



ECUA GENERAL RESOLUTION NO. GR21-26

A GENERAL RESOLUTION TO APPROVE A PROPOSAL AND ISSUE A PURCHASE ORDER TO EMECH, INC., FOR UPGRADES TO THE PORTALOGIC AUTOMATED HARDWARE AND SOFTWARE SYSTEM FOR THE SEPTAGE HAULER ACCESS STATION AT THE CENTRAL WATER RECLAMATION FACILITY IN THE AMOUNT OF \$77,864.

BE IT RESOLVED BY THE EMERALD COAST UTILITIES AUTHORITY:

- WHEREAS, in 2014, Emerald Coast Utilities Authority (hereinafter "ECUA") began accepting septage, restaurant waste, and portable toilet waste at the septage receiving facility at the Central Water Reclamation Facility; and
- WHEREAS, we contracted with Elemech, Inc., (Elemech) to provide an automated hardware and software solution via Portalogic, their proprietary software, to automate the entire hauler process from entry into the plant, recording of in/out weights at the scale, activation of the screens where dumping occurs, and all associated hauler billing and record keeping processes; and
- WHEREAS, the Portalogic system is now seven years old and is no longer supported due to changing technology. While the system remains operational, staff contacted Elemech to provide a proposal to update both the hardware and the software associated with Portalogic before it becomes totally obsolete; and
- WHEREAS, Elemech's proposal includes an upgrade to existing hardware, Portalogic software upgrade to the latest version, replacing long range truck readers with current model/firmware, maintaining input/output with existing flow meters and scale, and on-site installation support by two Elemech employees. The cost for this upgrade is \$77,864; and
- WHEREAS, funding for this proposal will be provided by funds available in the Instrument/Electrical division's FY 2021 operating budget.

NOW THEREFORE, be it resolved by the Emerald Coast Utilities Authority:

- SECTION 1. ECUA hereby directs and authorizes the Executive Director to approve Elemech's proposal and issue a purchase order in the amount of \$77,864; and
- SECTION 2. Approve payment from funds available in the Instrument/Electrical division's FY 2021 operating budget.

Approved as to form:



ECUA General Counsel

Adopted on: _____

ATTEST:

Amanda Miller, Administrative Coordinator

Lois Benson, Board Chairman

Date: April 20, 2021
Account Number: 4012105-546001 – R&M Other
Amount: \$77,864
Type of Resolution: General Resolution

EXPLANATION TO ECUA BOARD

Originating Department: Maintenance and Construction

PURPOSE: To acquire authorization from the Board to the Executive Director to approve the proposal and issue a purchase order to Elemech, Inc., in the amount of \$77,864, to provide substantial hardware and software upgrades to the Portalogic automated system for the septage hauler access station at the Central Water Reclamation Facility.

REMARKS: The system has worked extremely well since installation and fully meets all of our requirements. However, the system is seven years old and is experiencing occasional data processing errors or lock-ups due to aging hardware. The hardware and software update is required to keep the septage receiving system operating at a high level for years to come.

Submitted by:


Gerry Piscopo
Deputy Executive Director of
Maintenance & Construction

Reviewed by:


J. Bruce Woody, P.E., M.P.A.
Executive Director

Attachment: Exhibit A – Elemech Quote

ECUA
Cantonment, FL

Phone: (850) 969-6687

Date: March 30, 2021

Quote Number: 2101-051-2

Attention: Sue Mottley
Email: sue.mottley@ecua.fl.gov
Hauler Access Station Upgrades

From: Brian Groszek
EleMech Inc.
2275 White Oak Circle
Aurora, IL 60502
Phone: (630) 499-7080 ext. 24
Fax: (630) 499-7760

Included Scope:

Item #	Part No.	Description	Quantity	Unit Price	Expanded Price
1	Portalogic System Upgrade	<p>System Modification, Includes:</p> <ul style="list-style-type: none"> - Upgrade to existing hardware for interface with current Portalogic software version, traffic pattern unchanged, engineering services (Cost: \$19,738) See Detail 1 - Portalogic Software upgrade to version 6, hosted locally on ECUA servers, matching existing custom reports, in-depth FAT simulations and procedures (Cost: \$12,216) See Detail 2 - Replacing existing long range truck readers with current model/firmware, installation by ECUA (Cost: \$26,135) See Detail 3 - Maintain I/O with existing plant flow meters and scale - Shipping of parts to site Included (Est. Cost: \$800) - On-site modification and training services, expenses included (Cost: \$12,500) See Detail 4 <p>Spare Parts Included:</p> <ul style="list-style-type: none"> - (1) Additional communication controller, w/Programming (Cost: \$1,248) - (1) Additional long range truck reader, w/Ethernet (Cost: \$5,227) <p>*See Site Notes on following page for install details *See Price Breakout Details on following page for costs</p>	1	\$77,864.00	\$77,864.00
2	Included	Warranty- 1 Yr Startup or 18 Months Shipment	1	\$0.00	\$0.00
				Total	\$77,864.00



Quote Number: 2101-051-2

Item #	Part No.	Description	Quantity	Unit Price	Expanded Price
1	Additional Trip	Additional on-site service time, daily rate, includes travel expenses	0	\$1,250.00	\$0.00
2	89-419-004	Long Range Truck Transponders, Qty: 280	0	\$7,980.00	\$0.00
Total					\$0.00
Total from Above					\$77,864.00
Grand Total					\$77,864.00

Site Notes:

1. Upgraded truck transponder readers will communicate via Ethernet to the updated controllers. Any cable/conduit work outside of EleMech's control panels shall be accomplished by the owner.
2. Fiber is currently being used between media converters and the long range readers. This fiber shall be reused and the media converters provided by EleMech will convert the fiber to Ethernet, rather than the existing.
3. Mounting of the new readers shall be by the owner.

