

CLAYTON COUNTY WATER AUTHORITY  
Regular Board Meeting

Present at the meeting were: Chairman Robin Malone, Vice Chair Marie Barber, Secretary/Treasurer Rodney Givens, Board Member Mike Thomas, Board Member John Chafin, Board Member Dr. Cephus Jackson, Board Member Emma Godbee, General Manager H. Bernard Franks, Assistant General Manager Teresa Worley, Assistant General Manager Keisha Thorpe, Legal Counsel Winston Denmark, Executive Coordinator Rhonda Maxwell and other CCWA staff and visitors.

**Invocation**

Michael Thomas introduced Talent Development Partner Maria Perry to perform the invocation.

**Adoption of Agenda**

UPON MOTION by Dr. Cephus Jackson and second by Rodney Givens it was unanimously

RESOLVED to approve the agenda as presented.

**Approval of Minutes**

Chairman Robin Malone called for any omissions or additions to the Minutes of the Regular Board Meeting held on May 5, 2022.

UPON MOTION by Dr. Cephus Jackson and second by Rodney Givens, it was unanimously

RESOLVED to approve the amended Minutes of the Regular Board Meeting held on May 5, 2022, to reflect the introduction of the Invocation by Emma Godbee.

**Financial and Statistical Reports**

Finance Director Allison Halron reviewed the financial information distributed to the Board for the period ending April 30, 2022. Information only, no action taken.

**Recognition**

Communications & Community Relations Manager Suzanne Brown recognized Model Water Tower Competition Winners. Information only, no action taken.

**New Business**

**London and Christi Court Lift Station Detailed Design and Bid Services Task Order**

**Recommendation:** General Services Director Brent Taylor presented a bid recommendation for London and Christi Court Lift Station Detailed Design.

CCWA staff have identified the need for improvements to the London Court and Cristi Court Lift Stations. These lift stations are in proximity to each other, in the lower portion of the W.B. Casey Sewer Service Area. The London Court Lift Station was constructed in 1969 and upgraded in 1990. It receives flow from the Claude Court Lift Station, as well as approximately 1000 residential homes, and pumps this flow to an 8-inch diameter, 1450 linear-foot cast iron force main. The Cristi Court Lift Station was constructed in 1984. It receives flow from only 14 residential homes and pumps this flow to a 2-inch diameter, 50 linear-foot PVC force main. The drivers for prioritizing these lift stations for improvements are summarized below.

At the London Court Lift Station, the 5-foot diameter wet well does not provide sufficient volume, resulting in short pump run times and high number of starts per hour which decreases the useful life of the pumps. Many of the components are reaching the end of their useful life, which has led to a recent history of failures and maintenance needs during rain events. Additionally, the pump enclosure has very limited space for maintenance, leading to less effective and efficient maintenance activities. At the Cristi Court Lift Station, the lift station is in poor condition overall and has significant corrosion issues. Additionally, the presence of overhead utility lines directly above the lift station creates a hazardous work environment, especially when removal of the submersible pumps is required.

Engineering Strategies, Inc. recently completed site visits, lift station evaluations, alternative analyses, and conceptual plans at these lift stations and identified the following recommended improvements:

#### **London Court Lift Station**

- New package lift station in same location
- New 8-foot diameter wet well
- Safety improvements – fencing and lighting

#### **Cristi Court Lift Station**

- New duplex package pump station in new location
- New 6-foot diameter wet well
- Generator rehabilitation
- Force main extension to new location
- The Task Order scope of work includes detailed design and bid phase services to procure a contractor for the improvements listed above. The overall project duration is 8 months. The scope of work includes the following:

#### **Task 1 – Planning and Detailed Design**

- 50%, 90% and 100% design of identified improvements
- Technical specifications
- Construction cost estimate
- Land development permit application
- Easement plats for Cristi Court Lift Station

**Task 2 – Bidding/Procurement**

- Bid Documents (single bid package for Cristi Ct. and London Ct. Lift Stations Improvements)
- Bid phase support (pre-bid meeting, site visit, addenda, bid evaluation and recommendation)
- Contract execution support (conformed documents, contractor coordination)

**Recommendation:**

CCWA staff recommends awarding Task Order ES-RE-22-01 to Engineering Strategies, Inc., in the amount of \$71,897.00, for London Court and Cristi Court Lift Station Improvements – Detailed Design and Bid Services.

