

NASSAU COUNTY, FL  
CAPITAL IMPROVEMENT PLAN  
FIVE YEAR WORK PROGRAM

\$50,000 OR GREATER CAPITAL PROJECTS

EXCLUDES FLEET EQUIPMENT-ON ROAD, OFF ROAD, SPECIAL PURPOSE OFF ROAD

CAPITAL IMPROVEMENT SUMMARY-POTENTIAL PROJECTS AND CHANGES

DATE: Annual CIP update FY17/18 - FY21/22, department submittal-potential projects

POTENTIAL PROJECTS

Dept.	Project Name	PRIORITY ORDER	Project Description	Potential Funding Sources											TOTAL 17-18 - 21-22 CAPITAL \$
					FY 17/18		FY 18/19		FY 19/20		FY 20/21		FY 21/22		
					Capital \$	Financial Operating Impact \$	Capital \$	Financial Operating Impact	Capital \$	Financial Operating Impact	Capital \$	Financial Operating Impact	Capital \$	Financial Operating Impact	
Fire Rescue	Station 30 Replacement & Relocation	1	Construction and relocation of Station 30 from Pages Dairy Rd site to ENCPA site		\$ 1,822,800	\$ 12,330		\$ 12,947		\$ 13,594		\$ 14,274		\$ 14,987	\$ 1,822,800
														\$ -	
														\$ -	
														\$ -	
														\$ -	
				Project Total	\$ 1,822,800	\$ 12,330	\$ -	\$ 12,947	\$ -	\$ 13,594	\$ -	\$ 14,274	\$ -	\$ 14,987	\$ 1,822,800
	Cardiac Monitor Replacement	1	Replace seven (7) LifePak 12 cardiac monitors that are nearing end of service lifespan		\$ 85,050		\$ 89,250		\$ 140,700						\$ 315,000
														\$ -	
														\$ -	
														\$ -	
														\$ -	
				Project Total	\$ 85,050	\$ -	\$ 89,250	\$ -	\$ 140,700	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 315,000
	Station 30 Improvements	1	Remodel public restroom & replace doors		\$ 55,000										\$ 55,000
														\$ -	
														\$ -	
														\$ -	
														\$ -	
				Project Total	\$ 55,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 55,000
	Station 70 Replacement & Relocation	3	Construction and relocation of Station 70 from Pine Grove Rd site to a future TBD site						\$ 2,009,637	\$ 9,578		\$ 10,057		\$ 10,560	\$ 2,009,637
														\$ -	
														\$ -	
														\$ -	
														\$ -	
				Project Total	\$ -	\$ -	\$ -	\$ -	\$ 2,009,637	\$ 9,578	\$ -	\$ 10,057	\$ -	\$ 10,560	\$ 2,009,637
	Station 90 Replacement	4	Construction of new Station 90 on existing property										\$ 2,215,625	\$ 8,616	\$ 2,215,625
														\$ -	
													\$ -		
													\$ -		
													\$ -		
			Project Total	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,215,625	\$ 8,616	\$ 2,215,625	
Station 40 Repaving	1	Repave the driveway leading from Station 40 to Pea Farm Road		\$ 75,130										\$ 75,130	
													\$ -		
													\$ -		
													\$ -		
													\$ -		
			Project Total	\$ 75,130	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 75,130	

NASSAU COUNTY, FL  
CAPITAL IMPROVEMENT PLAN  
FIVE YEAR WORK PROGRAM  
\$50,000 OR GREATER CAPITAL PROJECTS  
EXCLUDES FLEET EQUIPMENT-ON ROAD, OFF ROAD, SPECIAL PURPOSE OFF ROAD  
CAPITAL IMPROVEMENT SUMMARY-POTENTIAL PROJECTS AND CHANGES  
DATE: Annual CIP update FY17/18 - FY21/22, department submittal-potential projects

POTENTIAL PROJECTS

Dept.	Project Name	PRIORITY ORDER	Project Description	Potential Funding Sources											TOTAL 17-18 - 21-22 CAPITAL \$
					FY 17/18		FY 18/19		FY 19/20		FY 20/21		FY 21/22		
					Capital \$	Financial Operating Impact \$	Capital \$	Financial Operating Impact	Capital \$	Financial Operating Impact	Capital \$	Financial Operating Impact	Capital \$	Financial Operating Impact	
	Fire Truck-additional Tanker	1	Additional Tanker truck - mobile water supply apparatus		\$ 319,000	\$ 235,865		\$ 247,658		\$ 260,041		\$ 273,043		\$ 286,695	\$ 319,000
														\$ -	
														\$ -	
														\$ -	
				Project Total	\$ 319,000	\$ 235,865	\$ -	\$ 247,658	\$ -	\$ 260,041	\$ -	\$ 273,043	\$ -	\$ 286,695	\$ 319,000
	Fire Truck-additional Brush trucks (2)	1	Additional Brush trucks		\$ 142,000	\$ 235,865	\$ 148,600	\$ 495,317		\$ 520,082		\$ 546,086		\$ 573,391	\$ 290,600
															\$ -
															\$ -
															\$ -
				Project Total	\$ 142,000	\$ 235,865	\$ 148,600	\$ 495,317	\$ -	\$ 520,082	\$ -	\$ 546,086	\$ -	\$ 573,391	\$ 290,600
	Public Safety Training Facility	2	Construct Fire Rescue Training Facility in conjunction with Sheriff's Office		\$ 1,500,000	\$ 300		\$ 315		\$ 331		\$ 348		\$ 365	\$ 1,500,000
															\$ -
															\$ -
															\$ -
			Project Total	\$ 1,500,000	\$ 300	\$ -	\$ 315	\$ -	\$ 331	\$ -	\$ 348	\$ -	\$ 365	\$ 1,500,000	
Totals potential					\$ 3,998,980	\$ 484,360	\$ 237,850	\$ 756,236	\$ 2,150,337	\$ 803,626	\$ -	\$ 843,808	\$ 2,215,625	\$ 894,614	\$ 8,602,792

**NASSAU COUNTY, FL  
CAPITAL IMPROVEMENT PLAN  
FIVE YEAR WORK PROGRAM  
\$50,000 OR GREATER CAPITAL PROJECTS  
PROJECT SUMMARY**

**DATE:** Annual CIP update FY17/18 - FY21/22, department submittal-potential projects

**DEPARTMENT:** Fire Rescue

**Project Name:** Station 30 Replacement & Relocation

**Project Number:**

**Purpose & Justification:**

Fire Station 30 is currently cohabitating in the Yulee County building with the County Extension office and a public meeting room. The building was re-purposed to house fire rescue personnel, outdated, does not meet our needs, and is beyond economical rehabilitation. Station 30 is currently the busiest station in the County and needs a facility that meets all of the modern standards set forth for fire station construction. Note: A portion of the facility received updates to accommodate the Battalion Chief living quarters.

**Description & Location:**

Approximately 7,800 sq. ft. construction of a drive-through, three bay station to be located on property along SR 200 that has been allocated within the ENCPA by the developer. The Station will be relocated west of the railroad tracks and be the first due station to the Judicial Center, the I-95 corridor, Timber Creek, Plumbers Creek, and among other existing developments. Additionally, this station will serve ENCPA development to include the new schools and commercial buildings that are under construction.

**Potential Funding Sources: (Identify Both Initial Project and Recurring Operational Costs)**

Cost includes a 15% contingency. Increase in annual operating costs estimated \$12,330, assume 5% inflation.

**Total Capital Cost Breakdown By Category:**

CATEGORY	TOTAL COST
Property Acquisition	\$ -
Construction Costs	1,479,975
Professional Services	
Furnishings & Equipment	105,000
Contingency & Other	237,825
<b>TOTAL</b>	<b>\$ 1,822,800</b>

**Total Capital Cost Breakdown By Year:**

FISCAL YEAR	TOTAL COST
2017/2018	\$ 1,822,800
2018/2019	\$ -
2019/2020	\$ -
2020/2021	\$ -
2021/2022	\$ -
<b>TOTAL</b>	<b>\$ 1,822,800</b>

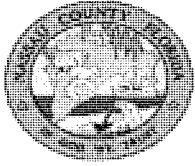
NCBCC

New Station 30 (Relocation and Reconstruction)

preliminary cost estimate

dated 1-30-15, 5-29-15, 5-27-16, 6-9-17

dated 1-30-15, 5-29-15, 5-27-16, 6-9-17		5%	1.05	
		FY15/16		
Item Description	Estimated Costs		FY16/17 <u>est cost</u>	FY17/18 <u>est cost</u>
<u>Sitework and Building</u>				
1 Earthwork	\$ 20,820			
2 Roadway	\$ 102,900			
3 Drainage	\$ 47,250			
4 Water	\$ 23,100			
5 Sanitary Sewer	\$ 35,805			
6 Misc Sundries Items	\$ 10,500			
7 Engineering Service	\$ 21,000			
8 Survey Service	\$ 3,675			
9 Site Constructions(includes misc additions)	\$ 94,500			
10 Building Construction 7,800 sq ft \$120/sq ft	\$ 982,800			
Total Sitework and Building	\$ 1,342,350		\$ 1,409,468	\$ 1,479,975
Contingency of 15%	\$ 202,150		\$ 211,420	\$ 221,996
Total Construction with 15% contingency	\$ 1,544,500		\$ 1,620,888	\$ 1,701,971
Furniture, appliances and other	\$ 52,500		\$ 100,000	\$ 105,000
contingency of 15%			\$ 15,000	\$ 15,750
Total Furniture, appliances and other			\$ 115,000	\$ 120,750
Total estimated costs FY14/15 dollars				
Total estimated costs FY15/16 dollars (5% inflation)	\$ 1,597,000			
Total estimated costs FY16/17 dollars (5% inflation)	\$ 1,677,000		\$ 1,735,888	
Total estimated costs FY17/18 dollars (5% inflation)	\$ 1,760,850			\$ 1,822,800
	\$ 1,761,000			



NASSAU COUNTY, FL  
CAPITAL IMPROVEMENT PLAN  
FIVE YEAR WORK PROGRAM  
FISCAL IMPACT OPERATING ANALYSIS (5.9 POLICIES)

