



Marion County

Board of County Commissioners

Workshop

Meeting Agenda

Tuesday, December 2, 2025

2:00 PM

**McPherson Governmental
Campus Auditorium**

Workshop to Discuss Southwest Regional Water Reclamation Facility

INTRODUCTION OF WORKSHOP BY CHAIRMAN CARL ZALAK III

PLEDGE OF ALLEGIANCE

ROLL CALL

WORKSHOP PRESENTATION

1. [Present Southwest Regional Water Reclamation Facility Update](#)

BOARD DISCUSSION AND CLOSING COMMENTS



Marion County

Board of County Commissioners Workshop

Agenda Item

File No.: 2025-21416

Agenda Date: 12/2/2025

Agenda No.: 1.

SUBJECT:

Present Southwest Regional Water Reclamation Facility Update

INITIATOR:

Tony Cunningham, P.E., Director

DEPARTMENT:

Utilities

DESCRIPTION/BACKGROUND:

On March 21, 2023, the Board approved a contract with Ardurra Group, Inc., to provide engineering services for the Southwest Service Area Wastewater Treatment Facility Project Design for the Marion County Utilities Department. The first phase of this project was to address the preliminary study to determine the long and short-term solutions and to support future development and design tasks.

The second phase of this project, which was approved on August 20, 2024, includes design, permitting and bidding assistance for the Oak Run Wastewater Treatment Plant expansion from 1.6 million gallons per day (MGD) to 3.5 MGD treatment capacity as well as designing and bidding of an early work operating and maintenance component to improve existing operations, prior to the expansion construction. Odor Management is considered and included in the scope of the project.

This workshop is an update regarding the second phase of the Southwest Regional Water Reclamation Facility project, formerly known as Oak Run Wastewater Treatment Plant.

BUDGET/IMPACT:

None

RECOMMENDED ACTION:

Update for discussion and direction from the Board.



MARION COUNTY UTILITIES SOUTHWEST REGIONAL WATER RECLAMATION FACILITY UPDATE

DECEMBER 2ND, 2025

PRESENTED BY: TONY CUNNINGHAM,
MARION COUNTY UTILITIES DIRECTOR
AND ARDURRA GROUP, INC.

