

NIAGARA FALLS WATER BOARD RESOLUTION # 2020-05-023

**AUTHORIZING PROJECT 6 ELECTRICAL
AND COMMUNICATIONS CABLE AND EQUIPMENT WORK**

WHEREAS, the Niagara Falls Water Board (“Water Board”) pursuant to NYS Department of Environmental Conservation Consent Order R9-20170906-129 agreed to implement improvements to its effluent disinfection system (“Project 6”); and

WHEREAS, in order to complete these improvements in an expeditions and cost-effective manner, the Water Board retained AECOM for design and construction engineering services and determined to construct the improvements using a combination of its in-house forces and using the services of contractors who were awarded previously bid indefinite delivery/indefinite quantity contracts; and

WHEREAS, components of Project 6 require the installation of electrical and communications cables and equipment in the chlorine contact tank building, odor control building, sludge building/lime room basement, and carbon building; and

WHEREAS, Ferguson Electric, pursuant to a pre-bid indefinite delivery/indefinite quantity contract, has submitted a May 20, 2020 proposal to perform this required work on a time-and-material basis for an estimated cost of \$400,000; and

WHEREAS, the New York State Department of Environmental Conservation and Dormitory Authority of the State of New York have authorized the Water Board to use funds from the State and Municipal Facilities Program (“SAM”) Phase I – Upgrade and Improve the Niagara Falls Waste Water Treatment Plant (Project ID: #15688) grant towards half of the Water Board’s costs for Project 6;

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NOW THEREFORE BE IT

RESOLVED, that the Niagara Falls Water Board be and is hereby authorized to pay to Ferguson Electric up to \$400,000 to complete the scope of work related WWTP Project 6, Effluent Disinfection, that is set forth in their May 20, 2020 proposal.

Water Board Personnel Responsible for Implementation of this Resolution:
Executive Director

Water Board Budget Line or Capital Plan Item with Funds for this Resolution:
CIP Item No. WWTP-6, WWTP Rehab Phase 4F, Chemical Improvements

On May 28, 2020, the question of the adoption of the foregoing Resolution was duly put to a vote on roll call, which resulted as follows:

	Yes	No	Abstain	Absent
Board Member Forster	[]	[]	[]	[]
Board Member Kimble	[]	[]	[]	[]
Board Member Larkin	[]	[]	[]	[]
Board Member Leffler	[]	[]	[]	[]
Chairperson Brown	[]	[]	[]	[]

Signed By:

Vote Witnessed By:

Patrick D. Brown, Chairperson

Sean W. Costello, Secretary to Board

Service Division

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May 20, 2020

Niagara Falls Water Board
5815 Buffalo Ave
Niagara Falls, NY 14304

Attention: Mr. Jay Meyers

Re: Effluent Disinfection – Project 6,
FES#PL21096

Dear Jay,

We are please to present this budgetary proposal for the installation of the electrical and communication associated with the Effluent Disinfection Project 6. The budgetary pricing is based off of the preliminary drawings provided by PDG and AECOM.

CCT Building

We will furnish and install the following:

- New 480volt NEMA 3R panelboard and feeder.
- Heat trace the sampling lines.
- Heat trace controls including RTD's and controllers.
- Signal cables for transducer's and flow meters.
- New control cabinet provided by Kaman.
- Fiber Optic cable.

Odor Control Building

We will furnish and install the following:

- Fiber Optic cable and conduit from backwash panel to MCP.
- Ethernet cables for VFD's. (VFD's supplied by others).
- Power and control for Hypo pumps and VFD's.
- Power and control for level sensors.
- Breakers for existing MCC.
- New control cabinet provided by Kaman.

Sludge Building/Lime Room Basement

We will furnish and install the following:

- Fiber Optic cable and conduit from IP-CCT to Carbon Building.
- Heat trace, controllers, and power for HYPO lines throughout building.
- Heat trace control panel and associated power and control.

Carbon Building

We will furnish and install the following:

- Fiber Optic cable for Sludge building to MCP.
- Fiber Optic cable from MCP to Odor Control building.
- Heat trace for HYPO lines in Class 1 Div 2 area.
- Heat trace controller.
- Power and control for heat trace and controller.
- Explosion proof junction box and fittings.

Provide the labor, equipment, and materials to complete our above work scope.

Our budgetary price for the above is **FOUR HUNDRED THOUSAND DOLLARS (\$400,000.00)**.

We will preform the work on a time and material basis per the NFWB contract.

Our price is subject to all applicable sales and use taxes unless otherwise directed by your order to proceed. Our price is based on performing the work during straight-time hours, 7:00am – 3:30pm, Monday through Friday, excluding holidays.

Notes:

- We will perform all work strictly according to Article 70E of the NFPA dealing with the Arc Flash Protection.
- Price is based off the preliminary drawings and after speaking with the engineering firm, field adjustments can be made to significantly reduce the cost. For example, all conduit is noted to be PVC coated rigid conduit, however, this is not required in all areas of facility.

We appreciate the opportunity to work with **Niagara Falls Water Board**.

We await your written authorization of acceptance so that we may begin work on this project in a timely, satisfactory manner.

Respectfully Submitted,

FERGUSON ELECTRIC SERVICE CO., INC.



Daniel R. Schultz
Electrical Services Manager