PROJECT NAME: Station 30 Replacement & Relocation

FISCAL YEAR OPERATING IMPACT: 17/18

DEPARTMENT: Fire Rescue

0x xxx xxx	FY 2016/17	17/18	
Object Code	Estimate	Requested	Recommended

Total Revenues (External)	3xxxxx		
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Expenditures				
Regular Salaries w/ Step&COLA	512xxx			
Other Salaries	513xxx			
Overtime	514000			
FICA Taxes	521010			
Medicare	521020			
Retirement (FRS)	522000			
Life & Health Insurance	523010			
Workers' Compensation	524010			
Unemployment Compensation	525000			
<b>Total Personal Services</b>		-	-	-
Professional Services	531000			
Contractual Services	534000			
Travel & Per Diem	540000			
Communications	541000			
Postage	542000			
Utility Services	543000		5,820.00	
Rentals & Leases	544000			
Insurance	545000		6,510.00	
Repairs & Maintenance	546000			
Printing & Binding	547000			
Promotional Activities	548000			
Other Current Chrgs & Oblig	549000			
Office Supplies	551000			
Operating Supplies	552000			
Equipment less than \$750	552640			
Materials & Supply-Road&Bridge ONLY	553010			
Books, Dues & Subscrptns	554000			
Training	555000			
<b>Total Operating</b>		-	12,330.00	-
Permits	562113			
Buildings	562xxx			
Improvements	563xxx			
Equipment \$750 to \$4999 (Required)	564000			
Equipment greater than \$5000 (Required)	564001			
Books and Library Materials	566xxx			
<b>Total Capital (Equipment)</b>		-	-	-
Debt Service	57xxxx			
Grants & Aids	58xxxx			
Other Uses	59xxxx			
<b>Total Debt Service, Grants &amp; Other</b>		-	-	-
<b>TOTAL EXPENDITURES</b>		-	12,330.00	-

NASSAU COUNTY, FL  
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\$50,000 OR GREATER CAPITAL PROJECTS  
PROJECT SUMMARY

DATE: Annual CIP update FY17/18 - FY21/22, department submittal-potential projects

DEPARTMENT: Fire Rescue

Project Name: Cardiac Monitor Replacement

Project Number:

**Purpose & Justification:**

Currently the seven (7) advanced life support engine companies utilize the Physio-Control LifePak 12 cardiac monitor. These units will reach the end of their service life in 2018 and will require updating to the current model. Fire Rescue is requesting that these monitors be budgeted for over the next three fiscal years: FY 17/18, 2 monitors; FY 18/19, 2 monitors; FY 19/20, 3 monitors. Price based upon LifePak 15 purchased for additional rescue in FY 15/16 (PO 16-313) at \$35,052.16 each.

**Description & Location:**

These cardiac monitors will replace the seven (7) LifePak 12 cardiac monitors currently in service on the advanced life support engine companies throughout the County.

**Potential Funding Sources: (Identify Both Initial Project and Recurring Operational Costs)**

General appropriation. Cost includes a 10% contingency. Assume 5% annual inflation. No additional operating costs anticipated since there is a maintenance agreement on existing LifePak 12s.

**Total Capital Cost Breakdown By Category:**

CATEGORY	TOTAL COST
Property Acquisition	\$ -
Construction Costs	
Professional Services	
Furnishings & Equipment	286,264
Contingency & Other	28,736
<b>TOTAL</b>	<b>\$ 315,000</b>

**Total Capital Cost Breakdown By Year:**

FISCAL YEAR	TOTAL COST
2017/2018	\$ 85,050
2018/2019	\$ 89,250
2019/2020	\$ 140,700
2020/2021	\$ -
2021/2022	\$ -
<b>TOTAL</b>	<b>\$ 315,000</b>

**NASSAU COUNTY, FL  
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\$50,000 OR GREATER CAPITAL PROJECTS  
PROJECT SUMMARY**

**DATE:** Annual CIP update FY17/18 - FY21/22, department submittal-potential projects

**DEPARTMENT:** Fire Rescue

**Project Name:** Station 30 Remodel

**Project Number:**

**Purpose & Justification:**

Fire Station 30 is currently cohabitating in the Yulee County building with the County Extension office and a public meeting room. The building was re-purposed to house fire rescue personnel, is outdated, does not meet our needs, and is beyond economical rehabilitation. Remodel the public restroom to include an additional shower for the Officer's quarter and replace existing doors and related updates. In order to accommodate the addition of Battalion Chief 2 until new fire station 30 is constructed.

**Description & Location:**

Station 30 currently located on Pages Dairy Road, Yulee Florida.

**Potential Funding Sources: (Identify Both Initial Project and Recurring Operational Costs)**

General Appropriation. Cost includes a 10% contingency.

**Total Capital Cost Breakdown By Category:**

CATEGORY	TOTAL COST
Property Acquisition	\$ -
Construction Costs	50,000
Professional Services	
Furnishings & Equipment	
Contingency & Other	5,000
<b>TOTAL</b>	<b>\$ 55,000</b>

**Total Capital Cost Breakdown By Year:**

FISCAL YEAR	TOTAL COST
2017/2018	\$ 55,000
2018/2019	\$ -
2019/2020	\$ -
2020/2021	\$ -
2021/2022	\$ -
<b>TOTAL</b>	<b>\$ 55,000</b>

**NASSAU COUNTY, FL  
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\$50,000 OR GREATER CAPITAL PROJECTS  
PROJECT SUMMARY**

**DATE:** Annual CIP update FY17/18 - FY21/22, department submittal-potential projects

**DEPARTMENT:** Fire Rescue

**Project Name:** St 70 Relocation & Replacement

**Project Number:**

**Purpose & Justification:**

Station 70 is currently housed in a county community building that was repurposed to house fire rescue personnel. The facility is outdated and does not meet our needs. A temporary modular was placed next to the main building to house personnel. Station 70 needs a facility that meets all modern standards set forth for fire station construction.

**Description & Location:**

Station 70 is located on the expanding SR200 at 96031 Pine Grove Road, Fernandina. It is the first due response company for the unincorporated portion of Fernandina Beach as well as Nassauville and Yulee areas.

**Potential Funding Sources: (Identify Both Initial Project and Recurring Operational Costs)**

Four (4) acres of land in/around the Nassauville area will need to be identified and purchased. Sell existing fire station and land to offset cost of new site purchase. Cost includes a 15% contingency. Additional operating costs estimated at \$9,578 with 5% annual inflation.

**Total Capital Cost Breakdown By Category:**

CATEGORY	TOTAL COST
Property Acquisition	
Construction Costs	1,631,672
Professional Services	
Furnishings & Equipment	115,763
Contingency & Other	262,202
<b>TOTAL</b>	<b>\$ 2,009,637</b>

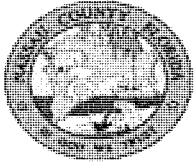
**Total Capital Cost Breakdown By Year:**

FISCAL YEAR	TOTAL COST
2017/2018	\$ -
2018/2019	\$ -
2019/2020	\$ 2,009,637
2020/2021	\$ -
2021/2022	\$ -
<b>TOTAL</b>	<b>\$ 2,009,637</b>



**NCBCC****Station 90 Replacement****preliminary cost estimate****dated 1-30-15, 5-29-15, 5-27-16, 6-9-17**

Item Description	5%		1.05
	FY15/16 Estimated Costs	FY16/17 <u>est cost</u>	<b>FY17/18</b> <u>est cost</u>
<u>Sitework and Building</u>			
1 Earthwork	\$ 20,820		
2 Roadway	\$ 102,900		
3 Drainage	\$ 47,250		
4 Water	\$ 23,100		
5 Sanitary Sewer	\$ 35,805		
6 Misc Sundries Items	\$ 10,500		
7 Engineering Service	\$ 21,000		
8 Survey Service	\$ 3,675		
9 Site Constructions(includes misc additions)	\$ 94,500		
10 Building Construction 7,800 sq ft \$120/sq ft	\$ 982,800		
Total Sitework and Building	\$ 1,342,350	\$ 1,409,468	\$ 1,479,975
Contingency of 15%	\$ 202,150	\$ 211,420	\$ 221,996
Total Construction with 15% contingency	\$ 1,544,500	\$ 1,620,888	\$ 1,701,971
Furniture, appliances and other	\$ 52,500	\$ 100,000	\$ 105,000
contingency of 15%		\$ 15,000	\$ 15,750
Total Furniture, appliances and other		\$ 115,000	\$ 120,750
Total estimated costs FY14/15 dollars			
Total estimated costs FY15/16 dollars (5% inflation)	\$ 1,597,000		
Total estimated costs FY16/17 dollars (5% inflation)	\$ 1,677,000	\$ 1,735,888	
Total estimated costs FY17/18 dollars (5% inflation)	\$ 1,760,850		\$ 1,822,800
Total estimated costs FY18/19 dollars (5% inflation)			\$ 1,913,940
Total estimated costs FY19/20 dollars (5% inflation)			<b>\$ 2,009,637</b>
Total estimated costs FY20/21 dollars (5% inflation)			\$ 2,110,119
Total estimated costs FY20/21 dollars (5% inflation)			\$ 2,215,625



NASSAU COUNTY, FL  
 CAPITAL IMPROVEMENT PLAN  
 FIVE YEAR WORK PROGRAM  
 FISCAL IMPACT OPERATING ANALYSIS (5.9 POLICIES)  
 PROJECT NAME: Station 70 Replacement  
 FISCAL YEAR OPERATING IMPACT: 19/20  
 DEPARTMENT: Fire Rescue

	0x xxx xxx Object Code	FY 2016/17 Estimate	19/20	
			Requested	Recommended
<b>Total Revenues (External)</b>	3xxxxx			
<b>Expenditures</b>				
Regular Salaries w/ Step&COLA	512xxx			
Other Salaries	513xxx			
Overtime	514000			
FICA Taxes	521010			
Medicare	521020			
Retirement (FRS)	522000			
Life & Health Insurance	523010			
Workers' Compensation	524010			
Unemployment Compensation	525000			
<b>Total Personal Services</b>		-	-	-
Professional Services	531000			
Contractual Services	534000			
Travel & Per Diem	540000			
Communications	541000			
Postage	542000			
Utility Services	543000		2,400.00	
Rentals & Leases	544000			
Insurance	545000		7,178.00	
Repairs & Maintenance	546000			
Printing & Binding	547000			
Promotional Activities	548000			
Other Current Chrgs & Oblig	549000			
Office Supplies	551000			
Operating Supplies	552000			
Equipment less than \$750	552640			
Materials & Supply-Road&Bridge ONLY	553010			
Books, Dues & Subscrptns	554000			
Training	555000			
<b>Total Operating</b>		-	9,578.00	-
Permits	562113			
Buildings	562xxx			
Improvements	563xxx			
Equipment \$750 to \$4999 (Required)	564000			
Equipment greater than \$5000 (Required)	564001			
Books and Library Materials	566xxx			
<b>Total Capital (Equipment)</b>		-	-	-
Debt Service	57xxxx			
Grants & Aids	58xxxx			
Other Uses	59xxxx			
<b>Total Debt Service, Grants &amp; Other</b>		-	-	-
<b>TOTAL EXPENDITURES</b>		-	9,578.00	-

NASSAU COUNTY, FL  
 CAPITAL IMPROVEMENT PLAN  
 FIVE YEAR WORK PROGRAM  
 \$50,000 OR GREATER CAPITAL PROJECTS  
 PROJECT SUMMARY

DATE: Annual CIP update FY17/18 - FY21/22, department submittal-potential projects

DEPARTMENT: Fire Rescue

Project Name: Station 90 Replacement

Project Number:

**Purpose & Justification:**

Station 90 is currently housed in a portable building remodeled to house personnel. Station 90 is situated on six (6) acres allowing room for construction of a permanent facility that meets all of the modern standards set forth for fire station construction. Apparatus is currently housed in a metal building detached from the portable building.

