

Public Utilities Department - Schedule of Capital Improvements - 2021 through 2031 - 07-20-21

PROJECT DESCRIPTION	21	22	23	24	25	26	27	28	29	30	31	TOTAL	FUNDING SOURCE
PUBLIC UTILITIES - POTABLE WATER PROJECTS													
Service line & Valve Replacements (various)		100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	1,000,000	2018 Stantec CIP
Well #3 @ WTP #2 & Well #3W @ WTP #3: Acid Cleaning & Casing Repair		180,000										180,000	2014 PW MP
Completion of 4-Log Virus Inactivity		10,000										10,000	2014 PW MP
WTP #1 Modernization - Construction	1,142,000											1,142,000	PU Staff
WTP #1 - Replace 2 Aerator Houses		60,000										60,000	PU Staff
WTP #2 - Replace 1 Aerator House		30,000										30,000	PU Staff
WTP #2 Modernization - Design & Eng		175,000										175,000	PU Staff
WTP #2 Modernization - Construction		1,300,000										1,300,000	PU Staff
WTP #2 - Clean & Paint GST		90,000										90,000	PU Staff
Retrofit High Priority Wells Vulnerable to Flooding		20,000										20,000	Adaptation Plan
Retrofit Medium Priority Wells Vulnerable to Flooding			140,000									140,000	Adaptation Plan
WTP #2 - New GST			500,000									500,000	PU Staff
WTP #3 Modernization - Dsn, Eng & Construction			850,000									850,000	PU Staff
WTP #4 - Decommission		100,000										100,000	2018 Stantec CIP
Well #5 @ WTP #2 - Video logging			35,000									35,000	2014 PW MP
Cavalla - Install New Long Side Service Connections	40,000											40,000	PU Staff
Construct 850 LF of 12" PVC WM - Ocean Walk 10" WM to Sherry Dr Cutoff		128,000										128,000	2021 PW Model Update
Construct 950 LF of 12" PVC WM - Sherry Dr Cutoff (Mayport Rd to Sherry Dr ROW)			143,000									143,000	2021 PW Model Update
Construct 1,850 LF of 12" PVC WM - Sherry Dr Cutoff to Pioneer Dr		278,000										278,000	2021 PW Model Update
Construct 1,300 LF of 12" PVC WM - Pioneer Dr to Wonderwood Dr		195,000										195,000	2021 PW Model Update
Construct 700 LF of 8" PVC WM - Wonderwood Dr to Finegan Elementary		124,000										124,000	2021 PW Model Update
Purchase Existing JEA 20" HDPE WM on Wonderwood Dr		1,000,000										1,000,000	2021 PW Model Update
Tie in JEA 20" WM to existing @Renault & Sherry Dr, Install 2 Isolation valves on 20" WM		100,000										100,000	2021 PW Model Update
Construct 55 LF of 12" PVC WM - Navy CDC West to Navy CDC East, Install 2 new hydrants				105,000								105,000	2021 PW Model Update
Construct 250 LF of 12" PVC WM - Mayport Rd @ A1A	150,000											150,000	2021 PW Model Update
Construct 110 LF of 12" PVC WM - Mariner's Village to 16" WM on Mayport Rd	100,000											100,000	2016 PW Model
Donner Rd WM Upgrade	149,000											149,000	Donner Rd Reconstruction Project
Construct 280 LF of 12" PVC WM - 1089 Atlantic Blvd to 1075 Atlantic Blvd				71,500								71,500	2021 PW Model Update
Construct 470 LF of 12" PVC WM - Atlantic Ct to Aquatic Dr				120,000								120,000	2021 PW Model Update
Construct 160 LF of 12" PVC WM - Atlantic Blvd @ Aquatic Dr to Fire Hydrant @ Wells Fargo				41,000								41,000	2021 PW Model Update
Construct 1,080 LF of 12" PVC WM - Atlantic Blvd @ Aquatic Dr to Pizza Hut Driveway, NE to existing 6" WM			276,000									276,000	2021 PW Model Update
Construct 2,700 LF of 6" WM in Marsh Oaks plus services					200,000	200,000						400,000	Construct as part of Septic to Sewer Program
Replace 6" AC WM with 12" PVC WM on Sailfish from Cavalla Rd, tie in to Atlantic Blvd (750 LF)							150,000					150,000	2016 PW Model
Replace 4,200 LF of 6" PVC WM with 12" PVC WM on Dutton Island Rd - Mayport Rd to Paradise Cir								672,000				672,000	2016 PW Model
Replace 3,200 LF of 8" WM with 12" PVC WM Loop on Mayport Rd/A1A from Assisi A1A to Quad Ct					552,000							552,000	2016 PW Model
Replace 5,000 LF of 8" AC with 12" PVC - SR A1A from Mayport Rd to Wonderwood Dr										800,000		800,000	2014 PW MP
Replace 4,000 LF of 8" CI/AC with 12" PVC - Seminole Rd from Selva Marina Dr to Saturiba									640,000			640,000	2014 PW MP
