

COUNTY OF ROCKLAND
Department of General Services
Purchasing Division

Contract Award Notification

Title: **Digester Gas Compressor -Furnish, Deliver, Installation & Annual Maintenance**

Contract Period: **December 31, 2024, through December 30, 2029, w/ (1) 5-year option**

Original Date of Issue: January 21, 2025

Date of Revision:

BID No: RFB-RC-2024-090

PRC No: 2024012835

Catalog: Wastewater

Authorized Users: United States Agencies, Other States & Political Subdivisions Therein,
Local Governments, School Districts & Non-Profit Agencies

Address Inquiries To:

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Title: Purchaser I
Phone: 845-364-2984
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E-mail: phillipm@co.rockland.ny.us

Description

This contract is to provide and install up to three skid mounted Digester Gas Compressor Packages,
Utile Gas Compressor Model Ro Flo Model8D

Contract #	Vendor Number	Contractor & Address	Telephone No.
BID 24-090	0000020528	Koester Associates, Inc. 3101 Seneca Turnpike Canastota, NY 13032 Contact: Erika Sumner esumner@koesterassociates.com	315-697-3800 Fax: 315-697-3888

COUNTY OF ROCKLAND

DGS – PURCHASING DEPARTMENT
 BLDG. A, 6TH FLOOR, 50 SANATORIUM ROAD
 POMONA, NY 10970
 TELEPHONE NO.: 845-364-3820

VENDOR: KOESTER ASSOCIATES, INC.

LINE NO.	DESCRIPTION	Item #	EST. QTY.	UOM	UNIT PRICE	MANUFACTURER	MODEL NUMBER	Provide lead time for Final Dimensional Drawings ARO - Days/Weeks	Provide lead time for Delivery - upon approval of Dimensional Drawings - Days/Weeks	WARRANTY Years
1	Year 1- Digester Gas Compressor package <u>skid mounted as specified</u> , L240HP JDV UT, NEMA 7 Control Panel, 2 pressure switches, thermal switch, and low oil switch, Compressor package must provide 200 CFM at 20 PSI off combustible gases, Price to include: delivery, installation of new equipment and removal of old equipment, Start-up supervision and training to plant personnel on operation and safety shutdown of the compressor package as specified or approved equal, FOB Destination prepaid and allowed. Manuf: Utile L240HP JDV UT, Ro Flo Model 8D or approved equal	54512000001	1	Year 1	\$ 292,960.57	RO-FLO Compressors	8D	3-5 Weeks	32-34 Weeks	1 Year
2	Year 2- Digester Gas Compressor package <u>skid mounted as specified</u> , L240HP JDV UT, NEMA 7 Control Panel, 2 pressure switches, thermal switch, and low oil switch, Compressor package must provide 200 CFM at 20 PSI off combustible gases, Price to include: delivery, installation of new equipment and removal of old equipment, Start-up supervision and training to plant personnel on operation and safety shutdown of the compressor package as specified or approved equal, FOB Destination prepaid and allowed. Manuf: Utile L240HP JDV UT, Ro Flo Model 8D or approved equal	54512000002	1	Year 2	\$ 322,256.63	RO-FLO Compressors	8D	3-5 Weeks	32-34 Weeks	1 Year
3	Year 3- Digester Gas Compressor package <u>skid mounted as specified</u> , L240HP JDV UT, NEMA 7 Control Panel, 2 pressure switches, thermal switch, and low oil switch, Compressor package must provide 200 CFM at 20 PSI off combustible gases, Price to include: delivery, installation of new equipment and removal of old equipment, Start-up supervision and training to plant personnel on operation and safety shutdown of the compressor package as specified or approved equal, FOB Destination prepaid and allowed. Manuf: Utile L240HP JDV UT, Ro Flo Model 8D or approved equal	54512000003	1	Year 3	\$ 354,482.30	RO-FLO Compressors	8D	3-5 Weeks	32-34 Weeks	1 Year

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4	Annual Preventive Maintenance- Bidder must provide Annual Manufacturer detailed scope and schedule of Maintenance work required for system to function properly. Price to include: maintenance parts and labor as needed. No travel time, mileage or hotel charges to be charged to the county, Two years preventative maintenance required for each unit installed. Price submitted must be cost per year for each unit.	91391000010	2	Year	\$ 6,380.00	RO-FLO Compressors	8D			
5	MARK-UP Percent mark-up for any parts and materials required for incidental work, not included in lump sum prices submitted in lines 1-4. Invoices for payment must list specifically all parts and materials and cost to contractor for each item. The County of Rockland will require verification of these costs by copy of the invoice as submitted to the contractor for payment No Mark-up should be applied to shipping costs. % MARKUP SHALL NOT EXCEED 10%. BIDDER SHALL ENTER A PERCENTAGE BETWEEN 0% UP TO 10%. Must be entered as a whole number (ie: 10% must be entered as 10)	54512000004	500	10% MARKUP						
6	General repairs or incidental work not specifically identified in lump sum prices in lines 1-4 Labor Rate (\$/Man/Hour) Regular Work Hours: 7:30 AM to 4:00 PM	91391000008	1	HR	\$ 235.00					
7	General repairs or incidental work not specifically identified in lump sum prices in lines 1-4 Labor Rate (\$/Man/Hour) Repair Work At Other Than Regular Work Hours	91391000009	1	HR	\$ 235.00					