**Description & Location:**

Station 90 is located at 3195 SR 2, Hilliard.

**Potential Funding Sources: (Identify Both Initial Project and Recurring Operational Costs)**

Cost includes a 15% contingency. Additional operating costs estimated at \$8,616 beginning FY21/22.

**Total Capital Cost Breakdown By Category:**

CATEGORY	TOTAL COST
Property Acquisition	\$ -
Construction Costs	1,798,919
Professional Services	
Furnishings & Equipment	127,628
Contingency & Other	289,078
<b>TOTAL</b>	<b>\$ 2,215,625</b>

**Total Capital Cost Breakdown By Year:**

FISCAL YEAR	TOTAL COST
2017/2018	\$ -
2018/2019	\$ -
2019/2020	\$ -
2020/2021	\$ -
2021/2022	\$ 2,215,625
<b>TOTAL</b>	<b>\$ 2,215,625</b>

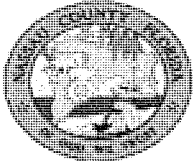
**NCBCC**

**Station 90 Replacement**

**preliminary cost estimate**

**dated 1-30-15, 5-29-15, 5-27-16, 6-9-17**

Item Description	5%		1.05
	FY15/16 Estimated Costs	FY16/17 <u>est cost</u>	FY17/18 <u>est cost</u>
<u>Sitework and Building</u>			
1 Earthwork	\$ 20,820		
2 Roadway	\$ 102,900		
3 Drainage	\$ 47,250		
4 Water	\$ 23,100		
5 Sanitary Sewer	\$ 35,805		
6 Misc Sundries Items	\$ 10,500		
7 Engineering Service	\$ 21,000		
8 Survey Service	\$ 3,675		
9 Site Constructions(includes misc additions)	\$ 94,500		
10 Building Construction 7,800 sq ft \$120/sq ft	\$ 982,800		
Total Sitework and Building	\$ 1,342,350	\$ 1,409,468	\$ 1,479,975
Contingency of 15%	\$ 202,150	\$ 211,420	\$ 221,996
Total Construction with 15% contingency	\$ 1,544,500	\$ 1,620,888	\$ 1,701,971
Furniture, appliances and other	\$ 52,500	\$ 100,000	\$ 105,000
contingency of 15%		\$ 15,000	\$ 15,750
Total Furniture, appliances and other		\$ 115,000	\$ 120,750
Total estimated costs FY14/15 dollars			
Total estimated costs FY15/16 dollars (5% inflation)	\$ 1,597,000		
Total estimated costs FY16/17 dollars (5% inflation)	\$ 1,677,000	\$ 1,735,888	
Total estimated costs FY17/18 dollars (5% inflation)	\$ 1,760,850		\$ 1,822,800
Total estimated costs FY18/19 dollars (5% inflation)			\$ 1,913,940
Total estimated costs FY19/20 dollars (5% inflation)			\$ 2,009,637
Total estimated costs FY20/21 dollars (5% inflation)			\$ 2,110,119
Total estimated costs FY21/22 dollars (5% inflation)			\$ 2,215,625



NASSAU COUNTY, FL  
CAPITAL IMPROVEMENT PLAN  
FIVE YEAR WORK PROGRAM  
FISCAL IMPACT OPERATING ANALYSIS (5.9 POLICIES)

PROJECT NAME:

Station 90 Replacement

FISCAL YEAR OPERATING IMPACT:

21/22

DEPARTMENT: Fire Rescue

	0x xxx xxx	FY 2016/17	21/22	
	Object Code	Estimate	Requested	Recommended
Total Revenues (External)	3xxxxx			

Expenditures				
Regular Salaries w/ Step&COLA	512xxx			
Other Salaries	513xxx			
Overtime	514000			
FICA Taxes	521010			
Medicare	521020			
Retirement (FRS)	522000			
Life & Health Insurance	523010			
Workers' Compensation	524010			
Unemployment Compensation	525000			
<b>Total Personal Services</b>		-	-	-
Professional Services	531000			
Contractual Services	534000			
Travel & Per Diem	540000			
Communications	541000			
Postage	542000			
Utility Services	543000		702.00	
Rentals & Leases	544000			
Insurance	545000		7,914.00	
Repairs & Maintenance	546000			
Printing & Binding	547000			
Promotional Activities	548000			
Other Current Chrgs & Oblig	549000			
Office Supplies	551000			
Operating Supplies	552000			
Equipment less than \$750	552640			
Materials & Supply-Road&Bridge ONLY	553010			
Books, Dues & Subscrpts	554000			
Training	555000			
<b>Total Operating</b>		-	8,616.00	-
Permits	562113			
Buildings	562xxx			
Improvements	563xxx			
Equipment \$750 to \$4999 (Required)	564000			
Equipment greater than \$5000 (Required)	564001			
Books and Library Materials	566xxx			
<b>Total Capital (Equipment)</b>		-	-	-
Debt Service	57xxxx			
Grants & Aids	58xxxx			
Other Uses	59xxxx			
<b>Total Debt Service, Grants &amp; Other</b>		-	-	-
<b>TOTAL EXPENDITURES</b>		-	8,616.00	-

NASSAU COUNTY, FL  
 CAPITAL IMPROVEMENT PLAN  
 FIVE YEAR WORK PROGRAM  
 \$50,000 OR GREATER CAPITAL PROJECTS  
 PROJECT SUMMARY

DATE: Annual CIP update FY17/18 - FY21/22, department submittal-potential projects

DEPARTMENT: Fire Rescue

Project Name: Station 40 Repavement

Project Number:

**Purpose & Justification:**

Repave driveway leading from Fire Station 40 to Pea Farm Road. The current road is in extremely poor condition causing undercarriage wear and tear on the emergency vehicles.

**Description & Location:**

Station 40 is located at 37230 Pea Farm Road. It houses Engine 40, Rescue 40 and Tanker 40.

**Potential Funding Sources: (Identify Both Initial Project and Recurring Operational Costs)**

Cost includes a 5% increase over FY16/17 quoted price from Kudzue 3 and a 10% contingency.

**Total Capital Cost Breakdown By Category:**

CATEGORY	TOTAL COST
Property Acquisition	\$ -
Construction Costs	68,300
Professional Services	
Furnishings & Equipment	
Contingency & Other	6,830
<b>TOTAL</b>	<b>\$ 75,130</b>

**Total Capital Cost Breakdown By Year:**

FISCAL YEAR	TOTAL COST
2017/2018	\$ 75,130
2018/2019	\$ -
2019/2020	\$ -
2020/2021	\$ -
2021/2022	\$ -
<b>TOTAL</b>	<b>\$ 75,130</b>

**NASSAU COUNTY, FL  
CAPITAL IMPROVEMENT PLAN  
FIVE YEAR WORK PROGRAM  
\$50,000 OR GREATER CAPITAL PROJECTS  
PROJECT SUMMARY**

**DATE:** Annual CIP update FY17/18 - FY21/22, department submittal-potential projects

**DEPARTMENT:** Fire Rescue

**Project Name:** Tanker-additional unit

**Project Number:**

**Purpose & Justification:**

The addition of a tanker on the East side of the County would increase response time for an additional water source in areas that are not supported by fire hydrants. It will also be used during wildfire operations.

**Description & Location:**

The vehicle will be housed at the newly built Station 71. The vehicle will require three (3) additional engineers to staff the apparatus 24/7 (one per shift).

**Potential Funding Sources: (Identify Both Initial Project and Recurring Operational Costs)**

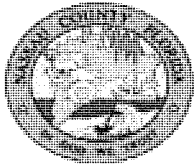
Estimated cost based upon 2016 quote with 10% inflation. Additional recurring operating costs estimated at \$235,865 with 5% annual inflation.

