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Notice to Bidders
Request for Proposals
Microgrid SCADA Monitoring, Cybersecurity, and Switchgear Automation

Sealed bids will be received and publicly opened by the City of Lanesboro, Fillmore County, Minnesota, at the Office of the City Clerk, 202 Parkway Avenue South, Lanesboro, Minnesota, 507-467-3722, on Monday, April 13, 2026, at 1:00 p.m. for the furnishing of work and materials for the Microgrid SCADA Monitoring, Cybersecurity, and Switchgear Automation.

Plans and specifications are available in the Scope of Work section of this Request for Proposals.

Bids must be made on the basis of cash payment. For projects that include construction work of \$25,000 or more, prevailing wage rules apply per Minn. Stat. §§ 177.41 through 177.44. These rules require that the wages of laborers and works should be comparable to wages paid for similar work in the community as a whole.

Bid Submission:

- Provide detailed pricing for each component (SCADA monitoring, firewall upgrade, cybersecurity assessment, switchgear automation).
- Include estimated timeline and warranty terms.
- Submit two references for similar projects.
- **Proposals must be received no later than 3:00 p.m. on Friday, April 10, 2026.**

The successful bidder must be a “responsible contractor.” The term “responsible contractor” means a contractor as defined in Minnesota Statutes, section 16C.285, subdivision 3. Any prime contractor, subcontractor, or motor carrier that does not meet the minimum criteria or fails to comply with the verification requirements is not a responsible contractor and is not eligible to be awarded a construction contract for the project or to perform work on the project. A prime contractor, subcontractor, or motor carrier that makes a false statement under oath verifying compliance with the minimum criteria will be ineligible to be awarded a construction contract on the project, and the submission of a false statement may result in termination of a contract awarded to a prime contractor, subcontractor, or motor carrier that submits the false statement. A prime contractor shall include in its verification of compliance a list of all of its first-tier subcontractors that it intends to retain for work on the project. Before execution of a construction contract, a prime contractor shall submit a supplemental verification under oath confirming that all subcontractors and motor carriers that the prime contractor intends to use to perform project work have verified to the prime contractor, through a signed statement under oath by an owner or officer, that they meet the minimum criteria for a responsible contractor.

Scope of Work

Project Overview: The City seeks qualified contractors to provide services and equipment for enhancing microgrid monitoring, cybersecurity, and generator automation capabilities. The project includes upgrades to existing systems, installation of new components, and professional services for configuration, testing, and training.

General Requirements:

- All work must comply with applicable codes and standards.
- Contractor to provide all materials, labor, tools, and supervision.
- Include testing, commissioning, and documentation.

- Exclusions: Taxes, permits, excavation, concrete work, utility fees, broadband service, and any items not explicitly listed.

Work Components:

1. Microgrid SCADA Monitoring
 - a. Provide and install a Remote Telemetry Unit (RTU) at the solar power station, including:
 - i. Circuit breakers, surge/lightning protection, UPS, PLC with required I/O modules, Ethernet switch, relays, and terminal blocks.
 - b. Modify existing RTU panels at:
 - i. Hydro Dam
 - ii. Power Regeneration Facility
 - iii. Add digital/analog input cards, CTs (if required), relays, fusing, wireway, and terminal blocks.
 - c. Configure Master PLC and SCADA systems for monitoring across all microgrid locations.
 - d. Update O&M manuals and CAD drawings.
 - e. Provide startup and training services for city personnel.
2. Firewall Upgrade
 - a. Replace existing firewall with a next-generation appliance featuring:
 - i. Minimum 7 Gigabit Ethernet ports, VPN capability, intrusion prevention, anti-virus, anti-spyware, content filtering, and application control.
 - ii. Include 3-year subscription for security services and firmware updates.
 - b. Configure WAN/LAN, VPN clients, and site-to-site connections.
 - c. Perform vendor testing and provide documentation.
3. SCADA System Cybersecurity Assessment
 - a. Conduct a risk maturity assessment aligned with NIST Cybersecurity Framework.
 - b. Deliverables include:
 - i. System Security Plan (SSP)
 - ii. Security Maturity Report
 - iii. Risk analysis and prioritized recommendations
 - iv. Layered security diagram
 - c. Facilitate review meetings and provide final report.
4. Switchgear Automation
 - a. Supply and install:
 - i. Additional PLC control modules
 - ii. Generator protection modules (reverse power, overcurrent, under/over voltage)
 - iii. Auto synchronizer
 - iv. Breaker control relays
 - v. Interconnection wiring between switchgear and PLC cabinet
 - b. Enable remote generator start and synchronization to live bus.
 - c. Provide training for facility personnel.
 - d. Warranty: Minimum 1 year or 2,000 operating hours.

The City Council reserves the right to reject any and all bids and to waive any bids received without explanation.

By order of the Public Utility Commission of the City of Lanesboro, Minnesota.



City/Administrator/Clerk