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Marion County Utilities Capital Improvement Program Workshop

APRIL 9, 2024

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Utility Overview 2024

- ▶ 850 miles of water mains
- ▶ 61 Water Treatment Plants
- ▶ 6 Wastewater Treatment Plants
- ▶ 259 miles of gravity sewer main
- ▶ 153 miles of sewer forcemain
- ▶ 191 Lift Stations
- ▶ 14 miles of reclaimed water main
- ▶ 48,986 water customers
- ▶ 25,294 sewer customers

15,392,000 gallons per day of potable water delivered

2,889,000 gallons per day of wastewater treated

1,236,000 gallons per day of reclaimed water delivered



Utility Overview 2024 Cont'd

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► WWTP Treatment Capacity vs Flow (MGD)

- Oak Run WWTP – 1.60 / 1.065
- Shores WWTP – 2.00 / 1.304
- Stonecrest WRF – 1.00 / 0.249
- NWR WWTF – 0.800 / 0.309
- Salt Spring WWTP – 0.085 / 0.049
- Golden Holiday – 0.003 /0.001



Program Overview

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- Living Document updated annually and a 5 year project projection
- Rebalancing of the CIP includes:
 - Recently added projects from updated master plans
 - Projects added due to changing conditions and regulations
 - Project Prioritization Adjustments
- Today's workshop will provide a status update for projects
- Today's Discussion of CIP Project updates FY 24/25
- The New 5 year CIP will be rebalanced after the CAFR and the RSA is completed



CIP Components

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Construction

- Water Mains and Fire Hydrants
- Water Treatment Plant Additions/Improvements
- Lift Stations and Sewer Mains
- Wastewater Treatment Plant Improvements
- Utility Relocations due to Construction
- Reclaimed Water Stations and Mains
- Water and Sewer Extensions
- Grant Projects
- ARPA Projects

Non-Construction

- Toilet Rebate/Minor Capital Replacements
- Smart Water (ERP)
- Computerized Maintenance Management
- Utility Acquisitions
- Property Acquisitions
- Automated Meter Reading



Projects Update

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Item	Project Name	Contract Amount	Status		
			Completed	In Progress	Design
1	SW 49 th Court Road Utility Relocations*	\$ 718,186	X		
2	US 27 / NW 70 th Avenue Water Main & Force Main Relocations*	\$ 939,905	X		
3	Septic-to-Sewer Initiative – Phase 2*	\$ 90,276	X		
4	4-H Farm Septic-to-Sewer*	\$ 141,795	X		
5	Don Garlits Museum of Drag Racing Septic-to-Sewer*	\$ 162,848	X		
6	Cedar Hills WWTF Abandonment	\$ 2,515,673	X		
7	SR 326 Water Main Extension – Phase 1*	\$ 1,244,332	X		
8	Salt Springs Water Main Crossing	\$ 86,669	X		
9	Oak Run Elevated Tower Rehab	\$743,800	X		
10	Stonecrest WWTF Rehab – East Plant	\$ 791,700	X		
11	Oak Run WWTP Fence (RIBS)	\$ 56,554	X		
12	Oak Bend/I-75 Rest Area Package Plant Removal	\$ 2,089,088			X
13	Annual Lift Station Rehab	\$ 290,932			X
14	CR 484 & I-75 Interchange WM and FM Relocations (FDOT)	\$ 199,799			X
15	Elevator at Utilities Admin Building	\$ 103,680			X
16	New Sign for Utilities	\$100,000			X
17	Silver Springs Shores Unit 16 Septic-to-Sewer	\$ 5,075,113			X
18	PLC Replacements	\$ 383,741			X
19	Salt Springs Wastewater Plant Repairs	\$ 310,262			X
20	VFD Replacement (Shores re-use and Tri-plex)	\$ 500,000			X