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**TITLE: Digester Gas Compressor -Furnish, Deliver,
Installation & Annual Maintenance**

BID NUMBER: RFB-RC-2024-090

PURCHASES BY OTHER

LOCAL GOVERNMENTS, SCHOOL DISTRICTS, AND NON-PROFIT AGENCIES

As per the New York State General Municipal Law, all political subdivisions of New York State are allowed to make purchases through the resulting contract(s). As per Rockland County Procurement Policy, Non-Profit Agencies approved to participate in New York State's Contract Extension Program are authorized to make purchases through the resulting contract(s).

1. The County of Rockland shall make all contract award information available to other political subdivisions and non-profit agencies through our website: www.rcpurchasing.com
2. Any other political subdivision or Rockland County non-profit agency will issue purchase orders directly to vendors within the specified contract period referencing the County's contract and shall be liable for any payments due on such purchase orders; and shall accept sole responsibility for any payment due.
3. All purchases shall be subject to audit and inspection by the other political subdivisions and Rockland County non-profit agencies for which the purchase was made.
4. No officer, board or agency of a county, town, village, or school district shall make any purchase through the County when bids have been received for such purchase by such officer, board or agency, unless such purchase may be made upon the same terms, conditions and specifications at a lower price through the County.
5. All Bidders shall be on notice that as a condition of the award of a County contract, the successful bidder shall accept the award of a similar contract with any other political subdivision in New York State and Rockland County non-profit agencies authorized to use New York State's contracts, if called upon to do so. A listing of approved Rockland County non-profit agencies is available on the Purchasing Division's website at www.rcpurchasing.com. The County, however, will not be responsible for any debts incurred by the participants pursuant to this or any other agreement.
6. Necessary deviations from the County's specifications in the award of a participant contract, whether such deviations relate to quantities, or delivery points shall be resolved between the successful bidder and the other political subdivisions and Rockland County non-profit agencies.

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SPECIFICATIONS

1. SCOPE

- 1.1. The scope of this bid is to provide and install up to three skid mounted Digester Gas Compressor Packages, Utile Gas Compressor Model L240HP, Ro Flo Model8D or approved equal.
- 1.2. The existing compressor package is Ro Flo Model 8D, Drawings attached.
- 1.3. The Digester Gas Compressor Packages that are being requested are for the replacement for three existing gas mixing compressors on site. Contractor will be responsible for the removal and proper disposal of existing/removed equipment.
- 1.4. The County intends to purchase and install one (1) Digester Gas Compressor Package, as specified, each year for the next three years (2025, 2026 and 2027, with funds contingent upon the respective year's budget appropriations.
- 1.5. All deliveries must be FOB Destination prepaid and allowed.

2. SITE VISIT

- 2.1. Visiting the Site- All Bidders are encouraged to visit the job site to verify all conditions. A Site visit is scheduled for **Wednesday, October 30th at 10:00 am** at the **Rockland County Sewer District #1 located at 4 Route 340, Orangeburg, NY 10962**. Bidders must contact Mr.Yuriy Hlovatsky at (845) 365-6495 or hlovatsY@co.rockland.ny.us, to confirm their intent to attend this site visit, by October 24th. Bidders must perform as specified whether or not they visit the site.

3. BRAND NAME

- 3.1. The use of a brand name is for the purpose of describing a standard of quality, performance and characteristics desired and is not intended to limit or restrict competition.

4. PRICE ADJUSTMENT

- 4.1. The County recognizes this product or service has a price component that may have a commodity with changing costs. The Contractor/Supplier may request a Price Adjustment no more frequently than once each year.

A Price Adjustment request must be made in writing and include the reason for the request, documentation supporting the request (ie, commodity increases), the current pricing, and the requested revised pricing. The County will review the Price Adjustment request. If the Price Adjustment is deemed reasonable the Price Adjustment request will be accepted by written acknowledgement. If the request is not accepted the County may entirely reject the request or may counter with revised pricing. In either case the County will provide a written explanation in support of the decision.

The Director of Purchasing may use available indexes (e.g. CPI or PPI) to determine if the requested Price Adjustment is reasonable. Typically, a Price Adjustment that exceeds 5% will not be approved unless very unusual and significant changes have occurred in the industry.

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5. APPROVED EQUAL OR EQUIVALENT PRODUCTS

- 5.1. Bidders shall submit an item listing and explanation of any differences between their products specifications and performance and the listed bid specifications. Product and service warranties must be included with bid.
- 5.2. If bidders submit or bid for equivalent or approved equal products, they must submit manufacturer's product description and specifications. These specifications must include all items listed in the bid specifications.
- 5.3. Bidders must list five entities currently using the product on the certification of experience page in the bid package.
- 5.4. Bidder must be able to demonstrate within two week after notice and guarantee in writing that the item bid is interconnectable with existing equipment.

