<i>Total</i>	34,000

Proposed Funding Sources:	
Rates	\$ 34,000
Other (describe)	-
<i>Total</i>	\$ 34,000

ASSET(S) TO BE REPLACED					
FPUA Asset Number	Description/Serial Number	Mileage / Age	Asset Condition	FY 2016 Maint. Cost	Recommended Disposition
15-529	2000 Chevy 1/2 ton Pickup Truck	112500	16	\$2,900.00	Garage - Auction

FORT PIERCE UTILITIES AUTHORITY
FY 2018 Capital Budget Request - Fixed Asset
64 - Water Distribution

Fixed Asset Name: Ultra-Trac Pipe APL Locator

Fixed Asset Description: Ultra-Trac Pipe Acoustic Pipe Locator (APL) is a hand held Ground Penetrating Radar (GPR)

Justification for Purchase:

This unit is a small hand held device for locating small pipes and services (1/4" and larger). It is lightweight and only requires one person to carry/operate. It helps to locate PVC and other type lines without a tracer wire. By accurately locating FPUA facilities, it will save money on cut or damaged facilities that are not shown on the GIS system.

Alternatives:

Continue using present locate tools that are not designed to locate nonmetal pipe that does not have a tracer wire or lines where the tracer wire is broken.

Request #: FA - 3
Fixed Asset #: 639418003
Priority #: 7

Total Proposed Costs:

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
\$ 12,000	\$ -	\$ -	\$ -	\$ -	\$ 12,000

Anticipated Purchase Date: 10/1/2017

Project Manager: 5837 - Andrew Byrd

Purchase Required By: Efficiency/Safety

Class ID: 6394 - TOOLS, SHOP & GARAGE EQUIP

FY 2018 COST BREAKDOWN			
Cost Estimate:	Quantity	Per Unit	Total Cost
Purchase Price	1	\$ 12,000	\$ 12,000
Delivery	-	-	-
Installation	-	-	-
Trade-In	-	-	-
Other	-	-	-
<i>Totals</i>			\$ 12,000

Areas:	
Scheduled Replacement	
Replace Obsolete Equipment	
Replace Worn Out Equipment	
Reduce Personnel Time	x
Expand Service	
Other	
New Operation	
Improve Operations	x

Quantity	
Replacements	-
Additions	12,000
<i>Total</i>	12,000

Proposed Funding Sources:	
Rates	\$ 12,000
Other (describe)	-
<i>Total</i>	\$ 12,000

ASSET(S) TO BE REPLACED					
FPUA Asset Number	Description/Serial Number	Mileage / Age	Asset Condition	FY 2016 Maint. Cost	Recommended Disposition

FORT PIERCE UTILITIES AUTHORITY
FY 2018 Capital Budget Request - Fixed Asset
64 - Water Distribution

Fixed Asset Name: Various FA for FY 2019-2022

Request #: FA - 4
Fixed Asset #: _____
Priority #: 0

Fixed Asset Description: Replace/add various trucks, trailers and equipment each year.

Justification for Purchase: Includes: (FY 19 - 4 replacement vehicles, 1 equip) (FY20 - 4 replacement vehicle, 2 equip) (FY21 - 4 replacement vehicles, 2 equip) (FY22 - 7 replacement vehicles)

Alternatives: Continue to drive and make repairs as needed which is not considered practical.

	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
Total Proposed Costs:		\$ 262,000	\$ 255,000	\$ 260,000	\$ 292,000	\$ 1,069,000

Anticipated Purchase Date: 10/1/2018

Project Manager: 5837 - Andrew Byrd

Purchase Required By: R&R

Class ID: 6392 - VEHICLES

FY 2018 COST BREAKDOWN			
Cost Estimate:	Quantity	Per Unit	Total Cost
Purchase Price			\$ -
Delivery	-	-	-
Installation	-	-	-
Trade-In	-	-	-
Other	-	-	-
<i>Totals</i>			\$ -

Areas:	
Scheduled Replacement	x
Replace Obsolete Equipment	x
Replace Worn Out Equipment	x
Reduce Personnel Time	
Expand Service	
Other	
New Operation	
Improve Operations	

Quantity	
Replacements	-
Additions	1
<i>Total</i>	1

Proposed Funding Sources:	
Rates	
Other (describe)	-
<i>Total</i>	\$ -

ASSET(S) TO BE REPLACED					
FPUA Asset Number	Description/Serial Number	Mileage / Age	Asset Condition	FY 2016 Maint. Cost	Recommended Disposition

FORT PIERCE UTILITIES AUTHORITY
FY 2018 Capital Budget Request - Project
64 - Water Distribution

Project Title: Meter/Backflow Preventers

Request #: 1

Project #: 603

Priority #: 1

Project Type: BLKT

Description of Project: Installation of water meters and backflow preventers to meet the demands of new customer growth.

Location: Service Area

Justification: Installation of water meters and backflow preventers at customer's request on an as needed basis. Customers pay for costs of these installations.

Alternatives: There are no practical alternatives. New installations are a direct result of customer growth.

Describe any site preparation or removal of existing assets: NONE

Impact to operating income: New water meters for new customers provides for an increase in revenue. Customers pay the expense to install these meters.

Anticipated start date: 10/1/2017

Anticipated completion date: On-Going

Project Manager: 5837 - Andrew Byrd

Purchase Required By: Growth

Contract Description	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
6345 - SVC LINES & BACKFLOW PREV (Water Dist)	120,000	123,600	127,308	131,127	135,061	637,096
6346 - METERS (Water Distribution)	65,000	66,950	68,959	71,027	73,158	345,094
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
<i>Totals</i>	185,000	190,550	196,267	202,154	208,219	982,190

Actual Amount Spent 10/1/16- 3/31/17 25,867

<i>Inception through 9/30/16</i>	102,755
<i>Estimated Cost for FY 2017</i>	105,000
<i>Est. FY 2017 Budget Carryover</i>	-
<i>Estimated Total Through 9/30/17</i>	207,755

Proposed Funding Sources:	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
Rates	-	-	-	-	-	-
Contribution-in-Aid	185,000	190,550	196,267	202,154	208,219	982,190
Capital Improvement Charges	-	-	-	-	-	-
<i>Total</i>	185,000	190,550	196,267	202,154	208,219	982,190

FORT PIERCE UTILITIES AUTHORITY
FY 2018 Capital Budget Request - Project
64 - Water Distribution

Project Title: Fire Hydrant Replacements

Request #: 2

Project #: 606

Priority #: 2

Project Type: BLKT

Description of Project: Remove aged, deteriorated, or damaged fire hydrants utilizing Water Distribution's maintenance program.

Location: Service Area

Justification: Replace hydrants as necessary due to age, deterioration or damage that is considered beyond economic repair. WD plans to replace hydrants as necessary due to the aging condition found during maintenance program inspections. \$10,000 was added to fund additional replacements.

Alternatives: No practical alternative, as fire hydrants are critical to the safety of the community.

Describe any site preparation or removal of existing assets: Some sites will require replacement of sidewalks after hydrant is replaced. All sites will require sod to be replaced as part of the landscape restoration.

Impact to operating income: These funds provide for replacement fire hydrants that are critical to the safety of our community. The new hydrants will require less maintenance expense.

Anticipated start date: 10/1/2017

Anticipated completion date: On-Going

Project Manager: 5837 - Andrew Byrd

Purchase Required By: SLC Fire District

Contract Description	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
6348 - HYDRANTS (Water Distribution)	60,000	61,800	63,654	65,564	67,531	318,549
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
<i>Totals</i>	60,000	61,800	63,654	65,564	67,531	318,549

Actual Amount Spent 10/1/16- 3/31/17 22,265

<i>Inception through 9/30/16</i>	46,570
<i>Estimated Cost for FY 2017</i>	50,000
<i>Est. FY 2017 Budget Carryover</i>	-
<i>Estimated Total Through 9/30/17</i>	96,570

Proposed Funding Sources:	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
Rates	60,000	61,800	63,654	65,564	67,531	318,549
Contribution-in-Aid	-	-	-	-	-	-
Capital Improvement Charges	-	-	-	-	-	-
<i>Total</i>	60,000	61,800	63,654	65,564	67,531	318,549

FORT PIERCE UTILITIES AUTHORITY
FY 2018 Capital Budget Request - Project
64 - Water Distribution

Project Title: Meter Change outs

Request #: 3
Project #: 612
Priority #: 3
Project Type: BLKT

Description of Project: Replacement of aged and deteriorated meters and backflows.

Location: Service Area

Justification: Installations/replacements of meters increase revenues, reduce maintenance costs and help decrease unaccounted for water. Installations/replacements of backflow preventers increases safety of our water supply to customers.

Alternatives: No practical alternatives.

Describe any site preparation or removal of existing assets: Remove/replace aged and deteriorated meters and backflow preventers.

Impact to operating income: The replacement of aging meters/backflows will increase revenues, reduce maintenance costs and reduce loss of revenue for unaccounted water.

Anticipated start date: 10/1/2017

Anticipated completion date: On-Going

Project Manager: 5837 - Andrew Byrd

Purchase Required By: Reliability

Contract Description	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
6345 - SVC LINES & BACKFLOW PREV (Water Dist)	65,000	66,950	68,959	71,027	73,158	345,094
6346 - METERS (Water Distribution)	145,000	149,350	153,831	158,445	163,199	769,825
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
<i>Totals</i>	210,000	216,300	222,790	229,472	236,357	1,114,919

Actual Amount Spent 10/1/16- 3/31/17 93,643

<i>Inception through 9/30/16</i>	205,111
<i>Estimated Cost for FY 2017</i>	205,000
<i>Est. FY 2017 Budget Carryover</i>	-
<i>Estimated Total Through 9/30/17</i>	410,111

Proposed Funding Sources:	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
Rates	210,000	216,300	222,790	229,472	236,357	1,114,919
Contribution-in-Aid	-	-	-	-	-	-
Capital Improvement Charges	-	-	-	-	-	-
<i>Total</i>	210,000	216,300	222,790	229,472	236,357	1,114,919

FORT PIERCE UTILITIES AUTHORITY
FY 2018 Capital Budget Request - Project
64 - Water Distribution

Project Title: Main/Serv/Valve Replacement

Request #: 4
Project #: 615
Priority #: 4
Project Type: BLKT

Description of Project: Replace deteriorated or failing mains, services, and valves.

Location: Service Area

Justification: Improve quality and reliability of service to customers. Following a proactive plan will reduce overtime hours, unplanned service interruptions, water loss at breaks, and increase water system quality. This Project was decreased by \$10,000 to fund increase in Hydrant Replacements (606).

Alternatives: No practical alternatives.

Describe any site preparation or removal of existing assets: Remove/replace deteriorated and damaged pipe and valves. Meter Boxes located in Sidewalks or Driveways are relocated when possible too. City now requires overlays on all patches in pavements where work is performed.

Impact to operating income: These expenses are used to increase water quality and reliability to customers and decrease unplanned overtime work or service interruptions.

Anticipated start date: 10/1/2017

Anticipated completion date: On-Going

Project Manager: 5837 - Andrew Byrd

Purchase Required By: Reliability

Contract Description	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
6343 - MAINS (Water Distribution)	130,000	133,900	137,917	142,055	146,316	690,188
6345 - SVC LINES & BACKFLOW PREV (Water Dist)	410,000	422,300	434,969	448,018	461,459	2,176,746
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
<i>Totals</i>	540,000	556,200	572,886	590,073	607,775	2,866,934

<i>Actual Amount Spent 10/1/16- 3/31/17</i>	192,504
<i>Inception through 9/30/16</i>	321,758
<i>Estimated Cost for FY 2017</i>	525,000
<i>Est. FY 2017 Budget Carryover</i>	-
<i>Estimated Total Through 9/30/17</i>	846,758

Proposed Funding Sources:	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
Rates	540,000	556,200	572,886	590,073	607,775	2,866,934
Contribution-in-Aid	-	-	-	-	-	-
Capital Improvement Charges	-	-	-	-	-	-
<i>Total</i>	540,000	556,200	572,886	590,073	607,775	2,866,934

FORT PIERCE UTILITIES AUTHORITY
Capital Budget Request - Summary Sheet
FY 2018

Department Name: 66 - W/WW Engineering - Water

Request Number	Project Title or Asset Name	Projected Costs						
		Est. Total Through 9/30/2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total 5 Years FY 2018-22
FA-1	1/2 Ton 4x4 Pickup Truck	-	16,000	17,000	-	-	-	33,000
1	Surficial Well Replacement	-	-	430,000	435,000	440,000	445,000	1,750,000
2	Fire Hydrant New Installations	15,544	12,000	12,360	12,730	13,111	13,504	63,705
3	New Construction-Mains	-	39,702	41,493	43,338	45,295	47,304	217,132
4	New Construction-Custmr Funded	-	50,000	50,000	50,000	50,000	50,000	250,000
5	Water Mains Misc. R&R	650	20,000	1,000,000	600,000	1,000,000	1,000,000	3,620,000
6	Governmental & Other Required	-	35,000	110,000	110,000	110,000	110,000	475,000
7	Water Main Looping	-	-	110,000	110,000	110,000	110,000	440,000
8	7th Street - 10th - Wendell	5,000	20,000	-	-	-	-	20,000
9	San Lucie WM Replacements	9,835	50,000	-	-	-	-	50,000
10	17th St - Orange Ave to Ave D	6,916	121,000	163,000	-	-	-	284,000
11	Ave M - 25th to 13th	15,000	704,000	-	-	-	-	704,000
12	Ohio - Oleander to S US 1	15,000	340,000	-	-	-	-	340,000
13	Avenue A - N 8th to N 7th	2,000	70,000	-	-	-	-	70,000
14	Sea Winds 12-in WM	15,771	175,000	-	-	-	-	175,000
15	US Hwy 1 - Midway to Edwards	177,000	53,000	-	-	-	-	53,000
16	Fra Mar MSBU	234,579	106,000	-	-	-	-	106,000
17	Selvitz Road Water Main	289,549	30,000	-	-	-	-	30,000
18	Wendell - 8th to Chipolla	15,000	405,000	-	-	-	-	405,000
19	Midway Road - US 1 to 25th St.	330,623	304,000	40,000	-	-	-	344,000
20	Midway Road- Elm Ave to 25th	478,696	536,000	40,000	-	-	-	576,000
21	Kings Hwy-Okee Rd to Orange Av	1,000	370,000	420,000	-	-	-	790,000
22	2nd Deep Injection Well/WTP	93,824	-	-	100,000	4,200,000	-	4,300,000
23	Well 3R Replacement	-	450,000	-	-	-	-	450,000
24	RO Upgrades/Electric Upgrades	218,640	-	-	315,000	-	-	315,000
25	Floridan Well Field Generator	-	-	50,000	500,000	-	-	550,000
26	Subaqueous Mains Stabilization	18,000	75,000	-	-	-	-	75,000
27	N 8th Street - Orange to Ave E	-	-	-	400,000	-	-	400,000
28	Ave E WM Repl-N 10th to N 7th	-	175,500	-	-	-	-	175,500
29	Avenue B WM Repl-N 8th-N 7th	-	67,500	-	-	-	-	67,500
30	Avenue I & Loop to J WM Repl.	-	169,000	-	-	-	-	169,000
31	N 10th St WM Repl-Ave E-Ave L	-	310,500	-	-	-	-	310,500
32	Savannah PS WM Addition	-	50,000	-	-	-	-	50,000
33	Fisherman's Wharf WM Rehab.	5,000	20,000	-	-	-	-	20,000
Total		1,947,627	4,774,202	2,483,853	2,676,068	5,968,406	1,775,808	17,678,337

FORT PIERCE UTILITIES AUTHORITY
Capital Budget Request - Summary Sheet
FY 2018

Department Name: 66 - W/WW Engineering - Water

Request Number	Project Title or Asset Name	Priority Rating Area							Dept. Head Rating
		I	II	III	IV	V	VI	Total Points	
FA-1	1/2 Ton 4x4 Pickup Truck	8	8	6	2	4	6	34	14
1	Surficial Well Replacement							-	
2	Fire Hydrant New Installations	8	8	3	4	2	2	27	27
3	New Construction-Mains	8	6	6	4	2	2	28	26
4	New Construction-Custmr Funded	8	6	3	4	2	2	25	28
5	Water Mains Misc. R&R	12	8	8	8	6	2	44	2
6	Governmental & Other Required	8	8	3	4	4	2	29	25
7	Water Main Looping							-	
8	7th Street - 10th - Wendell	8	8	3	4	4	2	29	20
9	San Lucie WM Replacements	8	8	3	4	4	2	29	22
10	17th St - Orange Ave to Ave D	10	8	8	6	6	2	40	9
11	Ave M - 25th to 13th	10	8	8	6	4	4	40	10
12	Ohio - Oleander to S US 1	10	8	8	6	4	4	40	11
13	Sea Winds 12-in WM	8	8	6	6	2	4	34	15
14	Avenue A - N 8th to N 7th	10	8	8	6	6	2	40	4
15	US Hwy 1 - Midway to Edwards	8	8	3	4	4	2	29	21
16	Selvitz Road Water Main	8	6	6	6	2	4	32	18
17	Wendell - 8th to Chipolla	10	8	8	6	4	2	38	12
18	Midway Road - US 1 to 25th St.	8	6	3	4	4	4	29	24
19	Midway Road- Elm Ave to 25th	8	6	6	6	2	6	34	16
20	Kings Hwy-Okee Rd to Orange Av	8	6	6	6	2	4	32	17
21	2nd Deep Injection Well/WTP							-	
22	Well 3R Replacement	8	10	8	6	4	6	42	3
23	RO Upgrades/Electric Upgrades							-	
24	Floridan Well Field Generator							-	
25	Subaqueous Mains Stabilization	12	8	6	8	6	6	46	1
26	N 8th Street - Orange to Ave E							-	
27	Ave E WM Repl-N 10th to N 7th	10	8	8	6	6	2	40	5
28	Avenue B WM Repl-N 8th-N 7th	10	8	8	6	6	2	40	6
29	Avenue I & Loop to J WM Repl.	10	8	8	6	6	2	40	7
30	N 10th St WM Repl-Ave E-Ave L	10	8	8	6	6	2	40	8
31	Fra Mar MSBU	8	8	6	4	2	2	30	19
32	Savannah PS WM Addition	8	8	8	6	2	4	36	13
33	Fisherman's Wharf WM Rehab.	8	8	3	4	4	2	29	23

FORT PIERCE UTILITIES AUTHORITY
Capital Budget Request - Summary Sheet
FY 2018

Department Name: 66 - W/WW Engineering - Water

Proposed Funding Sources:	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total 5 Years FY 2018-22
Rates	1,824,000	1,601,500	1,392,750	1,396,000	1,399,250	7,613,500
Contribution-in-Aid	175,000	78,000	50,000	50,000	50,000	403,000
Capital Improvement Charges	1,326,202	804,353	1,233,318	4,522,406	326,558	8,212,837
State Revolving Fund Loan	1,449,000	-	-	-	-	1,449,000
<i>Total</i>	4,774,202	2,483,853	2,676,068	5,968,406	1,775,808	17,678,337

FORT PIERCE UTILITIES AUTHORITY
FY 2018 Capital Budget Request - Fixed Asset
66 - W/WW Engineering - Water

Fixed Asset Name: 1/2 Ton 4x4 Pickup Truck

Request #: FA - 1
Fixed Asset #: 639218003
Priority #: 14

Fixed Asset Description: 1/2 Ton 4x4 Extended Cap Inspector Pickup Truck

Justification for Purchase: Replace 1/2 ton vehicle with high mileage, poor mechanical and physical condition. Plan to replace with a 4 wheel drive vehicle that is used daily for inspecting FPUA Engineering projects. The new vehicle will provide better reliability and is more efficient to operate than the older style trucks.

Alternatives: Continue to drive and make repairs as needed which is not considered practical.

	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
Total Proposed Costs:	\$ 16,000	\$ 17,000	\$ -	\$ -	\$ -	\$ 33,000

Anticipated Purchase Date: 10/1/2017

Project Manager: 6490 - Valerie Schulte

Purchase Required By: Reliability

Class ID: 6392 - VEHICLES

FY 2018 COST BREAKDOWN			
Cost Estimate:	Quantity	Per Unit	Total Cost
Purchase Price	1	\$ 16,000	\$ 16,000
Delivery	-	-	-
Installation	-	-	-
Trade-In	-	-	-
Other	-	-	-
<i>Totals</i>			\$ 16,000

Areas:	
Scheduled Replacement	x
Replace Obsolete Equipment	x
Replace Worn Out Equipment	x
Reduce Personnel Time	
Expand Service	
Other	
New Operation	
Improve Operations	x

Quantity	
Replacements	1
Additions	-
<i>Total</i>	1

Proposed Funding Sources:	
Rates	\$ 16,000
Other (describe)	-
<i>Total</i>	\$ 16,000

ASSET(S) TO BE REPLACED					
FPUA Asset Number	Description/Serial Number	Mileage / Age	Asset Condition	FY 2016 Maint. Cost	Recommended Disposition
15-552	15-552	91000	Poor	\$500.00	Auction

FORT PIERCE UTILITIES AUTHORITY
FY 2018 Capital Budget Request - Project
66 - W/WW Engineering - Water

Project Title: Surficial Well Replacement

Request #: 1
Project #: 602
Priority #: 0
Project Type: BLKT

Description of Project: Replacement of a Surficial Aquifer Well.

Location: To Be Determined based on condition assessment.

Justification: Reduce reliance on old failing wells and ensure a firm capacity of the surficial well fields.

Alternatives: Postpone replacing old wells and accept high maintenance costs and diminishing surficial well field capacity which limits ability to utilize the lime softening water plant requiring utilization of the RO water plant with higher cost to produce water.

Describe any site preparation or removal of existing assets: Removal of existing well equipment, abandonment of vault and miscellaneous land clearing for replacement well.

Impact to operating income: Decreased operating expenses by reducing maintenance and improved pumping efficiency. Estimated at 10% of each well's pumping cost.

Anticipated start date: On-going

Anticipated completion date: On-going

Project Manager: 6490 - Valerie Schulte

Purchase Required By: Reliability

Contract Description	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
6314 - WELLS & SPRINGS (Source/Supply)	-	430,000	435,000	440,000	445,000	1,750,000
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
<i>Totals</i>	-	430,000	435,000	440,000	445,000	1,750,000

<i>Actual Amount Spent 10/1/16- 3/31/17</i>	-
<i>Inception through 9/30/16</i>	-
<i>Estimated Cost for FY 2017</i>	-
<i>Est. FY 2017 Budget Carryover</i>	-
<i>Estimated Total Through 9/30/17</i>	-

Proposed Funding Sources:	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
Rates	-	279,500	282,750	286,000	289,250	1,137,500
Contribution-in-Aid	-	-	-	-	-	-
Capital Improvement Charges	-	150,500	152,250	154,000	155,750	612,500
State Revolving Fund Loan	-	-	-	-	-	-
<i>Total</i>	-	430,000	435,000	440,000	445,000	1,750,000

FORT PIERCE UTILITIES AUTHORITY
FY 2018 Capital Budget Request - Project
66 - W/WW Engineering - Water

Project Title: Fire Hydrant New Installations

Request #: 2

Project #: 607

Priority #: 27

Project Type: BLKT

Description of Project: New fire hydrants to be designed in-house and installed by Unit Price Contractor.

Location: Service area in locations with inadequate fire hydrant coverage.

Justification: Hydrants are required within 500 feet of a residence.

Alternatives: Do nothing and accept less than adequate fire protection to areas served.

Describe any site preparation or removal of existing assets: None

Impact to operating income: Negligible increase by the additional fire hydrant assets to maintain.

Anticipated start date: On-going

Anticipated completion date: On-going

Project Manager: 6697 - Richard Mutterback

Purchase Required By: SLC Fire District

Contract Description	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
6348 - HYDRANTS (Water Distribution)	12,000	12,360	12,730	13,111	13,504	63,705
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
<i>Totals</i>	12,000	12,360	12,730	13,111	13,504	63,705

Actual Amount Spent 10/1/16- 3/31/17 4,750

<i>Inception through 9/30/16</i>	4,544
<i>Estimated Cost for FY 2017</i>	11,000
<i>Est. FY 2017 Budget Carryover</i>	-
<i>Estimated Total Through 9/30/17</i>	15,544

Proposed Funding Sources:	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
Rates	-	-	-	-	-	-
Contribution-in-Aid	-	-	-	-	-	-
Capital Improvement Charges	12,000	12,360	12,730	13,111	13,504	63,705
State Revolving Fund Loan	-	-	-	-	-	-
<i>Total</i>	12,000	12,360	12,730	13,111	13,504	63,705

FORT PIERCE UTILITIES AUTHORITY
FY 2018 Capital Budget Request - Project
66 - W/WW Engineering - Water

Project Title: New Construction-Mains

Request #: 3

Project #: 610

Priority #: 26

Project Type: BLKT

Description of Project: FPUA contribution to construction of water mains to serve new developments.

Location: Service area

Justification: Provide capacity for future growth.

Alternatives: Do nothing and accept the limitation in future capacity of the water distribution system and inability to provide adequate service to new developments.

Describe any site preparation or removal of existing assets: Site clearing and excavation for installation of mains.

Impact to operating income: Increase in revenues due to the extension of water mains to new developments. Amount is indeterminate since it is based on developer work.

Anticipated start date: On-going

Anticipated completion date: On-going

Project Manager: 6490 - Valerie Schulte

Purchase Required By: Growth

Contract Description	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
6343 - MAINS (Water Distribution)	39,702	41,493	43,338	45,295	47,304	217,132
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
<i>Totals</i>	39,702	41,493	43,338	45,295	47,304	217,132

Actual Amount Spent 10/1/16- 3/31/17 -

<i>Inception through 9/30/16</i>	-
<i>Estimated Cost for FY 2017</i>	-
<i>Est. FY 2017 Budget Carryover</i>	-
<i>Estimated Total Through 9/30/17</i>	-

Proposed Funding Sources:	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
Rates	-	-	-	-	-	-
Contribution-in-Aid	-	-	-	-	-	-
Capital Improvement Charges	39,702	41,493	43,338	45,295	47,304	217,132
State Revolving Fund Loan	-	-	-	-	-	-
<i>Total</i>	39,702	41,493	43,338	45,295	47,304	217,132

FORT PIERCE UTILITIES AUTHORITY
FY 2018 Capital Budget Request - Project
66 - W/WW Engineering - Water

Project Title: New Construction-Custmr Funded

Request #: 4

Project #: 611

Priority #: 28

Project Type: BLKT

Description of Project: Customer contribution to construction of water mains to serve new developments.