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AGENDA

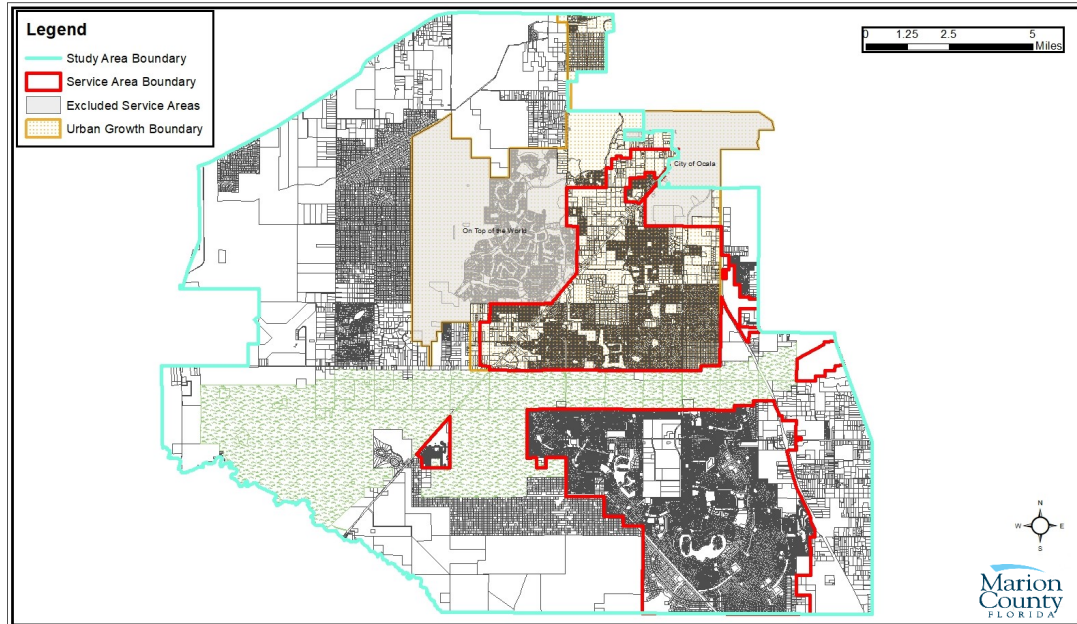


- Southwest Wastewater Service Area Historical Perspective
 - Southwest Service Area Map
- Due Diligence Work / Planning / Studies
 - Southwest Service Area Flow Projections
- Evaluation to Provide Future Capacity
- Facility Expansion & Long-Term Plan
- Effluent Disposal and Reuse Management
- Capital Cost Estimates
- CIP Objectives and Funding
- Next Steps and Action Items

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SOUTHWEST SERVICE AREA



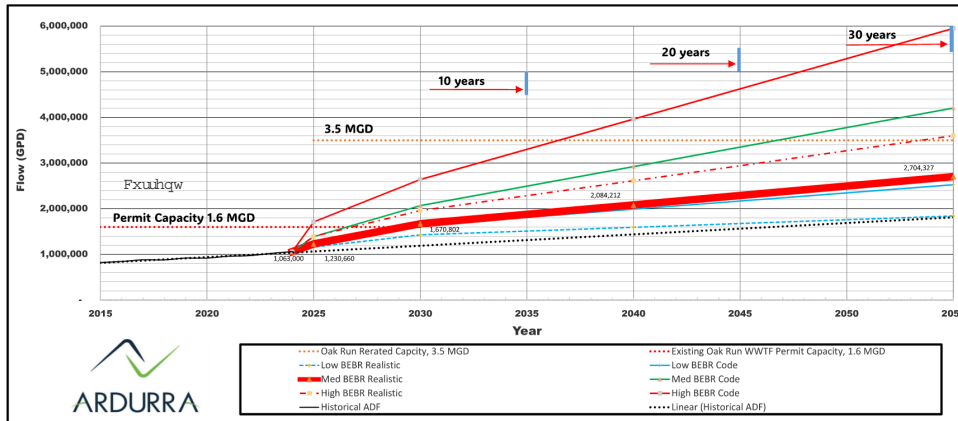
DUE DILIGENCE WORK / PLANNING / STUDIES



■ Engineering Studies and Reports

- Marion Oaks Sewer System Master Plan , December 2016
- Oak Run WWTF O&M Performance & Capacity Report, September 2022
- Southwest Service Area Design Project Conceptual Design Report, January 2024
- Southwest Service Area Design Project Conceptual Design Document, February 2024
- Oak Run WWTF Technical Memorandums 1, 2 and 3, April 2025

SOUTHWEST SERVICE AREA FLOW PROJECTIONS



- Flow projections based on Medium BEBR with Realistic Flows
- 66% of growth in Marion County will be in SW service area
- High Potential for New users within service area

EVALUATION TO PROVIDE FUTURE CAPACITY

- Prepared a Preliminary Engineering Report Evaluating:
 - Expand Southwest Regional Water Reclamation Facility (SWRWRF) to 3.5 MGD
 - Provides capacity for approximately 30 years
 - Evaluated various biological treatment alternatives to ensure most cost-effective option