6. SPECIFIC REQUIREMENTS

6.1. SITE CONDITIONS

- 6.1.1. The compressor is required to compress digester gas from 0 Psig (inlet pressure) to 20 psig (discharge pressure). The rated flow of the compressor shall be 225 scfm (capacity). The Digester Gas analysis will be provided upon request.
- 6.1.2. The compressor shall be a bedplate mounted package suitable for indoor service. The system shall include but shall not be limited to the following components: inlet gas piping to connect to an existing inlet filtration assembly, compressor, electric motor driver, lubrication system, gas and coolant piping and safety controls.

The following conditions prevail at the jobsite:

Fresh Water: at 30 to PSIG 85 °F Max. Temp.
 Electrical: Prime Mover: 480 Volts, 3 Phase, 60Hertz
 Controls: 120 Volts, 1 Phase, 60 Hertz
 Ambient Air: 50 – 95 °F, Elevation 0 ft, 105 °F Max. Temp.
 Electrical Area: Classification: Hazardous
 Equipment: Class 1, Group D, Div. 1
 Control Panel: Class 1, Group D, Div. 1

6.2. COMPRESSOR DESIGN

- 6.2.1. Compressors shall be suitable for the specified operating conditions and shall be designed and constructed for either intermittent or continuous operation. Compressors shall be of the rotary, positive displacement, water-cooled, sliding vane type as manufactured by Utile Gas Compressors, or approved Equal.

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BID NUMBER: RFB-RC-2024-090

6.2.2. The compressor shall be designed to handle not less than 200 SCFM of digester gas measured at inlet conditions of 14.7 PSIA and 100 °F with a K factor of 1.3 and a specific gravity of .85, discharging at 20 PSIG when operating at 1100 RPM requiring 30 BHP using a 30 HP motor. The performance guarantee on volume and brake horsepower is subject to a tolerance of 5%. This is to be submitted in writing with the proposal and will become part of the contract.

6.2.3. The arrangement of the compressor installation shall be developed jointly to provide adequate clearance areas and safe access for operation and maintenance.

6.3. DESIGN REQUIREMENTS

6.3.1. Cylinder and heads of single stage machines are to be cast iron suitable for 150 PSIG discharge pressure. Inlet and discharge flanges on all units are to be ANSI Class 125 design. All compressors are to be tested under hydrostatic pressure at 225 psig to insure against leakage and assure soundness.

6.3.2. Discharge temperatures on all single stage machines are not to exceed 350°F

6.4. BASIC PACKAGE DESIGN

6.4.1. Compressor system shall be suitable for the operating conditions in section 6.1.

6.4.2. Compressor system shall be designed for indoor service.

6.4.3. The compressor system shall be a bedplate mounted package. The compressor package shall include all of the following:

6.4.3.1. Drive motor shall be horizontal induction motor type.

6.4.3.2. Lubrication is to be provided under pressure by means of a force feed lubricator. A check valve must be used on each supply line to prevent gas from blowing back through the oil lines. Lubricator must be equipped with a low oil level alarm device, a no-flow shutdown switch, a shaft rotation shutdown device and sight glass. The lubricator shall be directly driven.

6.4.3.3. Intake gas filter shall be supplied by the customer -already existing.

6.4.3.4. Gas discharge check valve shall have stainless steel internals to prevent reverse rotation of compressor and leakage from the system during shutdown.

6.4.3.5. A Gas Coalescing filter, suitable for 150% design flow @ design pressure shall be supplied, piped at the discharge, and shall have a efficiency of 1.0 micron absolute @ the compressor discharge temperature, and shall be suitable for the application and temperature. The automatic drainer shall be float action type for removal of coalesced liquids present in the discharge gas. In addition, a manual drain and filter differential gauge shall be supplied. The filter housing shall be an ASME code vessel, stamped and certified.

6.4.3.6. Temperature/pressure gauges shall be local mount type and be located as follows:

	<u>Location</u>	<u>Temperature Gauge</u>	<u>Pressure Gauge</u>
6.4.3.6.1.	Compressor gas inlet	X	X
6.4.3.6.2.	Compressor gas discharge	X	X

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6.4.3.6.3. Oil Filter DP -- X

6.4.3.6.4. (Diaphragm seals for gauges 5 PSIG or higher – optional)

6.4.3.7. Compressor safety switches shall consist of discharge pressure and high gas temperature switches for shutdown of compressor (inlet pressure switch to prevent digester pressure below TBA inches W.C. – optional).

6.4.3.8. Common fabricated steel bedplate to support all system components. Bedplate to have a drip rim of 2” minimum height & single point Drain.

6.4.3.9. All interconnecting gas. All piping to be arranged with low point drains to prevent moisture from entering compressor.

6.4.3.10. Electrical components shall conform to Purchaser’s electrical area classification.

6.4.3.11. Safety relief valve – Direct operating type with 316 stainless steel internals designed to protect compressor, mounted at the discharge with suitably sized exhaust port for connection to customer vent line (1 ½”).

