

**GWINNETT COUNTY WATER AND SEWERAGE AUTHORITY AGENDA****Monday, May 9, 2022 - 4:00 P.M.**Department of Water Resources, Training Room  
684 Winder Highway, Lawrenceville, Ga. 30045

Present:

B. Kerlin, C. Thompson, B. Martin, W. Allick, JC Lan  
(JC Lan joined meeting after vote taken on Item III)

- I. Call to Order
- II. Approval of Agenda  
  
{Action: Motion to amend and approve agenda by removing Items XI and XII  
Approved; Motion: Kerlin; Second: Thompson; Vote: 4-0}  
(Lan-Absent; Martin: Yes; Kerlin- Yes; Allick- Yes; Thompson- Yes)
- III. Approval of Minutes – April 11, 2022  
  
{Action: Approved; Motion: Thompson; Second: Allick; Vote: 4-0}  
(Lan-Absent; Martin: Yes; Kerlin- Yes; Allick- Yes; Thompson- Yes)
- IV. Approval to renew OS004-19, purchase of Allen Bradley Rockwell Automation products on an annual contract (June 22, 2022 through June 21, 2023), with McNaughton-McKay, base amount \$750,000.00.  
  
{Action: Approved; Motion: Thompson ; Second: Lan; Vote: 5-0}  
(Lan -Yes; Martin- Yes; Kerlin- Yes; Allick- Yes; Thompson- Yes)
- V. Award of RP012-22 , facility maintenance services on an annual contract (June 28, 2022 through June 27, 2023), to Alberici Constructors, Inc.; Crowder Construction Company; Lanier Contracting Co.; and Western Summit Constructors, Inc., base amount \$20,000,000.00 (negotiated cost savings of approximately \$40,000.00). Contract to follow award. Subject to approval as to form by the Law Department.  
  
{Action: Approved; Motion: Lan ; Second: Martin; Vote: 5-0}  
(Lan -Yes; Martin- Yes; Kerlin- Yes; Allick- Yes; Thompson- Yes)

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- VI. Approval to renew BL029-18, purchase of copper tubing on an annual contract (June 22, 2022 through June 21, 2023), with Delta Municipal Supply Co., Inc., base bid \$800,000.00.

{Action: Approved; Motion: Martin; Second: Allick; Vote: 5-0}  
(Lan -Yes; Martin- Yes; Kerlin- Yes; Allick- Yes; Thompson- Yes)

- VII. Approval to renew BL032-21, purchase of water meters on an annual contract (June 21, 2022 through June 20, 2023), with Badger Meter Inc.; Consolidated Pipe and Supply Inc.; and Neptune Technology Group, Inc., base bid \$2,250,000.00.

{Action: Approved; Motion: Lan; Second: Allick; Vote: 5-0}  
(Lan -Yes; Martin- Yes; Kerlin- Yes; Allick- Yes; Thompson- Yes)

- VIII. Approval to renew BL052-19, installation of new water meters on an annual contract (July 4, 2022 through July 3, 2023), with UWS, Inc., base bid \$2,000,000.00.

{{Action: Approved; Motion: Thompson; Second: Allick; Vote: 5-0}  
(Lan -Yes; Martin- Yes; Kerlin- Yes; Allick- Yes; Thompson- Yes)

- IX. Approval to renew BL052-18, construction and maintenance of water mains on an annual contract (July 16, 2022 through July 15, 2023), with JDS, Inc., formerly known as John D. Stephens, Inc., base amount \$3,000,000.00.

{Action: Approved; Motion: Martin; Second: Lan; Vote: 5-0}  
(Lan -Yes; Martin- Yes; Kerlin- Yes; Allick- Yes; Thompson- Yes)

- X. Approval to renew BL051-18, construction and rehabilitation of gravity and sewer force mains on an annual contract (July 16, 2022 through July 15, 2023), with JDS, Inc., formerly known as John D. Stephens, Inc., and Site Engineering, Inc., base bid \$12,000,000.00.

