



**PROGRAMMABLE LOGIC CONTROL (PLC) AND
SUPERVISORY CONTROL AND DATA
ACQUISITION (SCADA) UPGRADE**

**BID NOTICE
SPECIFICATIONS
OFFICIAL BID FORM**

2021

PROGRAMMABLE LOGIC CONTROL (PLC) AND SUPERVISORY CONTROL AND DATA ACQUISITION (SCADA) UPGRADE

NOTICE IS HEREBY GIVEN that sealed bids for the City of Saint Peter's PLC and SCADA Upgrade Project will be received by the office of the City Administrator, City of Saint Peter, 227 South Front Street, Saint Peter, Minnesota 56082-2538 or by email at barbaral@saintpetermn.gov until 10:30 a.m. on Thursday, November 18, 2021. Bids will be opened and publicly read using virtual software beginning at 10:35 a.m.

Specifications, including the official bid forms, are available on the City's website at <https://www.saintpetermn.gov/367/Public-Notices>. All bids must be submitted on the official bid sheet delivered either by email, U.S. Mail or in person to the City Administrator's Office. Bids submitted other than by email must be in a sealed opaque envelope addressed to the City Administrator with the words "PLC and SCADA BID" written on the envelope.

Access to the virtual bid opening is available using the following link:

**PLC and SCADA UPDATE PROJECT BID OPENING
Thursday, November 18, 2021 10:35 AM – 11:35 AM (CDT)**

Please join from your computer, tablet or smartphone at:

<https://global.gotomeeting.com/join/159801669>

Or from your phone at (Toll Free): 1 866 899 4679 - One-touch: <tel:+18668994679>, [159801669#](tel:+18668994679)
Access Code: 159-801-669

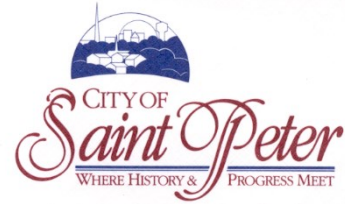
All equipment must be in compliance with OSHA standards.

A CERTIFIED CHECK, CASHIER'S CHECK, or BID BOND made payable to the City of Saint Peter, Minnesota, in an amount not less than five percent (5%) of the bid must be enclosed with the bid. Failure to include the 5% bid security will result in the bid being disqualified from further consideration and not being read. The City reserves the right to retain said certified check or bid bond until a contract has been awarded and signed, but no longer than thirty (30) days. A PERFORMANCE BOND, PAYMENT BOND, CERTIFICATE OF INSURANCE, and proof of WORKER'S COMPENSATION INSURANCE will be required from the successful bidder prior to execution of the contract documents.

No one shall withdraw a bid for a period of thirty (30) days after the date set for the opening thereof. The City reserves the right to reject any and all bids, to waive defects in the bids, and to award the contract to other than the lowest bidder if, in their discretion, the interest of the City would be best served thereby. Faxed bids or supporting documentation will not be accepted.
AA/EOE

Todd Prafke
City Administrator

October, 2021



To Interested Vendors:

The City of Saint Peter is requesting bids for a project to provide for Programmable Logic Control (PLC) and Supervisory Control and Data Acquisition (SCADA) Upgrades for the City's Wastewater Treatment Facility and Lift Station systems.

The successful bidder will provide the following materials/equipment/services:

- Professional services to upgrade BAF Control Panel
- Professional services to upgrade MFLO Control Panel
- Professional services to upgrade SLDG Control Panel
- Professional services to upgrade Main Lift Station Control Panel
- Professional services to configure and install PLC listed above
- Professional services to include training, updated drawings, control descriptions and O & M manuals

All bids must be accompanied by a CERTIFIED CHECK, CASHIER'S CHECK or BID BOND made payable to the City of Saint Peter, Minnesota, in the amount of five percent (5%) of the total proposed price. No bid may be withdrawn prior to thirty (30) days after the scheduled closing date without written consent of the City.

Prior to execution of a contract, the successful bidder shall submit to the City Administrator's Office PERFORMANCE and PAYMENT BONDS in the amount of the proposal executed by a surety company authorized to do business in the State of Minnesota conditioned upon the performance of the contract and saving the City harmless from all losses or damages caused to any person or property by reason of any carelessness or negligence by the contract and from all expense of inspection, engineering, and otherwise, caused by the delay in the completion of any improvement. The performance bond shall be conditioned to pay all laborers, mechanics, subcontractors, and material suppliers as well as all just debts and demands incurred in the performance of such work.

Upon execution of a contract, the successful bidder shall also provide a certificate of insurance naming the City of Saint Peter as an additional insured in the minimum amount of \$1,500,000 per occurrence as protection for the City from all claims resulting from the contractor's performance.

A mandatory pre-bid walk-through for bidders will be 8:00 A.M. Monday November 15, 2021 at the Wastewater Treatment Facility. No bids will be accepted by bidders who do not attend the pre-bid walk-through.

