

GWINNETT COUNTY WATER AND SEWERAGE AUTHORITY AGENDA**Monday, July 11, 2022 - 4:00 P.M.**Department of Water Resources, Training Room
684 Winder Highway, Lawrenceville, Ga. 30045

Present: B. Martin, B. Kerlin, C. Thompson

Absent: JC Lan, W. Allick

I. Call to Order

II. Approval of Agenda

{Action: Approved: Motion: Martin; Second: Thompson; Vote: 3-0}
(Kerlin-Yes; Lan-Absent; Martin-Yes; Thompson-Yes; Allick-Absent)

III. Approval of Minutes – June 13, 2022

{Action: Approved: Motion: Thompson; Second: Martin; Vote: 3-0}
(Kerlin-Yes; Lan-Absent; Martin-Yes; Thompson-Yes; Allick-Absent)

IV. Award of BL060-22, repair and replacement of water service lines on an annual contract (July 20, 2022 through July 19, 2023), to The Dickerson Group, Inc., base bid \$1,000,000.00.

{Action: Approved: Motion: Martin; Second: Thompson; Vote: 3-0}
(Kerlin-Yes; Lan-Absent; Martin-Yes; Thompson-Yes; Allick-Absent)

V. Approval to renew BL012-19, coatings restoration on an annual contract (August 7, 2022 through August 6, 2023), with A&D Painting, Inc.; Baker Building Services, Inc.; CROM, LLC dba CROM Coatings and Restoration; and Llamas Coatings, Inc., base bid \$1,750,000.00 (negotiated cost savings of approximately \$9,466.00).

{Action: Approved: Motion: Thompson; Second: Martin; Vote: 3-0}
(Kerlin-Yes; Lan-Absent; Martin-Yes; Thompson-Yes; Allick-Absent)

- VI. Award of BL049-22, provision of Alcovy River Pump Station improvements, to Reeves Young, LLC, amount not to exceed \$9,825,000.00. Contract to follow award. Subject to approval as to form by the Law Department.

{Action: Approved: Motion: Martin; Second: Thompson; Vote: 3-0}
(Kerlin-Yes; Lan-Absent; Martin-Yes; Thompson-Yes; Allick-Absent)

- VII. Approval/authorization to designate the Director of the Department of Water Resources as the authorized agent for all documents necessary to submit an easement application to the U.S. Army Corps of Engineers (USACOE) for the Wayne Mason Raw Water Intake. Subject to approval as to form by the Law Department.

{Action: Approved: Motion: Thompson; Second: Martin; Vote: 3-0}
(Kerlin-Yes; Lan-Absent; Martin-Yes; Thompson-Yes; Allick-Absent)

- VIII. Approval/authorization to execute all documents granting an underground easement to Georgia Power for electric service infrastructure to support EV charging stations at The Water Tower Global Innovation Hub located at 2500 Clean Water Court, Buford, Georgia, for the sum of \$10.00. Subject to approval as to form by the Law Department.

{Action: Approved: Motion: Martin; Second: Thompson; Vote: 3-0}
(Kerlin-Yes; Lan-Absent; Martin-Yes; Thompson-Yes; Allick-Absent)

- IX. Approval of Change Order No. 3 to RP001-20 The Water Tower Global Innovation Hub – Phase 1 with Reeves Young, LLC, extending the contract completion time by eighty-six (86) calendar days. Subject to approval as to form by the Law Department.

{Action: Approved: Motion: Thompson; Second: Martin; Vote: 3-0}
(Kerlin-Yes; Lan-Absent; Martin-Yes; Thompson-Yes; Allick-Absent)

X. Comments

XI. Adjourn

{Action: Unanimous Approval}

The July 11, 2022
Gwinnett County
Water and Sewerage
Authority meeting
will begin at
4:00pm



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Welcome
to the July 11, 2022
Gwinnett County
Water and Sewerage
Authority meeting


Please mute your
phone unless
speaking



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BL060-22
Award
Repair and Replacement of Water
Service Lines on an Annual Contract


6/13/2022



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Background
BL060-22 - Repair and Replacement of Water Service Lines


- Award of New Contract
- One-Year Contract
Four Options to Renew
- Service Lines and Small Diameter Water Mains (>2')



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Background
BL060-22 - Repair and Replacement of Water Service Lines


- Originally included Emergency Repairs
- Received no Bids
- Removed Emergency Work and received 4 bids



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Background
BL060-22 - Repair and Replacement of Water Service Lines

- Jobs Too Small for Annual Service Contract
- Full-Service Repairs
- Effective Augmentation of Staff




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Summary

BL060-22 - Repair and Replacement of Water Service Lines

- Four Responsive bidders
 - Metals & Materials Engineers, LLC
 - GS Construction, Inc
 - UWS, Inc
 - The Dickerson Group Inc.
- Low Bid - The Dickerson Group Inc.
- \$ 1,000,000 requested



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BL060-22 - Repair and Replacement of Water Service Lines on an Annual Contract

Questions ?