**Total Capital Cost Breakdown By Category:**

CATEGORY	TOTAL COST
Property Acquisition	\$ -
Construction Costs	
Professional Services	
Furnishings & Equipment	319,000
Contingency & Other	
<b>TOTAL</b>	<b>\$ 319,000</b>

**Total Capital Cost Breakdown By Year:**

FISCAL YEAR	TOTAL COST
2017/2018	\$ 319,000
2018/2019	\$ -
2019/2020	\$ -
2020/2021	\$ -
2021/2022	\$ -
<b>TOTAL</b>	<b>\$ 319,000</b>



NASSAU COUNTY, FL  
CAPITAL IMPROVEMENT PLAN  
FIVE YEAR WORK PROGRAM  
FISCAL IMPACT OPERATING ANALYSIS (5.9 POLICIES)

PROJECT NAME: additional Tanker

FISCAL YEAR OPERATING IMPACT: 17/18

DEPARTMENT: Fire Rescue

		0x xxx xxx	FY 2016/17	17/18	
		Object Code	Estimate	Requested	Recommended
<b>Total Revenues (External)</b>		3xxxxx			
<b>Expenditures</b>					
Regular Salaries w/ Step&COLA	512xxx			224,492.00	
Other Salaries	513xxx				
Overtime	514000				
FICA Taxes	521010				
Medicare	521020				
Retirement (FRS)	522000				
Life & Health Insurance	523010				
Workers' Compensation	524010				
Unemployment Compensation	525000				
<b>Total Personal Services</b>			-	224,492.00	-
Professional Services	531000				
Contractual Services	534000				
Travel & Per Diem	540000				
Communications	541000				
Postage	542000				
Utility Services	543000				
Rentals & Leases	544000				
Insurance	545000				
Repairs & Maintenance	546000				
Printing & Binding	547000				
Promotional Activities	548000				
Other Current Chrgs & Oblig	549000				
Office Supplies	551000				
Operating Supplies	552000			11,373.00	
Equipment less than \$750	552640				
Materials & Supply-Road&Bridge ONLY	553010				
Books, Dues & Subscrpts	554000				
Training	555000				
<b>Total Operating</b>			-	11,373.00	-
Permits	562113				
Buildings	562xxx				
Improvements	563xxx				
Equipment \$750 to \$4999 (Required)	564000				
Equipment greater than \$5000 (Required)	564001				
Books and Library Materials	566xxx				
<b>Total Capital (Equipment)</b>			-	-	-
Debt Service	57xxxx				
Grants & Aids	58xxxx				
Other Uses	59xxxx				
<b>Total Debt Service, Grants &amp; Other</b>			-	-	-
<b>TOTAL EXPENDITURES</b>			-	235,865.00	-



**NASSAU COUNTY, FL  
CAPITAL IMPROVEMENT PLAN  
FIVE YEAR WORK PROGRAM  
\$50,000 OR GREATER CAPITAL PROJECTS  
PROJECT SUMMARY**

**DATE:** Annual CIP update FY17/18 - FY21/22, department submittal-potential projects

**DEPARTMENT:** Fire Rescue

**Project Name:** Brush Truck-additional units (2)

**Project Number:**

**Purpose & Justification:**

The addition of the brush truck will allow for rapid response to wild land fires in both the rural and urban interface settings. The vehicle has the capability to travel off-road in order to gain access to wild land fires that larger sized apparatus cannot reach.

**Description & Location:**

One brush truck will be housed at Station 40 in FY 17-18. One brush truck will be located at Station 90 in FY 18-19. Each vehicle will require an additional Engineer (one per shift).

**Potential Funding Sources: (Identify Both Initial Project and Recurring Operational Costs)**

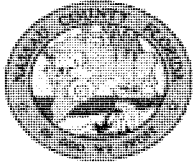
Estimated cost based upon FY16/17 FSA quote of \$134,793.43 with 5% annual increase. Additional recurring operating costs estimated at \$235,865 in FY17/18 for 3 new employees, FY18/19 \$495,317 for 6 employees with 5% annual increase.

**Total Capital Cost Breakdown By Category:**

CATEGORY	TOTAL COST
Property Acquisition	\$ -
Construction Costs	
Professional Services	
Furnishings & Equipment	290,600
Contingency & Other	
<b>TOTAL</b>	<b>\$ 290,600</b>

**Total Capital Cost Breakdown By Year:**

FISCAL YEAR	TOTAL COST
2017/2018	\$ 142,000
2018/2019	\$ 148,600
2019/2020	\$ -
2020/2021	\$ -
2021/2022	\$ -
<b>TOTAL</b>	<b>\$ 290,600</b>



NASSAU COUNTY, FL  
CAPITAL IMPROVEMENT PLAN  
FIVE YEAR WORK PROGRAM

FISCAL IMPACT OPERATING ANALYSIS (5.9 POLICIES)

PROJECT NAME: additional Brush Trucks

FISCAL YEAR OPERATING IMPACT: 17/18 and 18/19

DEPARTMENT: Fire Rescue

	0x-xxx-xxx	FY 2016/17	17/18 and 18/19	
	Object Code	Estimate	Requested	Recommended
Total Revenues (External)	3xxxxx			

<b>Expenditures</b>				
Regular Salaries w/ Step&COLA	512xxx		224,492.00	
Other Salaries	513xxx			
Overtime	514000			
FICA Taxes	521010			
Medicare	521020			
Retirement (FRS)	522000			
Life & Health Insurance	523010			
Workers' Compensation	524010			
Unemployment Compensation	525000			
<b>Total Personal Services</b>		-	224,492.00	-
Professional Services	531000			
Contractual Services	534000			
Travel & Per Diem	540000			
Communications	541000			
Postage	542000			
Utility Services	543000			
Rentals & Leases	544000			
Insurance	545000			
Repairs & Maintenance	546000			
Printing & Binding	547000			
Promotional Activities	548000			
Other Current Chrgs & Oblig	549000			
Office Supplies	551000			
Operating Supplies	552000		11,373.00	
Equipment less than \$750	552640			
Materials & Supply-Road&Bridge ONLY	553010			
Books, Dues & Subscriptns	554000			
Training	555000			
<b>Total Operating</b>		-	11,373.00	-
Permits	562113			
Buildings	562xxx			
Improvements	563xxx			
Equipment \$750 to \$4999 (Required)	564000			
Equipment greater than \$5000 (Required)	564001			
Books and Library Materials	566xxx			
<b>Total Capital (Equipment)</b>		-	-	-
Debt Service	57xxxx			
Grants & Aids	58xxxx			
Other Uses	59xxxx			
<b>Total Debt Service, Grants &amp; Other</b>		-	-	-
<b>TOTAL EXPENDITURES</b>		-	235,865.00	17/18

\$ 247,658.25 18/19  
\$ 495,316.50 2 tankers 18/19  
\$ 520,082.33 19/20  
\$ 546,086.44 20/21

**NASSAU COUNTY, FL  
CAPITAL IMPROVEMENT PLAN  
FIVE YEAR WORK PROGRAM  
\$50,000 OR GREATER CAPITAL PROJECTS  
PROJECT SUMMARY**

**DATE:** Annual CIP update FY17/18 - FY21/22, department submittal-potential projects

**DEPARTMENT:** Fire Rescue

**Project Name:** Public Training Facility

**Project Number:**

**Purpose & Justification:**

The continuing growth of Nassau County and the increasing call for law enforcement and fire/rescue services requires the building of a training facility capable of matching the public safety needs of the citizens of Nassau County. The Facility will consist of emergency driving tracks, classrooms, a burn building, training tower and a simunitions building for close quarter combat training.

**Description & Location:**

40 Acres off CR 108

**Potential Funding Sources: (Identify Both Initial Project and Recurring Operational Costs)**

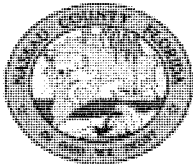
General Appropriations and/or Legislative Funding

**Total Capital Cost Breakdown By Category:**

CATEGORY	TOTAL COST
Property Acquisition	\$ -
Construction Costs	1,275,000
Professional Services	
Furnishings & Equipment	
Contingency & Other	225,000
<b>TOTAL</b>	<b>\$ 1,500,000</b>

**Total Capital Cost Breakdown By Year:**

FISCAL YEAR	TOTAL COST
2017/2018	\$ 1,500,000
2018/2019	\$ -
2019/2020	\$ -
2020/2021	\$ -
2021/2022	\$ -
<b>TOTAL</b>	<b>\$ 1,500,000</b>



NASSAU COUNTY, FL  
 CAPITAL IMPROVEMENT PLAN  
 FIVE YEAR WORK PROGRAM  
 FISCAL IMPACT OPERATING ANALYSIS (5.9 POLICIES)  
 PROJECT NAME: Public Training Facility  
 FISCAL YEAR OPERATING IMPACT: \_\_\_\_\_  
 DEPARTMENT: Fire Rescue

0x xxx xxx		FY 2016/17	0	
Object Code		Estimate	Requested	Recommended
<b>Total Revenues (External)</b>		3xxxxx		
<b>Expenditures</b>				
Regular Salaries w/ Step&COLA	512xxx			
Other Salaries	513xxx			
Overtime	514000			
FICA Taxes	521010			
Medicare	521020			
Retirement (FRS)	522000			
Life & Health Insurance	523010			
Workers' Compensation	524010			
Unemployment Compensation	525000			
<b>Total Personal Services</b>		-	-	-
Professional Services	531000			
Contractual Services	534000			
Travel & Per Diem	540000			
Communications	541000			
Postage	542000			
Utility Services	543000	300.00		
Rentals & Leases	544000			
Insurance	545000			
Repairs & Maintenance	546000			
Printing & Binding	547000			
Promotional Activities	548000			
Other Current Chrgs & Oblig	549000			
Office Supplies	551000			
Operating Supplies	552000			
Equipment less than \$750	552640			
Materials & Supply-Road&Bridge ONLY	553010			
Books, Dues & Subscrpts	554000			
Training	555000			
<b>Total Operating</b>		300.00	-	-
Permits	562113			
Buildings	562xxx			
Improvements	563xxx			
Equipment \$750 to \$4999 (Required)	564000			
Equipment greater than \$5000 (Required)	564001			
Books and Library Materials	566xxx			
<b>Total Capital (Equipment)</b>		-	-	-
Debt Service	57xxxx			
Grants & Aids	58xxxx			
Other Uses	59xxxx			
<b>Total Debt Service, Grants &amp; Other</b>		-	-	-
<b>TOTAL EXPENDITURES</b>		300.00	-	-



NASSAU COUNTY, FL  
 CAPITAL IMPROVEMENT PLAN  
 FIVE YEAR WORK PROGRAM  
 \$50,000 OR GREATER CAPITAL PROJECTS  
 EXCLUDES FLEET REPLACEMENT UNITS  
 CAPITAL IMPROVEMENT SUMMARY-NASSAU AMELIA UTILITIES  
ANNUAL CIP UPDATE FY17/18-FY21/22 POTENTIAL PROJECTS

