Paris Utility District
P.O. Box 154
7 CN Brown Way
South Paris, Maine 04281

REQUEST FOR PROPOSAL

SCADA & Communication System Upgrade

1. Project Overview and Objectives

The Paris Utility District is soliciting proposals from qualified firms for a turnkey solution covering design, implementation, migration, testing and ongoing support for SCADA and communications upgrade for its combined water and wastewater operations.

The objective is to replace aging infrastructure, update software monitoring and control capabilities, enhance reliability, improve cybersecurity, ensure seamless data communication and support regulatory compliance, with minimal downtime.

The funding for this project is from NBRC and USDA will be funding a portion of the water division upgrade.

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2. Existing Environment & Current Limitations

The district operates:

Water System:

- 2 wells
- Treatment facility
- 2 booster stations
- 3 storage tanks
- Distribution system with 2 pressure zones

Wastewater System:

- 7 lift stations
- Activated sludge treatment facility
- Collection system

Existing Conditions:

- Current SCADA: 3 Allen-Bradley SLC 5/05 CPUs, Factory Talk Software, WIN 911 Alarming
- Teledesign Radio Communication

Challenges:

The current system faces end of life hardware, frequent communication failures, and lack of modern data analysis functionality.

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3. SCOPE OF WORK

The selected firm will provide comprehensive design, implementation, testing/start up support, and preference will be given to firms that provide ongoing support and maintenance agreements:

3.1 Phase 1: Assessment & Planning

- Conduct an onsite audit of all existing SCADA software, PLC hardware, and communication assets.
- Perform a communication study to determine the optimal network topology.
- Deliver an analysis report detailing recommended software platforms, hardware options, and communication mediums with associated life cycle.

3.2 Phase 2: Design

- SCADA architecture: Design a scalable system with alarming and redundancy.
- Communication: Upgrade communication network for reliability.
- Cybersecurity: Incorporate industry standard cybersecurity with remote access.
- Hardware specifications: Create specifications for replacing/upgrading existing control panels and necessary hardware, maintaining Allen Bradley compatible components.

3.3 Phase 3: Implementation & Testing

- Supply and install new equipment.
- Configure software, alarm management and data history.
- Execute testing.
- Diagrams, schematics and adequate training and documentation provided.

3.4 Phase 4: Ongoing Support & Maintenance

- Specify warranty terms for hardware and software licenses.
- Options for service level agreements for 24/7 emergency response.
- Include software update and security patch management schedules.

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4. PROPOSAL REQUIREMENTS

Company Qualifications

- Experience with municipal water/wastewater SCADA design, implementation, deployment and maintenance/service plans.
- Project team, key personnel resumes.
- Similar project references (minimum 3).
- A narrative explaining the plans to execute the scope of work and handle data migration with minimal interruptions to daily operations.
- Project timeline.
- Cost proposal breakdown by project phase.

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5. EVALUATION CRITERIA

Proposals will be evaluated based on:

- System Design and Technical Capabilities - 35%
  - Architecture and Scalability: Quality of the proposed system architecture including, but not limited to: redundancy, failover capabilities, and network topology. Ability to handle future expansion.
  - Preference will be given to Allen Bradley compatible hardware to coincide with current infrastructure.
  - Cybersecurity Framework: Alignment with industry security standards with secure remote access.
- Implementation, Deployment, Commissioning, and Maintenance/Service Agreements – 35%
  - System migration strategy
  - Testing and validation
  - Training and documentation
  - Longterm maintenance/service agreements, preference will be given to those offering 24/7 coverage.
- Project Management and Qualifications - 20%
  - Relevant Project History
  - Team Qualifications
  - Project Timeline
- Cost and Contractual Terms – 10%
  - Cost
  - Contractual terms including but not limited to warranties and software/hardware licensing and maintenance agreements.

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6. BUILD AMERICA, BUY AMERICA ACT (BABAA) REQUIREMENTS

- All manufactured products used in the project are produced in the United States. This means the manufactured product was manufactured in the USA, and the cost of the components of the manufactured product that are mined, produced, or manufactured in the USA is greater than 55% of the total cost of all components of the manufactured product.
- All construction materials are manufactured in the United States.
- Successful bidder will be required to sign a self-certification agreement to follow BABAA requirements (sample agreement attached) and a final certification agreement at the completion of the project (sample also attached).
- Waivers can be sought after if necessary.

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7. SUBMISSION DETAILS

- Proposal due date: 10:00 AM, October 30, 2026.
- Submission method: Mail, Physical (Addresses above), Email tdunn@parisutilitydistrict.org
- Contact person is Tanya Dunn.

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Sample BABAA Self-Certification Letter

The undersigned certifies, to the best of their knowledge and belief, that:

The Build America, Buy America Act (BABAA) requires that no federal financial assistance for "infrastructure" projects is provided "unless all of the iron, steel, manufactured products, and construction materials used in the project are produced in the United States." Section 70914 of Public Law No. 117-58, §§ 70901-52.

The undersigned certifies that for the _____ (Project Name and Location) ____ the iron, steel, manufactured products, and construction materials used in this contract are in full compliance with the BABAA requirements including:

1. All iron and steel used in the project are produced in the United States. This means all manufacturing processes, from the initial melting stage through the application of coatings, occurred in the United States.

2. All manufactured products purchased with NBRC financial assistance must be produced in the United States. For a manufactured product to be considered produced in the United States, the cost of the components of the manufactured product that are mined, produced, or manufactured in the United States is greater than 55% of the total cost of all components of the manufactured product, unless another standard for determining the minimum amount of domestic content of the manufactured product has been established under applicable law or regulation.

3. All construction materials are manufactured in the United States. This means that all manufacturing processes for the construction material occurred in the United States.

"The, ____ [Contractor or Subcontractor] __, certifies or affirms the truthfulness and accuracy of each statement of its certification and disclosure, if any. In addition, the [Contractor or Subcontractor] understands and agrees that the provisions of 31 U.S.C. Chap. 38, Administrative Remedies for False Claims and Statements, apply to this certification and disclosure, if any."

_____

Signature of [Contractor's or Subcontractor's] Authorized Official Date

_____

Name and Title of [Contractor's or Subcontractor's] Authorized Official Date

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Sample BABAA Final Certification Letter

Company letterhead
Date
Company Name
Company Address
City, State Zip

Subject: Build America, Buy America Act Certification for Project (XXXXXXXXXX)

I, (company representative), certify that the following products and/or materials shipped/provided to the subject project are in full compliance with the Build America, Buy America Act (BABAA) requirement as mandated in the Infrastructure Investment and Jobs Act (IIJA) Pub. L. No. 117-58, §§ 70901-52.

Item, Products and/or Materials:

1. XXXX
2. XXXX
3. XXXX

Such process took place at the following location:

If any of the above compliance statements change while providing material to this project, we will immediately notify the prime contractor and the engineer.

Signed by company representative