Location: Service Area

Justification: Provide capacity for future growth.

Alternatives: Do nothing and accept the limitation in future capacity of the water distribution system and inability to provide adequate service to new developments.

Describe any site preparation or removal of existing assets: Site clearing and excavation for installation of mains.

Impact to operating income: Increase in revenues due to the extension of water mains to new developments. Amount is indeterminate since it is based on developer work.

Anticipated start date: On-going

Anticipated completion date: On-going

Project Manager: 6490 - Valerie Schulte

Purchase Required By: Growth

Contract Description	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
6343 - MAINS (Water Distribution)	50,000	50,000	50,000	50,000	50,000	250,000
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
<i>Totals</i>	50,000	50,000	50,000	50,000	50,000	250,000

Actual Amount Spent 10/1/16- 3/31/17 -

<i>Inception through 9/30/16</i>	-
<i>Estimated Cost for FY 2017</i>	-
<i>Est. FY 2017 Budget Carryover</i>	-
<i>Estimated Total Through 9/30/17</i>	-

Proposed Funding Sources:	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
Rates	-	-	-	-	-	-
Contribution-in-Aid	50,000	50,000	50,000	50,000	50,000	250,000
Capital Improvement Charges	-	-	-	-	-	-
State Revolving Fund Loan	-	-	-	-	-	-
<i>Total</i>	50,000	50,000	50,000	50,000	50,000	250,000

FORT PIERCE UTILITIES AUTHORITY
FY 2018 Capital Budget Request - Project
66 - W/WW Engineering - Water

Project Title: Water Mains Misc. R&R

Request #: 5
Project #: 617
Priority #: 2
Project Type: BLKT

Description of Project: Replace water mains, water services and fire hydrants.

Location: Service area

Justification: Replacement of failing water system components; reduce maintenance cost and improve system reliability.

Alternatives: Do nothing and accept high maintenance costs, poor quality of service, decreased reliability, risk of injury to the public, and high future replacement costs.

Describe any site preparation or removal of existing assets: Remove existing failing and/or damaged mains and services.

Impact to operating income: Capital expenses will be approximately 50% greater if work is done on an emergency versus planned basis. O & M expenses will be reduced but are not quantifiable.

Anticipated start date: On-going

Anticipated completion date: On-going

Project Manager: 6490 - Valerie Schulte

Purchase Required By: R&R

Contract Description	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
6343 - MAINS (Water Distribution)	9,000	900,000	500,000	900,000	900,000	3,209,000
6345 - SVC LINES & BACKFLOW PREV (Water Dist)	5,000	80,000	80,000	80,000	80,000	325,000
6348 - HYDRANTS (Water Distribution)	6,000	20,000	20,000	20,000	20,000	86,000
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
<i>Totals</i>	20,000	1,000,000	600,000	1,000,000	1,000,000	3,620,000

Actual Amount Spent 10/1/16- 3/31/17 -

<i>Inception through 9/30/16</i>	650
<i>Estimated Cost for FY 2017</i>	-
<i>Est. FY 2017 Budget Carryover</i>	-
<i>Estimated Total Through 9/30/17</i>	650

Proposed Funding Sources:	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
Rates	20,000	1,000,000	600,000	1,000,000	1,000,000	3,620,000
Contribution-in-Aid	-	-	-	-	-	-
Capital Improvement Charges	-	-	-	-	-	-
State Revolving Fund Loan	-	-	-	-	-	-
<i>Total</i>	20,000	1,000,000	600,000	1,000,000	1,000,000	3,620,000

FORT PIERCE UTILITIES AUTHORITY
FY 2018 Capital Budget Request - Project
66 - W/WW Engineering - Water

Project Title: Governmental & Other Required

Request #: 6

Project #: 620

Priority #: 25

Project Type: BLKT

Description of Project: Replacements and relocations associated with roadway projects.

Location: Service area

Justification: Relocate or replace as required by Right-of-Way Permits, age of existing infrastructure, and improve system reliability.

Alternatives: Do nothing and accept continued deterioration of water system components and violate conditions of Right-of-Way Permit.

Describe any site preparation or removal of existing assets: Remove existing failing and/or damaged mains and services.

Impact to operating income: Capital expenses will be approximately 50% greater if work is done on an emergency versus planned basis. O & M expenses will be reduced but are not quantifiable.

Anticipated start date: On-going

Anticipated completion date: On-going

Project Manager: 6490 - Valerie Schulte

Purchase Required By: City of Fort Pierce

Contract Description	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
6343 - MAINS (Water Distribution)	20,000	80,000	80,000	80,000	80,000	340,000
6345 - SVC LINES & BACKFLOW PREV (Water Dist)	5,000	20,000	20,000	20,000	20,000	85,000
6348 - HYDRANTS (Water Distribution)	10,000	10,000	10,000	10,000	10,000	50,000
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
<i>Totals</i>	35,000	110,000	110,000	110,000	110,000	475,000

Actual Amount Spent 10/1/16- 3/31/17 -

<i>Inception through 9/30/16</i>	-
<i>Estimated Cost for FY 2017</i>	-
<i>Est. FY 2017 Budget Carryover</i>	-
<i>Estimated Total Through 9/30/17</i>	-

Proposed Funding Sources:	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
Rates	35,000	110,000	110,000	110,000	110,000	475,000
Contribution-in-Aid	-	-	-	-	-	-
Capital Improvement Charges	-	-	-	-	-	-
State Revolving Fund Loan	-	-	-	-	-	-
<i>Total</i>	35,000	110,000	110,000	110,000	110,000	475,000

FORT PIERCE UTILITIES AUTHORITY
FY 2018 Capital Budget Request - Project
66 - W/WW Engineering - Water

Project Title: Water Main Looping

Request #: 7
Project #: 625
Priority #: 0
Project Type: STD

Description of Project: Water facilities to improve water quality, enhance fire protection, improve reliability and increase customer base.

Location: Various system locations

Justification: Improvements to the water system benefit all customers and will reduce the number of affected customers during shut downs and reduces flushing at dead end mains.

Alternatives: Do nothing and continue to expend manpower to flush dead end mains and have areas with deficient fire flow availability.

Describe any site preparation or removal of existing assets: Site clearing and excavation for installment of mains.

Impact to operating income: Decrease flushing expenses. Increase in revenues due to water mains which can service new customers. Amount is indeterminate as it is a property owner decision to connect.

Anticipated start date: On-going

Anticipated completion date: On-going

Project Manager: 6490 - Valerie Schulte

Purchase Required By: Growth

Contract Description	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
6343 - MAINS (Water Distribution)	-	100,000	100,000	100,000	100,000	400,000
6348 - HYDRANTS (Water Distribution)	-	10,000	10,000	10,000	10,000	40,000
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
<i>Totals</i>	-	110,000	110,000	110,000	110,000	440,000

<i>Actual Amount Spent 10/1/16- 3/31/17</i>	-
<i>Inception through 9/30/16</i>	-
<i>Estimated Cost for FY 2017</i>	-
<i>Est. FY 2017 Budget Carryover</i>	-
<i>Estimated Total Through 9/30/17</i>	-

Proposed Funding Sources:	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
Rates	-	-	-	-	-	-
Contribution-in-Aid	-	-	-	-	-	-
Capital Improvement Charges	-	110,000	110,000	110,000	110,000	440,000
State Revolving Fund Loan	-	-	-	-	-	-
<i>Total</i>	-	110,000	110,000	110,000	110,000	440,000

FORT PIERCE UTILITIES AUTHORITY
FY 2018 Capital Budget Request - Project
66 - W/WW Engineering - Water

Project Title: 7th Street - 10th - Wendell

Request #: 8

Project #: 630

Priority #: 20

Project Type: STD

Description of Project: Adjustment of water mains, services and hydrants due to storm drain and roadway work.

Location: 7th Street - 10th Street - Wendell Road

Justification: Adjustment of water mains, services and hydrants due to storm drain and roadway work.

Alternatives: None. Work is required by Right of Way permit.

Describe any site preparation or removal of existing assets: Asphalt removal where mains are removed that require adjustment.

Impact to operating income: No impact

Anticipated start date: 10/1/2016

Anticipated completion date: 9/30/2018

Project Manager: 6697 - Richard Mutterback

Purchase Required By: City of Fort Pierce

Contract Description	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
6343 - MAINS (Water Distribution)	13,000	-	-	-	-	13,000
6345 - SVC LINES & BACKFLOW PREV (Water Dist)	2,000	-	-	-	-	2,000
6348 - HYDRANTS (Water Distribution)	5,000	-	-	-	-	5,000
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
<i>Totals</i>	20,000	-	-	-	-	20,000

Actual Amount Spent 10/1/16- 3/31/17 -

<i>Inception through 9/30/16</i>	-
<i>Estimated Cost for FY 2017</i>	5,000
<i>Est. FY 2017 Budget Carryover</i>	-
<i>Estimated Total Through 9/30/17</i>	5,000

Proposed Funding Sources:	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
Rates	20,000	-	-	-	-	20,000
Contribution-in-Aid	-	-	-	-	-	-
Capital Improvement Charges	-	-	-	-	-	-
State Revolving Fund Loan	-	-	-	-	-	-
<i>Total</i>	20,000	-	-	-	-	20,000

FORT PIERCE UTILITIES AUTHORITY
FY 2018 Capital Budget Request - Project
66 - W/WW Engineering - Water

Project Title: San Lucie WM Replacements

Request #: 9
Project #: 633
Priority #: 22
Project Type: STD

Description of Project: Replacement of water mains due to conflict with County proposed drainage facilities.

Location: Cherokee Street between Hugo Road and St. Lucie Blvd.

Justification: Required by Right-of-Way Permit.

Alternatives: Do nothing and violate conditions of Right-of-Way Permit.

Describe any site preparation or removal of existing assets: Remove existing asphalt and mains in conflict.

Impact to operating income: Capital expenses will be approximately 50% greater if work is done on an emergency versus planned basis. O & M expenses will be reduced but are not quantifiable.

Anticipated start date: 5/8/2015

Anticipated completion date: 9/30/2018

Project Manager: 6490 - Valerie Schulte

Purchase Required By: St. Lucie County

Contract Description	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
6343 - MAINS (Water Distribution)	50,000	-	-	-	-	50,000
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
<i>Totals</i>	50,000	-	-	-	-	50,000

Actual Amount Spent 10/1/16- 3/31/17 -

<i>Inception through 9/30/16</i>	4,835
<i>Estimated Cost for FY 2017</i>	5,000
<i>Est. FY 2017 Budget Carryover</i>	-
<i>Estimated Total Through 9/30/17</i>	9,835

Proposed Funding Sources:	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
Rates	50,000	-	-	-	-	50,000
Contribution-in-Aid	-	-	-	-	-	-
Capital Improvement Charges	-	-	-	-	-	-
State Revolving Fund Loan	-	-	-	-	-	-
<i>Total</i>	50,000	-	-	-	-	50,000

FORT PIERCE UTILITIES AUTHORITY
FY 2018 Capital Budget Request - Project
66 - W/WW Engineering - Water

Project Title: 17th St - Orange Ave to Ave D

Request #: 10
Project #: 635
Priority #: 9
Project Type: STD

Description of Project: Replace water mains, water services and fire hydrants.

Location: 17th Street - Orange Avenue to Avenue D

Justification: Replacement of failing water system components; reduce maintenance cost and improve system reliability.

Alternatives: Do nothing and accept high maintenance costs, poor quality of service, decreased reliability, risk of injury to the public, and high future replacement costs. Construction with City roadway project is cost effective.

Describe any site preparation or removal of existing assets: Remove existing asphalt, failing and/or damaged mains and services.

Impact to operating income: Capital expenses will be approximately 50% greater if work is done on a emergency versus planned basis.

Anticipated start date: 10/1/2015

Anticipated completion date: 9/30/2019

Project Manager: 6490 - Valerie Schulte

Purchase Required By: City of Fort Pierce

Contract Description	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
6343 - MAINS (Water Distribution)	100,000	122,000	-	-	-	222,000
6345 - SVC LINES & BACKFLOW PREV (Water Dist)	20,000	30,000	-	-	-	50,000
6348 - HYDRANTS (Water Distribution)	1,000	11,000	-	-	-	12,000
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
<i>Totals</i>	121,000	163,000	-	-	-	284,000

Actual Amount Spent 10/1/16- 3/31/17 522

<i>Inception through 9/30/16</i>	5,916
<i>Estimated Cost for FY 2017</i>	1,000
<i>Est. FY 2017 Budget Carryover</i>	-
<i>Estimated Total Through 9/30/17</i>	6,916

Proposed Funding Sources:	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
Rates	121,000	163,000	-	-	-	284,000
Contribution-in-Aid	-	-	-	-	-	-
Capital Improvement Charges	-	-	-	-	-	-
State Revolving Fund Loan	-	-	-	-	-	-
<i>Total</i>	121,000	163,000	-	-	-	284,000

FORT PIERCE UTILITIES AUTHORITY
FY 2018 Capital Budget Request - Project
66 - W/WW Engineering - Water

Project Title: Ave M - 25th to 13th

Request #: 11

Project #: 642

Priority #: 10

Project Type: STD

Description of Project: Replace water mains, water services and fire hydrants using State revolving loan funding.

Location: Avenue M from 25th Street to 13th Street

Justification: Replacement of failing water system components; reduce maintenance cost and improve system reliability.

Alternatives: Do nothing and accept high maintenance costs, poor quality of service, decreased reliability, risk of injury to the public, and high future replacement costs.

Describe any site preparation or removal of existing assets: Remove existing asphalt, failing and/or damaged mains and services.

Impact to operating income: Capital expenses will be approximately 50% greater if work is done on a emergency versus planned basis.

Anticipated start date: 10/1/2016

Anticipated completion date: 9/30/2018

Project Manager: 6338 - James Carnes

Purchase Required By: R&R

Contract Description	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
6343 - MAINS (Water Distribution)	619,000	-	-	-	-	619,000
6345 - SVC LINES & BACKFLOW PREV (Water Dist)	70,000	-	-	-	-	70,000
6348 - HYDRANTS (Water Distribution)	15,000	-	-	-	-	15,000
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
<i>Totals</i>	704,000	-	-	-	-	704,000

Actual Amount Spent 10/1/16- 3/31/17 311

<i>Inception through 9/30/16</i>	-
<i>Estimated Cost for FY 2017</i>	15,000
<i>Est. FY 2017 Budget Carryover</i>	-
<i>Estimated Total Through 9/30/17</i>	15,000

Proposed Funding Sources:	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
Rates	-	-	-	-	-	-
Contribution-in-Aid	-	-	-	-	-	-
Capital Improvement Charges	-	-	-	-	-	-
State Revolving Fund Loan	704,000	-	-	-	-	704,000
<i>Total</i>	704,000	-	-	-	-	704,000

FORT PIERCE UTILITIES AUTHORITY
FY 2018 Capital Budget Request - Project
66 - W/WW Engineering - Water

Project Title: Ohio - Oleander to S US 1

Request #: 12
Project #: 644
Priority #: 11
Project Type: STD

Description of Project: Replacement of water mains, services and hydrants using State revolving loan funding.

Location: Ohio - Oleander Blvd to S US Highway 1

Justification: Replacement of failing water system components; reduce maintenance cost and improve system reliability.

Alternatives: Do nothing and accept high maintenance costs, poor quality of service, decreased reliability, risk of injury to the public, and high future replacement costs.

Describe any site preparation or removal of existing assets: Remove existing asphalt, failing and/or damaged mains and services.

Impact to operating income: Capital expenses will be approximately 50% greater if work is done on an emergency versus planned basis. O & M expenses will be reduced but are not quantifiable.

Anticipated start date: 10/1/2016

Anticipated completion date: 9/30/2018

Project Manager: 6490 - Valerie Schulte

Purchase Required By: R&R

Contract Description	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
6343 - MAINS (Water Distribution)	300,000	-	-	-	-	300,000
6345 - SVC LINES & BACKFLOW PREV (Water Dist)	25,000	-	-	-	-	25,000
6348 - HYDRANTS (Water Distribution)	15,000	-	-	-	-	15,000
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
<i>Totals</i>	340,000	-	-	-	-	340,000

Actual Amount Spent 10/1/16- 3/31/17 44

<i>Inception through 9/30/16</i>	-
<i>Estimated Cost for FY 2017</i>	15,000
<i>Est. FY 2017 Budget Carryover</i>	-
<i>Estimated Total Through 9/30/17</i>	15,000

Proposed Funding Sources:	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
Rates	-	-	-	-	-	-
Contribution-in-Aid	-	-	-	-	-	-
Capital Improvement Charges	-	-	-	-	-	-
State Revolving Fund Loan	340,000	-	-	-	-	340,000
<i>Total</i>	340,000	-	-	-	-	340,000

FORT PIERCE UTILITIES AUTHORITY
FY 2018 Capital Budget Request - Project
66 - W/WW Engineering - Water

Project Title: Avenue A - N 8th to N 7th

Request #: 13
Project #: 650
Priority #: 4
Project Type: STD

Description of Project: Replacement of water mains, services and hydrants.

Location: Avenue A - N. 8th Street to N. 7th Street.

Justification: Replacement of failing water system components; reduce maintenance cost and improve system reliability.

Alternatives: Do nothing and accept high maintenance costs, poor quality of service, decreased reliability, risk of injury to the public, and high future replacement costs.

Describe any site preparation or removal of existing assets: Remove existing failing and/or damaged mains and services.

Impact to operating income: Capital expenses will be approximately 50% greater if work is done on an emergency versus planned basis. O & M expenses will be reduced but are not quantifiable.

Anticipated start date: 10/1/2017

Anticipated completion date: 9/30/2018

Project Manager: 6338 - James Carnes

Purchase Required By: R&R

Contract Description	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
6343 - MAINS (Water Distribution)	55,000	-	-	-	-	55,000
6345 - SVC LINES & BACKFLOW PREV (Water Dist)	5,000	-	-	-	-	5,000
6348 - HYDRANTS (Water Distribution)	10,000	-	-	-	-	10,000
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
<i>Totals</i>	70,000	-	-	-	-	70,000

Actual Amount Spent 10/1/16- 3/31/17 203

<i>Inception through 9/30/16</i>	-
<i>Estimated Cost for FY 2017</i>	2,000
<i>Est. FY 2017 Budget Carryover</i>	-
<i>Estimated Total Through 9/30/17</i>	2,000

Proposed Funding Sources:	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
Rates	70,000	-	-	-	-	70,000
Contribution-in-Aid	-	-	-	-	-	-
Capital Improvement Charges	-	-	-	-	-	-
<i>Total</i>	70,000	-	-	-	-	70,000

FORT PIERCE UTILITIES AUTHORITY
FY 2018 Capital Budget Request - Project
66 - W/WW Engineering - Water

Project Title: Sea Winds 12-in WM

Request #: 14
Project #: 653
Priority #: 15
Project Type: STD

Description of Project: Install 510 lf of 12-inch water main south of Miramar condominiums.

Location: 10044 South Ocean Drive along Sea Winds condominiums property frontage.

Justification: Customer funded water main will increase customer base by connection of 384 condominiums (Ocean Towers, Island Village and Sea Winds).

Alternatives: Do nothing. This is not recommended due to increased revenues and water quality improvements by adding customers.

Describe any site preparation or removal of existing assets: Clearing and grubbing to install new main.

Impact to operating income: Revenues will increase by approximately \$6,000 per month.

Anticipated start date: 10/1/2016

Anticipated completion date: 9/30/2018

Project Manager: 6490 - Valerie Schulte

Purchase Required By: Growth

Contract Description	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
6343 - MAINS (Water Distribution)	175,000	-	-	-	-	175,000
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
<i>Totals</i>	175,000	-	-	-	-	175,000

Actual Amount Spent 10/1/16- 3/31/17 6,265

<i>Inception through 9/30/16</i>	5,771
<i>Estimated Cost for FY 2017</i>	10,000
<i>Est. FY 2017 Budget Carryover</i>	-
<i>Estimated Total Through 9/30/17</i>	15,771

Proposed Funding Sources:	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
Rates	-	-	-	-	-	-
Contribution-in-Aid	-	-	-	-	-	-
Capital Improvement Charges	175,000	-	-	-	-	175,000
State Revolving Fund Loan	-	-	-	-	-	-
<i>Total</i>	175,000	-	-	-	-	175,000

FORT PIERCE UTILITIES AUTHORITY
FY 2018 Capital Budget Request - Project
66 - W/WW Engineering - Water

Project Title: US Hwy 1 - Midway to Edwards

Request #: 15

Project #: 658

Priority #: 21

Project Type: STD

Description of Project: Water facilities improvements and adjustments associated with FDOT roadway project.

Location: South US 1 between Edwards Road and Midway Road.

Justification: Required by FDOT Right-of-Way Permit.

Alternatives: Do nothing and violate conditions of FDOT Right-of-Way Permit.

Describe any site preparation or removal of existing assets: Remove, relocate, or abandon in-place water facility components which conflict with FDOT drainage design.

Impact to operating income: Capital expenses will be approximately 50% greater if work is done on an emergency versus planned basis. O & M expenses will be reduced but are not quantifiable.

Anticipated start date: 10/1/2015

Anticipated completion date: 9/30/2018

Project Manager: 6490 - Valerie Schulte

Purchase Required By: FDOT

Contract Description	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
6343 - MAINS (Water Distribution)	46,000	-	-	-	-	46,000
6345 - SVC LINES & BACKFLOW PREV (Water Dist)	2,000	-	-	-	-	2,000
6348 - HYDRANTS (Water Distribution)	5,000	-	-	-	-	5,000
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
<i>Totals</i>	53,000	-	-	-	-	53,000

Actual Amount Spent 10/1/16- 3/31/17 5,220

<i>Inception through 9/30/16</i>	-
<i>Estimated Cost for FY 2017</i>	110,000
<i>Est. FY 2017 Budget Carryover</i>	67,000
<i>Estimated Total Through 9/30/17</i>	177,000

Proposed Funding Sources:	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
Rates	53,000	-	-	-	-	53,000
Contribution-in-Aid	-	-	-	-	-	-
Capital Improvement Charges	-	-	-	-	-	-
State Revolving Fund Loan	-	-	-	-	-	-
<i>Total</i>	53,000	-	-	-	-	53,000

FORT PIERCE UTILITIES AUTHORITY
FY 2018 Capital Budget Request - Project
66 - W/WW Engineering - Water

Project Title: Fra Mar MSBU

Request #: 16

Project #: 663

Priority #: 19

Project Type: STD

Description of Project: Installation of water mains, water services and fire hydrants on Fra Mar and Wagner.

Location: Fra Mar and Wagner Place between Oleander and 7th Street.

Justification: County MSBU to bring municipal water to existing homeowners.

Alternatives: Do not participate in MSBU.

Describe any site preparation or removal of existing assets: Clearing and grubbing for water main installation.

Impact to operating income: New customers will increase annual revenue by approximately \$25,000 per year.

Anticipated start date: 10/1/2015

Anticipated completion date: 9/30/2018

Project Manager: 6338 - James Carnes

Purchase Required By: St. Lucie County

Contract Description	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
6343 - MAINS (Water Distribution)	96,000	-	-	-	-	96,000
6345 - SVC LINES & BACKFLOW PREV (Water Dist)	5,000	-	-	-	-	5,000
6348 - HYDRANTS (Water Distribution)	5,000	-	-	-	-	5,000
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
<i>Totals</i>	106,000	-	-	-	-	106,000

Actual Amount Spent 10/1/16- 3/31/17 3,665

<i>Inception through 9/30/16</i>	8,579
<i>Estimated Cost for FY 2017</i>	180,000
<i>Est. FY 2017 Budget Carryover</i>	46,000
<i>Estimated Total Through 9/30/17</i>	234,579

Proposed Funding Sources:	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
Rates	-	-	-	-	-	-
Contribution-in-Aid	30,000	-	-	-	-	30,000
Capital Improvement Charges	76,000	-	-	-	-	76,000
State Revolving Fund Loan	-	-	-	-	-	-
<i>Total</i>	106,000	-	-	-	-	106,000

FORT PIERCE UTILITIES AUTHORITY
FY 2018 Capital Budget Request - Project
66 - W/WW Engineering - Water

Project Title: Selvitz Road Water Main

Request #: 17

Project #: 664

Priority #: 18

Project Type: STD

Description of Project: Installation of new water main to complete a loop on Jenkins Road to bolster southwest service area.

Location: Selvitz Road North of Midway Road

Justification: Provide capacity for future growth.

Alternatives: Do nothing and accept the limitation in future capacity of the water distribution system and inability to provide adequate service to new developments.

Describe any site preparation or removal of existing assets: Site clearing and excavation for installation of mains.

Impact to operating income: Decrease flushing expenses. Increase in annual revenue is estimated at \$8,000 if all adjacent property owners connect.

Anticipated start date: 10/1/2012

Anticipated completion date: 9/30/2018

Project Manager: 6697 - Richard Mutterback

Purchase Required By: Growth

Contract Description	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
6343 - MAINS (Water Distribution)	20,000	-	-	-	-	20,000
6345 - SVC LINES & BACKFLOW PREV (Water Dist)	5,000	-	-	-	-	5,000
6348 - HYDRANTS (Water Distribution)	5,000	-	-	-	-	5,000
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
<i>Totals</i>	30,000	-	-	-	-	30,000

Actual Amount Spent 10/1/16- 3/31/17 53

<i>Inception through 9/30/16</i>	39,549
<i>Estimated Cost for FY 2017</i>	150,000
<i>Est. FY 2017 Budget Carryover</i>	100,000
<i>Estimated Total Through 9/30/17</i>	289,549

Proposed Funding Sources:	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
Rates	-	-	-	-	-	-
Contribution-in-Aid	-	-	-	-	-	-
Capital Improvement Charges	30,000	-	-	-	-	30,000
State Revolving Fund Loan	-	-	-	-	-	-
<i>Total</i>	30,000	-	-	-	-	30,000

FORT PIERCE UTILITIES AUTHORITY
FY 2018 Capital Budget Request - Project
66 - W/WW Engineering - Water

Project Title: Wendell - 8th to Chipolla

Request #: 18

Project #: 667

Priority #: 12

Project Type: STD

Description of Project: Replacement of water mains, services and hydrants using State revolving loan funding.