Department	POTENTIAL PROJECTS										
	FY 17/18		FY 18/19		FY 19/20		FY 20/21		FY21/22		TOTAL REQUESTS 17/18-21/22 CAPITAL \$
	Capital \$	Financial Operating Impact \$	Capital \$	Financial Operating Impact \$	Capital \$	Financial Operating Impact \$	Capital \$	Financial Operating Impact \$	Capital \$	Financial Operating Impact \$	
NAU-WASTEWATER SYSTEM	\$ 830,000		\$ 140,000		\$ 433,000		\$ 33,000		\$ 1,279,200		\$ 2,715,200
NAU-WATER SYSTEM			\$ 114,000						\$ 682,160		\$ 796,160
NAU-OTHER	\$ 300,000										\$ 300,000
TOTAL NAU CAPITAL IMPROVEMENT PLAN PROJECTS	\$ 1,130,000	\$ -	\$ 254,000	\$ -	\$ 433,000	\$ -	\$ 33,000	\$ -	\$ 1,961,360	\$ -	\$ 3,811,360

NASSAU COUNTY, FL  
CAPITAL IMPROVEMENT PLAN  
FIVE YEAR WORK PROGRAM

\$50,000 OR GREATER CAPITAL PROJECTS

EXCLUDES FLEET EQUIPMENT-ON ROAD, OFF ROAD, SPECIAL PURPOSE OFF ROAD

CAPITAL IMPROVEMENT SUMMARY-POTENTIAL PROJECTS AND CHANGES

DATE: Annual CIP update FY17/18 - FY21/22, department submittal-potential projects

POTENTIAL PROJECTS

Dept.	Project Name	PRIORITY ORDER	Project Description	Funding Sources											TOTAL 17/18 - 21/22 CAPITAL \$
					FY 17/18		FY 18/19		FY 19/20		FY 20/21		FY 21/22		
					Capital \$	Financial Operating Impact \$	Capital \$	Financial Operating Impact	Capital \$	Financial Operating Impact	Capital \$	Financial Operating Impact	Capital \$	Financial Operating Impact	
NAU - WASTEWATER SYSTEM	Lift Station Rehab	1	Lift Station Rehab										\$ 100,000		\$ 100,000
	proj # WW2 wastewater system		proj # WW2 wastewater system	ongoing program											\$ -
															\$ -
															\$ -
															\$ -
				Project Total	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 100,000	\$ -	\$ 100,000
	Inflow/Infiltration Program	1	Sewer Inflow/Infiltration Correction Program										\$ 80,000		\$ 80,000
				ongoing program											\$ -
															\$ -
															\$ -
	proj # WW4 wastewater system														\$ -
				Project Total	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 80,000	\$ -	\$ 80,000
	Rehab Secondary Clarifiers	1	All metal materials on both Clarifiers are to be restored and recoated		\$ 347,000										\$ 347,000
				additional funding											\$ -
															\$ -
	proj# WWSC wastewater system														\$ -
				Project Total	\$ 347,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 347,000
	Wastewater blower replacement	1	replace blower at wastewater treatment plant		\$ 130,000										\$ 130,000
				additional funding											\$ -
															\$ -
proj# WWBLO wastewater system														\$ -	
			Project Total	\$ 130,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 130,000	
Rehab Effluent Filters	1	Rehab and replace the filter media. Remove spalling concrete and rebar and restore rail system and concrete support, as necessary.		\$ 50,000		\$ 71,000								\$ 121,000	
			additional funding											\$ -	
														\$ -	
proj# WWWEF wastewater system														\$ -	
			Project Total	\$ 50,000	\$ -	\$ 71,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 121,000	
Chlorine Contact Chamber	1	Rehab and recoat concrete and all metal materials		\$ 30,000		\$ 36,000								\$ 66,000	
			additional funding											\$ -	
														\$ -	
proj# WWCCC wastewater system														\$ -	
			Project Total	\$ 30,000	\$ -	\$ 36,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 66,000	

NASSAU COUNTY, FL  
 CAPITAL IMPROVEMENT PLAN  
 FIVE YEAR WORK PROGRAM  
 \$50,000 OR GREATER CAPITAL PROJECTS  
 EXCLUDES FLEET EQUIPMENT-ON ROAD, OFF ROAD, SPECIAL PURPOSE OFF ROAD  
 CAPITAL IMPROVEMENT SUMMARY-POTENTIAL PROJECTS AND CHANGES  
 DATE: Annual CIP update FY17/18 - FY21/22, department submittal-potential projects

POTENTIAL PROJECTS

Dept.	Project Name	PRIORITY ORDER	Project Description	Funding Sources	FY 17/18		FY 18/19		FY 19/20		FY 20/21		FY 21/22		TOTAL 17/18 - 21/22 CAPITAL \$
					Capital \$	Financial Operating Impact \$	Capital \$	Financial Operating Impact	Capital \$	Financial Operating Impact	Capital \$	Financial Operating Impact	Capital \$	Financial Operating Impact	
	Convert LS to submersible stations proj# LSSS wastewater system		Convert lift stations into submersible lift stations										\$ 490,000		\$ 490,000
															\$ -
															\$ -
															\$ -
															\$ -
	Wastewater Collection and Conveyance System Improvements proj# CCP&V		Sewer line improvements and upgrades throughout the system	Project Total	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 490,000	\$ -	\$ 490,000
													\$ 250,000		\$ 250,000
															\$ -
															\$ -
															\$ -
	Reclaimed Water Pump Station proj# RWPS wastewater system		Rehab the reclaimed water pump stations	Project Total	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 250,000	\$ -	\$ 250,000
													\$ 151,200		\$ 151,200
															\$ -
															\$ -
															\$ -
	Replace DI Reuse Piping proj# RUPIP wastewater system		Replace DI reuse piping with PVC	Project Total	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 151,200	\$ -	\$ 151,200
													\$ 100,000		\$ 100,000
															\$ -
															\$ -
															\$ -
	Manhole Replacement		Replace failing manholes	Project Total	\$ -	\$ -	\$ -	\$ -	\$ 400,000	\$ -	\$ -	\$ -	\$ 100,000	\$ -	\$ 100,000
															\$ 400,000
															\$ -
															\$ -
															\$ -
	Replace/Rehab Sampling System		Replace/Rehab the WWTP sampling system	Project Total	\$ -	\$ -	\$ -	\$ -	\$ 400,000	\$ -	\$ -	\$ -	\$ 75,000	\$ -	\$ 400,000
													\$ 75,000		\$ 75,000
															\$ -
															\$ -
															\$ -
				Project Total	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 75,000	\$ -	\$ 75,000



NASSAU COUNTY, FL  
 CAPITAL IMPROVEMENT PLAN  
 FIVE YEAR WORK PROGRAM  
 \$50,000 OR GREATER CAPITAL PROJECTS  
 EXCLUDES FLEET EQUIPMENT-ON ROAD, OFF ROAD, SPECIAL PURPOSE OFF ROAD  
 CAPITAL IMPROVEMENT SUMMARY-POTENTIAL PROJECTS AND CHANGES  
 DATE: Annual CIP update FY17/18 - FY21/22, department submittal-potential projects

POTENTIAL PROJECTS

Dept.	Project Name	PRIORITY ORDER	Project Description	Funding Sources											TOTAL 17/18 - 21/22 CAPITAL \$
					FY 17/18		FY 18/19		FY 19/20		FY 20/21		FY 21/22		
					Capital \$	Financial Operating Impact \$	Capital \$	Financial Operating Impact	Capital \$	Financial Operating Impact	Capital \$	Financial Operating Impact	Capital \$	Financial Operating Impact	
	Update Emergency Preparedness Equipment	1	Update the emergency preparedness equipment		\$ 273,000		\$ 33,000		\$ 33,000		\$ 33,000		\$ 33,000		\$ 405,000
														\$ -	
														\$ -	
														\$ -	
														\$ -	
				Project Total	\$ 273,000	\$ -	\$ 33,000	\$ -	\$ 33,000	\$ -	\$ 33,000	\$ -	\$ 33,000	\$ -	\$ 405,000
														\$ -	
														\$ -	
														\$ -	
														\$ -	
													\$ -		
			Project Total	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Totals potential					\$ 830,000	\$ -	\$ 140,000	\$ -	\$ 433,000	\$ -	\$ 33,000	\$ -	\$ 1,279,200	\$ -	\$ 2,715,200

**NASSAU COUNTY, FL  
CAPITAL IMPROVEMENT PLAN  
FIVE YEAR WORK PROGRAM  
\$50,000 OR GREATER CAPITAL PROJECTS  
PROJECT SUMMARY**

**DATE:** Annual CIP update FY17/18 - FY21/22, department submittal-potential projects

**DEPARTMENT:** Nassau Amelia Utilities

**Project Name:** Lift Station Rehab/Repair Program

**Project Number:** WW2

annual appropriation-ongoing program

**Purpose & Justification:**

Wastewater Lift Station Rehab/Major repair Program required to maintain reliable service and prevent overflows. Ongoing annual appropriation program.

**Description & Location:**

Upgrade and/or rehabilitate the panels and pumps and replace piping and coat the wet wells as needed.

**Potential Funding Sources: (Identify Both Initial Project and Recurring Operational Costs)**

**Total Capital Cost Breakdown By Category:**

CATEGORY	TOTAL COST
Property Acquisition	\$ -
Construction Costs	100,000
Professional Services	
Furnishings & Equipment	
Contingency & Other	
<b>TOTAL</b>	<b>\$ 100,000</b>

**Total Capital Cost Breakdown By Year:**

FISCAL YEAR	TOTAL COST
2017/2018	\$ -
2018/2019	\$ -
2019/2020	\$ -
2020/2021	\$ -
2021/2022	\$ 100,000
<b>TOTAL</b>	<b>\$ 100,000</b>

**NASSAU COUNTY, FL  
CAPITAL IMPROVEMENT PLAN  
FIVE YEAR WORK PROGRAM  
\$50,000 OR GREATER CAPITAL PROJECTS  
PROJECT SUMMARY**

**DATE:** Annual CIP update FY17/18 - FY21/22, department submittal-potential projects

**DEPARTMENT:** Nassau Amelia Utilities

**Project Name:** Inflow/Infiltration Program

**Project Number:** WW4

**Purpose & Justification:**

Infiltration/Inflow Correction (Capacity Improvements) Required to correct inflow infiltration that artificially consumes capacity required for customer service. Byproduct is increase in treatment plant and sewer capacity by reducing inflow of groundwater and rain water into sewer system. Ongoing annual appropriation program.

**Description & Location:**

Repair Manholes and sewer lines throughout System and replace approximately 2 Manholes per year due to failure.

