

Staff Report

Subject: Approval of the Engineering Evaluation and Feasibility Study of the Effingham County Water Treatment Plant – Phase I
Author: Tim Callanan, County Manager
Department: County Manager
Meeting Date: April 16, 2024
Item Description: Engineering Evaluation and Feasibility Study of the Effingham County Water Treatment Plant – Phase I

Summary Recommendation: Staff recommends approval of the Engineering Evaluation and Feasibility Study of the Effingham County Water Treatment Plant – Phase I.

Executive Summary/Background:

Currently, Effingham County Board of Commissioners purchases water from the City of Savannah. ECBOC has requested assistance from Goodwyn Mills Cawood (GMC) to determine the feasibility of building a new plant versus purchasing water from the City of Savannah. If feasible, Effingham County needs assistance in developing a Source Water Assessment Plan, Design Development Report, and associated regulatory permits to move to a detailed design of a new intake and treatment facility. GMC will approach this in two phases with Phase I addressing feasibility and Phase II occurring if determined feasible. The estimated time for completion of Phase I is 7 weeks, with a total cost of \$37,000.00. The tasks of Phase I include:

- Task 0 – Project Management
- Task 1 – Community Engagement
- Task 2 – Distribution
- Task 3 – Source Water Assessment
- Task 4 – Demand Projections & Capacity Analysis
- Task 5 – Treatment and Piloting
- Task 6 – Regulatory
- Task 7 Design Development Report

The proposal has been reviewed and approved to form by the County Attorney.

Alternatives for Commission to Consider:

1. Approve the Engineering Evaluation and Feasibility Study of the Effingham County Water Treatment Plant – Phase 1 for the total cost of \$37,000.00.
2. Do not approve the proposed agreement.
3. Provide Staff with direction.

Recommended Alternative: Staff recommends alternative number 1

Other Alternatives: 2 or 3

Department Review: County Manager, County Attorney

Funding Source: Water System Fund

Attachments: Engineering Evaluation and Feasibility Study of the Effingham County Water Treatment Plant Proposal from GMC