Location: Wendell - S 8th Street to Chipolla Boulevard

Justification: Replacement of failing water system components; reduce maintenance cost and improve system reliability.

Alternatives: Do nothing and accept high maintenance costs, poor quality of service, decreased reliability, risk of injury to the public, and high future replacement costs.

Describe any site preparation or removal of existing assets: Remove existing asphalt, failing and/or damaged mains and services.

Impact to operating income: Capital expenses will be approximately 50% greater if work is done on an emergency versus planned basis. O & M expenses will be reduced but are not quantifiable.

Anticipated start date: 10/1/2016

Anticipated completion date: 9/30/2018

Project Manager: 6697 - Richard Mutterback

Purchase Required By: R&R

Contract Description	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
6343 - MAINS (Water Distribution)	370,000	-	-	-	-	370,000
6345 - SVC LINES & BACKFLOW PREV (Water Dist)	20,000	-	-	-	-	20,000
6348 - HYDRANTS (Water Distribution)	15,000	-	-	-	-	15,000
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
<i>Totals</i>	405,000	-	-	-	-	405,000

Actual Amount Spent 10/1/16- 3/31/17 44

<i>Inception through 9/30/16</i>	-
<i>Estimated Cost for FY 2017</i>	15,000
<i>Est. FY 2017 Budget Carryover</i>	-
<i>Estimated Total Through 9/30/17</i>	15,000

Proposed Funding Sources:	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
Rates	-	-	-	-	-	-
Contribution-in-Aid	-	-	-	-	-	-
Capital Improvement Charges	-	-	-	-	-	-
State Revolving Fund Loan	405,000	-	-	-	-	405,000
<i>Total</i>	405,000	-	-	-	-	405,000

FORT PIERCE UTILITIES AUTHORITY
FY 2018 Capital Budget Request - Project
66 - W/WW Engineering - Water

Project Title: Midway Road - US 1 to 25th St.

Request #: 19

Project #: 684

Priority #: 24

Project Type: STD

Description of Project: Utility improvements and adjustments associated with County roadway project.

Location: Midway Road - US 1 to 25th Street

Justification: Required by County Right-of-Way Permit.

Alternatives: Do nothing and violate conditions of County Right-of-Way Permit.

Describe any site preparation or removal of existing assets: Remove existing facilities which conflict with roadway design.

Impact to operating income: Capital expenses will be approximately 50% greater if work is done on an emergency versus planned basis. O & M expenses will be reduced but are not quantifiable.

Anticipated start date: 10/1/2012

Anticipated completion date: 9/30/2019

Project Manager: 6697 - Richard Mutterback

Purchase Required By: FDOT

Contract Description	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
6343 - MAINS (Water Distribution)	288,000	40,000	-	-	-	328,000
6345 - SVC LINES & BACKFLOW PREV (Water Dist)	10,000		-	-	-	10,000
6348 - HYDRANTS (Water Distribution)	6,000		-	-	-	6,000
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
<i>Totals</i>	304,000	40,000	-	-	-	344,000

Actual Amount Spent 10/1/16- 3/31/17 665

<i>Inception through 9/30/16</i>	10,623
<i>Estimated Cost for FY 2017</i>	320,000
<i>Est. FY 2017 Budget Carryover</i>	-
<i>Estimated Total Through 9/30/17</i>	330,623

Proposed Funding Sources:	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
Rates	269,000	32,000	-	-	-	301,000
Contribution-in-Aid	35,000	8,000	-	-	-	43,000
Capital Improvement Charges	-	-	-	-	-	-
State Revolving Fund Loan	-	-	-	-	-	-
<i>Total</i>	304,000	40,000	-	-	-	344,000

FORT PIERCE UTILITIES AUTHORITY
FY 2018 Capital Budget Request - Project
66 - W/WW Engineering - Water

Project Title: Midway Road- Elm Ave to 25th

Request #: 20

Project #: 686

Priority #: 16

Project Type: STD

Description of Project: Installation of approximately 3,750 lf of 12 inch water main from Elm Ave to 25th Street including a portion attached to the N. St. Lucie River crossing bridge structure.

Location: Midway Road - Elm Avenue to 25th Street

Justification: To improve hydraulic capacity in the southwest portion of our service area per the Master Plan. This is a major water main loop.

Alternatives: Do nothing and accept limitations to new growth/customer base.

Describe any site preparation or removal of existing assets: Site clearing and grubbing.

Impact to operating income: Ultimately will increase revenue by ability to serve new customers.

Anticipated start date: 10/1/2016

Anticipated completion date: 9/30/2019

Project Manager: 6697 - Richard Mutterback

Purchase Required By: Growth

Contract Description	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
6343 - MAINS (Water Distribution)	509,000	40,000	-	-	-	549,000
6345 - SVC LINES & BACKFLOW PREV (Water Dist)	8,000		-	-	-	8,000
6348 - HYDRANTS (Water Distribution)	19,000		-	-	-	19,000
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
<i>Totals</i>	536,000	40,000	-	-	-	576,000

Actual Amount Spent 10/1/16- 3/31/17 8,720

<i>Inception through 9/30/16</i>	16,696
<i>Estimated Cost for FY 2017</i>	362,000
<i>Est. FY 2017 Budget Carryover</i>	100,000
<i>Estimated Total Through 9/30/17</i>	478,696

Proposed Funding Sources:	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
Rates	-	-	-	-	-	-
Contribution-in-Aid	-	-	-	-	-	-
Capital Improvement Charges	536,000	40,000	-	-	-	576,000
State Revolving Fund Loan	-	-	-	-	-	-
<i>Total</i>	536,000	40,000	-	-	-	576,000

FORT PIERCE UTILITIES AUTHORITY
FY 2018 Capital Budget Request - Project
66 - W/WW Engineering - Water

Project Title: Kings Hwy-Okee Rd to Orange Av

Request #: 21

Project #: 690

Priority #: 17

Project Type: STD

Description of Project: Installation of 12-inch water main master planned facility and adjustment of existing main.

Location: Kings Highway from Okeechobee Road to Orange Avenue.

Justification: Adjustments are FDOT funded, new main will improve hydraulic capacity of NW portion of service territory.

Alternatives: Do nothing. This is a master planned facility and is cost effective to install during or before roadway construction to eliminate restoration costs.

Describe any site preparation or removal of existing assets: Clearing and grubbing water main route.

Impact to operating income: Will reduce flushing on dead end main and reduce O & M costs for maintaining flushing devices.

Anticipated start date: 10/1/2016

Anticipated completion date: 9/30/2019

Project Manager: 6338 - James Carnes

Purchase Required By: FDOT

Contract Description	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
6343 - MAINS (Water Distribution)	310,000	350,000	-	-	-	660,000
6345 - SVC LINES & BACKFLOW PREV (Water Dist)	20,000	30,000	-	-	-	50,000
6348 - HYDRANTS (Water Distribution)	40,000	40,000	-	-	-	80,000
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
<i>Totals</i>	370,000	420,000	-	-	-	790,000

Actual Amount Spent 10/1/16- 3/31/17 787

<i>Inception through 9/30/16</i>	-
<i>Estimated Cost for FY 2017</i>	1,000
<i>Est. FY 2017 Budget Carryover</i>	-
<i>Estimated Total Through 9/30/17</i>	1,000

Proposed Funding Sources:	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
Rates	10,000	-	-	-	-	10,000
Contribution-in-Aid	60,000	20,000	-	-	-	80,000
Capital Improvement Charges	300,000	400,000	-	-	-	700,000
State Revolving Fund Loan	-	-	-	-	-	-
<i>Total</i>	370,000	420,000	-	-	-	790,000

FORT PIERCE UTILITIES AUTHORITY
FY 2018 Capital Budget Request - Project
66 - W/WW Engineering - Water

Project Title: 2nd Deep Injection Well/WTP

Request #: 22

Project #: 694

Priority #: 0

Project Type: STD

Description of Project: 2nd Deep Injection well for RO brine disposal at Water Treatment Plant.

Location: Water Treatment Plant.

Justification: Required to increase firm capacity of RO plant and provide backup during MITs.

Alternatives: Do nothing and accept lower plant capacity.

Describe any site preparation or removal of existing assets: General site clearing for construction and trench excavation for pipeline connections.

Impact to operating income: Net increase if more capacity is available for water sales.

Anticipated start date: 10/1/2015

Anticipated completion date: 9/30/2021

Project Manager: 6490 - Valerie Schulte

Purchase Required By: Growth

Contract Description	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
6333 - DEEP INJECTION WELL (Water Trtmt Plant)	-		100,000	4,200,000	-	4,300,000
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
<i>Totals</i>	-	-	100,000	4,200,000	-	4,300,000

Actual Amount Spent 10/1/16- 3/31/17 -

<i>Inception through 9/30/16</i>	93,824
<i>Estimated Cost for FY 2017</i>	-
<i>Est. FY 2017 Budget Carryover</i>	-
<i>Estimated Total Through 9/30/17</i>	93,824

Proposed Funding Sources:	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
Rates	-	-	-	-	-	-
Contribution-in-Aid	-	-	-	-	-	-
Capital Improvement Charges	-		100,000	4,200,000	-	4,300,000
State Revolving Fund Loan	-	-	-	-	-	-
<i>Total</i>	-	-	100,000	4,200,000	-	4,300,000

FORT PIERCE UTILITIES AUTHORITY
FY 2018 Capital Budget Request - Project
66 - W/WW Engineering - Water

Project Title: Well 3R Replacement

Request #: 23
Project #: 698
Priority #: 3
Project Type: STD

Description of Project: Replacement Well

Location: On S. 29th Street near Georgia Canal

Justification: Reduce reliance on old failing wells and ensure a firm capacity of the surficial well field.

Alternatives: Postpone replacing the failed well and accept diminished surficial well field capacity which limits ability to utilize the lime softening water plant requiring utilization of the RO water plant with higher operating costs.

Describe any site preparation or removal of existing assets: Removal of existing well vault and equipment and minimal land clearing.

Impact to operating income: Decreased operating expenses by reducing maintenance and improved pumping efficiency. Estimated at 10% of each well's pumping cost.

Anticipated start date: 10/1/2017

Anticipated completion date: 9/30/2018

Project Manager: 6490 - Valerie Schulte

Purchase Required By: Reliability

Contract Description	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
6314 - WELLS & SPRINGS (Source/Supply)	435,000	-	-	-	-	435,000
6330 - LAND & RIGHTS (Water Trtmt Plant)	15,000	-	-	-	-	15,000
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
<i>Totals</i>	450,000	-	-	-	-	450,000

Actual Amount Spent 10/1/16- 3/31/17 -

<i>Inception through 9/30/16</i>	-
<i>Estimated Cost for FY 2017</i>	-
<i>Est. FY 2017 Budget Carryover</i>	-
<i>Estimated Total Through 9/30/17</i>	-

Proposed Funding Sources:	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
Rates	292,500	-	-	-	-	292,500
Contribution-in-Aid	-	-	-	-	-	-
Capital Improvement Charges	157,500	-	-	-	-	157,500
State Revolving Fund Loan	-	-	-	-	-	-
<i>Total</i>	450,000	-	-	-	-	450,000

FORT PIERCE UTILITIES AUTHORITY
FY 2018 Capital Budget Request - Project
66 - W/WW Engineering - Water

Project Title: RO Upgrades/Electric Upgrades

Request #: 24

Project #: _____

Priority #: 0

Project Type: STD

Description of Project: Improvements at WTP to obtain 10.3 mg RO capacity and upgrade backup power.

Location: Water Treatment Plant.

Justification: Capacity required to meet future demands.

Alternatives: Construct additional surficial wells; however, SFWMD will not allow.

Describe any site preparation or removal of existing assets: Removal of existing generators and some electric wiring.

Impact to operating income: Reduced maintenance costs.

Anticipated start date: 6/1/2017

Anticipated completion date: 9/30/2020

Project Manager: 6338 - James Carnes

Purchase Required By: Growth

Contract Description	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
6325 - ELEC PUMPING EQUIP (Source/Supply)	-	-	315,000		-	315,000
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
<i>Totals</i>	-	-	315,000	-	-	315,000

Actual Amount Spent 10/1/16- 3/31/17 -

<i>Inception through 9/30/16</i>	48,640
<i>Estimated Cost for FY 2017</i>	170,000
<i>Est. FY 2017 Budget Carryover</i>	-
<i>Estimated Total Through 9/30/17</i>	218,640

Proposed Funding Sources:	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
Rates	-	-	-	-	-	-
Contribution-in-Aid	-	-	-	-	-	-
Capital Improvement Charges	-	-	315,000		-	315,000
State Revolving Fund Loan	-	-	-	-	-	-
<i>Total</i>	-	-	315,000	-	-	315,000

FORT PIERCE UTILITIES AUTHORITY
FY 2018 Capital Budget Request - Project
66 - W/WW Engineering - Water

Project Title: Floridan Well Field Generator

Request #: 25

Project #: _____

Priority #: 0

Project Type: STD

Description of Project: Construct building, purchase and install stationary generator for backup power to Floridan well field.

Location: Near Floridan wells - location TBD

Justification: To meet water demands during power outages.

Alternatives: Rely on mobile generators during storm events.

Describe any site preparation or removal of existing assets: Clearing and grubbing site.

Impact to operating income: Reduced labor costs

Anticipated start date: 10/1/2019

Anticipated completion date: 9/30/2020

Project Manager: 6338 - James Carnes

Purchase Required By: Reliability

Contract Description	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
6322 - PUMPING PLANT EQUIPMENT (Source/Supply)	-	50,000	500,000	-	-	550,000
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
<i>Totals</i>	-	50,000	500,000	-	-	550,000

Actual Amount Spent 10/1/16- 3/31/17 -

<i>Inception through 9/30/16</i>	-
<i>Estimated Cost for FY 2017</i>	-
<i>Est. FY 2017 Budget Carryover</i>	-
<i>Estimated Total Through 9/30/17</i>	-

Proposed Funding Sources:	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
Rates	-	-	-	-	-	-
Contribution-in-Aid	-	-	-	-	-	-
Capital Improvement Charges	-	50,000	500,000	-	-	550,000
State Revolving Fund Loan	-	-	-	-	-	-
<i>Total</i>	-	50,000	500,000	-	-	550,000

FORT PIERCE UTILITIES AUTHORITY
FY 2018 Capital Budget Request - Project
66 - W/WW Engineering - Water

Project Title: Subaqueous Mains Stabilization

Request #: 26

Project #: 909

Priority #: 1

Project Type: STD

Description of Project: Provide protection over existing water mains that cross under the Indian River lagoon.

Location: Between mainland and South Hutchinson and North Hutchinson Islands.

Justification: Critical facilities need to be protected to prevent damage. Protection will extend the life of the pipelines

Alternatives: Bore new pipelines by horizontal directional drilling under lagoon sea bed.

Describe any site preparation or removal of existing assets: None

Impact to operating income: Will prevent large O&M expense if underwater repair needs to occur and potential cost of environmental clean up.

Anticipated start date: 10/1/2017

Anticipated completion date: 9/30/2018

Project Manager: 6490 - Valerie Schulte

Purchase Required By: Reliability

Contract Description	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
6343 - MAINS (Water Distribution)	75,000	-	-	-	-	75,000
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
<i>Totals</i>	75,000	-	-	-	-	75,000

Actual Amount Spent 10/1/16- 3/31/17 37

<i>Inception through 9/30/16</i>	-
<i>Estimated Cost for FY 2017</i>	18,000
<i>Est. FY 2017 Budget Carryover</i>	-
<i>Estimated Total Through 9/30/17</i>	18,000

Proposed Funding Sources:	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
Rates	75,000	-	-	-	-	75,000
Contribution-in-Aid	-	-	-	-	-	-
Capital Improvement Charges	-	-	-	-	-	-
State Revolving Fund Loan	-	-	-	-	-	-
<i>Total</i>	75,000	-	-	-	-	75,000

FORT PIERCE UTILITIES AUTHORITY
FY 2018 Capital Budget Request - Project
66 - W/WW Engineering - Water

Project Title: N 8th Street - Orange to Ave E

Request #: 27

Project #: _____

Priority #: 0

Project Type: STD

Description of Project: Replacement of water mains, services and hydrants.

Location: N. 8th Street - Orange Avenue to Avenue E

Justification: Replacement of failing water system components; reduce maintenance cost and improve system reliability.

Alternatives: Do nothing and accept high maintenance costs, poor quality of service, decreased reliability, risk of injury to the public, and high future replacement costs.

Describe any site preparation or removal of existing assets: Remove existing failing and/or damaged mains and services.

Impact to operating income: Capital expenses will be approximately 50% greater if work is done on an emergency versus planned basis. O & M expenses will be reduced but are not quantifiable.

Anticipated start date: 10/1/2019

Anticipated completion date: 9/30/2020

Project Manager: 6490 - Valerie Schulte

Purchase Required By: R&R

Contract Description	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
6343 - MAINS (Water Distribution)	-	-	300,000	-	-	300,000
6345 - SVC LINES & BACKFLOW PREV (Water Dist)	-	-	60,000	-	-	60,000
6348 - HYDRANTS (Water Distribution)	-	-	40,000	-	-	40,000
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
<i>Totals</i>	-	-	400,000	-	-	400,000

Actual Amount Spent 10/1/16- 3/31/17 -

<i>Inception through 9/30/16</i>	-
<i>Estimated Cost for FY 2017</i>	-
<i>Est. FY 2017 Budget Carryover</i>	-
<i>Estimated Total Through 9/30/17</i>	-

Proposed Funding Sources:	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
Rates	-	-	400,000	-	-	400,000
Contribution-in-Aid	-	-	-	-	-	-
Capital Improvement Charges	-	-	-	-	-	-
State Revolving Fund Loan	-	-	-	-	-	-
<i>Total</i>	-	-	400,000	-	-	400,000

FORT PIERCE UTILITIES AUTHORITY
FY 2018 Capital Budget Request - Project
66 - W/WW Engineering - Water

Project Title: Ave E WM Repl-N 10th to N 7th

Request #: 28
Project #: 643
Priority #: 5
Project Type: STD

Description of Project: Replace water mains, water services and fire hydrants.

Location: Avenue E - N 10th to N 7th

Justification: Replacement of failing water system components; reduce maintenance cost and improve system reliability.

Alternatives: Do nothing and accept high maintenance costs, poor quality of service, decreased reliability, risk of injury to the public, and high future replacement costs.

Describe any site preparation or removal of existing assets: Remove existing asphalt, failing and/or damaged mains and services.

Impact to operating income: Capital expenses will be approximately 50% greater if work is done on an emergency versus planned basis.

Anticipated start date: 10/1/2017

Anticipated completion date: 9/30/2018

Project Manager: 6697 - Richard Mutterback

Purchase Required By: R&R

Contract Description	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
6343 - MAINS (Water Distribution)	105,500	-	-	-	-	105,500
6345 - SVC LINES & BACKFLOW PREV (Water Dist)	50,000	-	-	-	-	50,000
6348 - HYDRANTS (Water Distribution)	20,000	-	-	-	-	20,000
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
<i>Totals</i>	175,500	-	-	-	-	175,500

Actual Amount Spent 10/1/16- 3/31/17 -

<i>Inception through 9/30/16</i>	-
<i>Estimated Cost for FY 2017</i>	-
<i>Est. FY 2017 Budget Carryover</i>	-
<i>Estimated Total Through 9/30/17</i>	-

Proposed Funding Sources:	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
Rates	175,500	-	-	-	-	175,500
Contribution-in-Aid	-	-	-	-	-	-
Capital Improvement Charges	-	-	-	-	-	-
State Revolving Fund Loan	-	-	-	-	-	-
<i>Total</i>	175,500	-	-	-	-	175,500

FORT PIERCE UTILITIES AUTHORITY
FY 2018 Capital Budget Request - Project
66 - W/WW Engineering - Water

Project Title: Avenue B WM Repl-N 8th-N 7th

Request #: 29
Project #: 646
Priority #: 6
Project Type: STD

Description of Project: Replace water mains, water services and fire hydrants.

Location: Avenue B - N 8th to N 7th

Justification: Replacement of failing water system components; reduce maintenance cost and improve system reliability.

Alternatives: Do nothing and accept high maintenance costs, poor quality of service, decreased reliability, risk of injury to the public, and high future replacement costs.

Describe any site preparation or removal of existing assets: Remove existing asphalt, failing and/or damaged mains and services.

Impact to operating income: Capital expenses will be approximately 50% greater if work is done on an emergency versus planned basis.

Anticipated start date: 10/1/2017

Anticipated completion date: 9/30/2018

Project Manager: 6697 - Richard Mutterback

Purchase Required By: R&R

Contract Description	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
6343 - MAINS (Water Distribution)	52,500	-	-	-	-	52,500
6345 - SVC LINES & BACKFLOW PREV (Water Dist)	5,000	-	-	-	-	5,000
6348 - HYDRANTS (Water Distribution)	10,000	-	-	-	-	10,000
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
<i>Totals</i>	67,500	-	-	-	-	67,500

Actual Amount Spent 10/1/16- 3/31/17 -

<i>Inception through 9/30/16</i>	-
<i>Estimated Cost for FY 2017</i>	-
<i>Est. FY 2017 Budget Carryover</i>	-
<i>Estimated Total Through 9/30/17</i>	-

Proposed Funding Sources:	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
Rates	67,500	-	-	-	-	67,500
Contribution-in-Aid	-	-	-	-	-	-
Capital Improvement Charges	-	-	-	-	-	-
State Revolving Fund Loan	-	-	-	-	-	-
<i>Total</i>	67,500	-	-	-	-	67,500

FORT PIERCE UTILITIES AUTHORITY
FY 2018 Capital Budget Request - Project
66 - W/WW Engineering - Water

Project Title: Avenue I & Loop to J WM Repl.

Request #: 30
Project #: 672
Priority #: 7
Project Type: STD

Description of Project: Replace water mains, water services and fire hydrants.

Location: Avenue I - N 10 to N 7th

Justification: Replacement of failing water system components; reduce maintenance cost and improve system reliability.

Alternatives: Do nothing and accept high maintenance costs, poor quality of service, decreased reliability, risk of injury to the public, and high future replacement costs.

Describe any site preparation or removal of existing assets: Remove existing asphalt, failing and/or damaged mains and services.

Impact to operating income: Capital expenses will be approximately 50% greater if work is done on an emergency versus planned basis.

Anticipated start date: 10/1/2017

Anticipated completion date: 9/30/2018

Project Manager: 6697 - Richard Mutterback

Purchase Required By: R&R

Contract Description	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
6343 - MAINS (Water Distribution)	104,000	-	-	-	-	104,000
6345 - SVC LINES & BACKFLOW PREV (Water Dist)	45,000	-	-	-	-	45,000
6348 - HYDRANTS (Water Distribution)	20,000	-	-	-	-	20,000
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
<i>Totals</i>	169,000	-	-	-	-	169,000

Actual Amount Spent 10/1/16- 3/31/17 -

<i>Inception through 9/30/16</i>	-
<i>Estimated Cost for FY 2017</i>	-
<i>Est. FY 2017 Budget Carryover</i>	-
<i>Estimated Total Through 9/30/17</i>	-

Proposed Funding Sources:	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
Rates	169,000	-	-	-	-	169,000
Contribution-in-Aid	-	-	-	-	-	-
Capital Improvement Charges	-	-	-	-	-	-
State Revolving Fund Loan	-	-	-	-	-	-
<i>Total</i>	169,000	-	-	-	-	169,000

FORT PIERCE UTILITIES AUTHORITY
FY 2018 Capital Budget Request - Project
66 - W/WW Engineering - Water

Project Title: N 10th St WM Repl-Ave E-Ave L

Request #: 31
Project #: 681
Priority #: 8
Project Type: STD

Description of Project: Replace water mains, water services and fire hydrants.

Location: N 10th Street - Avenue E to Avenue L

Justification: Replacement of failing water system components; reduce maintenance cost and improve system reliability.

Alternatives: Do nothing and accept high maintenance costs, poor quality of service, decreased reliability, risk of injury to the public, and high future replacement costs.

Describe any site preparation or removal of existing assets: Remove existing asphalt, failing and/or damaged mains and services.

Impact to operating income: Capital expenses will be approximately 50% greater if work is done on an emergency versus planned basis.

Anticipated start date: 10/1/2017

Anticipated completion date: 9/30/2018

Project Manager: 6490 - Valerie Schulte

Purchase Required By: R&R

Contract Description	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
6343 - MAINS (Water Distribution)	205,500	-	-	-	-	205,500
6345 - SVC LINES & BACKFLOW PREV (Water Dist)	65,000	-	-	-	-	65,000
6346 - METERS (Water Distribution)	40,000	-	-	-	-	40,000
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
<i>Totals</i>	310,500	-	-	-	-	310,500

Actual Amount Spent 10/1/16- 3/31/17 -

<i>Inception through 9/30/16</i>	-
<i>Estimated Cost for FY 2017</i>	-
<i>Est. FY 2017 Budget Carryover</i>	-
<i>Estimated Total Through 9/30/17</i>	-

Proposed Funding Sources:	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
Rates	310,500	-	-	-	-	310,500
Contribution-in-Aid	-	-	-	-	-	-
Capital Improvement Charges	-	-	-	-	-	-
State Revolving Fund Loan	-	-	-	-	-	-
<i>Total</i>	310,500	-	-	-	-	310,500

FORT PIERCE UTILITIES AUTHORITY
FY 2018 Capital Budget Request - Project
66 - W/WW Engineering - Water

Project Title: Savannah PS WM Addition

Request #: 32

Project #: 682

Priority #: 13

Project Type: STD

Description of Project: Install 12-inch Water Main

Location: Savannah Pump Station

Justification: Improve water quality and hydraulics by isolating inlet and outlet water mains.

Alternatives: Continue with short circuiting water flow.

Describe any site preparation or removal of existing assets: Remove existing asphalt and concrete.

Impact to operating income: Decreased O&M expenses due to better hydraulics but not measurable.