{Action: Approved; Motion: Lan; Second: Thompson; Vote: 5-0}  
(Lan -Yes; Martin- Yes; Kerlin- Yes; Allick- Yes; Thompson- Yes)

- XI. ~~Approval/authorization of a Resolution authorizing Gwinnett County to apply for, and if approved, accept a loan from the Georgia Environmental Finance Authority (GEFA) State Revolving Loan Funds and authorizing the Chairwoman to execute all necessary documents to apply for and accept the GEFA Loan. Subject to approval as to form by the Law Department.~~


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Old Business:

- XII. ~~Approval of the Water Distribution and Wastewater Collection Infrastructure Standards in accordance with Sections 106-22(d) and 106-98(d) of the Gwinnett County Code of Ordinances. Subject to approval as to form by the Law Department.~~
- XIII. Comments
- XIV. Adjourn

{Action: Unanimous approval}

The May 9, 2022  
Gwinnett County  
Water and Sewerage  
Authority meeting  
will begin at  
4:00pm



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Welcome  
to the May 9, 2022  
Gwinnett County  
Water and Sewerage  
Authority meeting

Please mute your  
phone unless  
speaking



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**OS004-19**  
**PURCHASE OF  
ALLEN-BRADLEY/  
ROCKWELL  
AUTOMATION  
PRODUCTS**




3

**WHAT THIS  
CONTRACT COVERS**




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<b>SOFTWARE</b>	<b>HARDWARE</b>
<ul style="list-style-type: none"><li>Programming software<ul style="list-style-type: none"><li>– RS Logix 500</li><li>– Studio 5000</li></ul></li><li>Communication software<ul style="list-style-type: none"><li>– Relinx</li></ul></li><li>Asset Manager for managing PLC software and licenses</li></ul>	<ul style="list-style-type: none"><li>Programmable Logic Controllers (PLCs) and Panels</li><li>PS PLC Conversion Kits for the SCADA migration</li><li>Operator Interface Terminals (OIT)</li><li>Panels</li><li>VFD, Network Switch, UPS and Spare Parts</li></ul>



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**BACKGROUND**



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**Programmable Logic Controllers (PLCs)** are used across all Water Production, Distribution, Wastewater Collection Pump Stations, and Water Reclamation facilities. PLCs are used to **monitor** and **control** processes and equipment.


DWR is in the process of replacing all obsolete PLCs, panels and equipment with new Allen-Bradley/Rockwell software and hardware.



The image shows a close-up of an Allen-Bradley PLC control panel. The screen displays a graphical user interface with various indicators and data points, including 'MAIN', 'PUMP 1', 'PUMP 2', and 'INFLUENT FLOW'. The Gwinnett logo is visible in the bottom right corner of the panel.

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# COMPLETED PROJECTS



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## COMPLETED PLC AND PANEL UPGRADES


Replacement of obsolete PLCs at the following pump stations ▶

- ▶ ALCOVY RIVER PS
- ▶ ALCOVY BOOSTER PS
- ▶ BROOKS RD BOOSTER PS
- ▶ IVY CREEK PS
- ▶ LOWER BIG HANES PS
- ▶ PATTERSON PS
- ▶ LFP RAW WATER PS
- ▶ SMALL PUMP STATIONS



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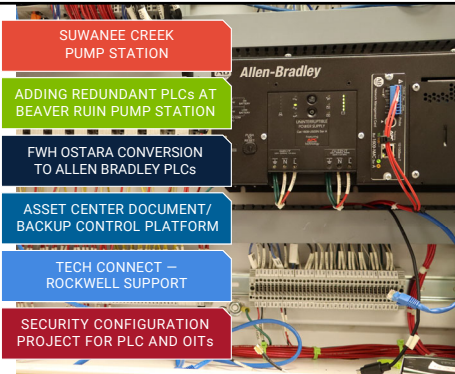
# UPCOMING UPGRADES



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## UPCOMING PROJECTS & UPGRADES


- SUWANEE CREEK PUMP STATION
- ADDING REDUNDANT PLCs AT BEAVER RUIN PUMP STATION
- FWH OSTARA CONVERSION TO ALLEN BRADLEY PLCs
- ASSET CENTER DOCUMENT/ BACKUP CONTROL PLATFORM
- TECH CONNECT – ROCKWELL SUPPORT
- SECURITY CONFIGURATION PROJECT FOR PLC AND OITs