Projects Update Cont'd

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Item	Project Name	Contract Amount	Status		
			Completed	In Progress	
				Design	Bid
21	Baseline Force Main Improvements	\$ 500,000		X	
22	Lower Floridan Test Well	\$ 2,800,000			X
23	Irish Acres to Kunal Water Main Interconnect (441 to I-75)	\$ 2,674,408		X	
24	NW Regional WTP	\$ 5,000,000		X	
25	I-75/NW 49 th Street Interchange WM & FM	\$ 2,189,687		X	
26	SR 200 Septic-to-Sewer	\$ 534,698		X	
27	Annual Service Line Replacements/Installations	\$ 186,250			X
28	Annual Manhole Rehab	\$ 304,105		X	
29	Salt Springs Water Well Upgrades	\$ 176,435		X	
30	Southwest (Oak Run) WWTF (Planning/Pre-Design)	\$ 159,140		X	
31	NW 49 th Street (NW 44 th Ave to 225A) – WM & FM	\$ 165,800		X	
32	225A/NW 80 th Avenue Widening – WM & FM Design	\$ 1,642,391		X	
33	Irish Acres to Silver Springs Regional 16-inch Water Main	\$ 7,202,720		X	
34	The Centers Septic to Sewer	\$ 6,723,815			X
35	Marion Oaks Water Line Extensions	\$ 14,499,145			X
36	Silver Springs Shores Septic to Sewer Phase 1	\$ 2,121,775			X
37	Silver Springs Shores Septic to Sewer Phase 2	\$ 346,605			X
38	Silver Springs Shores Septic to Sewer Phase 3	\$ 979,222		X	
39	Silver Springs Shores Septic to Sewer Phase 4	\$ 983,510		X	
40	Ocala Tractor Water Main	\$ 420,000			X



Projects Update Cont'd

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Item	Project Name	Contract Amount	Status		
			Completed	In Progress	
				Design	Bid
41	US 301 – (He Shed/She Shed) Water Main	\$ 48,400			X
42	Coyote Crossing Water Main and Wastewater Gravity	\$ 293,973			X
	CIP PROJECT - TOTAL	\$ 66,496,432			



5-year CIP Summary

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Capital Improvement Program (563102)

Project Name	CURRENT BALANCE	FY 24/25	FY 25/26	FY 26/27	FY 27/28	FY 28/29
Elevator at Utilities Admin Building	\$ 18,940	\$ -	\$ -	\$ -	\$ -	\$ -
New Sign for Utilities	\$ 100,000	\$ -	\$ -	\$ -	\$ -	\$ -
PLC Replacements	\$ 67,516	\$ -	\$ -	\$ -	\$ -	\$ -
SR200 Force Main Replacement	\$ 350,000	\$ -	\$ -	\$ -	\$ -	\$ -
Adena to Old Jax Road Force Main	\$ 2,100,000	\$ -	\$ -	\$ -	\$ -	\$ -
Baseline Force Main Improvements	\$ 2,014,067	\$ -	\$ -	\$ -	\$ -	\$ -
Marion Oaks Blvd LS and Force main	\$ -	\$ -	\$ -	\$ 2,134,000	\$ -	\$ -
Vac Truck Dump Station Rehab	\$ 100,000	\$ -	\$ -	\$ -	\$ -	\$ -
Cedar Hills Water Main Replacement	\$ 600,000	\$ 600,000	\$ -	\$ -	\$ -	\$ -
Sun Country Water Mains	\$ 120,000	\$ -	\$ -	\$ 1,200,000	\$ -	\$ -
Lift Station and Sewer Main Rehab	\$ 2,190,479	\$ 1,235,000	\$ 735,000	\$ 735,000	\$ 735,000	\$ 735,000
Water Line Extensions and Hydrants	\$ 3,689,586	\$ 600,000	\$ 600,000	\$ 600,000	\$ 600,000	\$ 600,000
Majestic Oaks Ground Storage and High Service Pump for Fire Flow	\$ -	\$ 500,000	\$ 500,000	\$ -	\$ -	\$ -
Water System Storage analysis and Improvements	\$ -	\$ 300,000	\$ -	\$ -	\$ 2,000,000	\$ 2,000,000
Line Crew Water Line Construction	\$ 318,194	\$ 800,000	\$ 800,000	\$ 800,000	\$ 800,000	\$ 800,000
CR 484 Wastewater Repump Station	\$ -	\$ 250,000	\$ 1,500,000	\$ -	\$ -	\$ -
Relocate Water and Sewer Lines due to Construction	\$ 652,220	\$ 200,000	\$ 200,000	\$ 200,000	\$ 200,000	\$ 200,000
Automated Meter Reading	\$ 48,531	\$ 1,150,000	\$ 1,150,000	\$ 1,150,000	\$ 1,150,000	\$ 1,150,000
SCADA Improvements at Water Plants	\$ 297,369	\$ 150,000	\$ 150,000	\$ 150,000	\$ 150,000	\$ 150,000
Reclaimed Water Stations and Reclaim Mains	\$ 501,951	\$ -	\$ -	\$ -	\$ -	\$ -
Water Treatment Plant Additions/Improvements	\$ 8974,713	\$ 4,300,000	\$ 3,500,000	\$ 3,500,000	\$ 2,600,000	\$ -
Former Marion Utilities Water Treatment Plant Improvements	\$ 1,339,083	\$ -	\$ -	\$ -	\$ -	\$ -
Wastewater Treatment Plant Improvements	\$ 2,590,152	\$ 9,000,000	\$ 9,000,000	\$ -	\$ -	\$ -
Former Marion Utilities Wastewater Treatment Plant Improvements	\$ 60,284	\$ -	\$ -	\$ -	\$ -	\$ -