Anticipated start date: 10/1/2017

Anticipated completion date: 9/30/2018

Project Manager: 6697 - Richard Mutterback

Purchase Required By: Reliability

Contract Description	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
6343 - MAINS (Water Distribution)	50,000	-	-	-	-	50,000
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
<i>Totals</i>	50,000	-	-	-	-	50,000

Actual Amount Spent 10/1/16- 3/31/17 -

<i>Inception through 9/30/16</i>	-
<i>Estimated Cost for FY 2017</i>	-
<i>Est. FY 2017 Budget Carryover</i>	-
<i>Estimated Total Through 9/30/17</i>	-

Proposed Funding Sources:	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
Rates	50,000	-	-	-	-	50,000
Contribution-in-Aid	-	-	-	-	-	-
Capital Improvement Charges	-	-	-	-	-	-
State Revolving Fund Loan	-	-	-	-	-	-
<i>Total</i>	50,000	-	-	-	-	50,000

FORT PIERCE UTILITIES AUTHORITY
FY 2018 Capital Budget Request - Project
66 - W/WW Engineering - Water

Project Title: Fisherman's Wharf WM Rehab.

Request #: 33
Project #: 695
Priority #: 23
Project Type: STD

Description of Project: Utility adjustments associated with roadway project.

Location: Indian River Drive east towards lagoon.

Justification: Required by City Of Fort Pierce ROW Permit.

Alternatives: Do nothing and violate conditions of Right-of-Way Permit.

Describe any site preparation or removal of existing assets: Remove existing facilities which conflict with roadway design.

Impact to operating income: Capital expenses will be approximately 50% greater if work is done on an emergency versus planned basis. O & M expenses will be reduced but are not quantifiable.

Anticipated start date: 10/1/2017

Anticipated completion date: 9/30/2018

Project Manager: 6490 - Valerie Schulte

Purchase Required By: St. Lucie County

Contract Description	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
6343 - MAINS (Water Distribution)	20,000	-	-	-	-	20,000
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
<i>Totals</i>	20,000	-	-	-	-	20,000

<i>Actual Amount Spent 10/1/16- 3/31/17</i>	-
<i>Inception through 9/30/16</i>	-
<i>Estimated Cost for FY 2017</i>	5,000
<i>Est. FY 2017 Budget Carryover</i>	-
<i>Estimated Total Through 9/30/17</i>	5,000

Proposed Funding Sources:	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
Rates	20,000	-	-	-	-	20,000
Contribution-in-Aid	-	-	-	-	-	-
Capital Improvement Charges	-	-	-	-	-	-
State Revolving Fund Loan	-	-	-	-	-	-
<i>Total</i>	20,000	-	-	-	-	20,000

FORT PIERCE UTILITIES AUTHORITY
Capital Budget Request - Summary Sheet
FY 2018

Department Name: 56 - Electric & Gas Engineering - Gas

Request Number	Project Title or Asset Name	Projected Costs						
		Est. Total Through 9/30/2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total 5 Years FY 2018-22
1	Kings Hwy-Okee Rd to Angle Rd	15,000	170,000	10,000	-	-	-	180,000
2	SCADA Monitoring	50,000	35,000	-	-	-	-	35,000
3	17th St - Orange Ave to Ave D	-	10,000	-	-	-	-	10,000
4	US HWY 1 - Midway to Edwards	128,276	115,000	-	-	-	-	115,000
5	13th St - Virginia to Ave Q	23,000	10,000	10,000	-	-	-	20,000
6	Midway Road - US Hwy 1 to 25th	45,000	10,000	5,000	-	-	-	15,000
7	2nd St-Seaway to Taylor Creek	186,463	7,500	-	-	-	-	7,500
8	Paradise Park	35,595	6,500	-	-	-	-	6,500
Total		483,334	364,000	25,000	-	-	-	389,000

Request Number	Project Title or Asset Name	Priority Rating Area							
		I	II	III	IV	V	VI	Total Points	Dept. Head Rating
1	Kings Hwy-Okee Rd to Angle Rd	8	6	3	6	4	4	31	2
2	SCADA Monitoring	8	8	6	6	4	6	38	1
3	17th St - Orange Ave to Ave D	8	6	3	6	4	2	29	8
4	US HWY 1 - Midway to Edwards	8	6	3	6	4	4	31	3
5	13th St - Virginia to Ave Q	8	6	3	6	4	4	31	6
6	Midway Road - US Hwy 1 to 25th	8	6	3	4	4	2	27	5
7	2nd St-Seaway to Taylor Creek	8	6	3	6	4	4	31	7
8	Paradise Park	8	6	3	6	4	4	31	4

Proposed Funding Sources:	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total 5 Years FY 2018-22
Rates	364,000	25,000	-	-	-	389,000
Contribution-in-Aid	-	-	-	-	-	-
Capital Improvement Charges	-	-	-	-	-	-
Total	364,000	25,000	-	-	-	389,000

FORT PIERCE UTILITIES AUTHORITY
FY 2018 Capital Budget Request - Project
56 - Electric & Gas Engineering - Gas

Project Title: Kings Hwy-Okee Rd to Angle Rd

Request #: 1

Project #: 726

Priority #: 2

Project Type: STD

Description of Project: Reconstruction of Kings Hwy - Relocate gas mains to accommodate roadway construction

Location: Kings Hwy from Okeechobee Road to Angle Road

Justification: FDOT Roadway Improvement Project.

Alternatives: None, these relocations are forced on FPUA by FDOT, which has jurisdiction over the right of way.

Describe any site preparation or removal of existing assets: Adjust or remove existing gas main and other equipment

Impact to operating income: None

Anticipated start date: 10/1/2016

Anticipated completion date: 9/30/2019

Project Manager: 6238 - Jason Mittler

Purchase Required By: FDOT

Contract Description	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
7376 - MAINS (Gas Distribution)	150,000	10,000	-	-	-	160,000
7380 - SERVICE LINES (Gas Distribution)	20,000	-	-	-	-	20,000
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
<i>Totals</i>	170,000	10,000	-	-	-	180,000

<i>Actual Amount Spent 10/1/16- 3/31/17</i>	-
<i>Inception through 9/30/16</i>	-
<i>Estimated Cost for FY 2017</i>	10,000
<i>Est. FY 2017 Budget Carryover</i>	5,000
<i>Estimated Total Through 9/30/17</i>	15,000

Proposed Funding Sources:	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
Rates	170,000	10,000				180,000
Contribution-in-Aid	-	-	-	-	-	-
Capital Improvement Charges	-	-	-	-	-	-
<i>Total</i>	170,000	10,000	-	-	-	180,000

FORT PIERCE UTILITIES AUTHORITY
FY 2018 Capital Budget Request - Project
56 - Electric & Gas Engineering - Gas

Project Title: SCADA Monitoring

Request #: 2

Project #: 734

Priority #: 1

Project Type: STD

Description of Project: Installation of remote pressure and temperature monitoring devices throughout the system

Location: Service Territory

Justification: This is part of long term planning for monitoring of the system to provide digital data collection of the system and its condition.

Alternatives: Continue to monitor using paper charts. This is not recommended based on recent history of events.

Describe any site preparation or removal of existing assets: None

Impact to operating income: None

Anticipated start date: 10/1/2016

Anticipated completion date: 9/30/2018

Project Manager: 6127 - Javier Cisneros

Purchase Required By: Reliability

Contract Description	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
7385 - INDUS MEAS & REGULATING EQUIP (Gas Dist)	35,000	-	-	-	-	35,000
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
<i>Totals</i>	35,000	-	-	-	-	35,000

<i>Actual Amount Spent 10/1/16- 3/31/17</i>	3,498
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<i>Inception through 9/30/16</i>	-
<i>Estimated Cost for FY 2017</i>	30,000
<i>Est. FY 2017 Budget Carryover</i>	20,000
<i>Estimated Total Through 9/30/17</i>	50,000

Proposed Funding Sources:	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
Rates	35,000	-	-	-	-	35,000
Contribution-in-Aid	-	-	-	-	-	-
Capital Improvement Charges	-	-	-	-	-	-
<i>Total</i>	35,000	-	-	-	-	35,000

FORT PIERCE UTILITIES AUTHORITY
FY 2018 Capital Budget Request - Project
56 - Electric & Gas Engineering - Gas

Project Title: 17th St - Orange Ave to Ave D

Request #: 3

Project #: 735

Priority #: 8

Project Type: STD

Description of Project: Reconstruction of 17th St - relocate or reconstruct gas main to accommodate roadway construction.

Location: 17th Street - Orange Ave to Ave D

Justification: City Roadway Improvement project.

Alternatives: None, these relocations are forced on FPUA by City, which has jurisdiction over the right of way.

Describe any site preparation or removal of existing assets: Adjust or remove existing gas main and other equipment

Impact to operating income: None

Anticipated start date: 10/1/2016

Anticipated completion date: 9/30/2018

Project Manager: 5982 - Paul Laguerre

Purchase Required By: City of Fort Pierce

Contract Description	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
7376 - MAINS (Gas Distribution)	7,500	-	-	-	-	7,500
7380 - SERVICE LINES (Gas Distribution)	2,500	-	-	-	-	2,500
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
<i>Totals</i>	10,000	-	-	-	-	10,000

<i>Actual Amount Spent 10/1/16- 3/31/17</i>	-
<i>Inception through 9/30/16</i>	-
<i>Estimated Cost for FY 2017</i>	-
<i>Est. FY 2017 Budget Carryover</i>	-
<i>Estimated Total Through 9/30/17</i>	-

Proposed Funding Sources:	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
Rates	10,000					10,000
Contribution-in-Aid	-	-	-	-	-	-
Capital Improvement Charges	-	-	-	-	-	-
<i>Total</i>	10,000	-	-	-	-	10,000

FORT PIERCE UTILITIES AUTHORITY
FY 2018 Capital Budget Request - Project
56 - Electric & Gas Engineering - Gas

Project Title: US HWY 1 - Midway to Edwards

Request #: 4

Project #: 758

Priority #: 3

Project Type: STD

Description of Project: Relocate gas main along US Hwy 1 to accommodate roadway construction.

Location: US Hwy 1 - Midway Rd to Edwards Rd

Justification: FDOT Roadway Improvement Project

Alternatives: None, these relocations are forced on FPUA by FDOT, which has jurisdiction over the right of way.

Describe any site preparation or removal of existing assets: Adjust or remove existing gas main and other equipment

Impact to operating income: None

Anticipated start date: 10/1/2016

Anticipated completion date: 9/30/2018

Project Manager: 6238 - Jason Mittler

Purchase Required By: FDOT

Contract Description	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
7376 - MAINS (Gas Distribution)	90,000		-	-	-	90,000
7380 - SERVICE LINES (Gas Distribution)	25,000		-	-	-	25,000
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
<i>Totals</i>	115,000	-	-	-	-	115,000

Actual Amount Spent 10/1/16- 3/31/17 471

<i>Inception through 9/30/16</i>	3,276
<i>Estimated Cost for FY 2017</i>	100,000
<i>Est. FY 2017 Budget Carryover</i>	25,000
<i>Estimated Total Through 9/30/17</i>	128,276

Proposed Funding Sources:	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
Rates	115,000		-	-	-	115,000
Contribution-in-Aid	-	-	-	-	-	-
Capital Improvement Charges	-	-	-	-	-	-
<i>Total</i>	115,000	-	-	-	-	115,000

FORT PIERCE UTILITIES AUTHORITY
FY 2018 Capital Budget Request - Project
56 - Electric & Gas Engineering - Gas

Project Title: 13th St - Virginia to Ave Q

Request #: 5

Project #: 780

Priority #: 6

Project Type: STD

Description of Project: Reconstruction of 13th Street - Major conversion from overhead to underground services. This is the first year of a multi-year project.

Location: 13th Street from Virginia Ave to Ave Q

Justification: City of Fort Pierce Roadway Improvement Project.

Alternatives: None, these relocations are forced on FPUA by City, which has jurisdiction over the right of way.

Describe any site preparation or removal of existing assets: Adjust or remove existing gas main and other equipment

Impact to operating income: None

Anticipated start date: 10/1/2016

Anticipated completion date: 9/30/2019

Project Manager: 5982 - Paul Laguerre

Purchase Required By: City of Fort Pierce

Contract Description	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
7376 - MAINS (Gas Distribution)	7,500	7,500	-	-	-	15,000
7380 - SERVICE LINES (Gas Distribution)	2,500	2,500	-	-	-	5,000
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
<i>Totals</i>	10,000	10,000	-	-	-	20,000

<i>Actual Amount Spent 10/1/16- 3/31/17</i>	-
<i>Inception through 9/30/16</i>	-
<i>Estimated Cost for FY 2017</i>	23,000
<i>Est. FY 2017 Budget Carryover</i>	-
<i>Estimated Total Through 9/30/17</i>	23,000

Proposed Funding Sources:	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
Rates	10,000	10,000	-	-	-	20,000
Contribution-in-Aid	-	-	-	-	-	-
Capital Improvement Charges	-	-	-	-	-	-
<i>Total</i>	10,000	10,000	-	-	-	20,000

FORT PIERCE UTILITIES AUTHORITY
FY 2018 Capital Budget Request - Project
56 - Electric & Gas Engineering - Gas

Project Title: Midway Road - US Hwy 1 to 25th

Request #: 6

Project #: 784

Priority #: 5

Project Type: STD

Description of Project: Reconstruction of Midway Road - relocate gas main to accommodate roadway construction

Location: Midway Road between US Hwy 1 and 25th Street

Justification: FDOT Roadway Improvement Project.

Alternatives: None, these relocations are forced on FPUA by FDOT, which has jurisdiction over the right of way.

Describe any site preparation or removal of existing assets: Adjust or remove existing gas main and other equipment

Impact to operating income: None

Anticipated start date: 10/1/2016

Anticipated completion date: 9/30/2019

Project Manager: 6238 - Jason Mittler

Purchase Required By: FDOT

Contract Description	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
7376 - MAINS (Gas Distribution)	10,000	5,000	-	-	-	15,000
7380 - SERVICE LINES (Gas Distribution)	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
<i>Totals</i>	10,000	5,000	-	-	-	15,000

<i>Actual Amount Spent 10/1/16- 3/31/17</i>	39,449
<i>Inception through 9/30/16</i>	-
<i>Estimated Cost for FY 2017</i>	45,000
<i>Est. FY 2017 Budget Carryover</i>	-
<i>Estimated Total Through 9/30/17</i>	45,000

Proposed Funding Sources:	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
Rates	10,000	5,000	-	-	-	15,000
Contribution-in-Aid	-	-	-	-	-	-
Capital Improvement Charges	-	-	-	-	-	-
<i>Total</i>	10,000	5,000	-	-	-	15,000

FORT PIERCE UTILITIES AUTHORITY
FY 2018 Capital Budget Request - Project
56 - Electric & Gas Engineering - Gas

Project Title: 2nd St-Seaway to Taylor Creek

Request #: 7
Project #: 787
Priority #: 7
Project Type: STD

Description of Project: Reconstruction of 2nd street -Major relocation of gas main

Location: 2nd Street from Seaway Drive to Taylor Creek

Justification: St. Lucie County Roadway Improvement Project. Project contingent upon contribution for relocation of gas main

Alternatives: None, these relocations are forced on FPUA by FDOT, which has jurisdiction over the right of way.

Describe any site preparation or removal of existing assets: Adjust or remove existing gas main and other equipment

Impact to operating income: None

Anticipated start date: 10/1/2016

Anticipated completion date: 9/30/2018

Project Manager: 5982 - Paul Laguerre

Purchase Required By: St. Lucie County

Contract Description	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
7376 - MAINS (Gas Distribution)	7,500	-	-	-	-	7,500
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
<i>Totals</i>	7,500	-	-	-	-	7,500

<i>Actual Amount Spent 10/1/16- 3/31/17</i>	46,146
<i>Inception through 9/30/16</i>	116,463
<i>Estimated Cost for FY 2017</i>	70,000
<i>Est. FY 2017 Budget Carryover</i>	-
<i>Estimated Total Through 9/30/17</i>	186,463

Proposed Funding Sources:	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
Rates	7,500	-	-	-	-	7,500
Contribution-in-Aid	-	-	-	-	-	-
Capital Improvement Charges	-	-	-	-	-	-
<i>Total</i>	7,500	-	-	-	-	7,500

FORT PIERCE UTILITIES AUTHORITY
FY 2018 Capital Budget Request - Project
56 - Electric & Gas Engineering - Gas

Project Title: Paradise Park

Request #: 8

Project #: 791

Priority #: 4

Project Type: STD

Description of Project: Relocate or adjust gas main to accommodate drainag improvements

Location: South of Juanita Ave between 25th St and US 1 Hwy

Justification: St Lucie County Drainage Improvement Project

Alternatives: None, these relocations are forced on FPUA by County, which has jurisdiction over the right of way.

Describe any site preparation or removal of existing assets: Adjust or remove existing gas main and other equipment

Impact to operating income: None

Anticipated start date: 10/1/2014

Anticipated completion date: 9/30/2018

Project Manager: 5982 - Paul Laguerre

Purchase Required By: St. Lucie County

Contract Description	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
7376 - MAINS (Gas Distribution)	5,000	-	-	-	-	5,000
7380 - SERVICE LINES (Gas Distribution)	1,500	-	-	-	-	1,500
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
<i>Totals</i>	6,500	-	-	-	-	6,500

<i>Actual Amount Spent 10/1/16- 3/31/17</i>	27,968
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<i>Inception through 9/30/16</i>	1,595
<i>Estimated Cost for FY 2017</i>	34,000
<i>Est. FY 2017 Budget Carryover</i>	-
<i>Estimated Total Through 9/30/17</i>	35,595

Proposed Funding Sources:	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
Rates	6,500	-	-	-	-	6,500
Contribution-in-Aid	-	-	-	-	-	-
Capital Improvement Charges	-	-	-	-	-	-
<i>Total</i>	6,500	-	-	-	-	6,500

FORT PIERCE UTILITIES AUTHORITY
Capital Budget Request - Summary Sheet
FY 2018

Department Name: 74 - Gas Operations

Request Number	Project Title or Asset Name	Projected Costs						
		Est. Total Through 9/30/2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total 5 Years FY 2018-22
FA-1	3/4 Ton Pickup Truck	-	50,000	50,000	50,000	50,000	50,000	250,000
FA-2	Tractor Loader Backhoe	-	24,000	-	-	-	-	24,000
FA-3	CNG Filling Station	-	150,000	-	-	-	-	150,000
1	Gas System Renewals	31,324	17,000	17,500	18,000	18,500	19,000	90,000
2	Gas System-New Revenue	187,145	104,000	107,000	110,000	113,000	116,000	550,000
3	Meter and Regulator Changeou	-	114,000	119,000	124,000	129,000	134,000	620,000
4	Excess Flow Valves (EFVs)	139,412	50,000	50,000	50,000	-	-	150,000
5	Customer Funded Projects	50,743	50,000	50,000	50,000	50,000	50,000	250,000
6	Government & Other Required	149,501	146,000	149,000	152,000	155,000	158,000	760,000
7	Valve Installation Program	-	25,000	25,000	25,000	-	-	75,000
Total		558,125	730,000	567,500	579,000	515,500	527,000	2,919,000

Request Number	Project Title or Asset Name	Priority Rating Area							
		I	II	III	IV	V	VI	Total Points	Dept. Head Rating
FA-1	3/4 Ton Pickup Truck	8	6	8	6	6	6	40	5
FA-2	Tractor Loader Backhoe	8	6	8	6	6	6	40	6
FA-3	CNG Filling Station	8	10	8	4	2	6	38	3
1	Gas System Renewals	10	10	6	6	4	6	42	2
2	Gas System-New Revenue	10	10	8	2	4	6	40	4
3	Meter and Regulator Changeou	10	10	6	6	4	6	42	1
4	Excess Flow Valves (EFVs)	8	8	3	4	4	6	33	10
5	Customer Funded Projects	8	6	6	6	4	4	34	7
6	Government & Other Required	10	10	8	2	4	6	40	9
7	Valve Installation Program	10	8	3	2	4	6	33	8

Proposed Funding Sources:	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total 5 Years FY 2018-22
Rates	555,000	392,500	404,000	390,500	402,000	2,144,000
Contribution-in-Aid	175,000	175,000	175,000	125,000	125,000	775,000
Capital Improvement Charges	-	-	-	-	-	-
Total	730,000	567,500	579,000	515,500	527,000	2,919,000

FORT PIERCE UTILITIES AUTHORITY
FY 2018 Capital Budget Request - Fixed Asset
74 - Gas Operations

Request #: FA - 1
Fixed Asset #: 739218001
Priority #: 5

Fixed Asset Name: 3/4 Ton Pickup Truck

Fixed Asset Description: 3/4 Ton Pickup Truck

Justification for Purchase: Replacing Vehicle #16-524, a 2007 Ford F-250 ton Pickup which has experienced high maintenance costs (>\$13,000 over the last ten years) and has become unreliable. This is part of the normal vehicle replacement program. Budget reflects cost of natural gas vehicle which will be purchased if natural gas fueling station is available. If not, the vehicle purchase price will be ~\$8000 less.

Alternatives: Continue to pay for expensive repairs on the current truck

	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
Total Proposed Costs:	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 250,000

Anticipated Purchase Date: 10/1/2017

Project Manager: 6266 - Eric Winterstein

Purchase Required By: Reliability

Class ID: 7392 - VEHICLES

FY 2018 COST BREAKDOWN			
Cost Estimate:	Quantity	Per Unit	Total Cost
Purchase Price	1	\$ 50,000	\$ 50,000
Delivery	-	-	-
Installation	-	-	-
Trade-In	-	-	-
Other	-	-	-
<i>Totals</i>			\$ 50,000

Areas:	
Scheduled Replacement	x
Replace Obsolete Equipment	
Replace Worn Out Equipment	x
Reduce Personnel Time	
Expand Service	
Other	
New Operation	
Improve Operations	

Quantity	
Replacements	1
Additions	-
<i>Total</i>	1

Proposed Funding Sources:	
Rates	\$ 50,000
Other (describe)	-
<i>Total</i>	\$ 50,000

ASSET(S) TO BE REPLACED					
FPUA Asset Number	Description/Serial Number	Mileage / Age	Asset Condition	FY 2016 Maint. Cost	Recommended Disposition
16-524	F-250 Truck	66,000/10	Poor		Auction/Sale/Scrap/trade

FORT PIERCE UTILITIES AUTHORITY
FY 2018 Capital Budget Request - Fixed Asset
74 - Gas Operations

Request #: FA - 2
Fixed Asset #: 739218002
Priority #: 6

Fixed Asset Name: Tractor Loader Backhoe

Fixed Asset Description: Kubota model ALR9192/ALR9195R4 Tractor loader backhoe or equivalent

Justification for Purchase: Existing equipment is 13 years old and is undersized for our use and requires replacement. Over \$4,000 in repairs has been made to this piece of equipment over the last several years. Electric T & D will contribute half the cost for this equipment since it is used for ROW cutting. Purchase was postponed from last year.