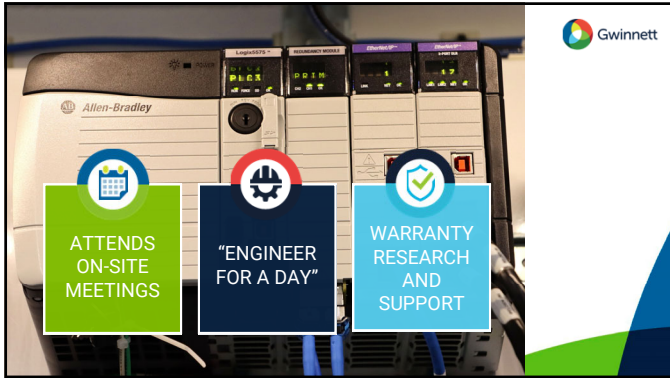
The image shows the internal hardware of an Allen-Bradley PLC, including the main processor unit and a terminal block with various colored wires connected. The Gwinnett logo is in the bottom left corner.

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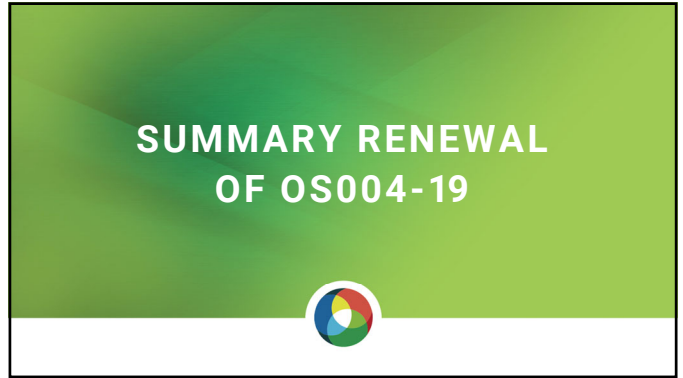
# VENDOR PERFORMANCE



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<b>VENDOR</b>	<b>McNaughton-McKay</b> is the authorized dealer
<b>CONTRACT</b>	<ul style="list-style-type: none"> <li>▪ Purchase of <b>Products and Services</b> for Allen-Bradley/ Rockwell Automation Products</li> <li>▪ <b>3rd of Four Renewal Options</b></li> </ul>
<b>REQUESTING</b>	Base Amount of <b>\$750,000</b>

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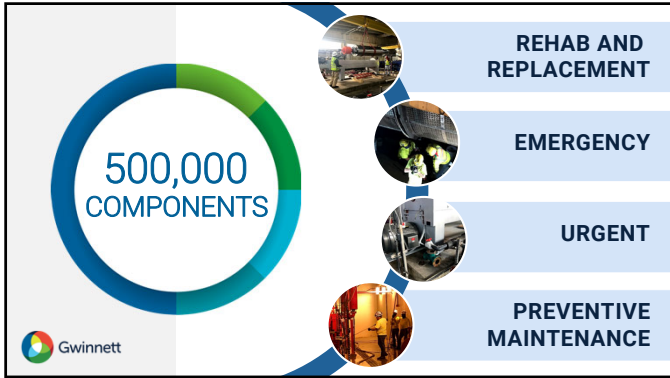
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**Replaces** RP011-17 On-Call Water and Wastewater Facility Equipment Repair and Maintenance.

Recommend award to the **four (4) vendors** who submitted bids:

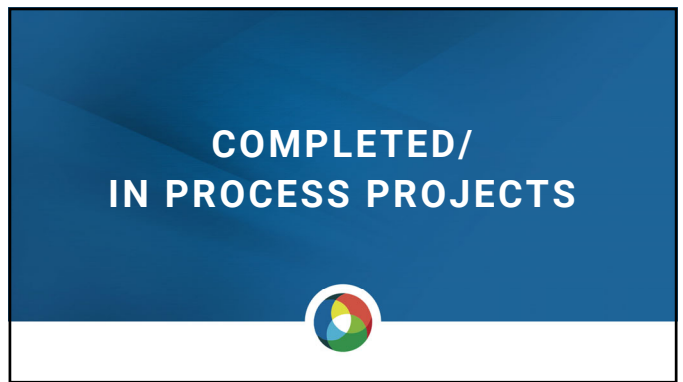
- The previous vendors who performed well in the past.
- One additional vendor. This vendor was the prime contractor for Crooked Creek CP4.