6.4.3.12. New Control Panel – NEMA 7 with starter and control circuits for:

6.4.3.12.1. Low Pressure switch

6.4.3.12.2. High Pressure switch

6.4.3.12.3. DNFT lube switch

6.4.3.12.4. High Discharge temperature shutdown switch

6.4.3.12.5. Indication Lamp for each safety shutdown

7. INSPECTION AND TESTING

7.1. The inspector representing the County shall have entry to the vendor’s shop at all times with prior notification.

7.2. The vendor shall keep the following data available for examination upon request by the County or its representatives:

7.2.1. Purchase specifications of bills of materials.

7.2.2. Compressor hydrostatic test and performance test data (if specified to verify that the requirements of the specification are being met).

7.3. The entire system shall be subjected to a mechanical test at the vendor’s facility. The vendor shall give the purchaser at least five working days advance notice of scheduled shop tests and final inspection prior to shipment.

7.4. Hydrostatic tests shall be run for a minimum of ½ hour.

7.5. Documented performance results from a similar compressor may be substituted for acceptance, if available.

COUNTY OF ROCKLAND - DGS-PURCHASING
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BID NUMBER: RFB-RC-2024-090

- 7.6. The mechanical running test of the system shall include the following: (not necessarily in this specific sequence).
 - 7.6.1. Run the compressor at rated speed and, after temperatures have stabilized; Check the mechanical performance, including lubricator oil flows, operation of electrical devices
- 7.7. Each unit shall be suitably prepared for shipment. After all tests are completed and inspection is made, all exposed machined surfaces shall be thoroughly coated with a rust preventive. All exterior parts of the unit shall be painted with manufacturer's standard paint. The interior of the compressor shall be sprayed with a suitable rust preventive that will be washed out by lube oil during initial operation.
- 7.8. All flanged opening shall be provided with shipping covers. All uniped threaded openings shall be fitted with plugs.

8. PERFORMANCE GUARANTEE

- 8.1. Vendor shall guarantee and agree to the following:
 - 8.1.1. The compressor shall be guaranteed for satisfactory performance at all specified operating conditions.
 - 8.1.2. The compressor performance shall be guaranteed at the normal operating point unless otherwise specified and subject to a tolerance of 5% of both capacity and horsepower.

9. VENDOR'S DATA (To be Submitted with Bid)

- 9.1. Written guarantee, that the proposed unit will work with our current application, must be submitted with bid.
- 9.2. The following specific items shall be included:
 - 9.2.1. All the completed data sheets required by the inquiry.
 - 9.2.2. Details of the driver, if the compressor manufacturer furnishes it.
 - 9.2.3. A priced quotation covering the services of the vendor's field service technician, if specified.
 - 9.2.4. Either a specific statement that all equipment is in strict accordance with the County's specifications or a specific list of deviations there from (deviation may include alternative designs equivalent to those specified).
 - 9.2.5. The instrumentation the vendor recommends for monitoring and protecting the compressor.
- 9.3. Each proposal shall be accompanied by a preliminary outline dimension drawing of the compressor package with their bid submission.
- 9.4. The shipment date shall be specified in the vendor's proposal and shall be a fixed number of weeks from receipt of approval of drawings.
- 9.5. Full dimensional drawing of package in AutoCAD 3D format, this will assist installation of the equipment.
- 9.6. Package PID showing all instruments and major components.

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BID NUMBER: RFB-RC-2024-090

- 9.7. Details of all major equipment, motor, compressor, filter, drive system, lube system, weights, center of gravity.
- 9.8. Package shall be designed to fit on the existing housekeeping pad, 36"W x 79" L x 7" H.

10. DELIVERY REQUIREMENTS

- 10.1. A review of the vendor's drawing shall be made promptly after receipt by the County. Such review shall not constitute permission to deviate from any requirements of the order unless specifically agreed upon in writing.
- 10.2. The vendor shall furnish two copies of the outline dimension drawing of the compressor package. The following information shall be included on the outline drawing and on other drawings and data as applicable:
 - 10.2.1. The purchase order number, equipment item number, job number, project name and location.
 - 10.2.2. The weights of the compressor, driver, baseplate and the total assembly.
 - 10.2.3. All principal dimensions, including those required for the purchaser's foundation and piping design.
 - 10.2.4. The direction of rotation.
 - 10.2.5. The size, type, location, identification and intended usage of all pipe and conduit connections to be made by purchaser.
 - 10.2.6. Any piping, fittings or equipment furnished by the vendor for field mounting.
- 10.3. The instruction manuals shall be furnished no later than four weeks before shipment. The manuals shall describe the installation, operation and maintenance procedures and shall cover the driver, compressor and major auxiliary equipment furnished by the vendor.
- 10.4. All deliveries shall be made to the Rockland County Sewer District # 1 between the hours of 7:30 AM and 2:30 PM, Monday through Friday excluding holidays.