Alternatives: Continue to pay for expensive repairs on the current piece of equipment

Total Proposed Costs:

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
\$ 24,000	\$ -	\$ -	\$ -	\$ -	\$ 24,000

Anticipated Purchase Date: 10/1/2017

Project Manager: 5819 - Craig Crawford

Purchase Required By: Reliability

Class ID: 7392 - VEHICLES

FY 2018 COST BREAKDOWN			
Cost Estimate:	Quantity	Per Unit	Total Cost
Purchase Price	1	\$ 24,000	\$ 24,000
Delivery	-	-	-
Installation	-	-	-
Trade-In	-	-	-
Other	-	-	-
<i>Totals</i>			\$ 24,000

Areas:	
Scheduled Replacement	x
Replace Obsolete Equipment	
Replace Worn Out Equipment	x
Reduce Personnel Time	
Expand Service	
Other	
New Operation	
Improve Operations	

Quantity	
Replacements	1
Additions	-
<i>Total</i>	1

Proposed Funding Sources:	
Rates	\$ 24,000
Other (describe)	-
<i>Total</i>	\$ 24,000

ASSET(S) TO BE REPLACED					
FPUA Asset Number	Description/Serial Number	Mileage / Age	Asset Condition	FY 2016 Maint. Cost	Recommended Disposition
49-506	Kubota Track Loader Backhoe	1130/13 years	Fair		Auction/Sale/Scrap

FORT PIERCE UTILITIES AUTHORITY
FY 2018 Capital Budget Request - Fixed Asset
74 - Gas Operations

Request #: FA - 3
Fixed Asset #: 737718003
Priority #: 3

Fixed Asset Name: CNG Filling Station

Fixed Asset Description: 9 scfm Bauer CNG Compressor, one 10,0000 storage bottle, one 4 hose time fill post, and high psi discharge dryer. (or equivalent)

Justification for Purchase: Our current fill station needs to be replaced. It is over ten years old and not currently operating. We have been unsuccessful in getting it repaired (no one can do it). The fill station has been used to fill boat cylinders. In the future the new fill station will fill boat cylinders and act as a fill/backup to fuel CNG vehicles

Alternatives:

Total Proposed Costs:

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
\$ 150,000	\$ -	\$ -	\$ -	\$ -	\$ 150,000

Anticipated Purchase Date: 10/1/2017

Project Manager: 5819 - Craig Crawford

Purchase Required By: Reliability

Class ID: 7377 - CNG FUEL STATION EQUIPMENT (Gas

FY 2018 COST BREAKDOWN			
Cost Estimate:	Quantity	Per Unit	Total Cost
Purchase Price	1	\$ 150,000	\$ 150,000
Delivery	-	-	-
Installation	-	-	-
Trade-In	-	-	-
Other	-	-	-
<i>Totals</i>			\$ 150,000

Areas:	
Scheduled Replacement	
Replace Obsolete Equipment	X
Replace Worn Out Equipment	X
Reduce Personnel Time	
Expand Service	
Other	X
New Operation	
Improve Operations	

Quantity	
Replacements	-
Additions	-
<i>Total</i>	-

Proposed Funding Sources:	
Rates	\$ 150,000
Other (describe)	-
<i>Total</i>	\$ 150,000

ASSET(S) TO BE REPLACED					
FPUA Asset Number	Description/Serial Number	Mileage / Age	Asset Condition	FY 2016 Maint. Cost	Recommended Disposition
Not Available		>10	Non-functioning		

FORT PIERCE UTILITIES AUTHORITY
FY 2018 Capital Budget Request - Project
74 - Gas Operations

Project Title: Gas System Renewals

Request #: 1
Project #: 704
Priority #: 2
Project Type: BLKT

Description of Project: Gas System Renewals-Service Lines

Location: Service Area

Justification: To cover the costs of renewal and replacement of old or damaged service lines

Alternatives: None-On-going effort to replace ex-tube service lines required by the PSC and provide gas service where service lines are damaged or in need of repair

Describe any site preparation or removal of existing assets:

Impact to operating income: Revenue neutral-Regulatory requirement

Anticipated start date: On-going

Anticipated completion date: On-going

Project Manager: 5819 - Craig Crawford

Purchase Required By: PSC

Contract Description	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
7380 - SERVICE LINES (Gas Distribution)	17,000	17,500	18,000	18,500	19,000	90,000
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
<i>Totals</i>	17,000	17,500	18,000	18,500	19,000	90,000

<i>Actual Amount Spent 10/1/16- 3/31/17</i>	67	<i>Inception through 9/30/16</i>	14,824
		<i>Estimated Cost for FY 2017</i>	16,500
		<i>Est. FY 2017 Budget Carryover</i>	-
		<i>Estimated Total Through 9/30/17</i>	31,324

Proposed Funding Sources:	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
Rates	17,000	17,500	18,000	18,500	19,000	90,000
Contribution-in-Aid	-	-	-	-	-	-
Capital Improvement Charges	-	-	-	-	-	-
<i>Total</i>	17,000	17,500	18,000	18,500	19,000	90,000

FORT PIERCE UTILITIES AUTHORITY
FY 2018 Capital Budget Request - Project
74 - Gas Operations

Project Title: Gas System-New Revenue

Request #: 2
Project #: 705
Priority #: 4
Project Type: BLKT

Description of Project: New Construction

Location: Service Area

Justification: Provide new service to new customers

Alternatives: Do not provide service to new customers

**Describe any site
preparation or removal of
existing assets:**

**Impact to operating
income:** Revenue positive-difficult to project based on number and type of new customer

Anticipated start date: On-going

Anticipated completion date: On-going

Project Manager: 5819 - Craig Crawford

Purchase Required By: Growth

Contract Description	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
7376 - MAINS (Gas Distribution)	44,500	46,000	47,500	49,000	50,500	237,500
7380 - SERVICE LINES (Gas Distribution)	43,500	45,000	46,500	48,000	49,500	232,500
7381 - METERS (Gas Distribution)	16,000	16,000	16,000	16,000	16,000	80,000
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
<i>Totals</i>	104,000	107,000	110,000	113,000	116,000	550,000

<i>Actual Amount Spent 10/1/16- 3/31/17</i>	50,690
<i>Inception through 9/30/16</i>	86,145
<i>Estimated Cost for FY 2017</i>	101,000
<i>Est. FY 2017 Budget Carryover</i>	-
<i>Estimated Total Through 9/30/17</i>	187,145

Proposed Funding Sources:	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
Rates	79,000	82,000	85,000	88,000	91,000	425,000
Contribution-in-Aid	25,000	25,000	25,000	25,000	25,000	125,000
Capital Improvement Charges	-	-	-	-	-	-
<i>Total</i>	104,000	107,000	110,000	113,000	116,000	550,000

FORT PIERCE UTILITIES AUTHORITY
FY 2018 Capital Budget Request - Project
74 - Gas Operations

Project Title: Meter and Regulator Changeouts

Request #: 3
Project #: 706
Priority #: 10
Project Type: BLKT

Description of Project: Normal change out of regulators and meters

Location: Service Area

Justification: Continue our program of changing old meters and regulators to provide reliable service and accurate measurement of used gas. As part of the Distribution Integrity Management Program, we need to accelerate replacement of old meters and regulators

Alternatives: Discontinue or reduce changeout program, resulting in higher maintenance, meter reading costs, reliability concerns and potential loss of revenue and safety concerns. There are potential regulatory issues as well

Describe any site preparation or removal of existing assets: Removal of old meters and regulators

Impact to operating income: Revenue neutral-impact to operating income-\$114,000. Regulatory requirement (DIMP)

Anticipated start date: On-going

Anticipated completion date: On-going

Project Manager: 5819 - Craig Crawford

Purchase Required By: PSC

Contract Description	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
7381 - METERS (Gas Distribution)	100,000	102,000	104,000	106,000	108,000	520,000
7383 - REGULATORS (Gas Distribution)	14,000	17,000	20,000	23,000	26,000	100,000
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
<i>Totals</i>	114,000	119,000	124,000	129,000	134,000	620,000

<i>Actual Amount Spent 10/1/16- 3/31/17</i>	16,395
<i>Inception through 9/30/16</i>	53,412
<i>Estimated Cost for FY 2017</i>	86,000
<i>Est. FY 2017 Budget Carryover</i>	-
<i>Estimated Total Through 9/30/17</i>	139,412

Proposed Funding Sources:	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
Rates	114,000	119,000	124,000	129,000	134,000	620,000
Contribution-in-Aid	-	-	-	-	-	-
Capital Improvement Charges	-	-	-	-	-	-
<i>Total</i>	114,000	119,000	124,000	129,000	134,000	620,000

FORT PIERCE UTILITIES AUTHORITY
FY 2018 Capital Budget Request - Project
74 - Gas Operations

Project Title: Excess Flow Valves (EFVs)

Request #: 4

Project #: 707

Priority #: 1

Project Type: BLKT

Description of Project: Based on recent regulatory changes, FPUA must offer our customers the option to install an EFV. The cost of installing the valves is the customer's responsibility, if they want one.

Location: Throughout our service area

Justification: Regulatory Requirement

Alternatives: None

Describe any site preparation or removal of existing assets: None

Impact to operating income: Revenue neutral-Cost neutral

Anticipated start date: 10/1/2018

Anticipated completion date: On-going

Project Manager: 5819 - Craig Crawford

Purchase Required By: PSC

Contract Description	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
7380 - SERVICE LINES (Gas Distribution)	50,000	50,000	50,000	-	-	150,000
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
<i>Totals</i>	50,000	50,000	50,000	-	-	150,000

<i>Actual Amount Spent 10/1/16- 3/31/17</i>	-
<i>Inception through 9/30/16</i>	-
<i>Estimated Cost for FY 2017</i>	-
<i>Est. FY 2017 Budget Carryover</i>	-
<i>Estimated Total Through 9/30/17</i>	-

Proposed Funding Sources:	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
Rates	-	-	-	-	-	-
Contribution-in-Aid	50,000	50,000	50,000	-	-	150,000
Capital Improvement Charges	-	-	-	-	-	-
<i>Total</i>	50,000	50,000	50,000	-	-	150,000

FORT PIERCE UTILITIES AUTHORITY
FY 2018 Capital Budget Request - Project
74 - Gas Operations

Project Title: Customer Funded Projects

Request #: 5

Project #: 710

Priority #: 7

Project Type: BLKT

Description of Project: Requests from customer for new/relocated services that are reimbursed by the customer

Location: Service Area

Justification: Customer Funded

Alternatives:

Describe any site preparation or removal of existing assets:

Impact to operating income: Revenue positive-Cost neutral

Anticipated start date: On-going

Anticipated completion date: On-going

Project Manager: 5819 - Craig Crawford

Purchase Required By: Growth

Contract Description	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
7376 - MAINS (Gas Distribution)	25,000	25,000	25,000	25,000	25,000	125,000
7380 - SERVICE LINES (Gas Distribution)	25,000	25,000	25,000	25,000	25,000	125,000
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
<i>Totals</i>	50,000	50,000	50,000	50,000	50,000	250,000

<i>Actual Amount Spent 10/1/16- 3/31/17</i>	1,111
<i>Inception through 9/30/16</i>	743
<i>Estimated Cost for FY 2017</i>	50,000
<i>Est. FY 2017 Budget Carryover</i>	-
<i>Estimated Total Through 9/30/17</i>	50,743

Proposed Funding Sources:	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
Rates	-	-	-	-	-	-
Contribution-in-Aid	50,000	50,000	50,000	50,000	50,000	250,000
Capital Improvement Charges	-	-	-	-	-	-
<i>Total</i>	50,000	50,000	50,000	50,000	50,000	250,000

FORT PIERCE UTILITIES AUTHORITY
FY 2018 Capital Budget Request - Project
74 - Gas Operations

Project Title: Government & Other Required

Request #: 6

Project #: 720

Priority #: 9

Project Type: BLKT

Description of Project: Renewals, replacements, relocations plus new capacity improvements associated with roadway projects. Includes FDOT, City and County roadways.

Location: Various locations throughout the service area

Justification: To cover the costs of government and other gas distribution projects

Alternatives:

Describe any site preparation or removal of existing assets: Removal, replacement or relocation of failing, damaged mains and services

Impact to operating income: Revenue neutral-Cost \$146,000

Anticipated start date: On-going

Anticipated completion date: On-going

Project Manager: 5819 - Craig Crawford

Purchase Required By: City of Fort Pierce

Contract Description	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
7376 - MAINS (Gas Distribution)	123,000	125,000	127,000	129,000	131,000	635,000
7380 - SERVICE LINES (Gas Distribution)	23,000	24,000	25,000	26,000	27,000	125,000
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
<i>Totals</i>	146,000	149,000	152,000	155,000	158,000	760,000

<i>Actual Amount Spent 10/1/16- 3/31/17</i>	17,884
<i>Inception through 9/30/16</i>	6,501
<i>Estimated Cost for FY 2017</i>	143,000
<i>Est. FY 2017 Budget Carryover</i>	-
<i>Estimated Total Through 9/30/17</i>	149,501

Proposed Funding Sources:	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
Rates	96,000	99,000	102,000	105,000	108,000	510,000
Contribution-in-Aid	50,000	50,000	50,000	50,000	50,000	250,000
Capital Improvement Charges	-	-	-	-	-	-
<i>Total</i>	146,000	149,000	152,000	155,000	158,000	760,000

FORT PIERCE UTILITIES AUTHORITY
FY 2018 Capital Budget Request - Project
74 - Gas Operations

Project Title: Valve Installation Program

Request #: 7

Project #: 725

Priority #: 8

Project Type: STD

Description of Project: Based on the Low Pressure Incident of December 2015, Gas Operations is studying the system to determine where additional isolation valves may be installed to prevent widespread outages under emergency conditions. Additional isolation points in the system will be established and valves installed. The program should last less than three years.

Location: Natural Gas service area

Justification: System reliability

Alternatives:

Describe any site preparation or removal of existing assets:

Impact to operating income: Revenue neutral, cost \$25,000

Anticipated start date: On-going

Anticipated completion date: 9/1/2020

Project Manager: 5819 - Craig Crawford

Purchase Required By: Reliability

Contract Description	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
7376 - MAINS (Gas Distribution)	25,000	25,000	25,000	-	-	75,000
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
<i>Totals</i>	25,000	25,000	25,000	-	-	75,000

<i>Actual Amount Spent 10/1/16- 3/31/17</i>	-
<i>Inception through 9/30/16</i>	-
<i>Estimated Cost for FY 2017</i>	-
<i>Est. FY 2017 Budget Carryover</i>	-
<i>Estimated Total Through 9/30/17</i>	-

Proposed Funding Sources:	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
Rates	25,000	25,000	25,000	-	-	75,000
Contribution-in-Aid	-	-	-	-	-	-
Capital Improvement Charges	-	-	-	-	-	-
<i>Total</i>	25,000	25,000	25,000	-	-	75,000

FORT PIERCE UTILITIES AUTHORITY
Capital Budget Request - Summary Sheet
FY 2018

Department Name: 66 - W/WW Engineering - Wastewater

Request Number	Project Title or Asset Name	Projected Costs						
		Est. Total Through 9/30/2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total 5 Years FY 2018-22
FA-1	1/2 Ton 4x4 Pickup Truck	-	16,000	17,000	-	-	-	33,000
1	New Construction-Mains	-	40,000	41,493	43,338	45,239	47,198	217,268
2	New Construction-Custmr Funded	-	50,000	50,000	50,000	50,000	50,000	250,000
3	Wastewater Mains Misc. R&R	1,000	400,000	900,000	900,000	900,000	900,000	4,000,000
4	Government & Other Required	-	50,000	200,000	200,000	200,000	200,000	850,000
5	7th Street - 10th - Wendell	150,000	30,000	-	-	-	-	30,000
6	LS E Pump/Electric Upgrades	60,000	700,000	-	-	-	-	700,000
7	Ave M - 25th to 13th	20,000	1,167,000	-	-	-	-	1,167,000
8	Lift Station 23 Replacement	287,787	255,000	-	-	-	-	255,000
9	Ohio - Oleander to S US 1	20,000	565,000	-	-	-	-	565,000
10	US Hwy 1 - Midway to Edwards	72,000	20,000	-	-	-	-	20,000
11	17th St Orange Ave to Ave D	203,842	129,000	-	-	-	-	129,000
12	Wendell - 8th to Chipolla	20,000	495,000	-	-	-	-	495,000
13	IWRF Clarifier Rehabilitation	875,000	967,905	-	-	-	-	967,905
14	Midway Road - US 1 to 25th St.	30,000	20,000	-	-	-	-	20,000
15	Midway Road - Elm Ave to 25th	50,000	40,000	-	-	-	-	40,000
16	Kings Hwy-Okee Rd to Orange Av	5,000	10,000	380,000	50,000	-	-	440,000
17	Subaqueous Main Stabilization	20,000	1,050,000	-	-	-	-	1,050,000
18	2nd DIW at MWRF	-	1,520,000	-	-	-	-	1,520,000
19	Brownstone Development	5,000	405,000	-	-	-	-	405,000
20	Fisherman's Wharf Sewer Repl.	10,000	95,000	-	-	-	-	95,000
Total		1,829,629	8,024,905	1,588,493	1,243,338	1,195,239	1,197,198	13,249,173

FORT PIERCE UTILITIES AUTHORITY
Capital Budget Request - Summary Sheet
FY 2018

Department Name: 66 - W/WW Engineering - Wastewater

Request Number	Project Title or Asset Name	Priority Rating Area							
		I	II	III	IV	V	VI	Total Points	Dept. Head Rating
FA-1	1/2 Ton 4x4 Pickup Truck	8	8	6	2	4	6	34	12
1	New Construction-Mains	8	6	3	4	2	2	25	21
2	New Construction-Custmr Funded	8	6	3	4	2	2	25	20
3	Wastewater Mains Misc. R&R	12	8	6	6	6	2	40	8
4	Government & Other Required	8	6	6	6	4	2	32	16
5	7th Street - 10th - Wendell	10	8	6	6	4	2	36	10
6	LS E Pump/Electric Upgrades	12	10	8	6	4	4	44	2
7	Ave M - 25th to 13th	10	10	6	6	4	4	40	4
8	Lift Station 23 Replacement	12	10	6	6	6	4	44	3
9	Ohio - Oleander to S US 1	10	10	6	6	4	4	40	5
10	US Hwy 1 - Midway to Edwards	8	6	6	6	4	2	32	15
11	17th St Orange Ave to Ave D	8	8	6	6	6	2	36	11
12	Wendell - 8th to Chipolla	10	10	6	6	4	2	38	9
13	IWRF Clarifier Rehabilitation	8	8	8	8	2	6	40	6
14	Midway Road - US 1 to 25th St.	8	6	6	6	4	2	32	14
15	Midway Road - Elm Ave to 25th	8	6	3	4	2	4	27	19
16	Kings Hwy-Okee Rd to Orange Av	8	10	8	6	4	4	40	7
17	Subaqueous Main Stabilization	12	8	6	8	6	6	46	1
18	2nd DIW at MWRF	8	10	2	2	2	6	30	17
19	Brownstone Development	8	10	3	2	2	2	27	18
20	Fisherman's Wharf Sewer Repl.	8	6	6	6	4	2	32	13

	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total 5 Years FY 2018-22
Proposed Funding Sources:						
Rates	3,742,905	1,329,000	1,150,000	1,100,000	1,100,000	8,421,905
Contribution-in-Aid	1,750,000	50,000	50,000	50,000	50,000	1,950,000
Capital Improvement Charges	305,000	209,493	43,338	45,239	47,198	650,268
State Revolving Fund Loan	2,227,000	-	-	-	-	2,227,000
<i>Total</i>	8,024,905	1,588,493	1,243,338	1,195,239	1,197,198	13,249,173

FORT PIERCE UTILITIES AUTHORITY
FY 2018 Capital Budget Request - Fixed Asset
66 - W/WW Engineering - Wastewater

Fixed Asset Name: 1/2 Ton 4x4 Pickup Truck

Request #: FA - 1
Fixed Asset #: 639218003
Priority #: 12

Fixed Asset Description: 1/2 Ton 4x4 Extended Cap Inspector Pickup Truck

Justification for Purchase: Replace 1/2 ton vehicle with high mileage, poor mechanical and physical condition. Plan to replace with a 4 wheel drive vehicle that is used daily for inspecting FPUA Engineering projects. The new vehicle will provide better reliability and is more efficient to operate than the older style trucks.

Alternatives: Continue to drive and make repairs as needed which is not considered practical.

	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
Total Proposed Costs:	\$ 16,000	\$ 17,000	\$ -	\$ -	\$ -	\$ 33,000

Anticipated Purchase Date: 10/14/2017

Project Manager: 6490 - Valerie Schulte

Purchase Required By: Reliability

Class ID: 8392 - VEHICLES

FY 2018 COST BREAKDOWN			
Cost Estimate:	Quantity	Per Unit	Total Cost
Purchase Price	1	\$ 16,000	\$ 16,000
Delivery	-	-	-
Installation	-	-	-
Trade-In	-	-	-
Other	-	-	-
<i>Totals</i>			\$ 16,000

Areas:	
Scheduled Replacement	x
Replace Obsolete Equipment	x
Replace Worn Out Equipment	x
Reduce Personnel Time	
Expand Service	
Other	
New Operation	
Improve Operations	x

Quantity	
Replacements	1
Additions	-
<i>Total</i>	1

Proposed Funding Sources:	
Rates	\$ 16,000
Other (describe)	
<i>Total</i>	\$ 16,000

ASSET(S) TO BE REPLACED					
FPUA Asset Number	Description/Serial Number	Mileage / Age	Asset Condition	FY 2016 Maint. Cost	Recommended Disposition
15-552	2004 GMC 1500 1/2 T PU Truck	91000	Poor	\$500.00	Auction

FORT PIERCE UTILITIES AUTHORITY
FY 2018 Capital Budget Request - Project
66 - W/WW Engineering - Wastewater

Project Title: New Construction-Mains

Request #: 1

Project #: 810

Priority #: 21

Project Type: BLKT

Description of Project: FPUA contribution to construction of wastewater mains to serve new developments.

Location: Service Area

Justification: Provide capacity for future growth.

Alternatives: Do nothing and accept limitation in future capacity of wastewater collection system and inability to provide service to new developments.

Describe any site preparation or removal of existing assets: Site clearing and excavation for installation of mains.

Impact to operating income: Increase in revenues due to the extension of wastewater mains to new developments. Amount is indeterminate since it is based on developer work.

Anticipated start date: On-going

Anticipated completion date: On-going

Project Manager: 6490 - Valerie Schulte

Purchase Required By: Growth

Contract Description	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
8352 - MAINS (Wastewater Collections)	40,000	41,493	43,338	45,239	47,198	217,268
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
<i>Totals</i>	40,000	41,493	43,338	45,239	47,198	217,268

<i>Actual Amount Spent 10/1/16- 3/31/17</i>	-
<i>Inception through 9/30/16</i>	-
<i>Estimated Cost for FY 2017</i>	-
<i>Est. FY 2017 Budget Carryover</i>	-
<i>Est. Total through 9/30/17</i>	-

Proposed Funding Sources:	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
Rates	-	-	-	-	-	-
Contribution-in-Aid	-	-	-	-	-	-
Capital Improvement Charges	40,000	41,493	43,338	45,239	47,198	217,268
<i>Total</i>	40,000	41,493	43,338	45,239	47,198	217,268

FORT PIERCE UTILITIES AUTHORITY
FY 2018 Capital Budget Request - Project
66 - W/WW Engineering - Wastewater

Project Title: New Construction-Custmr Funded

Request #: 2

Project #: 811

Priority #: 20

Project Type: BLKT

Description of Project: Customer contribution to construction of wastewater mains to serve new developments.

Location: Service Area

Justification: Provide capacity for future growth.

Alternatives: Do nothing and accept limitation in future capacity of wastewater collection system and inability to provide service to new developments.

Describe any site preparation or removal of existing assets: Site clearing and excavation for installation of mains.

Impact to operating income: Increase in revenues due to the extension of wastewater mains to new developments. Amount is indeterminate since it is based on developer work.

Anticipated start date: On-going

Anticipated completion date: On-going

Project Manager: 6490 - Valerie Schulte

Purchase Required By: Growth

Contract Description	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
8352 - MAINS (Wastewater Collections)	50,000	50,000	50,000	50,000	50,000	250,000
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
<i>Totals</i>	50,000	50,000	50,000	50,000	50,000	250,000

<i>Actual Amount Spent 10/1/16- 3/31/17</i>	-
<i>Inception through 9/30/16</i>	-
<i>Estimated Cost for FY 2017</i>	-
<i>Est. FY 2017 Budget Carryover</i>	-
<i>Est. Total through 9/30/17</i>	-

Proposed Funding Sources:	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
Rates	-	-	-	-	-	-
Contribution-in-Aid	50,000	50,000	50,000	50,000	50,000	250,000
Capital Improvement Charges	-	-	-	-	-	-
<i>Total</i>	50,000	50,000	50,000	50,000	50,000	250,000

FORT PIERCE UTILITIES AUTHORITY
FY 2018 Capital Budget Request - Project
66 - W/WW Engineering - Wastewater

Project Title: Wastewater Mains Misc. R&R

Request #: 3
Project #: 817
Priority #: 8
Project Type: BLKT

Description of Project: Renew and replace wastewater mains and services.

Location: Service Area

Justification: Replacement of failing wastewater collection and transmission system components; reduce reliability, risk of injury to public, and high future replacement costs.

Alternatives: Do nothing and accept higher maintenance costs, poor quality of service, decreased reliability, risk of injury to public, and high future replacement costs.

Describe any site preparation or removal of existing assets: Remove existing asphalt, failing and/or damaged gravity mains, force mains and laterals.

Impact to operating income: Capital expenses will be approximately 50% higher if work is done on an emergency basis instead of planned. O&M expenses will be reduced but are not quantifiable.

Anticipated start date: On-going

Anticipated completion date: On-going

Project Manager: 6490 - Valerie Schulte

Purchase Required By: R&R

Contract Description	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
8352 - MAINS (Wastewater Collections)	300,000	700,000	700,000	700,000	700,000	3,100,000
8353 - SERVICE LINES (Wastewater Collections)	100,000	200,000	200,000	200,000	200,000	900,000
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
<i>Totals</i>	400,000	900,000	900,000	900,000	900,000	4,000,000

<i>Actual Amount Spent 10/1/16- 3/31/17</i>	855
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<i>Inception through 9/30/16</i>	-
<i>Estimated Cost for FY 2017</i>	1,000
<i>Est. FY 2017 Budget Carryover</i>	-
<i>Est. Total through 9/30/17</i>	1,000

Proposed Funding Sources:	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
Rates	400,000	900,000	900,000	900,000	900,000	4,000,000
Contribution-in-Aid	-	-	-	-	-	-
Capital Improvement Charges	-	-	-	-	-	-
<i>Total</i>	400,000	900,000	900,000	900,000	900,000	4,000,000

FORT PIERCE UTILITIES AUTHORITY
FY 2018 Capital Budget Request - Project
66 - W/WW Engineering - Wastewater

Project Title: Government & Other Required

Request #: 4

Project #: 820

Priority #: 16

Project Type: BLKT

Description of Project: Renewals, replacements, and relocations associated with roadway projects. Includes FDOT, City, and County roadways.

Location: Service Area.

Justification: Relocate or replace as required by conditions of Right-of-Way Permits, and age of existing infrastructure.

Alternatives: Do nothing and accept continued deterioration of wastewater system components and violate conditions of Right-of-Way Permit.

Describe any site preparation or removal of existing assets: Remove existing asphalt, failing and/or damaged gravity mains, force mains, services and manholes.

Impact to operating income: Capital expenses will be approximately 50% higher if work is done on an emergency basis instead of planned. O&M expenses will be reduced but are not quantifiable.

Anticipated start date: On-going

Anticipated completion date: On-going

Project Manager: 6490 - Valerie Schulte

Purchase Required By: City of Fort Pierce

Contract Description	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
8352 - MAINS (Wastewater Collections)	40,000	150,000	150,000	150,000	150,000	640,000
8353 - SERVICE LINES (Wastewater Collections)	10,000	50,000	50,000	50,000	50,000	210,000
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
<i>Totals</i>	50,000	200,000	200,000	200,000	200,000	850,000

<i>Actual Amount Spent 10/1/16- 3/31/17</i>	-
<i>Inception through 9/30/16</i>	-
<i>Estimated Cost for FY 2017</i>	-
<i>Est. FY 2017 Budget Carryover</i>	-
<i>Est. Total through 9/30/17</i>	-

Proposed Funding Sources:	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
Rates	50,000	200,000	200,000	200,000	200,000	850,000
Contribution-in-Aid	-	-	-	-	-	-
Capital Improvement Charges	-	-	-	-	-	-
<i>Total</i>	50,000	200,000	200,000	200,000	200,000	850,000

FORT PIERCE UTILITIES AUTHORITY
FY 2018 Capital Budget Request - Project
66 - W/WW Engineering - Wastewater

Project Title: 7th Street - 10th - Wendell

Request #: 5
Project #: 830
Priority #: 10
Project Type: STD

Description of Project: Replacement of Sewer Main, manholes and service laterals.

Location: 7th Street -10th Street - Wendell Road

Justification: Sewer main has reached its useful life and should be replaced as part of the R&R program and cost savings by construction with city roadway project.

Alternatives: Do nothing and accept higher maintenance costs, poor quality of service, decreased reliability, risk of injury to the public, and high future replacement costs.