**Potential Funding Sources: (Identify Both Initial Project and Recurring Operational Costs)**

**Total Capital Cost Breakdown By Category:**

CATEGORY	TOTAL COST
Property Acquisition	\$ -
Construction Costs	80,000
Professional Services	
Furnishings & Equipment	
Contingency & Other	
<b>TOTAL</b>	<b>\$ 80,000</b>

**Total Capital Cost Breakdown By Year:**

FISCAL YEAR	TOTAL COST
2017/2018	\$ -
2018/2019	\$ -
2019/2020	\$ -
2020/2021	\$ -
2021/2022	\$ 80,000
<b>TOTAL</b>	<b>\$ 80,000</b>

**NASSAU COUNTY, FL  
CAPITAL IMPROVEMENT PLAN  
FIVE YEAR WORK PROGRAM  
\$50,000 OR GREATER CAPITAL PROJECTS  
PROJECT SUMMARY**

**DATE:** Annual CIP update FY17/18 - FY21/22, department submittal-potential projects

**DEPARTMENT:** Nassau Amelia Utilities

**Project Name:** Secondary Clarifiers

**Project Number:** WWSC

**Purpose & Justification:**

Secondary Clarifier 1, built in 1974 has corrosion on the deck and motor assembly support and the structural integrity has been undermined (approved CIP \$403,920). Secondary Clarifier 2, built in 1990, has corrosion on the deck support and structural integrity has been undermined (potential request \$436,240). All metal materials on both structures needs to be restored and coated to maintain the service life and safety. Additional \$123,760 9/26/16. Based upon the cost for design and estimates received for the engineer of record, the estimated construction cost for both clarifiers is \$999,000. **Therefore, an additional \$347,000 is being requested for construction and CEI costs.**

**Description & Location:**

All metal materials on both structures are to be restored and coated. Include 10% contingency.

**Potential Funding Sources: (Identify Both Initial Project and Recurring Operational Costs)**

system revenue

with \$347,000 additional funding

**Total Capital Cost Breakdown By Category:**

CATEGORY	TOTAL COST
Property Acquisition	\$ -
Construction Costs	999,000
Professional Services	187,000
Furnishings & Equipment	
Contingency & Other	124,920
<b>TOTAL</b>	<b>\$ 1,310,920</b>

**Total Capital Cost Breakdown By Year:**

FISCAL YEAR	TOTAL COST
2017/2018	\$ 347,000
2018/2019	\$ -
2019/2020	\$ -
2020/2021	\$ -
2021/2022	\$ -
<b>TOTAL</b>	<b>\$ 347,000</b>

NASSAU COUNTY, FL  
CAPITAL IMPROVEMENT PLAN  
FIVE YEAR WORK PROGRAM  
\$50,000 OR GREATER CAPITAL PROJECTS

PROJECT SUMMARY

DATE: Annual CIP update FY17/18 - FY21/22, department submittal-potential projects

DEPARTMENT: Nassau Amelia Utilities

Project Name: WWTP Blowers

Project Number: WWBLO

**Purpose & Justification:**

The 5 blowers for the WWTP need to be rehabbed or replaced to maintain the level of service and system integrity. **Additional amount requested for complete replacement of one blower, including engineering - \$130,000**

**Description & Location:**

Replace 1 blower and rehab the remaining 4 blowers, 1 per year. FY16/17 Blower replacement cost estimated \$70,000 and is considered capital.

**Potential Funding Sources: (Identify Both Initial Project and Recurring Operational Costs)**

with \$130,000 additional funding

**Total Capital Cost Breakdown By Category:**

CATEGORY	TOTAL COST
Property Acquisition	\$ -
Construction Costs	170,000
Professional Services	30,000
Furnishings & Equipment	
Contingency & Other	
<b>TOTAL</b>	<b>\$ 200,000</b>

**Total Capital Cost Breakdown By Year:**

FISCAL YEAR	TOTAL COST
2017/2018	\$ 130,000
2018/2019	\$ -
2019/2020	\$ -
2020/2021	\$ -
2021/2022	\$ -
<b>TOTAL</b>	<b>\$ 130,000</b>

NASSAU COUNTY, FL  
CAPITAL IMPROVEMENT PLAN  
FIVE YEAR WORK PROGRAM  
\$50,000 OR GREATER CAPITAL PROJECTS  
PROJECT SUMMARY

DATE: Annual CIP update FY17/18 - FY21/22, department submittal-potential projects

DEPARTMENT: Nassau Amelia Utilities

Project Name: Effluent Filters

Project Number: WWEF

**Purpose & Justification:**

Concrete supporting the filters' rail system has spalling and exposed corroded rebar. The rail system was added after filters were in service in 1990. The rail system supports the pumps for the filter backwash system that continuously back and forth under the filtration system. Underdrain has areas that need to be repaired. By repairing the concrete, rail system, and underdrain will allow the system to run more efficiently and prolong its service life. The electrical system needs to be rehabilitated and new pumps and motors will be necessary. **Additional funding requested - \$121,000**

**Description & Location:**

Remove spalling concrete and rebar and restore rail system and concrete support. Rehab underdrain and electrical. Include new pumps and motors. Include Engineering and CEI. Include 10% contingency. Engineering in FY 17/18, Construction in FY 18/19

**Potential Funding Sources: (Identify Both Initial Project and Recurring Operational Costs)**

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with \$121,000 additional funding

**Total Capital Cost Breakdown By Category:**

CATEGORY	TOTAL COST
Property Acquisition	\$ -
Construction Costs	375,000
Professional Services	132,000
Furnishings & Equipment	
Contingency & Other	49,000
<b>TOTAL</b>	<b>\$ 556,000</b>

**Total Capital Cost Breakdown By Year:**

FISCAL YEAR	TOTAL COST
2017/2018	\$ 50,000
2018/2019	\$ 71,000
2019/2020	\$ -
2020/2021	\$ -
2021/2022	\$ -
<b>TOTAL</b>	<b>\$ 121,000</b>

NASSAU COUNTY, FL  
CAPITAL IMPROVEMENT PLAN  
FIVE YEAR WORK PROGRAM  
\$50,000 OR GREATER CAPITAL PROJECTS  
PROJECT SUMMARY

DATE: Annual CIP update FY17/18 - FY21/22, department submittal-potential projects

DEPARTMENT: Nassau Amelia Utilities

Project Name: Chlorine Contact Chamber

Project Number: WWCCC

**Purpose & Justification:**

The chlorine contact chamber (CCC) was built in 1974. The original concrete coating has eroded. The associated metal materials are showing corrosion. Recoating both the concrete and the metal will extend the service life of the CCC. Include a way to completely drain the tank for cleaning based upon the Engineer or Record's recommendations. **Additional funding requested - \$66,000.**

**Description & Location:**

The CCC will need to be repainted and all associated metal materials will need to be recoated with the appropriate coatings, including addressing the tank drainage. Include Engineering and CEI, plus 10% contingency. Engineering in FY 17/18, Construction in FY 18/19

**Potential Funding Sources: (Identify Both Initial Project and Recurring Operational Costs)**

with \$66,000 additional funding

**Total Capital Cost Breakdown By Category:**

CATEGORY	TOTAL COST
Property Acquisition	\$ -
Construction Costs	200,000
Professional Services	60,000
Furnishings & Equipment	
Contingency & Other	26,000
<b>TOTAL</b>	<b>\$ 286,000</b>

**Total Capital Cost Breakdown By Year:**

FISCAL YEAR	TOTAL COST
2017/2018	\$ 30,000
2018/2019	\$ 36,000
2019/2020	\$ -
2020/2021	\$ -
2021/2022	\$ -
<b>TOTAL</b>	<b>\$ 66,000</b>

**NASSAU COUNTY, FL  
CAPITAL IMPROVEMENT PLAN  
FIVE YEAR WORK PROGRAM  
\$50,000 OR GREATER CAPITAL PROJECTS**

**PROJECT SUMMARY**

**DATE:** Annual CIP update FY17/18 - FY21/22, department submittal-potential projects

**DEPARTMENT:** Nassau Amelia Utilities

**Project Name:** Convert Lift Stations to Submersible Stations

**Project Number:** LSSS

**Purpose & Justification:**

A portion of the lift stations in the system were constructed in the late 1970's, with a service life of approximately 40 years. Due to the age of the lift stations, converting these stations to submersible lift stations will ease maintenance and make the system more reliable.

**Description & Location:**

Convert lift stations to submersible lift stations, including new pumps and railing, reworking the piping, installing new panels, as necessary, and having the wet well coated to protect it from hydrogen sulfide damage. Include a 20% Contingency. Include Engineering and CEI.

**Potential Funding Sources: (Identify Both Initial Project and Recurring Operational Costs)**

**Total Capital Cost Breakdown By Category:**

CATEGORY	TOTAL COST
Property Acquisition	\$ -
Construction Costs	340,000
Professional Services	70,000
Furnishings & Equipment	
Contingency & Other	80,000
<b>TOTAL</b>	<b>\$ 490,000</b>

**Total Capital Cost Breakdown By Year:**

FISCAL YEAR	TOTAL COST
2017/2018	\$ -
2018/2019	\$ -
2019/2020	\$ -
2020/2021	\$ -
2021/2022	\$ 490,000
<b>TOTAL</b>	<b>\$ 490,000</b>



**NASSAU COUNTY, FL  
CAPITAL IMPROVEMENT PLAN  
FIVE YEAR WORK PROGRAM  
\$50,000 OR GREATER CAPITAL PROJECTS  
PROJECT SUMMARY**

**DATE:** Annual CIP update FY17/18 - FY21/22, department submittal-potential projects

**DEPARTMENT:** Nassau Amelia Utilities

**Project Name:** Wastewater Collection and Conveyance System Improvements

**Project Number:** CCP&V

**Purpose & Justification:**

Some of the sewer collection and conveyance piping was installed as early as 1972. Rehabilitating and/or replacing gravity and force main pipes prevents infiltration and inflow and emergency repairs. Replacing valves and adding additional valves where needed improves system reliability and aids in making repairs when necessary. These repairs will maintain system reliability and minimize corrosion.

**Description & Location:**

Rehab/Replace gravity sewer pipes and force main pipes and replace/add valves to force main, include laterals when feasible or necessary. Include Engineering and CEI.