PROJECT SPECIFICATIONS

City of Saint Peter Wastewater Utility PLC and SCADA Upgrade

WWTP BAF Control Panel Upgrade

A - One (1) Professional services to configure, install, and setup the city WWTP BAF Control Panel Upgrade to include:

- **Compact Logix 5370 L3 Programmable Logic Controller (PLC).**
- **Expansion power supplies.**
- **1769 Input and Output Cards.**
- **15" Operator Interface Terminal (OIT).**
- **Managed Fiber/Ethernet switch with Turbo Ring, fiber interconnect with inserts and Uninterruptible Power Supply (UPS).**
- **Professional services included:**
 - Removal of existing SLC Chassis including processor, power supply, and 1746 input and output cards.
Installation of CompactLogix processor, power supplies, and 1769 input and output cards.
 - Install and setup OIT.
 - Rewire to new CompactLogix platform.
 - SCADA System testing and checkout.
 - Update drawings, control description, and O&M manuals.

WWTP MFLO Control Panel Upgrade

B - One (1) Professional services to configure, install, and setup the city WWTP MFLO Control Panel Upgrade to include:

- **Compact Logix 5370 L3 Programmable Logic Controller (PLC).**
- **Expansion power supplies.**
- **1769 Input and Output Cards.**
- **15" Operator Interface Terminal (OIT).**
- **Managed Fiber/Ethernet switch with Turbo Ring, fiber interconnect with inserts and Uninterruptible Power Supply (UPS).**
- **Professional services included:**
 - Removal of existing SLC Chassis including processor, power supply, and 1746 input and output cards.
Installation of CompactLogix processor, power supplies, and 1769 input and output cards.
 - Install and setup OIT.
 - Rewire to new CompactLogix platform.

- SCADA System testing and checkout.
Update drawings, control description, and O&M manuals

WWTP SLDG Control Panel Upgrade

C - One (1) Professional services to configure, install, and setup the city WWTP SLDG Control Panel Upgrade to include:

- **Compact Logix 5370 L3 Programmable Logic Controller (PLC).**
- **Expansion power supplies.**
- **1769 Input and Output Cards.**
- **15" Operator Interface Terminal (OIT).**
- **Managed Fiber/Ethernet switch with Turbo Ring, fiber interconnect with inserts and Uninterruptible Power Supply (UPS).**

- **Professional services included:**
 - Removal of existing SLC Chassis including processor, power supply, and 1746 input and output cards.
Installation of CompactLogix processor, power supplies, and 1769 input and output cards.
 - Install and setup OIT.
 - Rewire to new CompactLogix platform.
 - SCADA System testing and checkout.
 - Update drawings, control description, and O&M manuals

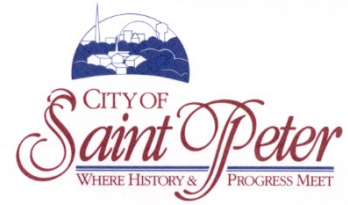
WWTP Main Lift Station Control Panel Upgrade

C - One (1) Professional services to configure, install, and setup the city WWTP North Lift Station Control Panel Upgrade to include:

- **Compact Logix 5370 L3 Programmable Logic Controller (PLC).**
- **Expansion power supplies.**
- **1769 Input and Output Cards.**
- **15" Operator Interface Terminal (OIT).**
- **Managed Fiber/Ethernet switch with Turbo Ring, fiber interconnect with inserts and Uninterruptible Power Supply (UPS).**

- **Professional services included:**
 - Removal of existing SLC Chassis including processor, power supply, and 1746 input and output cards.
Installation of CompactLogix processor, power supplies, and 1769 input and output cards.
 - Install and setup OIT.
 - Rewire to new CompactLogix platform.
 - SCADA System testing and checkout.
 - Update drawings, control description, and O&M manuals

OFFICIAL BID SHEET



Price for Items A through C. FOB factory with freight allowed to jobsite, travel costs and a one (1) year warranty:

\$ _____

Company Name: _____

Address: _____

Telephone Number: _____

E-mail: _____

Signed: _____

Title: _____

Printed Name: _____

Sealed or emailed bids for the City of Saint Peter's PLC and SCADA Upgrade must be received by the office of the City Administrator, City of Saint Peter, 227 South Front Street, Saint Peter, Minnesota 56082-2538 or by email at barbaral@saintpetermn.gov by 10:30 a.m. on Thursday, November 18, 2021. Bids will be opened and publicly read using virtual software beginning at 10:35 a.m. Access to the bid opening is available as follows:

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Access Code: 159-801-669

The City reserves the right to reject any and all bids, to waive defects in the bidding, and to accept the bid that is in the best interest of the City. Faxed and/or late bids, or bids without the required bid bond, will not be accepted or read. AA/EOE

For questions regarding this request for bids, please contact Water Resources Superintendent Jeff Knutson at City of Saint Peter Public Works Department, 405 West St. Julien Street, Saint Peter, MN 56082, (507)934-0670, or jeffk@saintpetermn.gov.

Thank you.