Describe any site preparation or removal of existing assets: Removal of existing asphalt, mains, laterals and manholes.

Impact to operating income: Capital expenses will be approximately 50% higher if work is done on an emergency basis instead of planned. O&M expenses will be reduced but are not quantifiable.

Anticipated start date: 10/1/2016

Anticipated completion date: 9/30/2018

Project Manager: 6697 - Richard Mutterback

Purchase Required By: City of Fort Pierce

Contract Description	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
8352 - MAINS (Wastewater Collections)	25,000		-	-	-	25,000
8353 - SERVICE LINES (Wastewater Collections)	5,000		-	-	-	5,000
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
<i>Totals</i>	30,000	-	-	-	-	30,000

<i>Actual Amount Spent 10/1/16- 3/31/17</i>	508
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<i>Inception through 9/30/16</i>	-
<i>Estimated Cost for FY 2017</i>	10,000
<i>Est. FY 2017 Budget Carryover</i>	140,000
<i>Est. Total through 9/30/17</i>	150,000

Proposed Funding Sources:	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
Rates	30,000		-	-	-	30,000
Contribution-in-Aid	-	-	-	-	-	-
Capital Improvement Charges	-	-	-	-	-	-
<i>Total</i>	30,000	-	-	-	-	30,000

FORT PIERCE UTILITIES AUTHORITY
FY 2018 Capital Budget Request - Project
66 - W/WW Engineering - Wastewater

Project Title: LS E Pump/Electric Upgrades

Request #: 6
Project #: 834
Priority #: 2
Project Type: STD

Description of Project: Upgrade Lift Station E Components

Location: 1900 S. US Highway 1

Justification: Existing pumping and electrical equipment is undersized for high flows.

Alternatives: Continue to bypass and potentially back surge the system.

Describe any site preparation or removal of existing assets: Removal of existing pumps and electrical equipment if necessary.

Impact to operating income: Reduced operating and maintenance expenses which are not quantifiable.

Anticipated start date: 10/1/2015

Anticipated completion date: 9/30/2018

Project Manager: 6338 - James Carnes

Purchase Required By: Reliability

Contract Description	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
8363 - ELECTRIC PUMPING EQUIPMENT (Lift Stations)	700,000	-	-	-	-	700,000
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
<i>Totals</i>	700,000	-	-	-	-	700,000

Actual Amount Spent 10/1/16- 3/31/17 445

<i>Inception through 9/30/16</i>	-
<i>Estimated Cost for FY 2017</i>	60,000
<i>Est. FY 2017 Budget Carryover</i>	-
<i>Est. Total through 9/30/17</i>	60,000

Proposed Funding Sources:	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
Rates	700,000	-	-	-	-	700,000
Contribution-in-Aid	-	-	-	-	-	-
Capital Improvement Charges	-	-	-	-	-	-
<i>Total</i>	700,000	-	-	-	-	700,000

FORT PIERCE UTILITIES AUTHORITY
FY 2018 Capital Budget Request - Project
66 - W/WW Engineering - Wastewater

Project Title: Ave M - 25th to 13th

Request #: 7
Project #: 842
Priority #: 4
Project Type: STD

Description of Project: Replacement of Sewer Main, manholes and service laterals.

Location: Avenue M from 25th Street to 13th Street

Justification: Sewer main has reached its useful life and should be replaced as part of the R&R program.

Alternatives: Do nothing and accept higher maintenance costs, poor quality of service, decreased reliability, risk of injury to the public, and high future replacement costs.

Describe any site preparation or removal of existing assets: Removal of existing asphalt, mains, laterals and manholes.

Impact to operating income: Capital expenses will be approximately 50% higher if work is done on an emergency basis instead of planned. O&M expenses will be reduced but are not quantifiable.

Anticipated start date: 10/1/2016

Anticipated completion date: 9/30/2018

Project Manager: 6338 - James Carnes

Purchase Required By: R&R

Contract Description	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
8352 - MAINS (Wastewater Collections)	1,067,000	-	-	-	-	1,067,000
8353 - SERVICE LINES (Wastewater Collections)	100,000	-	-	-	-	100,000
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
<i>Totals</i>	1,167,000	-	-	-	-	1,167,000

Actual Amount Spent 10/1/16- 3/31/17 358

<i>Inception through 9/30/16</i>	-
<i>Estimated Cost for FY 2017</i>	20,000
<i>Est. FY 2017 Budget Carryover</i>	-
<i>Est. Total through 9/30/17</i>	20,000

Proposed Funding Sources:	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
Rates	-	-	-	-	-	-
Contribution-in-Aid	-	-	-	-	-	-
Capital Improvement Charges	-	-	-	-	-	-
SRF Loans	1,167,000	-	-	-	-	1,167,000
<i>Total</i>	1,167,000	-	-	-	-	1,167,000

FORT PIERCE UTILITIES AUTHORITY
FY 2018 Capital Budget Request - Project
66 - W/WW Engineering - Wastewater

Project Title: Lift Station 23 Replacement

Request #: 8
Project #: 843
Priority #: 3
Project Type: STD

Description of Project: Relocate LS 23 to easement area near 30th Street.

Location: Newly aquired easement.

Justification: Lift Station 23 is within the Orange Avenue right of way and needs to be relocated for accessibility.

Alternatives: None

Describe any site preparation or removal of existing assets: Abandonment of wet well and removal of existing pumps. Grading new site for concrete pads and driveway construction.

Impact to operating income: Increased maintenance efficiency should reduce O&M costs.

Anticipated start date: 5/1/2015

Anticipated completion date: 9/30/2018

Project Manager: 6338 - James Carnes

Purchase Required By: Safety

Contract Description	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
8352 - MAINS (Wastewater Collections)	18,000	-	-	-	-	18,000
8361 - STRUCT & IMPRVMT (Lift Stations)	187,000	-	-	-	-	187,000
8363 - ELECTRIC PUMPING EQUIPMENT (Lift Stations)	50,000	-	-	-	-	50,000
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
<i>Totals</i>	255,000	-	-	-	-	255,000

<i>Actual Amount Spent 10/1/16- 3/31/17</i>	13,746
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<i>Inception through 9/30/16</i>	7,787
<i>Estimated Cost for FY 2017</i>	25,000
<i>Est. FY 2017 Budget Carryover</i>	255,000
<i>Est. Total through 9/30/17</i>	287,787

Proposed Funding Sources:	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
Rates	255,000	-	-	-	-	255,000
Contribution-in-Aid	-	-	-	-	-	-
Capital Improvement Charges	-	-	-	-	-	-
<i>Total</i>	255,000	-	-	-	-	255,000

FORT PIERCE UTILITIES AUTHORITY
FY 2018 Capital Budget Request - Project
66 - W/WW Engineering - Wastewater

Project Title: Ohio - Oleander to S US 1

Request #: 9
Project #: 844
Priority #: 5
Project Type: STD

Description of Project: Replacement of Sewer Main, manholes and service laterals

Location: Ohio - Oleander Blvd to S US Highway 1

Justification: Sewer main has reached its useful life and should be replaced as part of the R&R program.

Alternatives: Do nothing and accept higher maintenance costs, poor quality of service, decreased reliability, risk of injury to the public, and high future replacement costs.

Describe any site preparation or removal of existing assets: Removal of existing asphalt, mains, laterals and manholes.

Impact to operating income: Capital expenses will be approximately 50% higher if work is done on an emergency basis instead of planned. O&M expenses will be reduced but are not quantifiable.

Anticipated start date: 10/1/2016

Anticipated completion date: 9/30/2018

Project Manager: 6490 - Valerie Schulte

Purchase Required By: R&R

Contract Description	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
8352 - MAINS (Wastewater Collections)	440,000	-	-	-	-	440,000
8353 - SERVICE LINES (Wastewater Collections)	125,000	-	-	-	-	125,000
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
<i>Totals</i>	565,000	-	-	-	-	565,000

Actual Amount Spent 10/1/16- 3/31/17 91

<i>Inception through 9/30/16</i>	-
<i>Estimated Cost for FY 2017</i>	20,000
<i>Est. FY 2017 Budget Carryover</i>	-
<i>Est. Total through 9/30/17</i>	20,000

Proposed Funding Sources:	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
Rates	-	-	-	-	-	-
Contribution-in-Aid	-	-	-	-	-	-
Capital Improvement Charges	-	-	-	-	-	-
SRF Loan	565,000	-	-	-	-	565,000
<i>Total</i>	565,000	-	-	-	-	565,000

FORT PIERCE UTILITIES AUTHORITY
FY 2018 Capital Budget Request - Project
66 - W/WW Engineering - Wastewater

Project Title: US Hwy 1 - Midway to Edwards

Request #: 10

Project #: 858

Priority #: 15

Project Type: STD

Description of Project: Wastewater facilities improvements and adjustments associated with FDOT roadway project.

Location: South US 1 between Edwards Road and Midway Road.

Justification: Adjustments required by FDOT Right-of-Way Permit if conflict with new roadway or drainage.

Alternatives: Do nothing and violate conditions of FDOT Right-of-Way Permit.

Describe any site preparation or removal of existing assets: Remove, relocate, or abandon in-place wastewater facility components which conflict with FDOT drainage design.

Impact to operating income: Capital expenses will be approximately 50% higher if work is done on an emergency basis instead of planned. O&M expenses will be reduced but are not quantifiable.

Anticipated start date: 10/1/2016

Anticipated completion date: 9/30/2018

Project Manager: 6490 - Valerie Schulte

Purchase Required By: FDOT

Contract Description	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
8352 - MAINS (Wastewater Collections)	19,000	-	-	-	-	19,000
8353 - SERVICE LINES (Wastewater Collections)	1,000	-	-	-	-	1,000
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
<i>Totals</i>	20,000	-	-	-	-	20,000

<i>Actual Amount Spent 10/1/16- 3/31/17</i>	1,272
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<i>Inception through 9/30/16</i>	-
<i>Estimated Cost for FY 2017</i>	72,000
<i>Est. FY 2017 Budget Carryover</i>	-
<i>Est. Total through 9/30/17</i>	72,000

Proposed Funding Sources:	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
Rates	20,000	-	-	-	-	20,000
Contribution-in-Aid	-	-	-	-	-	-
Capital Improvement Charges	-	-	-	-	-	-
<i>Total</i>	20,000	-	-	-	-	20,000

FORT PIERCE UTILITIES AUTHORITY
FY 2018 Capital Budget Request - Project
66 - W/WW Engineering - Wastewater

Project Title: 17th St Orange Ave to Ave D

Request #: 11
Project #: 863
Priority #: 11
Project Type: STD

Description of Project: Replacement of Sewer Main, manholes and service laterals.

Location: 17th Street - Orange Avenue to Avenue D

Justification: Sewer main has reached its useful life and should be replaced as part of the R&R program and cost savings will be realized by construction with city roadway project.

Alternatives: Do nothing and accept higher maintenance costs, poor quality of service, decreased reliability, risk of injury to the public, and high future replacement costs.

Describe any site preparation or removal of existing assets: Removal of existing asphalt, mains, laterals and manholes.

Impact to operating income: Capital expenses will be approximately 50% higher if work is done on an emergency basis instead of planned. O&M expenses will be reduced but are not quantifiable.

Anticipated start date: 10/1/2015

Anticipated completion date: 9/30/2018

Project Manager: 6490 - Valerie Schulte

Purchase Required By: City of Fort Pierce

Contract Description	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
8352 - MAINS (Wastewater Collections)	71,000	-	-	-	-	71,000
8353 - SERVICE LINES (Wastewater Collections)	58,000	-	-	-	-	58,000
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
<i>Totals</i>	129,000	-	-	-	-	129,000

Actual Amount Spent 10/1/16- 3/31/17 92

<i>Inception through 9/30/16</i>	2,842
<i>Estimated Cost for FY 2017</i>	1,000
<i>Est. FY 2017 Budget Carryover</i>	200,000
<i>Est. Total through 9/30/17</i>	203,842

Proposed Funding Sources:	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
Rates	129,000	-	-	-	-	129,000
Contribution-in-Aid	-	-	-	-	-	-
Capital Improvement Charges	-	-	-	-	-	-
<i>Total</i>	129,000	-	-	-	-	129,000

FORT PIERCE UTILITIES AUTHORITY
FY 2018 Capital Budget Request - Project
66 - W/WW Engineering - Wastewater

Project Title: Wendell - 8th to Chipolla

Request #: 12
Project #: 867
Priority #: 9
Project Type: STD

Description of Project: Replacement of Sewer Main, manholes and service laterals.

Location: Wendell - S 8th Street to Chipolla Boulevard

Justification: Sewer main has reached its useful life and should be replaced as part of the R&R program.

Alternatives: Do nothing and accept higher maintenance costs, poor quality of service, decreased reliability, risk of injury to the public, and high future replacement costs.

Describe any site preparation or removal of existing assets: Removal of existing asphalt, mains, laterals and manholes.

Impact to operating income: Capital expenses will be approximately 50% higher if work is done on an emergency basis instead of planned. O&M expenses will be reduced but are not quantifiable.

Anticipated start date: 10/1/2016

Anticipated completion date: 9/30/2018

Project Manager: 6490 - Valerie Schulte

Purchase Required By: R&R

Contract Description	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
8352 - MAINS (Wastewater Collections)	400,000	-	-	-	-	400,000
8353 - SERVICE LINES (Wastewater Collections)	95,000	-	-	-	-	95,000
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
<i>Totals</i>	495,000	-	-	-	-	495,000

Actual Amount Spent 10/1/16- 3/31/17 91

<i>Inception through 9/30/16</i>	-
<i>Estimated Cost for FY 2017</i>	20,000
<i>Est. FY 2017 Budget Carryover</i>	-
<i>Est. Total through 9/30/17</i>	20,000

Proposed Funding Sources:	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
Rates	-	-	-	-	-	-
Contribution-in-Aid	-	-	-	-	-	-
Capital Improvement Charges	-	-	-	-	-	-
SRF Loan	495,000	-	-	-	-	495,000
<i>Total</i>	495,000	-	-	-	-	495,000

FORT PIERCE UTILITIES AUTHORITY
FY 2018 Capital Budget Request - Project
66 - W/WW Engineering - Wastewater

Project Title: IWRF Clarifier Rehabilitation

Request #: 13

Project #: 872

Priority #: 6

Project Type: STD

Description of Project: Replacement of all structural and mechanical metal components and concrete repair of existing four (4) circular tanks.

Location: Island Water Reclamation Facility.

Justification: The equipment has reached its useful life and is planned for complete replacement.

Alternatives: None

Describe any site preparation or removal of existing assets: Replacement of all steel components.

Impact to operating income: Maintenance costs will decrease with new equipment installation but are not quantifiable. Additionally the increased solids content will reduce operating costs of clean B process.

Anticipated start date: 10/1/2016

Anticipated completion date: 9/30/2018

Project Manager: 6338 - James Carnes

Purchase Required By: R&R

Contract Description	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
8373 - DEEP INJECTION WELL (Water Reclamation)	967,905	-	-	-	-	967,905
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
<i>Totals</i>	967,905	-	-	-	-	967,905

Actual Amount Spent 10/1/16- 3/31/17 409

<i>Inception through 9/30/16</i>	-
<i>Estimated Cost for FY 2017</i>	875,000
<i>Est. FY 2017 Budget Carryover</i>	-
<i>Est. Total through 9/30/17</i>	875,000

Proposed Funding Sources:	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
Rates	967,905	-	-	-	-	967,905
Contribution-in-Aid	-	-	-	-	-	-
Capital Improvement Charges	-	-	-	-	-	-
<i>Total</i>	967,905	-	-	-	-	967,905

FORT PIERCE UTILITIES AUTHORITY
FY 2018 Capital Budget Request - Project
66 - W/WW Engineering - Wastewater

Project Title: Midway Road - US 1 to 25th St.

Request #: 14

Project #: 884

Priority #: 14

Project Type: STD

Description of Project: Utility improvements and adjustments associated with County roadway project.

Location: Midway Road - US 1 to 25th Street.

Justification: Required by County Right-of-Way Permit.

Alternatives: Do nothing and violate conditions of County Right-of-Way Permit.

Describe any site preparation or removal of existing assets: Remove existing facilities which conflict with roadway design.

Impact to operating income: Capital expenses will be approximately 50% higher if work is done on an emergency basis instead of planned. O&M expenses will be reduced but are not quantifiable.

Anticipated start date: 10/1/2016

Anticipated completion date: 9/30/2018

Project Manager: 6697 - Richard Mutterback

Purchase Required By: FDOT

Contract Description	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
8352 - MAINS (Wastewater Collections)	18,000	-	-	-	-	18,000
8353 - SERVICE LINES (Wastewater Collections)	2,000	-	-	-	-	2,000
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
<i>Totals</i>	20,000	-	-	-	-	20,000

<i>Actual Amount Spent 10/1/16- 3/31/17</i>	-
<i>Inception through 9/30/16</i>	-
<i>Estimated Cost for FY 2017</i>	20,000
<i>Est. FY 2017 Budget Carryover</i>	10,000
<i>Est. Total through 9/30/17</i>	30,000

Proposed Funding Sources:	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
Rates	20,000	-	-	-	-	20,000
Contribution-in-Aid	-	-	-	-	-	-
Capital Improvement Charges	-	-	-	-	-	-
<i>Total</i>	20,000	-	-	-	-	20,000

FORT PIERCE UTILITIES AUTHORITY
FY 2018 Capital Budget Request - Project
66 - W/WW Engineering - Wastewater

Project Title: Midway Road - Elm Ave to 25th

Request #: 15

Project #: 886

Priority #: 19

Project Type: STD

Description of Project: Installation of brackets for future construction of a 12-inch force main on the Midway Road bridge across the N. St. Lucie River.

Location: Midway Rd - Elm Avenue to 25th Street.

Justification: Required by Master Plan for moving wastewater to MWRF.

Alternatives: Install a bored pipe under river. This is not possible due to limited right-of-way.

Describe any site preparation or removal of existing assets: None

Impact to operating income: None

Anticipated start date: 10/1/2016

Anticipated completion date: 9/30/2018

Project Manager: 6697 - Richard Mutterback

Purchase Required By: Growth

Contract Description	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
8352 - MAINS (Wastewater Collections)	40,000	-	-	-	-	40,000
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
<i>Totals</i>	40,000	-	-	-	-	40,000

<i>Actual Amount Spent 10/1/16- 3/31/17</i>	-
<i>Inception through 9/30/16</i>	-
<i>Estimated Cost for FY 2017</i>	10,000
<i>Est. FY 2017 Budget Carryover</i>	40,000
<i>Est. Total through 9/30/17</i>	50,000

Proposed Funding Sources:	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
Rates	-	-	-	-	-	-
Contribution-in-Aid	-	-	-	-	-	-
Capital Improvement Charges	40,000	-	-	-	-	40,000
<i>Total</i>	40,000	-	-	-	-	40,000

FORT PIERCE UTILITIES AUTHORITY
FY 2018 Capital Budget Request - Project
66 - W/WW Engineering - Wastewater

Project Title: Kings Hwy-Okee Rd to Orange Av

Request #: 16

Project #: 890

Priority #: 7

Project Type: STD

Description of Project: Relocate/replacement of force mains along Kings Highway to facilitate roadway widening.

Location: Kings Highway from Okeechobee Road to Orange Avenue.

Justification: Adjustments are required by FDOT permit.

Alternatives: Do nothing. It is cost effective to install the force main during or before roadway construction to eliminate restoration costs.

Describe any site preparation or removal of existing assets: Clearing and grubbing force main route.

Impact to operating income: Capital expenses will be approximately 50% higher if work is done on an emergency basis instead of planned. O&M expenses will be reduced but are not quantifiable.

Anticipated start date: 10/1/2016

Anticipated completion date: 9/30/2020

Project Manager: 6338 - James Carnes

Purchase Required By: FDOT

Contract Description	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
8352 - MAINS (Wastewater Collections)	10,000	380,000	50,000	-	-	440,000
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
<i>Totals</i>	10,000	380,000	50,000	-	-	440,000

<i>Actual Amount Spent 10/1/16- 3/31/17</i>	-
<i>Inception through 9/30/16</i>	-
<i>Estimated Cost for FY 2017</i>	5,000
<i>Est. FY 2017 Budget Carryover</i>	-
<i>Est. Total through 9/30/17</i>	5,000

Proposed Funding Sources:	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
Rates	10,000	212,000	50,000	-	-	272,000
Contribution-in-Aid	-	-	-	-	-	-
Capital Improvement Charges	-	168,000	-	-	-	168,000
<i>Total</i>	10,000	380,000	50,000	-	-	440,000

FORT PIERCE UTILITIES AUTHORITY
FY 2018 Capital Budget Request - Project
66 - W/WW Engineering - Wastewater

Project Title: Subaqueous Main Stabilization

Request #: 17

Project #: 909

Priority #: 1

Project Type: STD

Description of Project: Replace the existing 16" southernmost force main from the mainland to the IWRP

Location: Indian River Lagoon.

Justification: Critical sewage conveyance pipeline has been exposed and due to increased current velocity has been undermined.

Alternatives: Continue to spend O&M money on hardening of shallow force main.

Describe any site preparation or removal of existing assets: Removal of existing pipeline will be required.

Impact to operating income: Capital expense will eliminate annual maintenance cost of providing additional protection of pipeline. Annual maintenance expenses could reach \$100,000 per year.

Anticipated start date: 10/1/2017

Anticipated completion date: 9/30/2018

Project Manager: 6490 - Valerie Schulte

Purchase Required By: Reliability

Contract Description	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
8352 - MAINS (Wastewater Collections)	1,050,000	-	-	-	-	1,050,000
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
<i>Totals</i>	1,050,000	-	-	-	-	1,050,000

Actual Amount Spent 10/1/16- 3/31/17 41

<i>Inception through 9/30/16</i>	-
<i>Estimated Cost for FY 2017</i>	20,000
<i>Est. FY 2017 Budget Carryover</i>	-
<i>Est. Total through 9/30/17</i>	20,000

Proposed Funding Sources:	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
Rates	1,050,000	-	-	-	-	1,050,000
Contribution-in-Aid	-	-	-	-	-	-
Capital Improvement Charges	-	-	-	-	-	-
<i>Total</i>	1,050,000	-	-	-	-	1,050,000

FORT PIERCE UTILITIES AUTHORITY
FY 2018 Capital Budget Request - Project
66 - W/WW Engineering - Wastewater

Project Title: 2nd DIW at MWRF

Request #: 18

Project #: 879

Priority #: 17

Project Type: STD

Description of Project: Completion of the existing MWRF DIW-2 injection well by installation of all equipment to make operational.

Location: Glades Cut-Off Road and Energy Drive

Justification: Provide redundancy for both TCEC and St. Lucie County Landfill Leachate disposal.

Alternatives: None

Describe any site preparation or removal of existing assets: Minor site work and trenching for new discharge piping.

Impact to operating income: Increase of operating income due to the ability to constantly pump to deep injection well while maintenance or testing is done on one well and allow leachate to be more consistently discharged.

Anticipated start date: 10/1/2017

Anticipated completion date: 9/30/2018

Project Manager: 6338 - James Carnes

Purchase Required By: St. Lucie County

Contract Description	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
8373 - DEEP INJECTION WELL (Water Reclamation)	1,520,000	-	-	-	-	1,520,000
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
<i>Totals</i>	1,520,000	-	-	-	-	1,520,000

Actual Amount Spent 10/1/16- 3/31/17 -

<i>Inception through 9/30/16</i>	-
<i>Estimated Cost for FY 2017</i>	-
<i>Est. FY 2017 Budget Carryover</i>	-
<i>Est. Total through 9/30/17</i>	-

Proposed Funding Sources:	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
Rates	-	-	-	-	-	-
Contribution-in-Aid	1,500,000	-	-	-	-	1,500,000
Capital Improvement Charges	20,000	-	-	-	-	20,000
<i>Total</i>	1,520,000	-	-	-	-	1,520,000

FORT PIERCE UTILITIES AUTHORITY
FY 2018 Capital Budget Request - Project
66 - W/WW Engineering - Wastewater

Project Title: Brownstone Development

Request #: 19
Project #: 881
Priority #: 18
Project Type: STD

Description of Project: Installation of LS in project area and regional lift station.

Location: Mohawk Avenue and Bryant Road

Justification: Development is near canals and within city limits. Provision for Municipal wastewater service is necessary.

Alternatives: Do nothing which will result in loss of customers and additional septic systems near waterways in Fort Pierce.

Describe any site preparation or removal of existing assets: Clearing and grubbing for lift station site and force main.

Impact to operating income: An annual increase in revenues of approximately \$14,000 once houses are occupied and there is potential for an additional 30 customers (\$17,000) along adjacent roadway.

Anticipated start date: 10/1/2017

Anticipated completion date: 9/30/2018

Project Manager: 6338 - James Carnes

Purchase Required By: Growth

Contract Description	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
8350 - LAND & RIGHTS (Wastewater)	5,000	-	-	-	-	5,000
8361 - STRUCT & IMPRVMT (Lift Stations)	300,000	-	-	-	-	300,000
8352 - MAINS (Wastewater Collections)	100,000	-	-	-	-	100,000
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
<i>Totals</i>	405,000	-	-	-	-	405,000

<i>Actual Amount Spent 10/1/16- 3/31/17</i>	-
<i>Inception through 9/30/16</i>	-
<i>Estimated Cost for FY 2017</i>	5,000
<i>Est. FY 2017 Budget Carryover</i>	-
<i>Est. Total through 9/30/17</i>	5,000

Proposed Funding Sources:	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
Rates	-	-	-	-	-	-
Contribution-in-Aid	200,000	-	-	-	-	200,000
Capital Improvement Charges	205,000	-	-	-	-	205,000
<i>Total</i>	405,000	-	-	-	-	405,000

FORT PIERCE UTILITIES AUTHORITY
FY 2018 Capital Budget Request - Project
66 - W/WW Engineering - Wastewater

Project Title: Fisherman's Wharf Sewer Repl.

Request #: 20
Project #: 895
Priority #: 13
Project Type: STD

Description of Project: Replacement of Sewer Main, manholes and service laterals.

Location: Indian River Drive east towards lagoon.

Justification: Sewer main has reached its useful life and should be replaced.