**NEW**

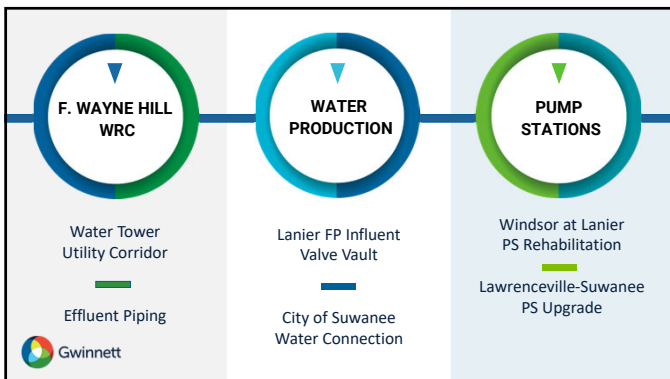
- Crowder Construction Company
- Lanier Contracting Company
- Western Summit Constructors
- Alberici Constructors, Inc.

Gwinnett

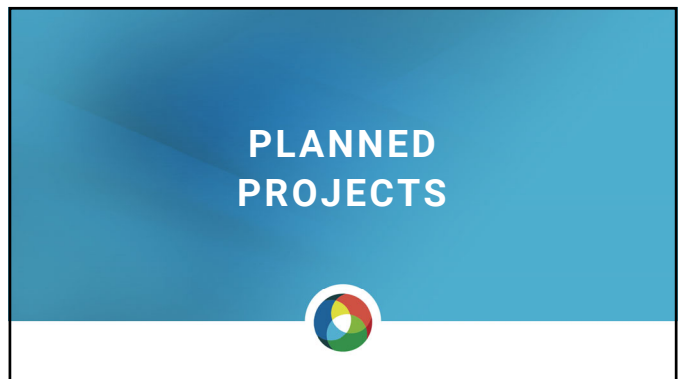
21



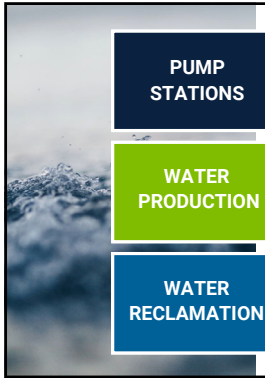
22



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**PUMP STATIONS**


- Chandler Oaks PS Rehabilitation
- Ozora Lakes PS Rehabilitation

**WATER PRODUCTION**

- Lanier FP Filter Trough Repairs
- Lanier FP Ozone Gates Replacement

**WATER RECLAMATION**

- Yellow River WRF BRB Probe Replacement
- FWH Secondary Clarifier Effluent Splitter Box Gate Repairs
- FWH GAC Valve Replacements



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**VENDOR PERFORMANCE**



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**CROWDER CONSTRUCTION**

- Top Quality Work
- Skills to Work in all Facility Types
- Can Handle Large Number of Projects

**LANIER CONTRACTING**

- Responsive to Urgent Requests
- Pump Station Specialty
- Top Quality Work


**WESTERN SUMMIT CONSTRUCTORS**

- Able to Handle Larger Projects
- Top Quality Work
- Very Familiar with F Wayne Hill WRC



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**WHO USES THIS CONTRACT**



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**WATER RECLAMATION**

- F. Wayne Hill
- Yellow River
- Crooked Creek

**WATER PRODUCTION**

- Lanier
- Shoal Creek
- Boosters/Tanks

**PUMP STATIONS**

209 Sewer Lift Stations



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**SUMMARY AWARD OF RP012-22**



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<b>Vendors</b>	<ul style="list-style-type: none"> <li>Western Summit Constructors, Inc.</li> <li>Crowder Construction Company</li> <li>Lanier Contracting Company</li> <li>Alberici Constructors, Inc.</li> </ul>	
<b>Contract</b>	<ul style="list-style-type: none"> <li>Work is procured on an "as needed" basis</li> <li>No minimum/maximum is guaranteed to any contractor</li> <li>Award with four renewal options</li> </ul>	
<b>Base Amount</b>	<ul style="list-style-type: none"> <li>Requesting a base amount of \$20,000,000</li> </ul>	

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## QUESTIONS



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### BL029-18 Renewal

Purchase of Copper Tubing  
on an Annual Contract








5/9/2022

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### Background

BL029-18 Purchase of Copper Tubing




-  Contract Renewal (Fourth of Four options)
-  Covers the purchase for 3/4 & 1-inch soft copper tubing for new meter installations and service line repairs
-  Line-Item style contract




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### Background

BL029-18 Purchase of Copper Tubing




-  Volatile market requires quotes at time of purchase
-  DWR pays 3% over the current market value
-  Approximately 215,000 LF since June 2021




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### Summary

BL029-18 Purchase of Copper Tubing


-  Delta Municipal Supply Co, Inc.
-  2022 we were approved for \$350,000
-  2023 Contract Request is \$800,000



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BL029-18  
Purchase of Water Meters on an Annual Contract

Questions ?