Replace 3,500 LF of 8" PVC with 12" PVC - Seminole Rd from Saturiba to Oceanwalk							560,000					560,000	2014 PW MP
Replace 3,500 LF of 6" AC with 8" PVC - Oak Harbor - Year 1							226,000					226,000	2014 PW MP
Replace 3,500 LF of 6" AC with 8" PVC - Oak Harbor - Year 2								226,000				226,000	2018 Stantec CIP
Replace 1,000 LF 10" CI (1955) with 12" PVC - Seminole Rd - Selva Marina Dr to 5-Way										288,000		288,000	2014 PW MP
Replace 4,000 LF of 6" AC WM with 12" PVC WM - Selva Marina Dr from Saturiba to Seminole							640,000					640,000	2014 PW MP
Replace 2,400 LF of 4" AC WM with 8" PVC WM - Park Terrace E									390,000			390,000	2014 PW MP
Replace 4,300 LF of 8" AC WM with 12" PVC WM - Plaza from Seminole to Mayport Rd											688,000	688,000	2018 Stantec CIP
Replace 2,200 LF of 4" AC WM with 8" PVC - Seat Oats Drive and services											600,000	600,000	2014 PW MP
Replace 3,300 LF of 8" CI with 12" PVC - Seminole Rd from 5-Way to Atlantic Blvd										528,000		528,000	2014 PW MP
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PUBLIC UTILITIES - WASTEWATER PROJECTS													
Replacement of Clay Service lines for Selva Marina, Oak Harbor and Park Terrace and services		200,000	200,000	200,000	200,000							800,000	2018 Stantec CIP
Influent wetwell replacement/expansion					450,000							450,000	PU Staff
Standardize all electric generator connections at all LSs			75,000	75,000								150,000	2018 Stantec CIP
Retrofit 14 High Priority LS Vulnerable to Flooding		275,000										275,000	Adaptation Plan
Retrofit 18 Medium Priority LS Vulnerable to Flooding			150,000									150,000	Adaptation Plan
Upsize headworks line to influent basin	350,000											350,000	PU Staff
Outfall D-001 Repair - WWTF to Outfall	325,000											325,000	Donner Rd Rebuild
Septic to Sewer 14 homes in Marsh Oaks (Begonia, Tulip)					350,000							350,000	2018 Stantec CIP
Septic to Sewer Remainder of Marsh Oaks (W Plaza, Carnation, Gladiola & Lilly)						350,000						350,000	2018 Stantec CIP
Selva Marina LS Sump Pump	24,000											24,000	PU Staff
Wetwell and suction pipes repair				50,000								50,000	PU Staff
Install screens/comminutor and pump replacements at Buccaneer LS			400,000									400,000	2018 Stantec CIP
Selva Marina LS Forcemain Extension	170,000											170,000	PU Staff
Replace 1,340 LF of 8" effluent FM from LS Donner (LS C)	187,000											187,000	2018 Stantec CIP, in conjunction with Donner rebuild
Puckett Creek FM Crossing @ Oak Harbor Baptist	110,000											110,000	PU Staff
Construct hypochlorite/sulfur dioxide building & convert from Cl2 gas to HOCL			250,000									250,000	2018 Stantec CIP
Improve aeration tank include a structural integrity study, new drains and sand blasting				250,000								250,000	2018 Stantec CIP
Install second centrifuge				300,000								300,000	2018 Stantec CIP
Pre-treatment: replace existing eccentric plug valves			40,000									40,000	2018 Stantec CIP
Chlorination: add motor operators to the chlorine contact chamber sluice gates (7 total)									90,000			90,000	2018 Stantec CIP
Blower Buildings: improve ventilation at blower buildings		15,000										15,000	2018 Stantec CIP
Construct new operations building							900,000					900,000	2018 Stantec CIP
Install pumps in effluent pond to feed filters at low flows and increase reuse	300,000											300,000	2018 Stantec CIP
Replace 2,400 LF of 8" effluent FM from Selva Marina LS (LS D)									320,000			320,000	2018 Stantec CIP
Replace 4,330 LF of 8" effluent FM from Cavalla LS (LS F)											559,000	559,000	2018 Stantec CIP
Replace 5,490 LF of 8" effluent FM from Mayport Landing LS								708,000				708,000	2018 Stantec CIP
Construct new headworks (includes design, eng & permitting)					1,500,000							1,500,000	2018 Stantec CIP
Replace 2,270 LF of 6" effluent FM from Mimosa Cove LS										275,000		275,000	2018 Stantec CIP
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	3,047,000	4,380,000	3,434,000	1,312,500	1,852,000	2,150,000	1,676,000	1,898,000	2,158,000	2,081,000	1,947,000	25,935,500	