11. INSTALLATION & START UP

- 11.1.1. The installation of the skid mounted Gas compressor packages shall be included in the bid.
- 11.1.2. The packages must be hardwired at the factory as to minimize onsite electrical work which will be performed by the County. Onsite electrical work must be limited to connecting the 460 volt, 60 Hz, 3 phase customer supply lines L1, L2, L3 to the new panel.
- 11.1.3. Start-up supervision shall be included. This will include providing basic training to Plant personnel on the operation and safety shutdown of the compressor packages.
- 11.1.4. The package vendor shall prepare and provide an operation daily check list and a monthly preventive maintenance form or check list in addition to any manufacturer service manuals and literatures. This checklist shall be used to document proper operation and maintenance of the compressor packages.

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11.1.5. Contractor will be responsible for the removal and proper disposal of existing/removed equipment.

11.1.6. All work must meet the approval of an authorized Representative of the Rockland County Sewer District #1.

12. ANNUAL PREVENTATIVE MAINTENANCE-

- 12.1. Bidder must provide Annual Preventative Maintenance as required by the Manufacturer for two years, for each unit
- 12.2. Bidder must provide Annual Manufacturer detailed scope and schedule of Maintenance work required for system to function properly.
- 12.3. Price to include maintenance parts and labor as needed.
- 12.4. Annual Preventative Maintenance to be provided one year from the date the project was completed and approved by the Rockland County Sewer District.
- 12.5. There will be no travel time, mileage or hotel charges to be paid by the county.

13. LABOR AND MATERIAL COSTS for incidental work to be done or parts needed ONLY

- 13.1. **To be paid only for incidental labor and materials that are NOT included in the specifications listed above and on lines 1-4 of the proposal pages**
- 13.2. **All incidental labor and material costs must be approved by an authorized representative of the Rockland County Sewer District #1, prior to work being done.**
- 13.3. All incidental labor and materials shall be invoiced and paid, as bid, on the proposal pages.
 - 13.3.1. Bidder's are to consider travel related expenses when calculating the hour rate as the County will only process labor payments for the actual hours technicians are on site performing services.

13.3.2. LABOR COSTS

- 13.3.2.1. Detailed description of all completed service work must accompany all invoices.
- 13.3.2.2. Contractor shall bid a labor rate in dollars per man-hour for a technician to make required repairs, replacements for unexpected work or parts required only.
- 13.3.2.3. The bidder agrees and hereby certifies that all labor charges contained in the invoices and vouchers shall be only those that was required and necessary to complete the work. The invoice must list specifically the type of laborer utilized and the number of man-hours worked. The Contractor's labor charges must correspond to the rates which he supplied with the bid. All labor shall be billed from the time bidder's employee arrives at the job site, to the time he departs from the Rockland County job site. There shall be no allowance for travel time mileage and/or expenses.
 - 13.3.2.3.1. The only billable time shall be for work performed.

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- 13.3.2.4. Invoices for labor must be billed to the next half hour of actual time worked (example: 8:00 AM to 9:10 AM would be billed at 1 hour and 30 minutes). Invoices rounded to the next full hour will not be approved for payment.

13.3.3. MATERIAL COSTS

- 13.3.3.1. The invoices for payment must list specifically all parts and materials and cost to contractor for each item.
- 13.3.3.2. The County of Rockland will require verification of these costs by copy of the invoice as submitted to the contractor for payment.
- 13.3.3.3. The contractor agrees and hereby certifies that all parts and materials purchased shall be at lowest price available at the time considering the prevailing conditions and circumstances for which it is required that the purchase be made.
- 13.3.3.4. County of Rockland reserves the right to supply material when deemed in the best interest of the County of Rockland.
- 13.3.3.5. Materials are to be invoiced at the Contractor's cost plus the mark-up. **The mark-up is not to exceed 10%.**
- 13.3.3.5.1. Documentation of material costs (invoices, etc.) of items greater than \$1,000 shall be provided with Contractor's invoices **as a condition of payment.**
- 13.3.3.6. All parts shipped to the Sewer District, must be shipped FOB Destination, included and allowed.
- 13.3.3.7. Shipping charges from Manufacturer/Distributor to Bidder will only be paid if invoice is provided showing shipping charges that were paid by the bidder. **NO MARK-UP to be charged on shipping charges.**

14. GENERAL WARRANTY

- 14.1. All repair work must be guaranteed for 90 days, and all new work for a period of one year. Any repair or replacement of work performed under this contract, for any and all failures within that period, will be at the expense of the contractor.
- 14.2. Documentation of proper operation and maintenance shall be made available to the County during the warranty period.

15. USE OF PREMISES

- 15.1. On or about the premises and adjacent areas, the Contractor shall ensure that all apparatus, storage of materials, and activities of workmen be confined to the limits indicated by law, ordinances, permits and the direction of the authorized County of Rockland representative, and shall not encumber or permit the premises or adjacent areas to be encumbered with such materials or apparatus.
- 15.2. The work site shall be kept in an orderly and safe fashion so as not to interfere with the progress of the work or the work of any other Contractor.

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- 15.3. The Contractor shall be responsible for repairing and replacing anything damaged by his operations, within thirty (30) days after notification by the authorized County of Rockland representative that damage has occurred.
- 15.4. It will be the responsibility of the Contractor to report, to the authorized County of Rockland Representative, any damages found prior to any work at this site.