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BL032-21  
Renewal  
Purchase of Water Meters on an Annual Contract



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**Background**  
BL032-21 Purchase of Water Meters


- Contract Renewal (First of Four options)
- Covers the purchase of meters up to 8-inch
- Line-Item style contract
- Approximately 20,000 New Meters / Year



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**Background**  
BL032-21 Purchase of Water Meters


- This contract supplies Ultrasonic and Positive Displacement meters
- Digital Encoders are included
- Positioned to remain with Manual Meter Reading or Automatic Meter Infrastructure (AMI)



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**Summary**  
BL032-21 Purchase of Meters


- Badger Meter, Inc.  
Neptune Technology, Inc.  
Consolidated Pipe and Supply, Inc.
- 2021 we were approved for \$2,100,000
- 2022 Contract Request is \$2,250,000



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BL032-21  
Purchase of Water Meters on an Annual Contract

Questions ?



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**BL052-19  
Renewal**  
Installation of New Water  
Meters on Annual Contract





Gwinnett  
May 9, 2022

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**Background**  
BL052-19 Installation of New Water Meters



- Contract Renewal (Third of Four Options)
- Covers 2" and smaller new water meter installations
- Line-item style contract



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**Background**  
BL052-19 Installation of New Water Meters



- Contract period is July 4, 2022 - July 3, 2023
- Average 3,700 new meters per year over last 5-years
- Installations approaching 4,600 during the past year



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**Summary**  
BL052-19 Installation of New Water Meters

- UWS, Inc
- Previous contract amount \$ 1,750,000
- 2022 Contract Request is \$ 2,000,000



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BL052-19  
Installation of  
New Water  
Meters

Questions ?



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**BL052-18  
Renewal**  
Construction and  
Maintenance of Water Mains  
on an Annual Contract



Gwinnett  
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**Background**  
 BL052-18 Construction and Maintenance of Water Mains on an Annual Contract

Contract Renewal (Fourth of Four annual options)

Projects will be throughout Gwinnett County

Projects that have time to plan but will not accommodate job specific bid procurement schedules



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**Background**  
 BL052-18 Construction and Maintenance of Water Mains on an Annual Contract

Supports the implementation of time sensitive projects

- Economic Development
- Water Distribution Rehab
- DOT Utility Relocation

May perform all or part of the construction

- Provide support for projects or repairs
- Specialized equipment
- Difficult construction




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**Summary**  
 BL052-18 Construction and Maintenance of Water Mains on an Annual Contract

JDS, Inc.

Request \$3,000,000 for 2022-2023

- Same renewal value as last year
- 5% increase in unit rates



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BL052-18  
 Construction and Maintenance of  
 Water Mains on an Annual  
 Contract


Questions?



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BL051-18  
 Renewal

Construction and Rehab of  
 Gravity and Sewer Forcemains  
 on an Annual Contract



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**Background**  
 BL051-18 Construction and Rehab of Gravity and Sewer Forcemains on Annual Contract

Contract Renewal (Fourth of Four options)

Projects will be throughout Gwinnett County

Projects that have time to plan but will not accommodate job specific bid procurement schedules



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**Background**  
BL051-18 Construction and Rehab of Gravity and Sewer Forcemains on Annual Contract

Supports the implementation of time sensitive projects

- Economic Development
- Sewer System Rehab
- DOT Utility Relocation

May perform all or part of the construction

- Provide support for projects or repairs
- Specialized equipment
- Difficult construction



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**Summary**  
BL051-18 Construction and Rehab of Gravity and Sewer Forcemains on Annual Contract

Two firms are represented on this contract

- JDS, Inc. & Site Engineering, Inc.
- Work assigned based on ability, availability, and cost

Request \$ 12,000,000 for 2022 - 2023

- Same renewal value as last year
- 6% increase in unit rates



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BL051-18  
Construction and Rehab  
of Gravity and Sewer  
Forcemains on an  
Annual Contract

Questions?



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