**Potential Funding Sources: (Identify Both Initial Project and Recurring Operational Costs)**

**Total Capital Cost Breakdown By Category:**

CATEGORY	TOTAL COST
Property Acquisition	\$ -
Construction Costs	200,000
Professional Services	50,000
Furnishings & Equipment	
Contingency & Other	
<b>TOTAL</b>	<b>\$ 250,000</b>

**Total Capital Cost Breakdown By Year:**

FISCAL YEAR	TOTAL COST
2017/2018	\$ -
2018/2019	\$ -
2019/2020	\$ -
2020/2021	\$ -
2021/2022	\$ 250,000
<b>TOTAL</b>	<b>\$ 250,000</b>

**NASSAU COUNTY, FL  
CAPITAL IMPROVEMENT PLAN  
FIVE YEAR WORK PROGRAM  
\$50,000 OR GREATER CAPITAL PROJECTS  
PROJECT SUMMARY**

**DATE:** Annual CIP update FY17/18 - FY21/22, department submittal-potential projects

**DEPARTMENT:** Nassau Amelia Utilities

**Project Name:** Rehab Reclaimed Water Pump Station

**Project Number:** RWPS

**Purpose & Justification:**

NAU has 3 reclaimed pumps stations that pump the treated effluent to the 3 golf course lagoons. The reclaimed water pump stations need to be rehabbed and repaired to maintain reliable service.

**Description & Location:**

Each of the 3 pump station need be rehabbed to maintain service. Do 1 per year for 3 years. Include Eng and CEI and 10% contingency.

**Potential Funding Sources: (Identify Both Initial Project and Recurring Operational Costs)**

**Total Capital Cost Breakdown By Category:**

CATEGORY	TOTAL COST
Property Acquisition	\$ -
Construction Costs	108,000
Professional Services	29,160
Furnishings & Equipment	
Contingency & Other	14,040
<b>TOTAL</b>	<b>\$ 151,200</b>

**Total Capital Cost Breakdown By Year:**

FISCAL YEAR	TOTAL COST
2017/2018	\$ -
2018/2019	\$ -
2019/2020	\$ -
2020/2021	\$ -
2021/2022	\$ 151,200
<b>TOTAL</b>	<b>\$ 151,200</b>

**NASSAU COUNTY, FL  
CAPITAL IMPROVEMENT PLAN  
FIVE YEAR WORK PROGRAM  
\$50,000 OR GREATER CAPITAL PROJECTS  
PROJECT SUMMARY**

**DATE:** Annual CIP update FY17/18 - FY21/22, department submittal-potential projects

**DEPARTMENT:** Nassau Amelia Utilities

**Project Name:** Replace Reuse Piping with PVC

**Project Number:** RUPIP

**Purpose & Justification:**

Replace the ductile iron reuse piping with PVC piping. Replacing damaged or failing DI pipe prevents emergency repairs.

**Description & Location:**

Replace damage or failing DI pipes. Include Engineering/CEI. Reoccurring project.

**Potential Funding Sources: (Identify Both Initial Project and Recurring Operational Costs)**

**Total Capital Cost Breakdown By Category:**

CATEGORY	TOTAL COST
Property Acquisition	\$ -
Construction Costs	80,000
Professional Services	20,000
Furnishings & Equipment	
Contingency & Other	
<b>TOTAL</b>	<b>\$ 100,000</b>

**Total Capital Cost Breakdown By Year:**

FISCAL YEAR	TOTAL COST
2017/2018	\$ -
2018/2019	\$ -
2019/2020	\$ -
2020/2021	\$ -
2021/2022	\$ 100,000
<b>TOTAL</b>	<b>\$ 100,000</b>

**NASSAU COUNTY, FL  
CAPITAL IMPROVEMENT PLAN  
FIVE YEAR WORK PROGRAM  
\$50,000 OR GREATER CAPITAL PROJECTS  
PROJECT SUMMARY**

**DATE:** Annual CIP update FY17/18 - FY21/22, department submittal-potential projects

**DEPARTMENT:** Nassau Amelia Utilities

**Project Name:** Manhole Replacement

**Project Number:**

**Purpose & Justification:**

Replace failing manholes along Amelia Island Parkway. Include associated piping.

**Description & Location:**

Replace failing manholes located along Amelia Island Parkway. Include Engineering and CEI and a 10% contingency.

**Potential Funding Sources: (Identify Both Initial Project and Recurring Operational Costs)**

**Total Capital Cost Breakdown By Category:**

CATEGORY	TOTAL COST
Property Acquisition	\$ -
Construction Costs	300,000
Professional Services	70,000
Furnishings & Equipment	
Contingency & Other	30,000
<b>TOTAL</b>	<b>\$ 400,000</b>

**Total Capital Cost Breakdown By Year:**

FISCAL YEAR	TOTAL COST
2017/2018	\$ -
2018/2019	\$ -
2019/2020	\$ 400,000
2020/2021	\$ -
2021/2022	\$ -
<b>TOTAL</b>	<b>\$ 400,000</b>

**NASSAU COUNTY, FL  
CAPITAL IMPROVEMENT PLAN  
FIVE YEAR WORK PROGRAM  
\$50,000 OR GREATER CAPITAL PROJECTS  
PROJECT SUMMARY**

**DATE:** Annual CIP update FY17/18 - FY21/22, department submittal-potential projects

**DEPARTMENT:** Nassau Amelia Utilities

**Project Name:** Rehab/Replace WWTP Sampling System

**Project Number:**

**Purpose & Justification:**

Rehab/Replace Wastewater Treatment Plant sampling system to maintain plant reliability and increase efficiency.

**Description & Location:**

Replace/Rehab the Wastewater Treatment Plant sampling with like or better fit for the system and replace the associated PVC piping. Include a 10% Contingency.

**Potential Funding Sources: (Identify Both Initial Project and Recurring Operational Costs)**

**Total Capital Cost Breakdown By Category:**

CATEGORY	TOTAL COST
Property Acquisition	\$ -
Construction Costs	75,000
Professional Services	
Furnishings & Equipment	
Contingency & Other	
<b>TOTAL</b>	<b>\$ 75,000</b>

**Total Capital Cost Breakdown By Year:**

FISCAL YEAR	TOTAL COST
2017/2018	\$ -
2018/2019	\$ -
2019/2020	\$ -
2020/2021	\$ -
2021/2022	\$ 75,000
<b>TOTAL</b>	<b>\$ 75,000</b>

**NASSAU COUNTY, FL  
CAPITAL IMPROVEMENT PLAN  
FIVE YEAR WORK PROGRAM  
\$50,000 OR GREATER CAPITAL PROJECTS  
PROJECT SUMMARY**

**DATE:** Annual CIP update FY17/18 - FY21/22, department submittal-potential projects

**DEPARTMENT:** Nassau Amelia Utilities

**Project Name:** Update Emergency Preparedness Equipment

**Project Number:**

**Purpose & Justification:**

The emergency equipment at NAU needs to be standardize and updated for use throughout the system. NAU has 43 wastewater lift stations and maintains 2 stormwater lift stations. This equipment will help to standardize the generators and electrical panel generator connections to be consistent with the rest of the County's connections. The addition of 2 bypass pumps will standardize the bypass pumps utilized by the utility. These items will standardize the emergency equipment and allow for flexibility throughout the system.

**Description & Location:**

Purchase 2 portable generators, standardize the 6 critical lift stations electrical panel generator connections (cam lock connections) and purchase 2 portable bypass pumps. Continue to standardize and update the cam lock connections on 6 lift stations per year until all the lift stations are completed. FY17/18-2 portable generators @\$60,000 ea \$120,000; 6 cam lock connections @ \$5,000 ea \$30,000; 2 portable bypass pumps @ \$50,000 ea \$100,000; 10% contingency. After 17/18 annually- 6 ecam lock connections @ \$5,000 each \$30,000 plus 10% contingency or \$35,000

**Potential Funding Sources: (Identify Both Initial Project and Recurring Operational Costs)**

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**Total Capital Cost Breakdown By Category:**

CATEGORY	TOTAL COST
Property Acquisition	\$ -
Construction Costs	
Professional Services	
Furnishings & Equipment	370,000
Contingency & Other	35,000
<b>TOTAL</b>	<b>\$ 405,000</b>

**Total Capital Cost Breakdown By Year:**

FISCAL YEAR	TOTAL COST
2017/2018	\$ 273,000
2018/2019	\$ 33,000
2019/2020	\$ 33,000
2020/2021	\$ 33,000
2021/2022	\$ 33,000
<b>TOTAL</b>	<b>\$ 405,000</b>

NASSAU COUNTY, FL  
 CAPITAL IMPROVEMENT PLAN  
 FIVE YEAR WORK PROGRAM  
 \$50,000 OR GREATER CAPITAL PROJECTS  
 EXCLUDES FLEET EQUIPMENT-ON ROAD, OFF ROAD, SPECIAL PURPOSE OFF ROAD  
 CAPITAL IMPROVEMENT SUMMARY-POTENTIAL PROJECTS AND CHANGES  
 DATE: Annual CIP update FY17/18 - FY21/22, department submittal-potential projects

POTENTIAL PROJECTS

Dept.	Project Name	Priority- LIST IN PRIORITY ORDER	Project Description	Funding Sources											TOTAL 17-18 - 21-22 CAPITAL \$
					FY 17/18		FY 18/19		FY 19/20		FY 20/21		FY 21/22		
					Capital \$	Financial Operating Impact \$	Capital \$	Financial Operating Impact	Capital \$	Financial Operating Impact	Capital \$	Financial Operating Impact	Capital \$	Financial Operating Impact	
NAU WATER	Replace HSP Emergency Generator at WTS  water system	1	Replace and upgrade the HSP generator at water treatment plant				\$ 114,000								\$ 114,000
				additional											\$ -
															\$ -
															\$ -
				Project Total	\$ -	\$ -	\$ 114,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 114,000
	Rehab/Replace High Service and Low Service Pumps and Motors at BPS  water system	4	Rehab/Replace the HSP and LSP pumps and motors at the booster pump station										\$ 137,160		\$ 137,160
				ongoing program											\$ -
															\$ -
															\$ -
				Project Total	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 137,160	\$ -	\$ 137,160
	Rehab/Replace HSP Pumps and Motors at WTP  water system	2	Rehab/Replace the pumps and motors at the water treatment plan										\$ 95,000		\$ 95,000
				ongoing program											\$ -
															\$ -
															\$ -
				Project Total	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 95,000	\$ -	\$ 95,000
	Replace AC piping  water system	3	Replace AC piping with PVC										\$ 450,000		\$ 450,000
															\$ -
															\$ -
															\$ -
				Project Total	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 450,000	\$ -	\$ 450,000
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NASSAU COUNTY, FL  
CAPITAL IMPROVEMENT PLAN  
FIVE YEAR WORK PROGRAM  
\$50,000 OR GREATER CAPITAL PROJECTS  
PROJECT SUMMARY

DATE: Annual CIP update FY17/18 - FY21/22, department submittal-potential projects

DEPARTMENT: Nassau Amelia Utilities

Project Name: HSP Emergency Generator

Project Number: GENER

**Purpose & Justification:**

The High Service Pump Emergency Generator at the WTP is a 250KW generator, built in 1974. The generator is 40 years old and needs to be replaced and upgraded to maintain service reliability. **Additional \$114,000 requested based on the Engineer's recommendations.** Cost of professional services to size the appropriate generator for the WTP, cost of the generator, installation, electrical, etc. that will need to be included with the installation of a new generator.