16. CLEANING UP

- 16.1. The Contractor shall at all times keep the premises and adjacent areas free from accumulations of waste material or rubbish. At the completion of the work, he/she shall remove, from and about the premises, including adjacent areas, all rubbish, tools and surplus materials used for work and shall have the area "broom clean" and ready for use. In case of a dispute, County of Rockland may remove rubbish and clean up, then may charge the Contractor either by deduction of amounts unpaid to the Contractor, or by other means as determined to be fair and equitable by the authorized County of Rockland representative.

17. HEALTH AND SAFETY

- 17.1. Successful contractor shall be subject to facility use rules and shall sign in and out, at the designated location whenever entering or leaving the premises. A job ticket stating name of employee, shall be completed for each individual after each service call.
- 17.2. All workers shall wear uniforms and/or identification labels of the contractor's business.
- 17.3. The vendor shall provide a Health and Safety Plan to be approved by an authorized County Representative prior to starting the installation and start-up of this project.

18. WORK HOURS

- 18.1. Work must be performed between the hours of 7:00 AM and 4:00 PM, Monday through Friday. No work is to be performed outside of these hours without authorization from the authorized County of Rockland representative. The contractor shall notify an authorized County of Rockland representative 24 hours in advance prior to the scheduled service date.

19. REFERENCES

- 19.1. All bidders must submit a list of at least five accounts with contact persons where digester gas or landfill gas system work has been performed in the last 5 years. The Certificate of Experience must be completed and is included with the proposal form.

COUNTY OF ROCKLAND - DGS-PURCHASING
 BLDG. A., 6TH FLOOR, 50 SANATORIUM RD, POMONA, NY 10970
 TELEPHONE: 845-364-3820 / TELEFAX: 845-364-3809

TITLE: Digester Gas Compressor -Furnish, Deliver, Installation & Annual Maintenance

BID NUMBER: RFB-RC-2024-090

20. AMENDMENTS TO BID

- 20.1. Any verbal information obtained from or statements made by the Representative of the County of Rockland or his designee at the time of examination of the documents or site shall not be construed as, in any way, amending Contract documents. Only such corrections or addenda as are issued by the Director of Purchasing in writing to all Contractors shall become a part of the Contract.
- 20.2. Any addendum issued during the time of bidding shall be included in bids and become a part of the Contract Agreement.

21. AWARD

- 21.1. Award will be made to the lowest responsive responsible bidder meeting all of the requirements as specified.

22. PRODUCT SPECIFICATIONS (must be submitted with bid)

- 22.1. Bidder shall submit an item-by-item explanation of any differences between their product specifications and performance and the listed bid specifications. Bidders are to note comply or write in alternative specification in column at right of specification pages

ITEM NO.	DESCRIPTION	BIDDER TO NOTE "COMPLY" OR LIST ALTERNATE SPECIFICATIONS
1	Skid Minimums– 200 scfm from 0 psig to 20 psig	
	GAS COMPRESSOR	
2	Utile Gas Compressor Model L240HP or approved equal, sliding vane, positive displacement type rotary gas compressor.	
3	Alloy steel one-piece rotor and shaft	
4	Identical cylindrical roller-type shaft bearings, both ends	
5	Mechanical shaft seal carbon vs. alloy steel faces	
6	Twin internal seal rings for oil buffered bearing seal	
7	Laminated Kevlar™ cloth and phenolic resin blades	
8	125# ANSI flat faced flanged inlet/discharge gas connections	
9	Ductile Iron, ASTM A395, cylinder and heads, hydrostatically tested to a minimum of 1.5	
10	times the maximum allowable working pressure	

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11	Metal-to-metal cylinder-to-head mating surface with recessed gasket to prevent gasket	
12	blow out and insure proper internal axial clearances	
13	Provisions for compression cylinder low point condensate drain	
14	2 pump lube system with divider block & DNFT protection	
15	Lube oil tank	
	MAIN DRIVE MOTOR	
16	30 HP Motor, 1100 RPM speed	
17	Suitable for Class 1, Group D, Div. 1 area, class F rise	
18	Constant torque application, X-Line starting	
19	Anti-friction bearings, grease lube, insulated, slinger type drive end seal, grease fittings	
20	required, 92 Db noise level	
21	Motor to be provided with Vibracon machine support chocks for EASY field alignment	
	COUPLING & COUPLING GUARD	
22	Belt guard and coupling guard, OSHA conformed, for all belts and coupling drives	
	LUBRICATOR	
23	4-pint, single Feed (3/8" BSF) RH, 115:13.6-18 PPD	
24	Anchor cross & gauge assay W/ Rupture disk	
25	10 micron filter	
26	Divider valve, 7 lube output ports	
27	DNFT (LED Digital NO Flow Timer) installed on block, provision to wire back to new panel	
28	(7) Check valves double ball, for each feed	