5-year CIP Summary Cont'd

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Capital Improvement Program (563102)

Project Name	CURRENT BALANCE	FY 24/25	FY 25/26	FY 26/27	FY 27/28	FY 28/29
Computerized Maintenance Management	\$ 104,991	\$ -	\$ -	\$ -	\$ -	\$ -
Toilet Rebate/Minor Capital/Replacements	\$ 109,677	\$ -	\$ -	\$ -	\$ -	\$ -
NW 80th Ave Water and Sewer Mains	\$ 1,642,391	\$ 2,000,000	\$ -	\$ -	\$ -	\$ -
NW 49th St Water and Force Main	\$ 2,023,887	\$ 600,000	\$ -	\$ -	\$ -	\$ -
Irish Acres and Kunal interconnect	\$ 2,674,408	\$ -	\$ -	\$ -	\$ -	\$ -
Marion Oaks Fire Flow Improvements	\$ 209,865	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000
Smart Water Software Integration	\$ 846,137	\$ -	\$ -	\$ -	\$ -	\$ -
NW 49th to CR225A Water and Force Main	\$ -	\$ 2,000,000	\$ 2,700,000	\$ -	\$ -	\$ -
NW 49th to SR326 Water and Force Main	\$ -	\$ -	\$ 1,600,000	\$ 1,600,000	\$ -	\$ -
SW 49th Ct Rd Segment F	\$ 812,295	\$ -	\$ -	\$ -	\$ -	\$ -
Utility Acquisitions	\$ 544,189	\$ -	\$ -	\$ -	\$ -	\$ -
CR484 at I75 Utility Reconstruction	\$ 104,630	\$ -	\$ -	\$ -	\$ -	\$ -
Oak Bend Decommissioning	\$ 2,020,304	\$ -	\$ -	\$ -	\$ -	\$ -
I-75 Rest Area Water & Sewer Connection	\$ 35	\$ -	\$ -	\$ -	\$ -	\$ -
Irish Acres to Silver Springs Regional construction	\$ 7,202,720	\$ -	\$ -	\$ -	\$ -	\$ -
Lower Floridan Well Utopia	\$ 630,250	\$ -	\$ -	\$ -	\$ -	\$ -
State Road 200 Septic to Sewer	\$ 534,698	\$ -	\$ -	\$ -	\$ -	\$ -
Wastewater Package Plant Removal	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Eastside Maintenance Building	\$ 289,200	\$ 1,446,000	\$ 1,446,000	\$ -	\$ -	\$ -
Westside Maintenance Building	\$ 183,750	\$ 936,750	\$ 936,750	\$ -	\$ -	\$ -
Water Line Extensions	\$ 193,908	\$ -	\$ -	\$ -	\$ -	\$ -
Marion Oaks Water Line Extensions	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
The Centers Septic to Sewer	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -



5-year CIP Summary Cont'd

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Capital Improvement Program (563102)

Project Name	CURRENT AND PREVIOUS	FY 24/25	FY 25/26	FY 26/27	FY 27/28	FY 28/29
Septic to Sewer	\$ 25,618,879	\$ -	\$ -	\$ -	\$ -	\$ -
Silver Springs Shores Phase 1	\$ 1,881	\$ -	\$ -	\$ -	\$ -	\$ -
Silver Springs Shores Phase 2	\$ 1,500	\$ -	\$ -	\$ -	\$ -	\$ -
Silver Springs Shores Phase 3	\$ 515,484	\$ -	\$ -	\$ -	\$ -	\$ -
Silver Springs Shores Phase 4	\$ 2,630	\$ -	\$ -	\$ -	\$ -	\$ -
Silver Springs Shores Phases 1 through 4	\$ 19,317,624	\$ -	\$ -	\$ -	\$ -	\$ -
TOTAL	\$ 91,718,418	\$ 26,167,750	\$ 24,917,750	\$ 12,169,000	\$ 8,335,000	\$ 5,735,000



Lift Station and Sewer Main Rehab

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FY 24/25 Projects

Capital Improvement Program (563102)

Project Name	FY 24/25	FY 25/26	FY 26/27	FY 27/28	FY 28/29
Lift Station and Sewer Main Rehab	\$ 1,235,000	\$ 735,000	\$ 735,000	\$ 735,000	\$ 735,000
Annual Lift Station Rehabilitation	\$ 250,000	\$ 250,000	\$ 250,000	\$ 250,000	\$ 250,000
Annual I&I Program	\$ 250,000	\$ 250,000	\$ 250,000	\$ 250,000	\$ 250,000
Annual Odor Control	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000
Annual Pigging Services	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000
Lightning Protection Lift Stations - Annual Program	\$ 10,000	\$ 10,000	\$ 10,000	\$ 10,000	\$ 10,000
Emergency and Scheduled Repairs of Sewer Mains	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000
Shores offsite EQ Decommissioning	\$ 500,000				



Water Line Extensions & Hydrants FY 24/25 Projects

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Capital Improvement Program (563102)					
Project Name	FY 24/25	FY 25/26	FY 26/27	FY 27/28	FY 28/29
Water Line Extensions & Hydrants	\$ 600,000	\$ 600,000	\$ 600,000	\$ 600,000	\$ 600,000
Owner paid water line extensions	\$ 250,000	\$ 250,000	\$ 250,000	\$ 250,000	\$ 250,000
Annual Fire Hydrant Installation	\$ 75,000	\$ 75,000	\$ 75,000	\$ 75,000	\$ 100,000
Annual Water Valve Replacement	\$ 75,000	\$ 75,000	\$ 75,000	\$ 75,000	\$ 250,000
Annual Service Line Replacement	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000
County-wide Water Main Extensions	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000



Water Treatment Plant Additions/Improvements FY 24/25 Projects

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Capital Improvement Program (563102)					
Project Name	FY 24/25	FY 25/26	FY 26/27	FY 27/28	FY 28/29
Water Treatment Plant Additions/Improvements	\$ 4,300,000	\$ 3,500,000	\$ 3,500,000	\$ 2,600,000	\$ -
Replace well at Marion Oaks #4	\$ 300,000	\$ -	\$ -	\$ -	\$ -
Sun Country Water Treatment Plant	\$ -	\$ -	\$ 1,000,000	\$ 2,600,000	\$ -
SE Regional Water Treatment Plant	\$ -	\$ 2,500,000	\$ 2,500,000	\$ -	\$ -
NW Regional Water Treatment Plant	\$ 4,000,000	\$ 1,000,000	\$ -	\$ -	\$ -