Alternatives: Do nothing and accept higher maintenance costs, poor quality of service, decreased reliability, risk of injury to the public, and high future replacement costs.

Describe any site preparation or removal of existing assets: Removal of existing asphalt, mains, laterals and manholes.

Impact to operating income: Capital expenses will be approximately 50% higher if work is done on an emergency basis instead of planned. O&M expenses will be reduced but are not quantifiable.

Anticipated start date: 10/1/2017

Anticipated completion date: 9/30/2018

Project Manager: 6490 - Valerie Schulte

Purchase Required By: St. Lucie County

Contract Description	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
8352 - MAINS (Wastewater Collections)	80,000	-	-	-	-	80,000
8353 - SERVICE LINES (Wastewater Collections)	15,000	-	-	-	-	15,000
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
<i>Totals</i>	95,000	-	-	-	-	95,000

<i>Actual Amount Spent 10/1/16- 3/31/17</i>	-
<i>Inception through 9/30/16</i>	-
<i>Estimated Cost for FY 2017</i>	10,000
<i>Est. FY 2017 Budget Carryover</i>	-
<i>Est. Total through 9/30/17</i>	10,000

Proposed Funding Sources:	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
Rates	95,000	-	-	-	-	95,000
Contribution-in-Aid	-	-	-	-	-	-
Capital Improvement Charges	-	-	-	-	-	-
<i>Total</i>	95,000	-	-	-	-	95,000

FORT PIERCE UTILITIES AUTHORITY
Capital Budget Request - Summary Sheet
FY 2018

Department Name: 82 - Water Reclamation

Request Number	Project Title or Asset Name	Projected Costs						
		Inception Through 9/30/2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total 5 Years FY 2018-22
FA-1	Golf Cart	-	-	10,000	-	-	-	10,000
FA-2	IWRF DIW Pump Replacement	-	-	-	-	-	80,000	80,000
FA-3	1 Ton Pickup Truck	-	-	35,000	80,000	-	-	115,000
1	Telemetry & Controls	10,000	10,000	10,000	10,000	10,000	10,000	50,000
2	Structural Replacements	25,000	25,000	25,000	25,000	25,000	25,000	125,000
3	Bar Screen Replacement	-	-	-	-	135,000	-	135,000
4	Surge Tank Control Replacement	-	30,000	-	-	-	-	30,000
5	W-2 System Upgrade	-	-	60,000	-	-	-	60,000
6	Septage Receiving Facility	-	50,000	-	-	-	-	50,000
Total		35,000	115,000	140,000	115,000	170,000	115,000	655,000

Request Number	Project Title or Asset Name	Priority Rating Area								Dept. Head Rating
		I	II	III	IV	V	VI	Total Points		
FA-1	Golf Cart							-		
FA-2	IWRF DIW Pump Replacement							-		
FA-3	1 Ton Pickup Truck							-		
1	Telemetry & Controls	8	10	8	6	4	6	42	2	
2	Structural Replacements	12	10	3	6	4	6	41	3	
3	Bar Screen Replacement	8	10	8	6	4	6	42		
4	Surge Tank Control Replacement	8	10	8	6	4	6	42	1	
5	W-2 System Upgrade	8	10	8	6	4	6	42		
6	Septage Receiving Facility	12	10	1	4	6	6	39	4	

Proposed Funding Sources:	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total 5 Years FY 2018-22
Rates	115,000	140,000	115,000	170,000	115,000	655,000
Contribution-in-Aid	-	-	-	-	-	-
Capital Improvement Charges	-	-	-	-	-	-
State Revolving Fund Loan	-	-	-	-	-	-
Contingency						
Total	115,000	140,000	115,000	170,000	115,000	655,000

FORT PIERCE UTILITIES AUTHORITY
FY 2018 Capital Budget Request - Fixed Asset
82 - Water Reclamation

Fixed Asset Name: Golf Cart

Fixed Asset Description: Replace 1 Golf Cart

Justification for Purchase: Old golf cart is worn

Request #: FA - 1

Fixed Asset #: _____

Priority #: 0

Alternatives: Do not replace existing golf cart and continue to repair existing golf cart.

	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
Total Proposed Costs:	\$ -	\$ 10,000	\$ -	\$ -	\$ -	\$ 10,000

Anticipated Purchase Date: 10/1/2019

Project Manager: 5845 - Mark Kobbe

Purchase Required By: Efficiency/Safety

Class ID: 8392 - VEHICLES

FY 2018 COST BREAKDOWN			
Cost Estimate:	Quantity	Per Unit	Total Cost
Purchase Price	-	\$ -	\$ -
Delivery	-	-	-
Installation	-	-	-
Trade-In	-	-	-
Other	-	-	-
<i>Totals</i>			\$ -

Areas:	
Scheduled Replacement	
Replace Obsolete Equipment	
Replace Worn Out Equipment	x
Reduce Personnel Time	
Expand Service	
Other	
New Operation	
Improve Operations	

Quantity	
Replacements	-
Additions	-
<i>Total</i>	-

Proposed Funding Sources:	
Rates	\$ -
Other (describe)	-
<i>Total</i>	\$ -

ASSET(S) TO BE REPLACED					
FPUA Asset Number	Description/Serial Number	Mileage / Age	Asset Condition	FY 2016 Maint. Cost	Recommended Disposition

FORT PIERCE UTILITIES AUTHORITY
FY 2018 Capital Budget Request - Fixed Asset
82 - Water Reclamation

Fixed Asset Name: IWRF DIW Pump Replacement

Fixed Asset Description: IWRF DIW Pump Replacement

Justification for Purchase: To ensure the pumping capacities are met.

Request #: FA - 2
Fixed Asset #: _____
Priority #: 0

Alternatives: Do not purchase and run the risk of not being able to met required pumping capacities.

	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
Total Proposed Costs:	\$ -	\$ -	\$ -	\$ -	\$ 80,000	\$ 80,000

Anticipated Purchase Date: _____

Project Manager: 5845 - Mark Kobbe

Purchase Required By: _____ FDEP

Class ID: 8373 - DEEP INJECTION WELL

FY 2018 COST BREAKDOWN			
Cost Estimate:	Quantity	Per Unit	Total Cost
Purchase Price	-	\$ -	\$ -
Delivery	-	-	-
Installation	-	-	-
Trade-In	-	-	-
Other	-	-	-
<i>Totals</i>			\$ -

Areas:	
Scheduled Replacement	
Replace Obsolete Equipment	
Replace Worn Out Equipment	x
Reduce Personnel Time	
Expand Service	
Other	
New Operation	
Improve Operations	

Quantity	
Replacements	-
Additions	-
<i>Total</i>	-

Proposed Funding Sources:	
Rates	\$ -
Other (describe)	-
<i>Total</i>	\$ -

ASSET(S) TO BE REPLACED					
FPUA Asset Number	Description/Serial Number	Mileage / Age	Asset Condition	FY 2016 Maint. Cost	Recommended Disposition

FORT PIERCE UTILITIES AUTHORITY
FY 2018 Capital Budget Request - Fixed Asset
82 - Water Reclamation

Fixed Asset Name: 1 Ton Pickup Truck

Fixed Asset Description: 1 Ton Pickup Truck & Equip.

Request #: FA - 3

Fixed Asset #: _____

Priority #: 0

Justification for Purchase: FY -19 New Truck IPP Program, FY-20 Replace yard dog (semi tractor trailer)

Alternatives: Do not purchase and it will lessen FPUA's ability to continue providing quality service in a timely manner to customers.

	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
Total Proposed Costs:	\$ -	\$ 35,000	\$ 80,000	\$ -	\$ -	\$ 115,000

Anticipated Purchase Date: 10/1/2019

Project Manager: 5845 - Mark Kobbe

Purchase Required By: Efficiency/Safety

Class ID: 8392 - VEHICLES

FY 2018 COST BREAKDOWN			
Cost Estimate:	Quantity	Per Unit	Total Cost
Purchase Price	-	\$ -	\$ -
Delivery	-	-	-
Installation	-	-	-
Trade-In	-	-	-
Other	-	-	-
<i>Totals</i>			\$ -

Areas:	
Scheduled Replacement	
Replace Obsolete Equipment	
Replace Worn Out Equipment	
Reduce Personnel Time	
Expand Service	
Other	
New Operation	
Improve Operations	

Quantity	
Replacements	-
Additions	1
<i>Total</i>	1

Proposed Funding Sources:	
Rates	\$ -
Other (describe)	-
<i>Total</i>	\$ -

ASSET(S) TO BE REPLACED					
FPUA Asset Number	Description/Serial Number	Mileage / Age	Asset Condition	FY 2016 Maint. Cost	Recommended Disposition

FORT PIERCE UTILITIES AUTHORITY
FY 2018 Capital Budget Request - Project
82 - Water Reclamation

Project Title: Telemetry & Controls

Request #: 1

Project #: 803

Priority #: 2

Project Type: BLKT

Description of Project: Removal of 20+ year old equipment and replace with new networked for SCADA operation.

Location: WRF 403 Seaway Drive

Justification: FDEP mandates that all wastewater plants be fully secure and monitored 24 hours a day.

Alternatives: None

Describe any site preparation or removal of existing assets: Removal of existing structures

Impact to operating income: Safety Issue

Anticipated start date: 10/1/2017

Anticipated completion date: On-going

Project Manager: 5845 - Mark Kobbe

Purchase Required By: Efficiency/Safety

Contract Description	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
8372 - TREATMENT & DISPOSAL EQUIP (Water Recl)	10,000	10,000	10,000	10,000	10,000	50,000
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
<i>Totals</i>	10,000	10,000	10,000	10,000	10,000	50,000

<i>Actual Amount Spent 10/1/16- 3/31/17</i>	-
<i>Inception through 9/30/16</i>	-
<i>Estimated Cost for FY 2017</i>	10,000
<i>Inception through 9/30/17</i>	10,000

Proposed Funding Sources:	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
Rates	10,000	10,000	10,000	10,000	10,000	50,000
Contribution-in-Aid	-	-	-	-	-	-
Capital Improvement Charges	-	-	-	-	-	-
State Revolving Fund Loan	-	-	-	-	-	-
<i>Total</i>	10,000	10,000	10,000	10,000	10,000	50,000

FORT PIERCE UTILITIES AUTHORITY
FY 2018 Capital Budget Request - Project
82 - Water Reclamation

Project Title: Structural Replacements

Request #: 2
Project #: 804
Priority #: 3
Project Type: BLKT

Description of Project: Replacement of catwalks, stairways, and sidewalks

Location: IWRF 403 Seaway Drive

Justification: Moderate to severe corrosion and disrepair to pathways

Alternatives: None recommended

Describe any site preparation or removal of existing assets: Removal of existing equipment

Impact to operating income: If this project is not completed proactively the cost would be doubled.

Anticipated start date: 10/1/2017

Anticipated completion date: On-going

Project Manager: 5845 - Mark Kobbe

Purchase Required By: Efficiency/Safety

Contract Description	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
8371 - STRUCT & IMPRVMT (Water Reclamation)	25,000	25,000	25,000	25,000	25,000	125,000
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
<i>Totals</i>	25,000	25,000	25,000	25,000	25,000	125,000

<i>Actual Amount Spent 10/1/16- 3/31/17</i>	-
<i>Inception through 9/30/16</i>	-
<i>Estimated Cost for FY 2017</i>	25,000
<i>Inception through 9/30/17</i>	25,000

Proposed Funding Sources:	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
Rates	25,000	25,000	25,000	25,000	25,000	125,000
Contribution-in-Aid	-	-	-	-	-	-
Capital Improvement Charges	-	-	-	-	-	-
State Revolving Fund Loan	-	-	-	-	-	-
<i>Total</i>	25,000	25,000	25,000	25,000	25,000	125,000

FORT PIERCE UTILITIES AUTHORITY
FY 2018 Capital Budget Request - Project
82 - Water Reclamation

Project Title: Bar Screen Replacement

Request #: 3

Project #: _____

Priority #: 0

Project Type: STD

Description of Project: Bar Screen Replacement

Location: IWRF 403 Seaway Drive

Justification: No longer cost effective to rehab the existing bar screen.

Alternatives: Operate with the existing bar screen.

Describe any site preparation or removal of existing assets: Removal of the existing equipment.

Impact to operating income: If this project is not completed proactively, the cost would be doubled.

Anticipated start date: 10/1/2020

Anticipated completion date: 9/30/2021

Project Manager: 5845 - Mark Kobbe

Purchase Required By: Reliability

Contract Description	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
8372 - TREATMENT & DISPOSAL EQUIP (Water Recl)		-	-	135,000	-	135,000
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
<i>Totals</i>	-	-	-	135,000	-	135,000

<i>Actual Amount Spent 10/1/16- 3/31/17</i>	-
<i>Inception through 9/30/16</i>	-
<i>Estimated Cost for FY 2017</i>	-
<i>Inception through 9/30/17</i>	-

Proposed Funding Sources:	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
Rates		-	-	135,000	-	135,000
Contribution-in-Aid	-	-	-	-	-	-
Capital Improvement Charges	-	-	-	-	-	-
State Revolving Fund Loan	-	-	-	-	-	-
<i>Total</i>	-	-	-	135,000	-	135,000

FORT PIERCE UTILITIES AUTHORITY
FY 2018 Capital Budget Request - Project
82 - Water Reclamation

Project Title: Surge Tank Control Replacement

Request #: 4
Project #: 822
Priority #: 1
Project Type: STD

Description of Project: Replace existing controls

Location: IWRF 403 Seaway Drive

Justification: Existing controls are from the original design and repair parts are becoming difficult to obtain.

Alternatives: Continue to operate with existing system and when the stock of spare parts we currently have are gone, run the risk of a failure that we are unable to repair the existing equipment.

Describe any site preparation or removal of existing assets: Removal of existing equipment.

Impact to operating income: If this project is not completed proactively, the cost would increase.

Anticipated start date: 10/1/2017

Anticipated completion date: 9/30/2018

Project Manager: 5845 - Mark Kobbe

Purchase Required By: Reliability

Contract Description	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
8373 - DEEP INJECTION WELL (Water Reclamation)	30,000	-	-	-	-	30,000
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
<i>Totals</i>	30,000	-	-	-	-	30,000

<i>Actual Amount Spent 10/1/16- 3/31/17</i>	-
<i>Inception through 9/30/16</i>	-
<i>Estimated Cost for FY 2017</i>	-
<i>Inception through 9/30/17</i>	-

Proposed Funding Sources:	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
Rates	30,000	-	-	-	-	30,000
Contribution-in-Aid	-	-	-	-	-	-
Capital Improvement Charges	-	-	-	-	-	-
State Revolving Fund Loan	-	-	-	-	-	-
<i>Total</i>	30,000	-	-	-	-	30,000

FORT PIERCE UTILITIES AUTHORITY
FY 2018 Capital Budget Request - Project
82 - Water Reclamation

Project Title: W-2 System Upgrade

Request #: 5
Project #: _____
Priority #: 0
Project Type: STD

Description of Project: Installation of new pumps, motors, controls and piping

Location: IWRF 403 Seaway Drive

Justification: It is no longer efficient to continue to rebuild the pump and the control system has become obsolete.

Alternatives: Continue to run on the existing equipment

Describe any site preparation or removal of existing assets: Removal of existing equipment

Impact to operating income: If this project is not completed proactively the cost would be doubled.

Anticipated start date: 10/1/2018

Anticipated completion date: 9/30/2019

Project Manager: 5845 - Mark Kobbe

Purchase Required By: Reliability

Contract Description	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
8372 - TREATMENT & DISPOSAL EQUIP (Water Recl)	-	60,000	-	-	-	60,000
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
<i>Totals</i>	-	60,000	-	-	-	60,000

<i>Actual Amount Spent 10/1/16- 3/31/17</i>	-
<i>Inception through 9/30/16</i>	-
<i>Estimated Cost for FY 2017</i>	-
<i>Inception through 9/30/17</i>	-

Proposed Funding Sources:	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
Rates	-	60,000	-	-	-	60,000
Contribution-in-Aid	-	-	-	-	-	-
Capital Improvement Charges	-	-	-	-	-	-
State Revolving Fund Loan	-	-	-	-	-	-
<i>Total</i>	-	60,000	-	-	-	60,000

FORT PIERCE UTILITIES AUTHORITY
FY 2018 Capital Budget Request - Project
82 - Water Reclamation

Project Title: Septage Receiving Facility

Request #: 6

Project #: 823

Priority #: 4

Project Type: STD

Description of Project: Initial study on the feasibility of a septage/grease receiving facility

Location: City of Fort Pierce

Justification: The elimination of local dumping facilities has created a situation where as the local haulers have no means to dump the septage / grease they are removing from Fort Pierce Utilities Authority's Service territory.

Alternatives: Do not look into creating a facility which would adversely affect our customer and additionally may lead to an increase of illegal dumping which would adversely affect the environment.

Describe any site preparation or removal of existing assets: None

Impact to operating income: This project would result in an additional expense, as it would ultimately require additional staff. Could also entail additional chemicals depending on the process identified.

Anticipated start date: 10/1/2017

Anticipated completion date: 9/30/2018

Project Manager: 5845 - Mark Kobbe

Purchase Required By: Reliability

Contract Description	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
8372 - TREATMENT & DISPOSAL EQUIP (Water Recl)	50,000	-	-	-	-	50,000
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
<i>Totals</i>	50,000	-	-	-	-	50,000

<i>Actual Amount Spent 10/1/16- 3/31/17</i>	-
<i>Inception through 9/30/16</i>	-
<i>Estimated Cost for FY 2017</i>	-
<i>Inception through 9/30/17</i>	-

Proposed Funding Sources:	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
Rates	50,000	-	-	-	-	50,000
Contribution-in-Aid	-	-	-	-	-	-
Capital Improvement Charges	-	-	-	-	-	-
SRF Loan	-	-	-	-	-	-
<i>Total</i>	50,000	-	-	-	-	50,000

FORT PIERCE UTILITIES AUTHORITY
Capital Budget Request - Summary Sheet
FY 2018

Department Name: 84 - Wastewater Collection

Request Number	Project Title or Asset Name	Projected Costs						
		Est. Total Through 9/30/2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total 5 Years FY 2018-22
FA-1	Lift Station Pump Replacement	-	30,000	30,000	30,000	30,000	30,000	150,000
FA-2	1 Ton Pickup Truck	-	70,000	100,000	30,000	100,000	30,000	330,000
FA-3	L.S. "A" Pump Replacement	-	-	-	-	100,000	-	100,000
FA-4	Dry Prime By-pass Pump	-	-	30,000	-	-	-	30,000
1	Telemetry & Controls	56,903	50,000	50,000	50,000	50,000	50,000	250,000
2	Lift Station Improvements	100,101	100,000	100,000	100,000	100,000	100,000	500,000
3	Mains and Laterals R&R	628,383	375,000	375,000	375,000	375,000	375,000	1,875,000
4	Lift Station Control Panels	50,000	50,000	50,000	50,000	50,000	50,000	250,000
5	Wastewater Main Lining	867,151	450,000	450,000	450,000	450,000	450,000	2,250,000
6	Manhole Rehabilitation	173,887	100,000	100,000	100,000	100,000	100,000	500,000
Total		1,876,425	1,225,000	1,285,000	1,185,000	1,355,000	1,185,000	6,235,000

Request Number	Project Title or Asset Name	Priority Rating Area							
		I	II	III	IV	V	VI	Total Points	Dept. Head Rating
FA-1	Lift Station Pump Replacement	10	6	6	6	6	6	40	6
FA-2	1 Ton Pickup Truck	8	10	6	4	6	6	40	7
FA-3	L.S. "A" Pump Replacement							-	
FA-4	Dry Prime By-pass Pump							-	
1	Telemetry & Controls	8	10	6	2	2	6	34	8
2	Lift Station Improvements	10	6	3	6	2	2	29	5
3	Mains and Laterals R&R	10	8	6	6	6	2	38	1
4	Lift Station Control Panels	8	8	6	6	2	4	34	2
5	Wastewater Main Lining	8	8	6	6	2	4	34	3
6	Manhole Rehabilitation	8	8	6	6	2	4	34	4

Proposed Funding Sources:	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total 5 Years FY 2018-22
Rates	1,225,000	1,285,000	1,185,000	1,355,000	1,185,000	6,235,000
Contribution-in-Aid	-	-	-	-	-	-
Capital Improvement Charges	-	-	-	-	-	-
Total	1,225,000	1,285,000	1,185,000	1,355,000	1,185,000	6,235,000

FORT PIERCE UTILITIES AUTHORITY
FY 2018 Capital Budget Request - Fixed Asset
84 - Wastewater Collection

Fixed Asset Name: Lift Station Pump Replacement

Fixed Asset Description: Lift Station Pump Replacement

Request #: FA - 1
Fixed Asset #: 836118001
Priority #: 6

Justification We currently operate 117 lift stations with two (2) or three (3) pumps per station in an extremely harsh environment.
for Purchase: Pumps require upgrading due to community growth and the harsh conditions.

Alternatives: None that is deemed practical due to public health concerns and State, Federal, and Local regulations.

	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
Total Proposed Costs:	\$ 30,000	\$ 30,000	\$ 30,000	\$ 30,000	\$ 30,000	\$ 150,000

Anticipated Purchase Date: 10/1/2018

Project Manager: 5845 - Mark Kobbe

Purchase Required By: R&R

Class ID: 8361 - STRUCTURES & IMPR. - LIFT STA.

FY 2018 COST BREAKDOWN			
Cost Estimate:	Quantity	Per Unit	Total Cost
Purchase Price	6	\$ 5,000	\$ 30,000
Delivery	-	-	-
Installation	-	-	-
Trade-In	-	-	-
Other	-	-	-
<i>Totals</i>			\$ 30,000

Areas:	
Scheduled Replacement	
Replace Obsolete Equipment	
Replace Worn Out Equipment	x
Reduce Personnel Time	
Expand Service	
Other	
New Operation	
Improve Operations	

Quantity	
Replacements	-
Additions	-
<i>Total</i>	-

Proposed Funding Sources:	
Rates	\$ 30,000
Other (describe)	-
<i>Total</i>	\$ 30,000

ASSET(S) TO BE REPLACED					
FPUA Asset Number	Description/Serial Number	Mileage / Age	Asset Condition	FY 2016 Maint. Cost	Recommended Disposition

FORT PIERCE UTILITIES AUTHORITY
FY 2018 Capital Budget Request - Fixed Asset
84 - Wastewater Collection

Fixed Asset Name: 1 Ton Pickup Truck

Fixed Asset Description: Service Truck & Equip

Justification for Purchase: FY-18 replace 2 service trucks, FY-19 replace 1 boom truck, FY-20 replace 1 service truck, FY-21 replace one boom truck, FY-22 replace 1 service truck

Request #: FA - 2
Fixed Asset #: 839218002
Priority #: 7

Alternatives: Do not replace and it will lessen FPUA's ability to continue providing quality service in a timely manner to customers.

	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
Total Proposed Costs:	\$ 70,000	\$ 100,000	\$ 30,000	\$ 100,000	\$ 30,000	\$ 330,000

Anticipated Purchase Date: 10/1/2018

Project Manager: 5845 - Mark Kobbe

Purchase Required By: Efficiency/Safety

Class ID: 8392 - VEHICLES

FY 2018 COST BREAKDOWN			
Cost Estimate:	Quantity	Per Unit	Total Cost
Purchase Price	2	\$ 35,000	70,000
Delivery	-	-	-
Installation	-	-	-
Trade-In	-	-	-
Other	-	-	-
<i>Totals</i>			\$ 70,000

Areas:	
Scheduled Replacement	
Replace Obsolete Equipment	
Replace Worn Out Equipment	x
Reduce Personnel Time	
Expand Service	
Other	
New Operation	
Improve Operations	

Quantity	
Replacements	2
Additions	-
<i>Total</i>	2

Proposed Funding Sources:	
Rates	\$ 70,000
Other (describe)	-
<i>Total</i>	\$ 70,000

ASSET(S) TO BE REPLACED					
FPUA Asset Number	Description/Serial Number	Mileage / Age	Asset Condition	FY 2016 Maint. Cost	Recommended Disposition
21-374	GMC 1 TON UTILITY GDJC34U32E299981	2002/124,810	Fair	\$3,251.00	Auction
21-376	GMC 1 TON UTILITY GDJC34U82E277944	2002/153,000	Fair	\$4,361.00	Auction

FORT PIERCE UTILITIES AUTHORITY
FY 2018 Capital Budget Request - Fixed Asset
84 - Wastewater Collection

Fixed Asset Name: L.S. "A" Pump Replacement

Fixed Asset Description: L.S. "A" Pump Replacement

Justification for Purchase: In order to provide redundancy in reliability in the most critical lift station of FPUA

Request #: FA - 3
Fixed Asset #: _____
Priority #: 0

Alternatives: None that is deemed practical due to public health concerns and State, Federal, and Local regulations.

	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
Total Proposed Costs:	\$ -	\$ -	\$ -	\$ 100,000	\$ -	\$ 100,000

Anticipated Purchase Date: 10/1/2018

Project Manager: 5845 - Mark Kobbe

Purchase Required By: Reliability

Class ID: 8363 - ELECTRIC PUMPING EQUIPMENT

FY 2018 COST BREAKDOWN			
Cost Estimate:	Quantity	Per Unit	Total Cost
Purchase Price	-	\$ -	\$ -
Delivery	-	-	-
Installation	-	-	-
Trade-In	-	-	-
Other	-	-	-
<i>Totals</i>			\$ -

Areas:	
Scheduled Replacement	
Replace Obsolete Equipment	
Replace Worn Out Equipment	x
Reduce Personnel Time	
Expand Service	
Other	
New Operation	
Improve Operations	

Quantity	
Replacements	-
Additions	-
<i>Total</i>	-

Proposed Funding Sources:	
Rates	\$ -
Other (describe)	-
<i>Total</i>	\$ -

ASSET(S) TO BE REPLACED					
FPUA Asset Number	Description/Serial Number	Mileage / Age	Asset Condition	FY 2016 Maint. Cost	Recommended Disposition

FORT PIERCE UTILITIES AUTHORITY
FY 2018 Capital Budget Request - Fixed Asset
84 - Wastewater Collection

Fixed Asset Name: Dry Prime By-pass Pump

Fixed Asset Description: Dry Prime By-pass Pump

Justification for Purchase: Emergency By-pass pumping of lift stations.

