

Staff Report

Subject: Approval of the Water/Wastewater Master Plan completed by Alliance Consulting Engineers

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Department: Water/Sewer

Meeting Date: April 2, 2024

Item Description: Water/Wastewater Master Plan

Summary Recommendation:

Executive Summary/Background:

- Alliance Consulting Engineers has been working on the Water/Wastewater Master Plan for Effingham County. After a review with staff and T&H personnel (serving in a Program Management capacity), here are some of the recent updates:
 - Section 2 to address 20-year projections.
 - Section 5 was updated for the Water and Wastewater Demand Projections to be for 20-years matching Section 2.
 - Section 6.4.1 was updated to include a Rough Order Magnitude (ROM) Cost for a new Water Treatment Plant and Raw Water Intake Pump Station.
 - Section 6.4.3 was updated to discuss Water Main Extension Projects along Courthouse Road, Midland Road, Georgia Highway 17, and Blue Jay Road.
 - Section 6.4.4 was updated to discuss Water Service to I-16 corridor.
 - Water Environment Consultants assisted with the Tide Study and Salinity Study noted in Sections 7.2.2.1 and 7.2.2.2. Their Reports are included in the Appendices.
 - Section 7.3 was updated to discuss Wastewater System Extension Projects in the area of Blue Jay Road, Courthouse Road, and Georgia Highway 17.
 - Section 7.3.2 was updated to discuss Wastewater Service to I-16 corridor.
- Staff and T&H personnel are comfortable with this submittal and request approval by the Board of Commissioners.

Alternatives for Commission to Consider

1. Approval of the Water/Wastewater Master Plan
2. Take no action.

Recommended Alternative: 1

Other Alternatives: 2

Department Review: T&H, County Manager, PCPM, County Engineer

Funding Source:

Attachments: Water/Waster Master Plan