Staff also recommends the CCWA Board’s authorization for the General Manager to execute the Task Order.

UPON MOTION by John Chafin, second by Dr. Cephus Jackson, it was unanimously

RESOLVED to award Task Order ES-RE-22-01 to Engineering Strategies, Inc., in the amount of \$71,897.00, for London Court and Cristi Court Lift Station Improvements – Detailed Design and Bid Services, authorizing the General Manager to execute the Task Order.

**W.B. Casey Pelletizing West Dryer Drum Replacement Recommendation:** Water Reclamation Director Kendra Staniel presented a bid recommendation for a West Dryer Drum Replacement for W.B. Casey Pelletizing.

Rotary Dryer Drums are used for processing biosolids at the W.B. Casey Water Resource and Recovery Facility. These solids must be removed and disposed of to achieve permit compliance with the Georgia Environmental Protection Division. This process begins with liquid sludge being dewatered on the filter belt press to the consistency of damp clay. This damp clay (cake) is then transferred to the dryer drums where the cake is continuously dewatered via a thermal drying process. The cake becomes hard and forms a dry pellet. Approximately, 16 tons a day of this dry pellet is produced. The dryer drum is experiencing excessive vibration and significant welding repairs have been performed

on it in the last couple of years. The condition of the dryer drum continues to worsen. The dryer drum was installed in 2012 and is approaching the end of its useful life. This specialized drum is only manufactured by Baker Rullman Manufacturing, Inc.

**Recommendation:**

CCWA staff recommends the purchase of a specialized dryer drum in the amount of \$316,553.00. This cost includes the rotary dryer drum, trunnion flat and flanged base assemblies, trunnion wheels, sprockets, chains, and gaskets. The funding for the dryer drum has been budgeted in the W.B. Casey WRRF Pelletizing Facility's annual operating budget.

UPON MOTION by Dr. Cephus Jackson, second by Rodney Givens, it was unanimously

RESOLVED to purchase a specialized dryer drum in the amount of \$316,553.00. This cost includes the rotary dryer drum, trunnion flat and flanged base assemblies, trunnion wheels, sprockets, chains, and gaskets.

**Thioguard Sole Source Recommendation:** Water Reclamation Director Kendra Stanciel presented a Sole Source recommendation to utilize Thioguard for odor, corrosion control and permit compliance.

The Clayton County Water Authority's Water Reclamation and General Services Departments utilize a chemical product whose trade name is Thioguard, which is only produced by Premier Magnesia LLC. This chemical is used at the Atlanta Lift Station and the Reeves Creek Lift Station for odor and corrosion control. It's also used at the Northeast WRF for alkalinity adjustment in the biological process and helps with odor and corrosion issues as well. Thioguard is a magnesium hydroxide slurry and is the highest quality technical grade available. It is manufactured through a proprietary process used for conditioning in municipal water and wastewater treatment. Thioguard is a safe, non-hazardous slurry similar in appearance and chemistry to milk of magnesia. When properly applied to municipal wastewater collection systems, it has been satisfactorily demonstrated to safely control hydrogen sulfide evolution, organic odors, corrosion, and FOG (fats, oils and grease.)

Wastewater treatment is performed in a sensitive biological environment wherein operation is performed at near neutral or slightly alkaline conditions requiring the highest reactive grade magnesium hydroxide available. Lower reactive grades are incapable of sufficiently neutralizing the acid generated in these environments and will pass through the system unused. Thioguard is manufactured to exacting particle size, specific surface area and particle size distribution to provide the highest reactivity and proper stability for transportation, pumping, and handling. This provides consistent performance, better dispersion and suspension stability that is critical to collection system and treatment plant operation while reducing acute in plant sludge generation associated with lime and lower grade magnesium hydroxides.