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BL012-19

COATINGS RESTORATION

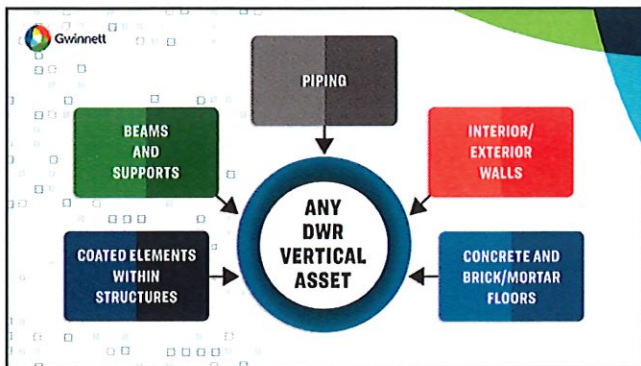


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WHAT THIS CONTRACT COVERS



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BACKGROUND



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PURPOSE OF COATINGS

- Protect the infrastructure from structural damage
- Get the full useful life of the structures
- Preserve aesthetics and appearance of buildings and structures

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COATING SYSTEMS ON STRUCTURES HAVE A LIMITED USEFUL LIFE

The intent of this work is to restore the protective coatings.

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COMPLETED PROJECTS

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PUMP STATION

LANIER FILTER PLANT

LEVEL CREEK PIPING AND BUILDING

NO BUSINESS CREEK PIPING

HIGH SERVICE PS

BACK WASH BUILDING

DEWATERING BUILDING

GRAVITY THICKENERS TRUSS

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BEFORE **AFTER**

SCFP High Services Pump Station Plant Water Pumps

BEFORE **AFTER**

SCFP Filter Building Backwash Pumps and Pipework

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BEFORE **AFTER**

F. Wayne Hill Digester Gas Storage Tanks

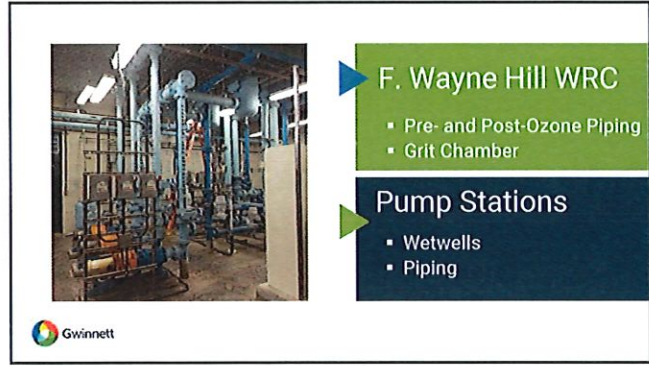
BEFORE **AFTER**

Emergency Storage Tank

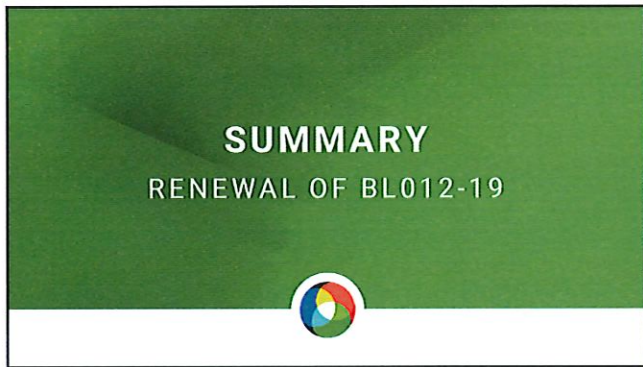
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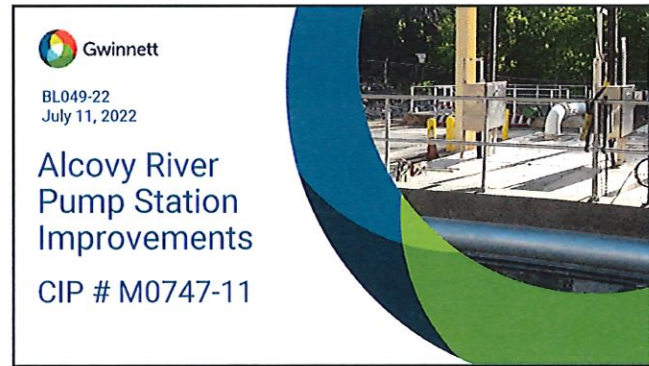
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Project Location






