

Coweta County Water & Sewerage Authority

Meeting Amended Agenda

Wednesday, December 3, 2025

Board Room

Meeting Time: 9:00 A.M.

<u>Approx Time</u>	<u>Agenda Item</u>	<u>Presenter</u>
9:00 a.m.	Call to order	Chairman Bartlett

Pledge of Allegiance
Invocation

Approval of minutes from the November 5, 2025 meeting

Business

Service Award	Jay Boren
Approval of the Sewer Use Ordinance, Pretreatment Ordinance and Other Supporting Documents	Jay Boren
Approval of Krebs Engineering Task Order No. 25513 – Hydraulic Model Calibration	Jay Boren
Update on Operations	Rick Jones
Update on Human Resources	Mandy Sledd
Update on Customer Care/Information Technology	Alan Sibley
Monthly Report	Roger Dawson

Agenda Additions:

Executive Session

Litigation / Real Estate/ Personnel

Adjournment

Next Board Meeting Wednesday, January 7, 2026 at 9:00AM

Task Order No. 25513
Dated the 18th day of November 2025

CCWSA HYDRAULIC MODEL CALIBRATION

This Task Order is issued pursuant to the terms and conditions of the General Services Agreement between Coweta County Water & Sewerage Authority ("Client") and Krebs Engineering, Inc. ("Krebs") dated March 3, 2021.

SECTION 1 - PROJECT DESCRIPTION

The project will generally consist of updating and calibrating the existing Coweta County Water & Sewerage Authority's (CCWSA) hydraulic water model, prepared in 2018, with current water system physical attributes (pipelines, valves, pumps, etc.), operational scenarios, and water system demands. The model will be developed utilizing Bentley WaterGEMS software. The hydraulic model will be used to evaluate the existing water distribution system and provide the ability to plan for needed water system improvements as growth occurs.

The scope of services is described in more detail below.

SECTION 2 - SCOPE OF SERVICES

The scope of services to be provided by Krebs shall consist of the following items. Anything not enumerated below or otherwise specifically set out herein as a scope of service shall constitute additional services.

Section 2.1 - Preliminary Services

1. Consultation with the Client

Section 2.2 - Engineering Services

1. Import CCWSA's GIS water distribution system database into the hydraulic network modeling software (WaterCAD GEMS). It is intended only to import the newly constructed water distribution system infrastructure since the model was last updated in 2018.
2. Update the hydraulic network based on a meeting with CCWSA and record drawings provided by CCWSA.
3. Gather current operational data for the water treatment plant (finished water pumping station), booster pumping stations, water storage tanks, distribution system control valves (pressure reducing, altitude, etc.), water meter billing records, and wholesale purchase/sale locations.
4. Review available fire flow data and develop a plan for field testing (pressure monitoring and flow testing at fire hydrants). Review the proposed plan with CCWSA staff.
5. Perform initial field testing (assume two (2) days of field testing required for field calibration).
6. Calibrate the Model for Water Storage Tank Levels: Incorporate field testing data into the Model and run the Model using 72-hour extended-period simulations. Continue modeling runs and field testing as needed to calibrate the Model for water levels in water storage

tanks (+/-10% calibration error for water levels in Model vs. actual water levels from SCADA data).

7. Calibrate the Model for Pressure/Fire Flow Demands: Incorporate field testing data into the Model and run the Model using 72-hour extended-period simulations. Continue modeling runs and field testing as needed to calibrate the Model for pressures during fire flow tests (+/-10% calibration error for fire flow pressures in Model vs actual fire flow pressures recorded during fire flow/pressure testing in field).
8. Develop an average day demand modeling scenario, evaluate the results, and develop recommendations for improvements.
9. Develop a peak day demand modeling scenario, evaluate the results, and develop recommendations for improvements.
10. Develop a technical memorandum to summarize the hydraulic modeling, the calibration process, demand allocation, and average/peak day evaluations.
11. Krebs will provide the Client with the calibrated hydraulic model and all supporting digital files for the water system model.

Section 2.3 – Engineering Services Not Included

1. Field investigation to determine size or type of material for pipelines, valves, etc. which would require the excavation of the asset in order to perform the evaluation.
2. Field Surveys to determine line locations, property lines, lengths of pipelines, tank elevations, etc.

Section 2.4 – Required Client Provided Information

Krebs will work with the Client to obtain the following information:

1. GIS, SCADA Data, and operational data for the water distribution system.
2. Available system test data to include fire flow testing.
3. Water meter data (including large users and wholesale connections).
4. Booster pumping station pump curve data.
5. Water system data that may not be included in the GIS data (e.g. projects currently under construction)

Section 2.6 - Deliverables

Krebs will provide the following Deliverables to the Client:

1. Periodic project status reports upon request by the Client
2. One (1) electronic copy of Technical Memorandum in PDF format
3. One (1) electronic copy of Hydraulic Model in Bently WaterGEMS format

SECTION 3 - COMPENSATION

Compensation paid to Krebs for completing the Scope of Services included in this Task Order will be as follows:

Section 3.1 - Time-and-Expense Fee

Fees determined on a time-and-expense basis including time charges (at then standard hourly rates) plus direct job expenses will be paid to Krebs as compensation for:

1. Preliminary Services
2. Engineering Services

The total of these time charges plus direct job expenses and sub-consultant expenses will not exceed Ninety Five Thousand dollars (\$95,000) without prior written consent of the Client.

SECTION 4 - DESIGNATED REPRESENTATIVES

Section 4.1 - Client Representative

Rick Jones
545 Corinth Road
Newnan, GA 30263
Office Phone: 770-254-3710
Email: rjones@cowetawater.com

Section 4.2 - Krebs Representative

Jarred Jackson
15 LaGrange Street
Newnan, GA 30263
Office: 470-724-5050
Cell: 404-431-9525
Email: Jarred.Jackson@KrebsEng.com

SECTION 5 - EXECUTION

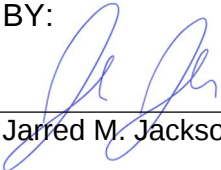
This Task Order, including all attachments and addenda, constitutes the entire Task Order between the Client and Krebs, and supersedes all prior written or oral understandings, statements, and representations. The Client and Krebs have caused their duly authorized representatives to execute and attest this Task Order effective on the date first written above.

CLIENT
COWETA COUNTY WATER &
SEWERAGE AUTHORITY
BY:

ATTEST:

KREBS ENGINEERING, INC.
BY:

ATTEST:


Jarred M. Jackson, P.E, Senior Associate


Mark A. Smith, P.E., President