Alternatives: No practical alternatives in maintaining reliability.

Request #: FA - 4
Fixed Asset #: _____
Priority #: 0

Total Proposed Costs:

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
\$ -	\$ 30,000	\$ -	\$ -	\$ -	\$ 30,000

Anticipated Purchase Date: 10/1/2018

Project Manager: 5845 - Mark Kobbe

Purchase Required By: Reliability

Class ID: 8365 - OTHER PUMPING EQUIPMENT

FY 2018 COST BREAKDOWN			
Cost Estimate:	Quantity	Per Unit	Total Cost
Purchase Price	-	\$ -	\$ -
Delivery	-	-	-
Installation	-	-	-
Trade-In	-	-	-
Other	-	-	-
<i>Totals</i>			\$ -

Areas:	
Scheduled Replacement	
Replace Obsolete Equipment	
Replace Worn Out Equipment	x
Reduce Personnel Time	
Expand Service	
Other	
New Operation	
Improve Operations	

Quantity	
Replacements	-
Additions	-
<i>Total</i>	-

Proposed Funding Sources:	
Rates	\$ -
Other (describe)	-
<i>Total</i>	\$ -

ASSET(S) TO BE REPLACED					
FPUA Asset Number	Description/Serial Number	Mileage / Age	Asset Condition	FY 2016 Maint. Cost	Recommended Disposition

FORT PIERCE UTILITIES AUTHORITY
FY 2018 Capital Budget Request - Project
84 - Wastewater Collection

Project Title: Telemetry & Controls

Request #: 1
Project #: 801
Priority #: 8
Project Type: BLKT

Description of Project: New installations and upgrades to SCADA

Location: Lift Station

Justification: New Lift Stations coming on-line due to development and upgrades to existing equipment.

Alternatives: Manually check all lift stations and physically operate in emergencies. This would require additional personnel to be hired, as well as excessive time.

Describe any site preparation or removal of existing assets: None

Impact to operating income: If this project was not completed proactively the cost would be doubled.

Anticipated start date: 10/1/2017

Anticipated completion date: On-going

Project Manager: 5845 - Mark Kobbe

Purchase Required By: FDEP

Contract Description	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
8363 - ELECTRIC PUMPING EQUIPMENT (Lift Stations)	50,000	50,000	50,000	50,000	50,000	250,000
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
<i>Totals</i>	50,000	50,000	50,000	50,000	50,000	250,000

Actual Amount Spent 10/1/16- 3/31/17 8,005

<i>Inception through 9/30/16</i>	6,903
<i>Estimated Cost for FY 2017</i>	50,000
<i>Est. FY 2017 Budget Carryover</i>	-
<i>Estimated Total Through 9/30/17</i>	56,903

Proposed Funding Sources:	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
Rates	50,000	50,000	50,000	50,000	50,000	250,000
Contribution-in-Aid	-	-	-	-	-	-
Capital Improvement Charges	-	-	-	-	-	-
<i>Total</i>	50,000	50,000	50,000	50,000	50,000	250,000

FORT PIERCE UTILITIES AUTHORITY
FY 2018 Capital Budget Request - Project
84 - Wastewater Collection

Project Title: Lift Station Improvements

Request #: 2

Project #: 802

Priority #: 5

Project Type: BLKT

Description of Project: Rebuild and/or renovate wastewater lift stations based on asset review prioritization data.

Location: Lift Stations

Justification: Upgrade substandard or deteriorated lift stations.

Alternatives: Allow lift stations to continue to deteriorate and accept the high maintenance costs, poor service quality, decreased reliability and high future replacement costs.

Describe any site preparation or removal of existing assets: Remove old pumps and equipment.

Impact to operating income: If this project was not completed proactively the cost would be doubled.

Anticipated start date: 10/1/2017

Anticipated completion date: On-going

Project Manager: 5845 - Mark Kobbe

Purchase Required By: FDEP

Contract Description	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
8361 - STRUCT & IMPRVMT (Lift Stations)	100,000	100,000	100,000	100,000	100,000	500,000
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
<i>Totals</i>	100,000	100,000	100,000	100,000	100,000	500,000

Actual Amount Spent 10/1/16- 3/31/17 -

<i>Inception through 9/30/16</i>	101
<i>Estimated Cost for FY 2017</i>	100,000
<i>Est. FY 2017 Budget Carryover</i>	-
<i>Estimated Total Through 9/30/17</i>	100,101

Proposed Funding Sources:	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
Rates	100,000	100,000	100,000	100,000	100,000	500,000
Contribution-in-Aid	-	-	-	-	-	-
Capital Improvement Charges	-	-	-	-	-	-
<i>Total</i>	100,000	100,000	100,000	100,000	100,000	500,000

FORT PIERCE UTILITIES AUTHORITY
FY 2018 Capital Budget Request - Project
84 - Wastewater Collection

Project Title: Mains and Laterals R&R

Request #: 3

Project #: 805

Priority #: 1

Project Type: BLKT

Description of Project: Replace defective, deteriorated or failing gravity sewer mains and laterals.

Location: Service area

Justification: Due to the age and deteriorated condition of the clay pipe infrastructure, failure rates and service interruptions frequently occur. This has a negative effect on the quality and reliability of service to our customers.

Alternatives: Do nothing and accept increased complaints, liability for road damage by collapses and higher future replacement costs. These are not practical alternatives, as they have a negative effect on FPUA's reputation and present potentially serious safety hazards for the traveling public.

Describe any site preparation or removal of existing assets: Remove damaged mains and laterals.

Impact to operating income: If this project was not completed proactively and emergency repairs were required FPUA could expect a 300% increase.

Anticipated start date: 10/1/2017

Anticipated completion date: On-going

Project Manager: 5845 - Mark Kobbe

Purchase Required By: FDEP

Contract Description	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
8352 - MAINS (Wastewater Collections)	250,000	250,000	250,000	250,000	250,000	1,250,000
8353 - SERVICE LINES (Wastewater Collections)	125,000	125,000	125,000	125,000	125,000	625,000
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
<i>Totals</i>	375,000	375,000	375,000	375,000	375,000	1,875,000

Actual Amount Spent 10/1/16- 3/31/17 70,624

<i>Inception through 9/30/16</i>	253,383
<i>Estimated Cost for FY 2017</i>	375,000
<i>Est. FY 2017 Budget Carryover</i>	-
<i>Estimated Total Through 9/30/17</i>	628,383

Proposed Funding Sources:	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
Rates	375,000	375,000	375,000	375,000	375,000	1,875,000
Contribution-in-Aid	-	-	-	-	-	-
Capital Improvement Charges	-	-	-	-	-	-
<i>Total</i>	375,000	375,000	375,000	375,000	375,000	1,875,000

FORT PIERCE UTILITIES AUTHORITY
FY 2018 Capital Budget Request - Project
84 - Wastewater Collection

Project Title: Lift Station Control Panels

Request #: 4

Project #: 806

Priority #: 2

Project Type: BLKT

Description of Project: Replace deteriorated or substandard lift station control panels based on item assessment and prioritization.

Location: Service area

Justification: Upgrade substandard or deteriorated control panels to prevent equipment failure resulting in sanitary sewer overflows.

Alternatives: Allow lift station control panels to continue to deteriorate and accept higher maintenance costs, poor service, decreased reliability and high future replacement costs.

Describe any site preparation or removal of existing assets: Removal of old control panels and wiring.

Impact to operating income: If this project was not completed proactively and emergency repairs were required FPUA could expect a 100% increase.

Anticipated start date: 10/1/2017

Anticipated completion date: On-going

Project Manager: 5845 - Mark Kobbe

Purchase Required By: FDEP

Contract Description	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
8363 - ELECTRIC PUMPING EQUIPMENT (Lift Stations)	50,000	50,000	50,000	50,000	50,000	250,000
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
<i>Totals</i>	50,000	50,000	50,000	50,000	50,000	250,000

Actual Amount Spent 10/1/16- 3/31/17 -

<i>Inception through 9/30/16</i>	-
<i>Estimated Cost for FY 2017</i>	50,000
<i>Est. FY 2017 Budget Carryover</i>	-
<i>Estimated Total Through 9/30/17</i>	50,000

Proposed Funding Sources:	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
Rates	50,000	50,000	50,000	50,000	50,000	250,000
Contribution-in-Aid	-	-	-	-	-	-
Capital Improvement Charges	-	-	-	-	-	-
<i>Total</i>	50,000	50,000	50,000	50,000	50,000	250,000

FORT PIERCE UTILITIES AUTHORITY
FY 2018 Capital Budget Request - Project
84 - Wastewater Collection

Project Title: Wastewater Main Lining

Request #: 5

Project #: 815

Priority #: 3

Project Type: BLKT

Description of Project: Wastewater Main Lining

Location: Service area

Justification: Rehabilitation of damaged clay gravity mains by insertion of a lining material, which seals leaks at joints and pipe wall cracks. In most cases, this is a more cost effective repair method than excavating for replacements, which requires expensive road restoration.

Alternatives: Do nothing and accept increased complaints, liability for road damage by collapses and higher future replacement costs. These are not practical alternatives, as they have a negative effect on FPUA's reputation and present potentially serious safety hazards for the traveling public.

Describe any site preparation or removal of existing assets: None

Impact to operating income: If this project was not completed proactively and emergency repairs were required FPUA could expect a 300% increase.

Anticipated start date: 10/1/2017

Anticipated completion date: On-going

Project Manager: 5845 - Mark Kobbe

Purchase Required By: FDEP

Contract Description	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
8352 - MAINS (Wastewater Collections)	450,000	450,000	450,000	450,000	450,000	2,250,000
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
<i>Totals</i>	450,000	450,000	450,000	450,000	450,000	2,250,000

Actual Amount Spent 10/1/16- 3/31/17 4,582

<i>Inception through 9/30/16</i>	417,151
<i>Estimated Cost for FY 2017</i>	450,000
<i>Est. FY 2017 Budget Carryover</i>	-
<i>Estimated Total Through 9/30/17</i>	867,151

Proposed Funding Sources:	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
Rates	450,000	450,000	450,000	450,000	450,000	2,250,000
Contribution-in-Aid	-	-	-	-	-	-
Capital Improvement Charges	-	-	-	-	-	-
<i>Total</i>	450,000	450,000	450,000	450,000	450,000	2,250,000

FORT PIERCE UTILITIES AUTHORITY
FY 2018 Capital Budget Request - Project
84 - Wastewater Collection

Project Title: Manhole Rehabilitation

Request #: 6

Project #: 816

Priority #: 4

Project Type: BLKT

Description of Project: Rehabilitation of damaged and deteriorated sanitary sewer manholes.

Location: Service area

Justification: Rehabilitation of damaged brick manholes by performing structural repairs, which eliminates infiltration and further deterioration of the manhole.

Alternatives: Do nothing and accept increased complaints, liability for road damage by collapses and higher future replacement costs. These are not practical alternatives, as they have a negative effect on FPUA's reputation and present serious safety hazards for the traveling public.

Describe any site preparation or removal of existing assets: None

Impact to operating income: If this project was not completed proactively and emergency repairs were required FPUA could expect a 200% increase.

Anticipated start date: 10/1/2017

Anticipated completion date: On-going

Project Manager: 5845 - Mark Kobbe

Purchase Required By: FDEP

Contract Description	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
8352 - MAINS (Wastewater Collections)	100,000	100,000	100,000	100,000	100,000	500,000
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
<i>Totals</i>	100,000	100,000	100,000	100,000	100,000	500,000

Actual Amount Spent 10/1/16- 3/31/17 27,480

<i>Inception through 9/30/16</i>	73,887
<i>Estimated Cost for FY 2017</i>	100,000
<i>Est. FY 2017 Budget Carryover</i>	-
<i>Estimated Total Through 9/30/17</i>	173,887

Proposed Funding Sources:	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
Rates	100,000	100,000	100,000	100,000	100,000	500,000
Contribution-in-Aid	-	-	-	-	-	-
Capital Improvement Charges	-	-	-	-	-	-
<i>Total</i>	100,000	100,000	100,000	100,000	100,000	500,000

FORT PIERCE UTILITIES AUTHORITY
Capital Budget Request - Summary Sheet
FY 2018

Department Name: 93 - FPUAnet Communications

Request Number	Project Title or Asset Name	Projected Costs						
		Est. Total Through 9/30/2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total 5 Years FY 2018-22
1	FPUAnet Communication Services	136,309	99,000	110,000	124,000	139,000	155,000	627,000
2	FPUAnet Wireless Communication	27,400	36,000	40,000	45,000	50,000	56,000	227,000
3	FPUAnet Regional Connections	89,400	68,000	34,000	9,000	9,000	18,000	138,000
4	FPUAnet Communications - IRC	20,100	10,000	11,000	11,000	9,000	5,000	46,000
5	FPUAnet Communications - MC	20,100	10,000	11,000	11,000	9,000	5,000	46,000
6	FPUAnet Communications to FLR	16,500	16,000	18,000	-	-	-	34,000
Total		309,809	239,000	224,000	200,000	216,000	239,000	1,118,000

Request Number	Project Title or Asset Name	Priority Rating Area							
		I	II	III	IV	V	VI	Total Points	Dept. Head Rating
1	FPUAnet Communication Services		10	8	6		6	30	1
2	FPUAnet Wireless Communication		10	8	6		6	30	5
3	FPUAnet Regional Connections		10	8	6		6	30	2
4	FPUAnet Communications - IRC		10	8	6		4	28	3
5	FPUAnet Communications - MC		10	8	6		4	28	4
6	FPUAnet Communications to FLR		10	8	6		6	30	6

Proposed Funding Sources:	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total 5 Years FY 2018-22
Rates	210,000	198,000	176,000	192,000	213,000	989,000
Contribution-in-Aid	29,000	26,000	24,000	24,000	26,000	129,000
Capital Improvement Charges	-	-	-	-	-	-
Total	239,000	224,000	200,000	216,000	239,000	1,118,000

FORT PIERCE UTILITIES AUTHORITY
FY 2018 Capital Budget Request - Project
93 - FPUAnet Communications

Project Title: FPUAnet Communication Services

Request #: 1

Project #: 914

Priority #: 1

Project Type: BLKT

Description of Project: Installations and networking to provide FPUAnet Communications services to external customers.

Location: FPUAnet Service Territory

Justification: Enhance economic development, increase revenue for FPUA and the City of Fort Pierce, and help improve utility rates. FPUA investment is generally recovered within one to ten years.

Alternatives: Deny new FPUAnet Communications services to customers. This would reduce the benefits of new services, including improved economic development, additional revenue and improved utility rates.

Describe any site preparation or removal of existing assets: None

Impact to operating income: Each new service in this project is evaluated and priced to produce an average of \$3,150 positive net operating income annually.

Anticipated start date: Ongoing

Anticipated completion date: Ongoing

Project Manager: 6146 - Don Landin

Purchase Required By: Growth

Contract Description	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
9366 - UNDERGROUND CONDUIT	10,000	10,000	10,000	15,000	15,000	60,000
9375 - FIBER OPTIC CABLE	79,000	90,000	104,000	109,000	125,000	507,000
9397 - COMMUNICATION EQUIPMENT	10,000	10,000	10,000	15,000	15,000	60,000
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
<i>Totals</i>	99,000	110,000	124,000	139,000	155,000	627,000

Actual Amount Spent 10/1/16- 3/31/17 12,272

<i>Inception through 9/30/16</i>	14,509
<i>Estimated Cost for FY 2017</i>	121,800
<i>Est. FY 2017 Budget Carryover</i>	-
<i>Estimated Total Through 9/30/17</i>	136,309

Proposed Funding Sources:	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
Rates	89,000	99,000	112,000	125,000	139,000	564,000
Contribution-in-Aid	10,000	11,000	12,000	14,000	16,000	63,000
Capital Improvement Charges						-
<i>Total</i>	99,000	110,000	124,000	139,000	155,000	627,000

FORT PIERCE UTILITIES AUTHORITY
FY 2018 Capital Budget Request - Project
93 - FPUAnet Communications

Project Title: FPUAnet Wireless Communication

Request #: 2

Project #: 916

Priority #: 5

Project Type: BLKT

Description of Project: Wireless network extensions to provide FPUAnet Communications services to external customers.

Location: FPUAnet Service Territory

Justification: Enhance economic development, increase revenue for FPUA and the City of Fort Pierce, and help improve utility rates. FPUA investment is generally recovered within one to ten years.

Alternatives: Deny new FPUAnet Communications services to customers. This would reduce the benefits of new services, including improved economic development, additional revenue and improved utility rates.

Describe any site preparation or removal of existing assets: None

Impact to operating income: Each new service in this project is evaluated and priced to produce an average of \$2,950 positive net operating income annually.

Anticipated start date: Ongoing

Anticipated completion date: Ongoing

Project Manager: 6146 - Don Landin

Purchase Required By: Growth

Contract Description	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
9366 - UNDERGROUND CONDUIT	2,000	2,000	2,500	2,500	3,000	12,000
9375 - FIBER OPTIC CABLE	2,000	2,000	2,500	2,500	3,000	12,000
9397 - COMMUNICATION EQUIPMENT	32,000	36,000	40,000	45,000	50,000	203,000
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
<i>Totals</i>	36,000	40,000	45,000	50,000	56,000	227,000

Actual Amount Spent 10/1/16- 3/31/17 10,770

<i>Inception through 9/30/16</i>	6,300
<i>Estimated Cost for FY 2017</i>	21,100
<i>Est. FY 2017 Budget Carryover</i>	-
<i>Estimated Total Through 9/30/17</i>	27,400

Proposed Funding Sources:	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
Rates	32,000	36,000	40,000	45,000	50,000	203,000
Contribution-in-Aid	4,000	4,000	5,000	5,000	6,000	24,000
Capital Improvement Charges	-	-	-	-	-	-
<i>Total</i>	36,000	40,000	45,000	50,000	56,000	227,000

FORT PIERCE UTILITIES AUTHORITY
FY 2018 Capital Budget Request - Project
93 - FPUAnet Communications

Project Title: FPUAnet Regional Connections

Request #: 3

Project #: 917

Priority #: 2

Project Type: BLKT

Description of Project: Interconnect the FPUA network with other local governmental networks, such as Martin, Indian River and Palm Beach counties. Expands the reach of new FPUAnet services beyond FPUA's network.

Location: Indian River, Saint Lucie, Martin, Palm Beach, and Okeechobee Counties

Justification: Enhance regional economic development, increase revenue for FPUA, and help improve utility rates. FPUA investment is generally recovered within three to five years.

Alternatives: Deny these new FPUAnet Communications services to customers. This would reduce the benefits of new services, including improved regional economic development, additional revenue and improved utility rates.

Describe any site preparation or removal of existing assets: None

Impact to operating income: This project is expected to increase operating income by over \$54,000 annually through cost savings.

Anticipated start date: Ongoing

Anticipated completion date: Ongoing

Project Manager: 6146 - Don Landin

Purchase Required By: Growth

Contract Description	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
9366 - UNDERGROUND CONDUIT	20,000	9,000	1,000	1,000	5,000	36,000
9375 - FIBER OPTIC CABLE	42,000	22,000	7,000	7,000	10,000	88,000
9397 - COMMUNICATION EQUIPMENT	6,000	3,000	1,000	1,000	3,000	14,000
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
<i>Totals</i>	68,000	34,000	9,000	9,000	18,000	138,000

Actual Amount Spent 10/1/16- 3/31/17 -

<i>Inception through 9/30/16</i>	-
<i>Estimated Cost for FY 2017</i>	89,400
<i>Est. FY 2017 Budget Carryover</i>	-
<i>Estimated Total Through 9/30/17</i>	89,400

Proposed Funding Sources:	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
Rates	61,000	31,000	8,000	8,000	16,000	124,000
Contribution-in-Aid	7,000	3,000	1,000	1,000	2,000	14,000
Capital Improvement Charges	-	-	-	-	-	-
<i>Total</i>	68,000	34,000	9,000	9,000	18,000	138,000

FORT PIERCE UTILITIES AUTHORITY
FY 2018 Capital Budget Request - Project
93 - FPUAnet Communications

Project Title: FPUAnet Communications - IRC

Request #: 4

Project #: 918

Priority #: 3

Project Type: BLKT

Description of Project: Installations and networking to provide FPUAnet Communications services to external customers through the communications infrastructure of the Indian River County fiber optic Consortium.

Location: Indian River County

Justification: Enhance Regional economic development, increase revenue for FPUA, and help improve utility rates. FPUA investment is generally recovered within three to five years.

Alternatives: Deny these new FPUAnet Communications services to customers. This would reduce the benefits of new services , including improved economic development, additional revenue and improved utility rates

Describe any site preparation or removal of existing assets: None

Impact to operating income: Each new service in this project is evaluated and priced to produce an average of \$3,150 positive net operating income annually.

Anticipated start date: 10/1/2017

Anticipated completion date: Ongoing

Project Manager: 6146 - Don Landin

Purchase Required By: Growth

Contract Description	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
9366 - UNDERGROUND CONDUIT	1,000	1,000	1,000	1,000	1,000	5,000
9375 - FIBER OPTIC CABLE	8,000	9,000	9,000	7,000	3,000	36,000
9397 - COMMUNICATION EQUIPMENT	1,000	1,000	1,000	1,000	1,000	5,000
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
<i>Totals</i>	10,000	11,000	11,000	9,000	5,000	46,000

Actual Amount Spent 10/1/16- 3/31/17 -

<i>Inception through 9/30/16</i>	-
<i>Estimated Cost for FY 2017</i>	20,100
<i>Est. FY 2017 Budget Carryover</i>	-
<i>Estimated Total Through 9/30/17</i>	20,100

Proposed Funding Sources:	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
Rates	7,000	8,000	8,000	7,000	4,000	34,000
Contribution-in-Aid	3,000	3,000	3,000	2,000	1,000	12,000
Capital Improvement Charges						-
<i>Total</i>	10,000	11,000	11,000	9,000	5,000	46,000

FORT PIERCE UTILITIES AUTHORITY
FY 2018 Capital Budget Request - Project
93 - FPUAnet Communications

Project Title: FPUAnet Communications - MC

Request #: 5

Project #: 919

Priority #: 4

Project Type: BLKT

Description of Project: Installations and networking to provide FPUAnet Communications services to external customers through the communications infrastructure of Martin County BOCC

Location: Martin County

Justification: Enhance Regional economic development, increase revenue for FPUA, and help improve utility rates. FPUA investment is generally recovered within three to five years.

Alternatives: Deny these new FPUAnet Communications services to customers. This would reduce the benefits of new services , including improved economic development, additional revenue and improved utility rates

Describe any site preparation or removal of existing assets: None

Impact to operating income: Each new service in this project is evaluated and priced to produce an average of \$3,150 positive net operating income annually.

Anticipated start date: 10/1/2017

Anticipated completion date: Ongoing

Project Manager: 6146 - Don Landin

Purchase Required By: Growth

Contract Description	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
9366 - UNDERGROUND CONDUIT	1,000	1,000	1,000	1,000	1,000	5,000
9375 - FIBER OPTIC CABLE	8,000	9,000	9,000	7,000	3,000	36,000
9397 - COMMUNICATION EQUIPMENT	1,000	1,000	1,000	1,000	1,000	5,000
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
<i>Totals</i>	10,000	11,000	11,000	9,000	5,000	46,000

Actual Amount Spent 10/1/16- 3/31/17 -

<i>Inception through 9/30/16</i>	-
<i>Estimated Cost for FY 2017</i>	20,100
<i>Est. FY 2017 Budget Carryover</i>	-
<i>Estimated Total Through 9/30/17</i>	20,100

Proposed Funding Sources:	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
Rates	7,000	8,000	8,000	7,000	4,000	34,000
Contribution-in-Aid	3,000	3,000	3,000	2,000	1,000	12,000
Capital Improvement Charges	-	-	-	-	-	-
<i>Total</i>	10,000	11,000	11,000	9,000	5,000	46,000

FORT PIERCE UTILITIES AUTHORITY
FY 2018 Capital Budget Request - Project
93 - FPUAnet Communications

Project Title: FPUAnet Communications to FLR

Request #: 6

Project #: 977

Priority #: 6

Project Type: STD

Description of Project: Connect to Florida LambdaRail (FLR) at a minimum of one Point of Presence (POP), to purchase for resale to Education, Research, and Government Internet, Internet2, as well as domestic and international Transport services

Location: Fort Pierce, Stuart, and Jacksonville or Orlando via inter-local resource sharing agreement(s).

Justification: Expand services offering to new and existing FPUAnet customers, by reselling connectivity to customers' national and international partners.

Alternatives: No practical alternative has been found for connecting education and research institutions nationally and internationally.

Describe any site preparation or removal of existing assets: None

Impact to operating income: Expanded capability to provide new services will increase operating income.

Anticipated start date: 10/1/2017

Anticipated completion date: 9/30/2019

Project Manager: 6146 - Don Landin

Purchase Required By: Growth

Contract Description	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
9366 - UNDERGROUND CONDUIT	1,000	1,000	-	-	-	2,000
9375 - FIBER OPTIC CABLE	1,000	1,000	-	-	-	2,000
9397 - COMMUNICATION EQUIPMENT	14,000	16,000	-	-	-	30,000
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
<i>Totals</i>	16,000	18,000	-	-	-	34,000

Actual Amount Spent 10/1/16- 3/31/17 -

<i>Inception through 9/30/16</i>	-
<i>Estimated Cost for FY 2017</i>	16,500
<i>Est. FY 2017 Budget Carryover</i>	-
<i>Estimated Total Through 9/30/17</i>	16,500

Proposed Funding Sources:	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
Rates	14,000	16,000	-	-	-	30,000
Contribution-in-Aid	2,000	2,000	-	-	-	4,000
Capital Improvement Charges	-	-	-	-	-	-
<i>Total</i>	16,000	18,000	-	-	-	34,000

FORT PIERCE UTILITIES AUTHORITY
FY 2018 Capital Budget Request - Project
21 - Finance

Proposed Funding Sources:	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 2018-2022
Carryover	2,000,000	-	-	-	-	2,000,000
Contingencies	500,000	-	-	-	-	500,000
<i>Total</i>	2,500,000	-	-	-	-	2,500,000