Aerial Map of Alcovy River and Alcovy Booster PS



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Pump Station History

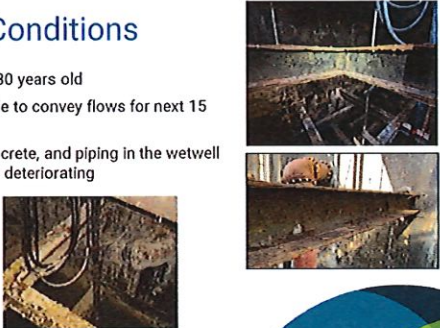

- 1992: Pump Station constructed and put in service
- 2006: New force main, surge control system, and odor control system installed
- 2007: Existing pumps, valves, and associated electrical components were replaced and upgraded.

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Existing Conditions

- Pump Station is 30 years old
- Pump Station able to convey flows for next 15 years.
- Steel beams, concrete, and piping in the wetwell are corroded and deteriorating

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Existing Conditions

- High voltage electrical service unable to be maintained by DWR personnel for safety reasons
- Electrical building/utility transformers are located within 100-year floodplain
- Electrical Building undersized for future equipment




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Project Description

- Replace three (3) existing pumps
- Replace deteriorated slide gates
- Replace corroded steel beams in the wetwell with stainless steel beams to maintain structural integrity
- Add protective coating to concrete and pipes to prevent further corrosion
- Add new surge protection system to protect pressurized pipes from breaking





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Project Description

- Install new masonry electrical building above 100-year floodplain
- Provide 480 volt utility transformers allowing DWR maintenance staff to service
- Install chemical feed for corrosion control
- Install odor control system





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Benefits of Project


- Bring the pump station up to DWR current standards
- Improve station's long-term reliability
- New electrical building and utility transformers will be outside of 100-year flood zone
- Extend useful life of the pump station for 15 years



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Project Schedule

Anticipated Construction Notice to Proceed	• September 2022 • 45 calendar days after BOC approval
Anticipated Substantial Completion	• February 2024 • 510 calendar days after NTP
Anticipated Final Completion	• March 2024 • 540 calendar days after NTP




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Bids Received

Contractor	Total Bid Price
Reeves Young, LLC	\$9,825,000
Lakeshore Engineering, LLC	\$11,249,642
IHC Construction Company, LLC	\$11,797,425
Wharton-Smith, Inc.	\$12,097,750

- Engineer's Estimate \$10,537,200
- Recommend to award to Reeves Young, LLC
- Bids range: -7% to +15%



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Questions?

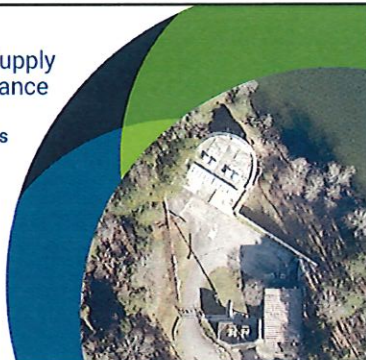




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Wayne Mason Water Supply Intake Facility Maintenance


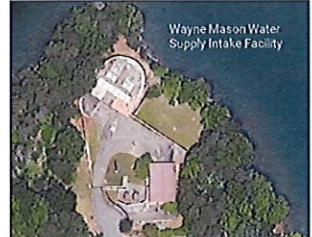

U.S. Army Corps of Engineers Easement Application

July 11, 2022

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Project Location

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USACE Easement Application

- Existing 1975 easement with 2009 Amendment for the Wayne Mason Water Supply Intake (WMWSI) expires in 2025
- Rehabilitation of the existing WMWSI requires an expanded easement and renewal of existing easement
- Gwinnett County and WSA are co-applicants
- Request to designate DWR Director as Authorized Agent for application submittal




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Project Description




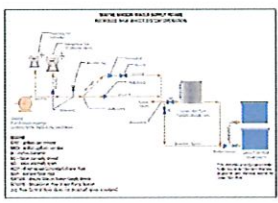

- Replacing existing 72-inch raw water pipes in Lake Lanier
- Improving and expanding paved road around east side of the building for crane and maintenance vehicle access
- Adding gravel road on west side for vehicular access to pump station lower level