Another benefit for CCWA is that Premier Magnesia provides CCWA with the tankage and pumping equipment to apply the chemical into our system. In addition, if there is operational or maintenance issues associated with their equipment, Premier Magnesia is responsible.

**Sole Source Considerations**

- Thioguard is exclusively distributed by Premier Magnesia LLC
- The capability to be used with the existing equipment and facilities
- Existence of exclusive rights (patent, copyright, or license)
- Premier Magnesia provides all the necessary chemical application equipment for CCWA
- Premier Magnesia provides O&M support for the chemical equipment they provide CCWA
- Achieves CCWA objectives for odor, corrosion control and permit compliance

<b>Current Thioguard Cost per Gallon = \$2.28</b>		
	<b>Estimated Gallons Yearly Usage</b>	<b>Estimated Yearly Cost</b>
<b>Water Reclamation</b>	<b>69,450</b>	<b>\$158,346.00</b>
<b>General Services</b>	<b>74,000</b>	<b>\$168,720.00</b>
<b>Total</b>	<b>143,450</b>	<b>\$327,066.00</b>

**Recommendation:**

CCWA staff recommends sole sourcing the Premier Magnesia Thioguard product for the Northeast WRF and Atlanta and Reeves Creek Lift Stations. This sole source designation would be effective for a three-year period beginning June 1, 2022 and expiring on June 1, 2025. No firm pricing is provided for the Thioguard product as market conditions and fuel costs influence production costs.

UPON MOTION by Dr. Cephus Jackson, second by John Chafin, it was unanimously

RESOLVED to approve sole sourcing the Premier Magnesia Thioguard product for the Northeast WRF, Atlanta, and Reeves Creek Lift Stations effective for a three-year period beginning June 1, 2022 and expiring on June 1, 2025.

**Annual Contract for Cured In Place Pipe Bid Recommendation:** Stormwater Program Director Kevin Osbey presented a bid recommendation for an Annual Contract for Cured in Place Pipe.

As part of the sanitary sewer and stormwater capital improvement program, CCWA requested the services of an experienced Contractor to renew assets using the cured-in-place pipe (CIPP) lining method along with other material installations associated with sanitary sewer and stormwater infrastructure.

To accomplish the numerous tasks associated with this work, CCWA staff prepared a comprehensive bid package that incorporates nearly 500 items, as shown on the unit price attachment. This work will primarily be performed for the Distribution & Conveyance (D&C) and Stormwater departments.

In preparing this RFB, staff determined a primary contractor, and a back-up contractor, could be selected for all proposed work. Staff also realizes that this method of pipe rehabilitation is specialized. There are a few contractors in the southeast that perform this work on a consistent basis. Staff also realizes that there are other portions of this contract, that provide an opportunity for Certified Small Local Business Enterprise (SLBE) firms to participate, as a sub-contractor.

Most of this contract involves CIPP lining of pipes. During calendar year 2021, 64% of the costs were directly associated with lining pipes. 36% of the costs were associated with other site construction activities such as line televising (CCTV), general construction, site work/restoration, pipe installation, fencing, concrete & asphalt replacement. Bids were opened on May 3, 2022. Bids amounts were evaluated using the unit pricing provided by the contractors and CCWA provided quantities to approximate annual usage. A summary of the costs is presented in the following table.