Price Breakout Details:

1. Communication controllers price: $(\$1,248) \times (\text{Qty: } 5) = \$6,240$. Replacement fiber optic media converters and associated parts: $(\$575) \times (\text{Qty: } 4) = \$2,300$. Allotted engineering: $(\$1,018/\text{day}) \times (4 \text{ days}) = \$4,072$. Dedicated PLC and communication controller programming: $(\$1,018/\text{day}) \times (5 \text{ days}) = \$5,090$. Remote SQL database migration, upgrading, report customizing: $(\$1,018/\text{day}) \times (5 \text{ days}) = \$5,090$. Total: **\$19,738**.
2. Allotted time for one EleMech programmer and one EleMech engineer for inhouse FAT and testing prior to shipment. Standard programming rate of \$1,018 per eight hours of work time. FAT document will be presented upon completion. Total: **\$12,216**.
3. Five replaced readers at \$5,227 per reader. Covers cost and added programming time per unit. Total: **\$26,135**.
4. Travel rate of \$1,250 per eight hours of work time, including travel expenses and travel time. Estimated time of two EleMech employees for five normal business days. Total: **\$12,500**.

General Notes:

1. All external electrical interconnections, wirings, junction boxes and terminations between the equipment and electrical components are to be provided by installing contractor.
2. All piping to and from the equipment is to be supplied by the installing contractor.
3. Any Item not specifically listed above is not considered part of this scope of supply. Please contact our representatives listed above for further clarification.

Terms and Conditions

The proposal is dependent on customer's acceptance of the attached EleMech, Inc. Standard Terms and Conditions.

Special Information and Exceptions

- Price does not include any unloading or any applicable fees or taxes (Local, Federal, or Final Destination)
- Prices are in U.S. Dollars unless noted otherwise
- Freight is delivered with duty paid (D.D.P.) to jobsite
- Price does not include installation or building modifications
- Price quotation is valid for 30 days from the date of this proposal. After expiration of validity EleMech reserves the right to adjust pricing to take into account any significant increases in material costs such as steel, stainless steel finished products, control components, etc...

Terms of Payment

Payment terms shall be as stated below or as agreed upon terms:

- 15% upon delivery of submittals (net 30 days)
- 75% upon successful startup and acceptance (net 30 days)
- 10% upon delivery of owner documentation, as-builts, OM manual, etc... (net 30 days)

Submittals

EleMech will provide documentation to the customer per the following schedule:

- Drawings for approval including layouts, connection details, anchorage, and control panel
- Complete Bill of Material of all products furnished, with part numbers.

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ELEMECH INC. • 2275 WHITE OAK CIR. • AURORA, IL 60502 • TELEPHONE (630) 499-7080 • FAX (630) 499-7760

Shipment

EleMech will maintain the following schedule:

- Submittals 2 weeks after acceptance of a written purchase order if required.
- Equipment delivery 6-8 weeks after approved submittals or notice to proceed
- O&M manuals prior to equipment start-up.
- For any delays in delivery which are beyond EleMech's responsibility, a finance charge of 1.5% of the contract value per month will be due and payable to EleMech.

Accessories

This proposal includes only those items specifically mentioned in the equipment descriptions. Any items which may be necessary for the operation of the equipment, but are not specifically mentioned, such as motors, meters, heat tracing, drives, additional controls, or supports, are to be supplied via additional quotation separate from this offering.

Purchase Orders

All purchase orders are to be faxed or mailed to:

EleMech, Inc.

2275 White Oak Circle

Aurora, IL 60504

Phone: (630) 499-7080

Fax: (630) 499-7760

All purchase orders are subject to acceptance by EleMech, Inc.

Warranty

EleMech warrants the equipment and components furnished will be free from defects in workmanship and materials and perform the general process function intended solely under the operating conditions defined by EleMech for a period of (a) 12 months from completion of installation, start-up or owner acceptance of the equipment, or (b) 18 months from the date of delivery to Purchaser, whichever date comes first.

Exclusions

- Financing
- Cranes and/or lifting devices
- Unloading and/or storage of equipment on jobsite
- Local, State or Federal taxes or fees
- Foundation design and engineering (EleMech will furnish equipment drawings and data)
- Utilities for erection, installation and operation
- Interconnecting wiring, conduit, piping, tubing, valves, fittings, etc. between the equipment and other equipment and/or control devices and control panel.

Project Management

EleMech will appoint a Project Manager for the duration of the contract. Project Management services are included in this package and are as follows:

- Coordination with EleMech manufacturing on materials procurement and fabrication to and with EleMech shipping/logistics to ensure EleMech commitments are maintained.

Training and Start-up assistance

An EleMech Service Technician can normally be at the jobsite within two (2) weeks after customer's request to EleMech for equipment start-up and commissioning assistance. EleMech will provide additional start-up supervision, which is not specifically included in the scope of our supply at the purchaser's request. For such additional services Purchaser shall pay \$1,250.00 (includes expenses) per day, for eight hours per day.

- At the request of the purchaser, overtime service will be provided at a rate of 1.5 times the regular rate for weekdays, and 2.0 times the regular rate for weekends.
- Expenses are defined as the costs of travel from EleMech's location to the point of installation and return; together with accommodation and living expenses during the period of field service.
- Charges for all time involved will be invoiced, including delays which are beyond EleMech's control.

Equipment Standard

Any deviations from the EleMech standard mechanical and electrical specifications must be discussed with the Purchaser and agreed upon. EleMech reserves the right to charge adders to the equipment price for any non-standard mechanical and electrical components required by the Purchaser and not explicitly stated in EleMech's scope of supply.