EXISTING FACILITY

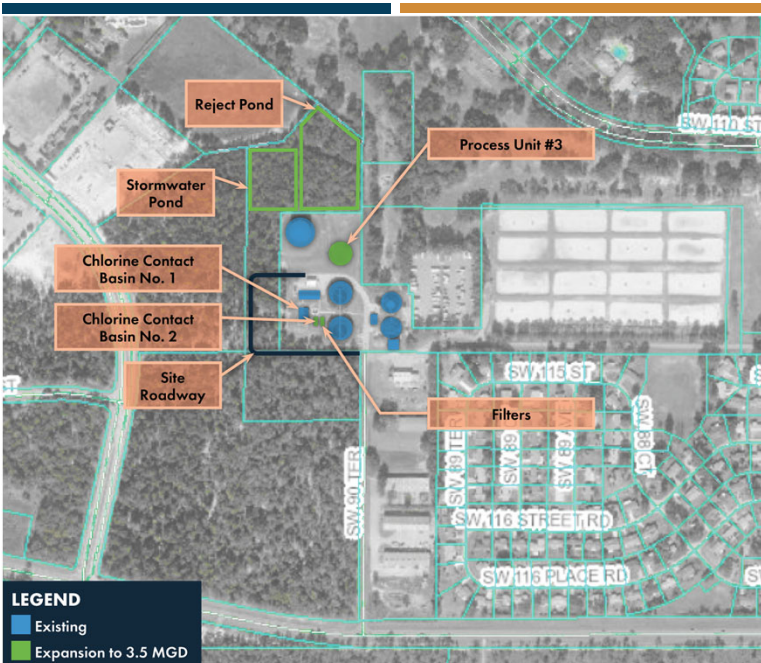


SOUTHWEST REGIONAL WATER RECLAMATION FACILITY

- 1.6 MGD Facility
- Two (2) Biological Process Tanks
- Odor Control at Headworks and Peak Shaving Tank
- Digester and Biosolids Handling Facility
- Emergency Power and Electrical Systems
- Operations Building

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EXPANSION TO 3.5 MGD

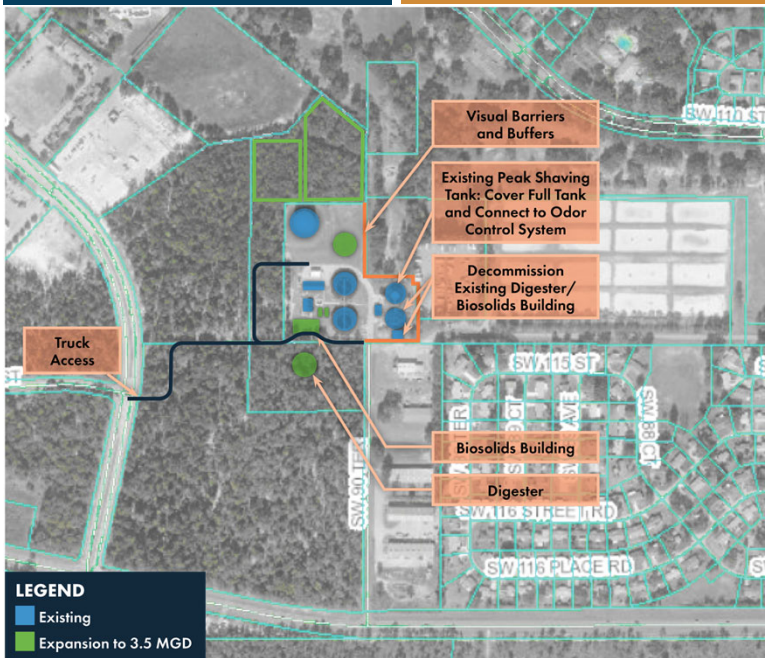


SOUTHWEST REGIONAL WATER RECLAMATION FACILITY

- Additional Main Biological Process Tank
- Additional Filters
- Additional Chlorine Disinfection Tankage
- Add Lined Basin for Reject Water
- Additional Emergency Power Generation
- Site Improvements

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MODIFICATIONS TO FACILITY BASED ON COMMUNITY FEEDBACK



COMPLETED/IN PROGRESS MEASURES CONSIDERING PROXIMITY TO NEIGHBORHOOD

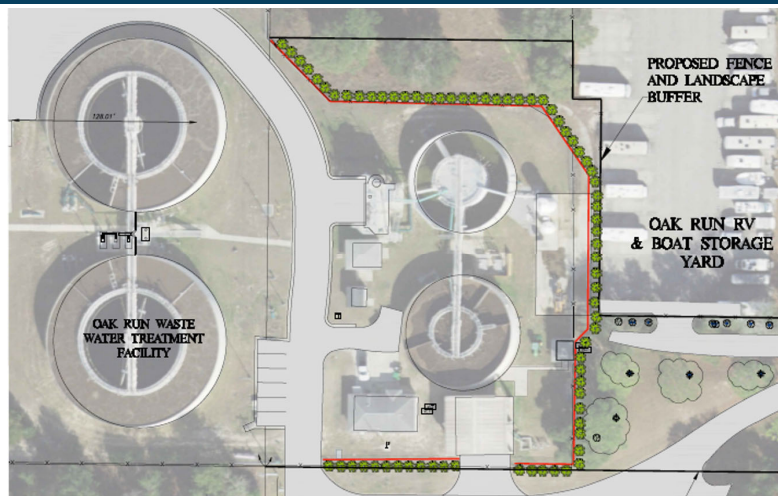
- Thioguard Chemical Injection (Odor Control)
- Collection System Evaluations & Improvements
- Landscape Buffers and Walls
- Install Baffle Curtains to Mitigate Odors & Screening at Existing Biosolids Building
- Install new blowers to mitigate noise