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Project Description



- Adding flow monitoring for accurate data recording of water withdrawal
- Providing pressure management to reduce possibility of line failure
- Replacing valves at the end of their useful life

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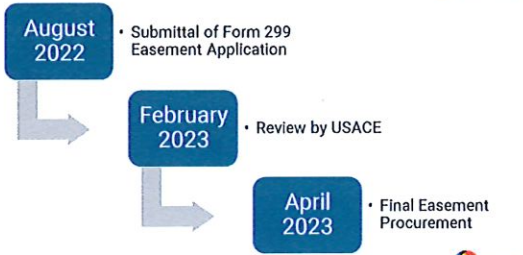
Benefits of Project

- Extending the useful life of the original 1975 intake and pumping station
- Improving operation and maintenance access through road expansion, equipment access hatches, and hoist
- Providing flow monitoring and pressure regulation for accurate raw water accounting and pipe protection
- Replacing miscellaneous equipment to improve overall operation and reduce maintenance





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Project Schedule



- August 2022 • Submittal of Form 299 Easement Application
- February 2023 • Review by USACE
- April 2023 • Final Easement Procurement



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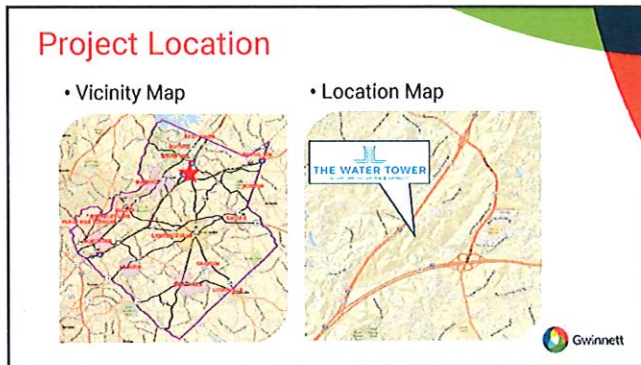
Questions?



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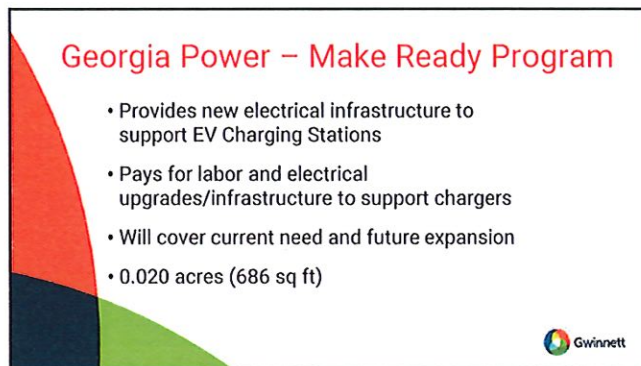
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The Water Tower Global Innovation Hub and Field Training Center

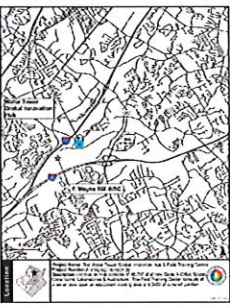
Change Order No. 3
Time Extension Only
RP001-20
July 11, 2022




 Gwinnett

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Project Location



- 2500 Clean Water Court
- Near F. Wayne Hill WRC and Environmental Heritage Center

 Gwinnett

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Water Tower Global Innovation Hub

Environmental and Heritage Center

F. Wayne Hill WRC

Field Training Center Site

 Gwinnett

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Campus Overview



March 2022

May 2022

 Gwinnett

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Project Update

Water Tower Global Innovation Hub:
Building and campus are complete and open for business



 Gwinnett

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Project Update



 Gwinnett

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Project Update




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Project Update

Field Training Center: Metal building delivery and construction is complete. Awaiting installation of the on-site treatment system and top coating of asphalt pavement




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Project Update




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Project Schedule

Original Construction Schedule	<ul style="list-style-type: none"> Contract Signed March 26, 2020 731 Day Construction Duration Original Completion Date: March 27, 2022 Change Order No. 2 Time Extension of 72 Days Current Completion Date: June 6, 2022
Anticipated Final Completion	<ul style="list-style-type: none"> Change Order No. 3 Time Extension Additional 86 Days Anticipated Completion Date: August 31, 2022



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Questions?




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