**CIPP Bid Tabulation**

<b>CONTRACTOR</b>	<b>Total Bid Amount</b>	<b>SLBE Utilization Percentage</b>
Southeast Pipe Survey, Inc Patterson, GA	\$2,681,394.75	3.0%
IPR Southeast, Inc. Stone Mountain, GA	\$3,132,601.92	4.0%
The Renee Group, Inc. Atlanta, GA	\$3,225,624.50	Not Provided
Vortex Services, LLC. Greenville, SC	\$3,810,662.79	Not Provided

Recommendation:

CCWA staff recommends the award to Southeast Pipe Survey as the Primary Contractor and award to IPR Southeast as the back-up Contractor. This award is contingent upon the Bidder meeting risk management requirements and executing the contracts as well as the

Board authorizing the General Manager to sign the contracts. Upon Board approval, this contract will be in effect for a period of one year starting July 1, 2022.

Staff is also recommending this contract be extendable for a 2nd and/or 3rd year at the same terms and conditions.

UPON MOTION by John Chafin, second by Rodney Givens, it was unanimously

RESOLVED to award to Southeast Pipe Survey as the Primary Contractor and IPR Southeast as the back-up Contractor to renew assets using the cured-in-place pipe (CIPP) lining method. Contract is contingent upon the Bidder meeting risk management requirements, executing the contracts, as well as the Board authorizing the General Manager to sign the contracts. This will be in effect for a period of one year starting July 1, 2022 and may be extended for a 2nd and/or 3rd year at the same terms and conditions.

**Flood Response Plan Task Order Recommendation:** Stormwater Program Director Kevin Osbey presented a bid recommendation for a Flood Response Plan.

As part of developing an effective floodplain management program, a coordinated effort between several County/City agencies are required. The Clayton County Water Authority's Stormwater Utility is responsible for various floodplain management activities within Clayton County and the Cities of Forest Park, Lake City, Morrow, and Riverdale. At the present time, the cities of Jonesboro and Lovejoy are not in the National Flood Insurance Program, but their communities have been mapped and floodplain boundaries have been defined.

Floodplain management activities consists of a variety of components. One component is responding to flooding events and establishing a plan of response between the local jurisdictions and CCWA. Creating this Flood Response Plan will allow the shared community to use a common guide to prepare and respond to flooding at critical locations throughout the County/Cities.

The following objectives will be used to execute the project:

- Assessment of flood risk exposures for critical infrastructure and areas.
- Coordination with member communities and stakeholders.
- Identify steps to reduce the risk of exposure to these certain areas.
- Identify key resources required to return these areas to serviceable operation.

The scope of services includes:

- Task 1 – Desktop Review
- Task 2 – Stakeholder Workshops
- Task 3 – Plan Development
- Task 4 – Implementation Assistance

Recommendation:

CCWA staff recommends to award Task Order HS-SW-22-01 to Hazen & Sawyer in the amount of \$103,973.00.

UPON MOTION by Rodney Givens, second by Dr. Cephus Jackson, it was unanimously

RESOLVED to award Task Order HS-SW-22-01 to Hazen & Sawyer in the amount of \$103,973.00 to create a Flood Response Plan that will allow the shared community to use a common guide to prepare and respond to flooding at critical locations throughout the County/Cities.

**Updates from the Board Members and General Manager**

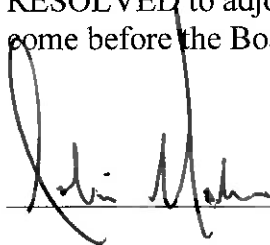
General Manager H. Bernard Franks presented an update on the Lobbyist Strategy Meeting. Information only, no action taken.

General Manager H. Bernard Franks provided an update on upcoming Ace Conference held June 12 – 15, 2022. Information only, no action taken.

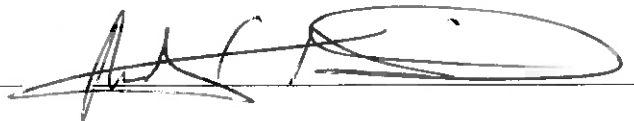
**Adjourn**

UPON MOTION by Dr. Cephus Jackson, second by Rodney Givens it was unanimously

RESOLVED to adjourn the Board Meeting at 3:09 p.m., there being no further business to come before the Board of Directors.



Robin Malone, Chairman



Rodney Givens, Secretary/Treasurer