

where people matter

City of Loganville

Public Utilities
Brandon Phillips
Director
P.O. Box 39
Loganville, GA 30052

Tel: 770-466-3240

Staff Report Department of Public Utilities

To: Honorable Mayor Baliles, and Members of the City Council

Through: Danny Roberts, City Manager

From: Brandon Phillips, Director of Utilities

Date: July 11, 2024

Subject: Treatment Facility Electrical Panel Repair (ARPA Funds)

RECOMMENDATION:

The Utilities Department recommends the City Council approves the repairs of the main electrical panel through Global Control Systems.

The funding source is through ARPA, and the total costs for the repair is \$23,470.00.

BACKGROUND:

One of the main electrical panels at the treatment plant has a central processing unit (CPU) that controls the telemetry system, valves, and sensors throughout the facility. It works together with the output card to signal valves to operate. They also control the valves that feed chemicals throughout the plant for the treatment process. The telemetry system controls alarms, and without the CPU and output card flow meters and probes aren't communicating and sending alarm notifications electronically. These issues were caused by a power surge, and the surge suppressor was faulty allowing the damage to the electrical panel components.

REQUEST:

The Utilities Department is requesting the approval for repairs to the electrical panel. These repairs are important for monitoring and controlling the sludge, dissolved oxygen, flow, and the amount of chemicals we are using each day. Failure of this panel has made process control very difficult for staff, and it is imperative that these repairs are made operate more efficiently.

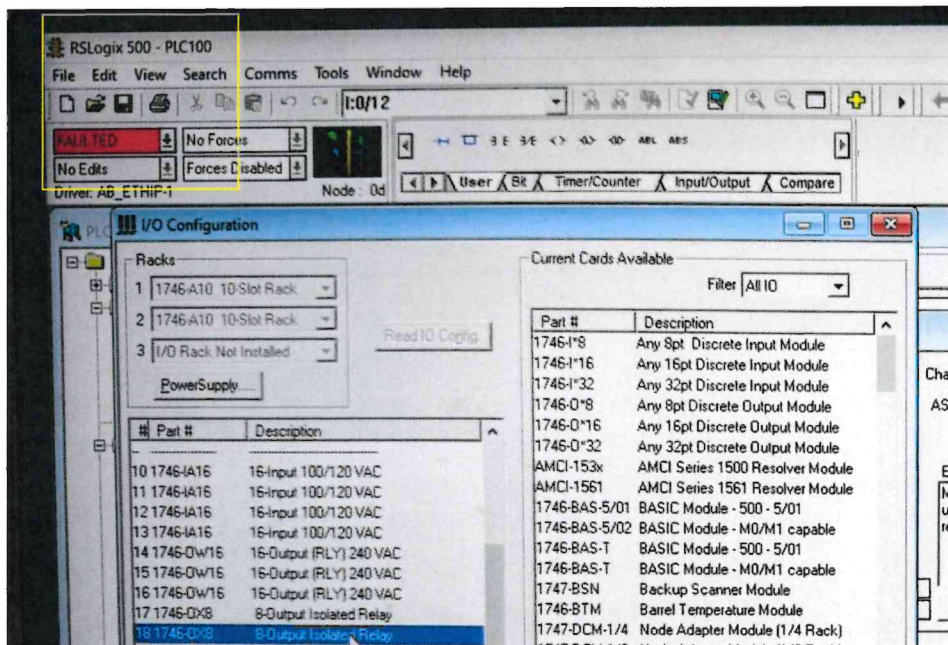
July 1, 2024

City of Loganville
Tyler Canup

Via email: tcanup@loganville-ga.gov
Reference: GCS Proposal Number 024GA035_Rev.0

Dear Tyler,

GCS is pleased to provide a proposal to **replace the faulty CPU in LCP-100 along with faulty digital output card**. GCS has determined during the field visit that the CPU is faulted and will need to be replaced to restore previous operation. Due to the nature of the discontinued parts GCS ultimately recommends replacement of the control panel later. GCS also suggests the replacement of the backup battery supply, along with the 120 VAC surge suppressor.





Material Schedule

AB	Allen Bradley SLC 5/05 CPU
AB	Allen Bradley 8 Point Isolated Digital Output Card
AB	EATON True Online UPS
AB	Phoenix Contact 120 VAC Type 2 Surge Suppressor

Note:

- This scope does not include any additional panel component changes other than listed above.
- This scope does not include any additional programming or operational strategy changes.
- No additional instrumentation is quoted in this proposal
- GCS has not quoted any additional labor/material to troubleshoot other field devices causing power surges

Pricing Schedule

Item	Description
Hardware per Material Schedule	\$19,600.00
Engineering Services (Hardware/Software Programming)	\$ 3,120.00
Field Installation	\$750.00
Total	\$23,470.00



Delivery:

Delivery will be quoted after processing the order.

Any Applicable tax and freight are not included in the scope.

Terms for Payment

100% - Delivery of accepted Hardware / software **Net 30 Days**

Terms and Conditions

Prices quoted herein are for the equipment and services listed and do not include any external electrical wiring or termination, equipment installation, plumbing or mechanical interconnection.

Prices are in US funds, all applicable taxes extra. The above prices will be held for **thirty** days provided equipment manufacturer's price does not change. Any equipment price change will be forwarded to the customer.

If we are not at the agreement within specified time frame, terms and agreement will be negotiated at later date.

Payment Terms:

Pro-rated payment shall become due as each partial shipment is made. If shipment is delayed for any reason that is beyond the control of GCS, prices shall be increased 1.5% for each full month or fraction thereof that shipment is delayed beyond reasonable time frame. Further, if equipment is ready for shipment, and purchaser delays shipment, date of notice of readiness of shipment shall be deemed to be date of shipment for payment purposes.

This proposal is limited to only those technical portions of the Engineer's Specification specifically referred to herein, and to the Terms and Conditions of Sale as outlined. GCS is not bound by any Terms and Conditions of the Prime or other contracts not specifically included herein.

We appreciate the opportunity to furnish you with this proposal and look forward to working with you on this project. Should you have any questions, please feel free to give us a call.

Sincerely,

GLOBAL CONTROL SYSTEMS, INC.

Richard Patel