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ITEM NO.	DESCRIPTION	BIDDER TO NOTE "COMPLY" OR LIST ALTERNATE SPECIFICATIONS
	DISCHARGE OIL REMOVAL	
29	ASME Code moisture removal knockout, with integral coalescer filter assembly, 1.0 Micron Filtration efficiency	
30	3" inlet, 3" outlet, Coalescing type	
31	Includes Float type automatic Drain with Manual Drain. Epoxy coated, steel construction	
32	Installed on sub-base & piped.	
33	Provide Automatic drain – float type, and manual drain	
	PIPING	
34	All Schedule 40 Carbon steel, welded to B31.1 Union Stamp NY	
35	Valves, Strainers installed.	
	FLEX JOINTS	
36	Provide inlet (4") & outlet (3") flex joints, suitable for the application	
37	Mercer or approved equal	
	VALVES	
38	Relief valves – as required per ASME code.	
	ELECTRICAL AND CONTROLS	
39	To be hardwired and factory tested	
	INSTRUMENTATION	
40	(3) Inlet/Discharge pressure Gauge, Package Ref: P-80128, P-8013A, P-8013B	
41	Provided & mounted, ASHCROFT 1259 series, 0-30 psig (Discharge) 30-0-30 (Inlet)	

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ITEM NO.	DESCRIPTION	BIDDER TO NOTE "COMPLY" OR LIST ALTERNATE SPECIFICATIONS
42	316 SS bourdon tube, liquid-filled, located on compressor discharge	
43	(1) High temperature shutdown switch	
44	(2) High /Low Pressure shutdown switch	
45	(3) Flow switch, Package Ref F-8013	
46	(3) Ashcroft temperature gauge	
47	(1) Sight flow Indicator - coolant flow	
48	(1) Shaft Rotation shutdown	
49	Indicating Lamps and engraved label tags	
50	Means of blocking the Start for LOTO	
	STEEL SUB-BASE	
51	Fabricated steel sub-base, NOMINAL dimensions 68" x 36", 6" channel with integral drip	
52	Pan & drain port (3/4"). Sandblasted, epoxy Primed & painted customer choice color	
	DOCUMENTATION – Must Submit the following with Bid:	
53	Operation & Maintenance Check List	
54	Detailed Operators manual including all components O&M Manuals	
55	Detailed description of operation	
56	Outline drawings & Controls Schematics	
57	General arrangement In 3D AutoCAD	
58	Startup procedure	
59	Compressor sizing sheet	
60	Recommended cooling requirements	
61	Lubrication recommendation sheet	

DEPARTMENT OF GENERAL SERVICES, PURCHASING DIVISION

Dr. Robert L. Yeager Health Center
50 Sanatorium Rd, Building A
Pomona, New York 10970
Phone: (845) 364-3820 Fax: (845) 364-3809
Email: purchasing@co.rockland.ny.us

Paul Brennan, FNIGP, NIGP-CPP, CPPO
Director of Purchasing

ADDENDUM # 1

RFB-RC-2024-090

**Digester Gas Compressor -Furnish, Deliver, Installation &
Annual Maintenance**

The information in this addendum supersedes any contradictory information set forth in the contract documents. Acknowledge receipt of this addendum in the space provided on the signature page of the bid proposal. Failure to do so, may subject the bidder to disqualification. This addendum forms a part of the contract documents.

NOTE:

The file name “Diagram” attached to this bid, are drawings of the current Digester Gas Compressors- Ro-Flo 8D at the Rockland County Sewer District #1.

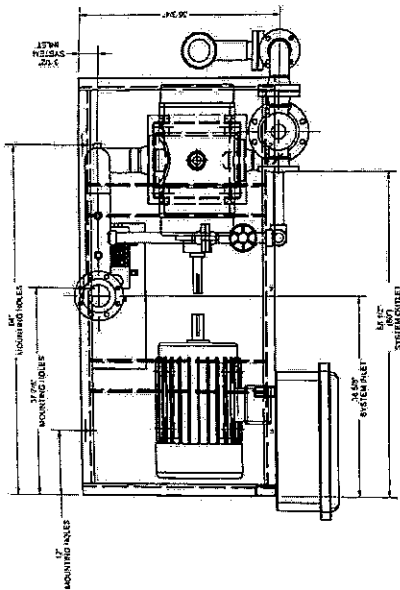
SIGNED:

Paul J. Brennan

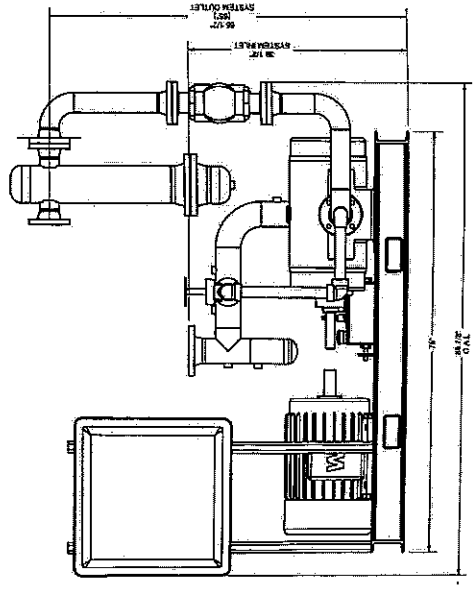
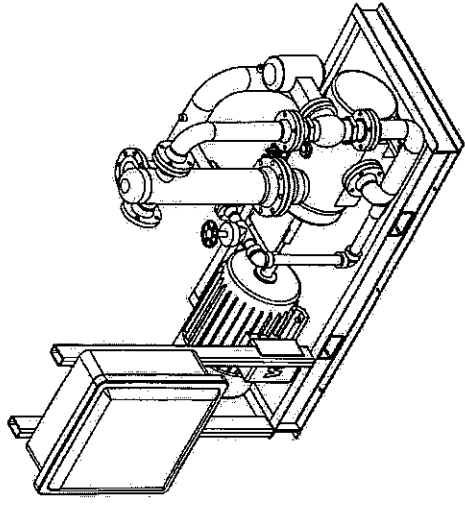
PAUL J. BRENNAN, FNIGP, NIGP-CPP, CPPO
DIRECTOR OF PURCHASING