**Description & Location:**

Replace and upgrade the HSP emergency generator with approximate 500KW generator. The necessary generator size shall be calculated based on the WTP plant needs at the time, in order to verify the appropriate size required.

**Potential Funding Sources: (Identify Both Initial Project and Recurring Operational Costs)**

includes \$114,000 additional funding

**Total Capital Cost Breakdown By Category:**

CATEGORY	TOTAL COST
Property Acquisition	\$ -
Construction Costs	230,000
Professional Services	20,000
Furnishings & Equipment	
Contingency & Other	
<b>TOTAL</b>	<b>\$ 250,000</b>

**Total Capital Cost Breakdown By Year:**

FISCAL YEAR	TOTAL COST
2017/2018	\$ -
2018/2019	\$ 114,000
2019/2020	\$ -
2020/2021	\$ -
2021/2022	\$ -
<b>TOTAL</b>	<b>\$ 114,000</b>



**NASSAU COUNTY, FL  
CAPITAL IMPROVEMENT PLAN  
FIVE YEAR WORK PROGRAM  
\$50,000 OR GREATER CAPITAL PROJECTS**

**PROJECT SUMMARY**

**DATE:** Annual CIP update FY17/18 - FY21/22, department submittal-potential projects

**DEPARTMENT:** Nassau Amelia Utilities

**Project Name:** Rehab/Replace HSP and LSP Pumps and Motors

**Project Number:** BHLPM

ongoing program

**Purpose & Justification:**

The Booster Pump Station (BPS) was built in 1974. It maintains the water storage and pressures for everyday use, as well as the necessary water and pressure for the fire flows for the south end of the island. The low service pumps (LPS) maintain the water pressure coming from the Water Treatment Plant for everyday use. The high service pumps (HSP) work in conjunction with the fire pumps to increase the water pressure necessary for fire flows. Rehab/Replace the HSP and LSP pumps and motors to maintain system reliability. The HSP and LSP service pumps and motors should be replaced after 40-years of service.

**Description & Location:**

Rehab or replace 1 HSP or LSP pump and motor per year.

**Potential Funding Sources: (Identify Both Initial Project and Recurring Operational Costs)**

**Total Capital Cost Breakdown By Category:**

CATEGORY	TOTAL COST
Property Acquisition	\$ -
Construction Costs	137,160
Professional Services	
Furnishings & Equipment	
Contingency & Other	
<b>TOTAL</b>	<b>\$ 137,160</b>

**Total Capital Cost Breakdown By Year:**

FISCAL YEAR	TOTAL COST
2017/2018	\$ -
2018/2019	\$ -
2019/2020	\$ -
2020/2021	\$ -
2021/2022	\$ 137,160
<b>TOTAL</b>	<b>\$ 137,160</b>

**NASSAU COUNTY, FL  
CAPITAL IMPROVEMENT PLAN  
FIVE YEAR WORK PROGRAM  
\$50,000 OR GREATER CAPITAL PROJECTS  
PROJECT SUMMARY**

**DATE:** Annual CIP update FY17/18 - FY21/22, department submittal-potential projects

**DEPARTMENT:** Nassau Amelia Utilities

**Project Name:** Rehab/Replace WTP HSP Pumps and Motors

**Project Number:** WHSPM

on going program

**Purpose & Justification:**

The Water Treatment Plant High Service pumps and motors maintain the water storage and pressures for everyday use, as well as the necessary water and pressure for the fire flows. Rehab/Replace the HSP at pumps and motors at the Water Treatment Plant to maintain system reliability and extend the life of the pumps and motors. The HSP pumps and motors should be replaced after 40-years of service.

**Description & Location:**

Rehab or replace Water Treatment Plant high service pumps and motors, one per year. Include a 20% contingency

**Potential Funding Sources: (Identify Both Initial Project and Recurring Operational Costs)**

**Total Capital Cost Breakdown By Category:**

CATEGORY	TOTAL COST
Property Acquisition	\$ -
Construction Costs	95,000
Professional Services	
Furnishings & Equipment	
Contingency & Other	
<b>TOTAL</b>	<b>\$ 95,000</b>

**Total Capital Cost Breakdown By Year:**

FISCAL YEAR	TOTAL COST
2017/2018	\$ -
2018/2019	\$ -
2019/2020	\$ -
2020/2021	\$ -
2021/2022	\$ 95,000
<b>TOTAL</b>	<b>\$ 95,000</b>

**NASSAU COUNTY, FL  
CAPITAL IMPROVEMENT PLAN  
FIVE YEAR WORK PROGRAM  
\$50,000 OR GREATER CAPITAL PROJECTS**

**PROJECT SUMMARY**

**DATE:** Annual CIP update FY17/18 - FY21/22, department submittal-potential projects

**DEPARTMENT:** Nassau Amelia Utilities

**Project Name:** Replace AC Piping

**Project Number:** ACPIP

**Purpose & Justification:**

The transmission distribution system has approximately 14,728 LF of 6-inch, 8-inch, and 12-inch AC pipe. By removing and replacing it with PVC piping, it eliminates the risk of mitigating the AC repairs and facilitates future connects.

**Description & Location:**

Replace the AC pipe within the transmission distribution system with PVC. Do approx. 1000 lf of 6in and 8in AC in 19/20 and 2000 lf of 12in every year until completed. Includes professional services for evaluating and recommending the best method for removal and any necessary permitting and CEI services. Include a 20% contingency. Estimated life of 40 years.

**Potential Funding Sources: (Identify Both Initial Project and Recurring Operational Costs)**

**Total Capital Cost Breakdown By Category:**

CATEGORY	TOTAL COST
Property Acquisition	\$ -
Construction Costs	275,000
Professional Services	100,000
Furnishings & Equipment	
Contingency & Other	75,000
<b>TOTAL</b>	<b>\$ 450,000</b>

**Total Capital Cost Breakdown By Year:**

FISCAL YEAR	TOTAL COST
2017/2018	\$ -
2018/2019	\$ -
2019/2020	\$ -
2020/2021	\$ -
2021/2022	\$ 450,000
<b>TOTAL</b>	<b>\$ 450,000</b>

NASSAU COUNTY, FL  
 CAPITAL IMPROVEMENT PLAN  
 FIVE YEAR WORK PROGRAM  
 \$50,000 OR GREATER CAPITAL PROJECTS  
 EXCLUDES FLEET EQUIPMENT-ON ROAD, OFF ROAD, SPECIAL PURPOSE OFF ROAD  
 CAPITAL IMPROVEMENT SUMMARY-POTENTIAL PROJECTS AND CHANGES  
 DATE: Annual CIP update FY17/18 - FY21/22, department submittal-potential projects

POTENTIAL PROJECTS

Dept.	Project Name	PRIORITY ORDER	Project Description	Funding Sources	FUNDING RESOURCES											
					FY 17/18		FY 18/19		FY 19/20		FY 20/21		FY 21/22		TOTAL 17-18 21-22 CAPITAL \$	
					Capital \$	Financial Operating Impact \$	Capital \$	Financial Operating Impact	Capital \$	Financial Operating Impact	Capital \$	Financial Operating Impact	Capital \$	Financial Operating Impact		
Nassau Amelia Utilities - Other	Nassau Amelia Utility's Chlorine Tank Structure	1	Nassau Amelia Utility's Chlorine Tank Structure Replacement		\$ 300,000										\$ 300,000	
															\$ -	
															\$ -	
															\$ -	
															\$ -	
			Project Total	\$ 300,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 300,000		
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				Project Total	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Totals potential					\$ 300,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 300,000	

**NASSAU COUNTY, FL  
CAPITAL IMPROVEMENT PLAN  
FIVE YEAR WORK PROGRAM  
\$50,000 OR GREATER CAPITAL PROJECTS  
PROJECT SUMMARY**

**DATE:** Annual CIP update FY17/18 - FY21/22, department submittal-potential projects

**DEPARTMENT:** Nassau Amelia Utilities

**Project Name:** Chlorine Tank Structure Replacement.

**Project Number:**

**Purpose & Justification:**

Nassau Amelia Utilities Covered Structure over Chlorine Tank: The current metal structure has rusted support beams and purlins which may easily collapse in severe weather, jeopardizing human life and the chlorination equipment. This collapse will threaten the potable water supply to the entire island.

**Description & Location:**

Nassau Amelia Utilities 5390 First Coast Highway, Fernandina Beach, FL 32034

**Potential Funding Sources: (Identify Both Initial Project and Recurring Operational Costs)**

No recurring Operational Costs. Includes a 20% contingency.

**Total Capital Cost Breakdown By Category:**

CATEGORY	TOTAL COST
Property Acquisition	\$ -
Construction Costs	
Professional Services	
Furnishings & Equipment	250,000
Contingency & Other	50,000
<b>TOTAL</b>	<b>\$ 300,000</b>

**Total Capital Cost Breakdown By Year:**

FISCAL YEAR	TOTAL COST
2017/2018	\$ 300,000
2018/2019	\$ -
2019/2020	\$ -
2020/2021	\$ -
2021/2022	\$ -
<b>TOTAL</b>	<b>\$ 300,000</b>