Wastewater Treatment Plant Improvements FY 24/25 Projects

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Capital Improvement Program (563102)					
Project Name	FY 24/25	FY 25/26	FY 26/27	FY 27/28	FY 28/29
Wastewater Treatment Plant Improvements	\$ 9,000,000	\$ 9,000,000	\$ -	\$ -	\$ -
SW Wastewater Treatment Plant	\$ 9,000,000	\$ 9,000,000	\$ -	\$ -	\$ -



Grant Funding Received

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- ▶ Silver Springs Shores Septic-to-Sewer Phases I - FDEP: \$3,000,000
- ▶ Silver Springs Shores Septic-to-Sewer Phases 2 - FDEP: \$3,000,000



Grant Funding Applications SWFWMD, SJRWMD & FDEP Springs

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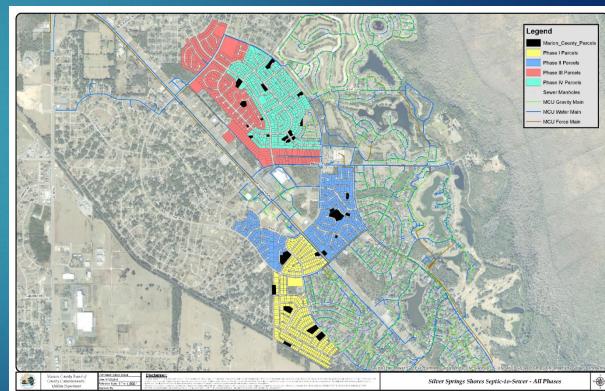
- ▶ Silver Springs Shores Septic-to-Sewer Phases III & IV – FDEP (Additional ARPA Funds): \$25,000,000 each
- ▶ Silver Springs Shores Septic-to-Sewer Phases III & IV – FDEP (Springs Grant): \$22,200,000 each
- ▶ Hazard Mitigation Grant Program (Generators for Water Treatment Plants) – FDEM: \$551,643
- ▶ SE Regional Water Treatment Plant – Water Resource Development Act: \$10,000,000



ARPA Projects

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- ▶ Silver Springs Shores Septic-to-Sewer – 4 Phases, Approximately 500 Parcels Each
 - ▶ Constructing Water Main and Gravity Sewer
- ▶ Update
 - ▶ Phase 1: Bids Opened on April 12, 2024
 - ▶ Phase 2: Bids Opened on March 14, 2024
 - ▶ Phase 3: 90% designed
 - ▶ Phase 4: Approaching 90% design

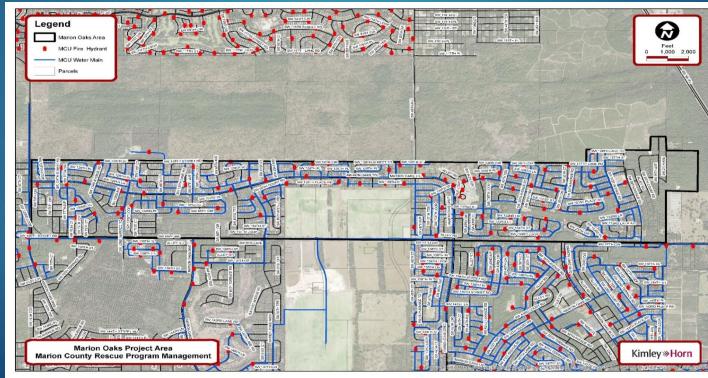




ARPA Projects

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- Marion Oaks Water Main Extensions – Completing All Water Mains North and East of CR484
- Update: Construction Task Order Approved on March 19, 2024 Board Meeting, construction expected to be completed in late 2025



ARPA Projects

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- The Centers Package Plant Decommissioning – Installing Water Main and Force Main to The Centers to remove their existing WWTP and WTP
- Construction Task Order Approved on January 10, 2024 Board Meeting
- Update: Currently under construction, expected completion in late Summer 2024



Thank you for your time



Any Questions or Comments ?