ADDITIONAL FUTURE MEASURES CONSIDERING PROXIMITY TO NEIGHBORHOOD

- Relocation of Biosolids Management Facilities
- Relocation of Access Road
- Decommissioning of Existing Biosolids Management Facilities
- Additional Covers for Odor Control

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SCREENING IMPROVEMENTS AT SWRWRF



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SCREENING IMPROVEMENTS AT SWRWRF



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LAND ACQUISITION / FUTURE



SOUTHWEST REGIONAL WATER RECLAMATION FACILITY

- Area for Future Facility Expansion
- New Main access to Facility
- Area for Stormwater Management
- Future Wet Weather Storage / Reject Water Storage
- Utility and Pipeline Corridor Access
- Future Customer Service Office Location

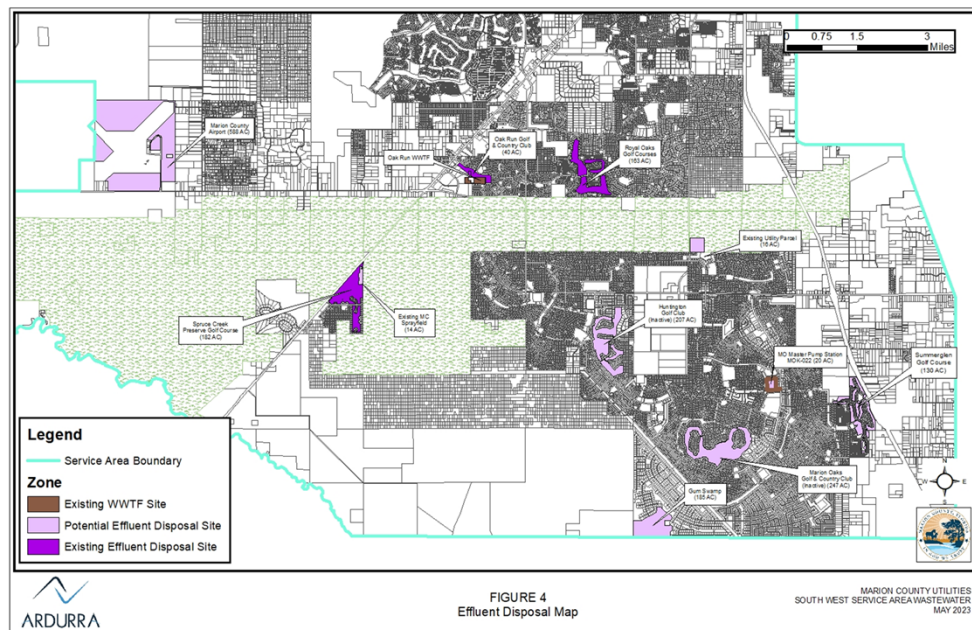
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EFFLUENT DISPOSAL AND REUSE MANAGEMENT



- Locations and objective for capacity expansion in stages
- Wetland Recharge/Florida Greenways
- Reclaimed water and reuse
 - Consistent with Water Use Permit/Consumptive Use Permit

EFFLUENT DISPOSAL AND REUSE MANAGEMENT



CIP OBJECTIVES AND FUNDING



- CIP Funding
 - Estimated Expansion Cost ~\$45M
 - Partially funded in current year with additional funds projected in CIP future years
- Targeted Funding Programs:
 - State Revolving Fund (SRF)
 - Community Development Block Grant (CDBG)
 - Hazard Mitigation Grant Program (HMGP)
 - State Water Quality Grants
 - Various USDA

NEXT STEPS



- Change order for modification of current scope to include additional upgrades
- Pursue Additional Land Acquisition at Current Location
- Summarize and incorporate BOCC feedback