ADDENDUM

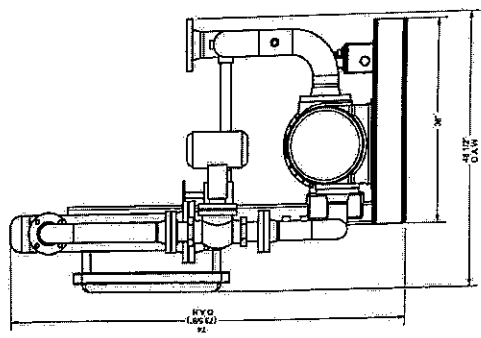
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SKID 1, (2) PLAN VIEW
SCALE 1/16



SKID 1, (2) FRONT VIEW
SCALE 1/16

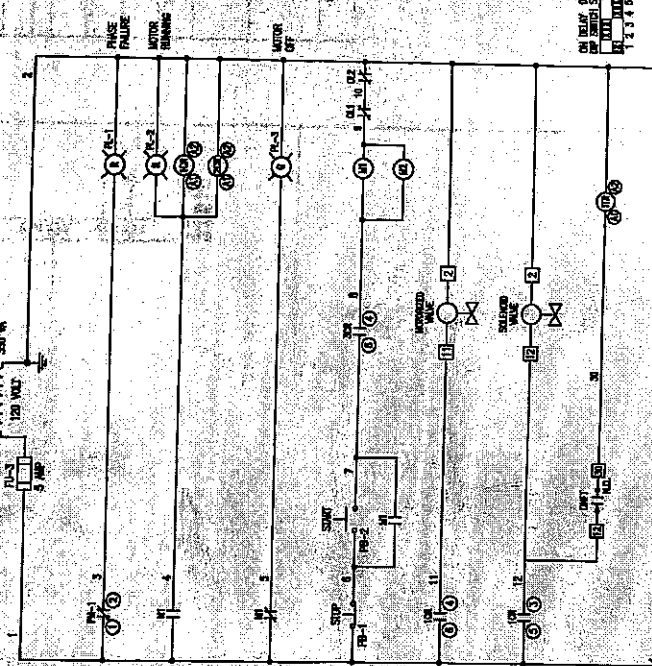
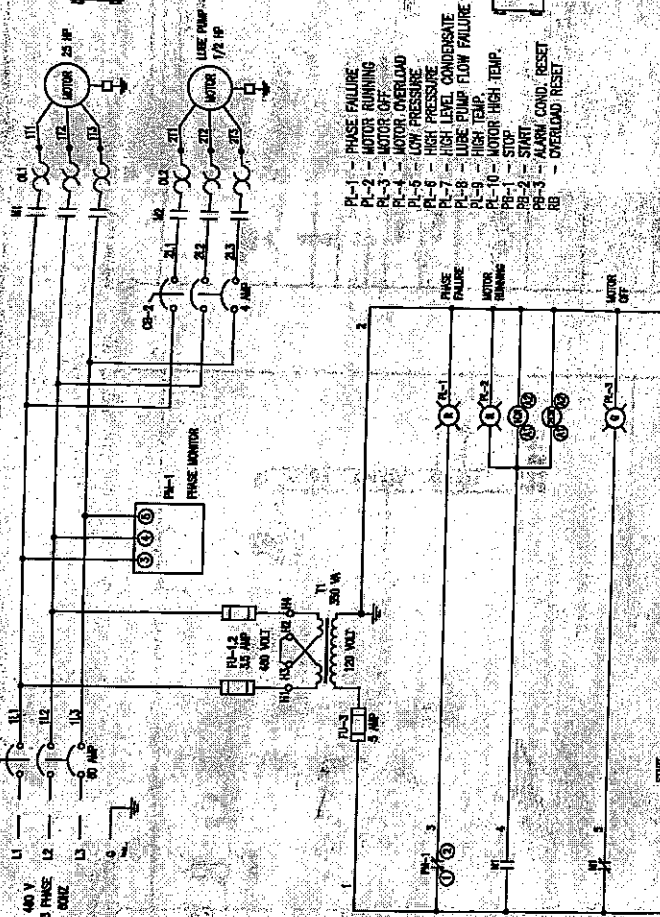


SKID 1, (2) END VIEW
SCALE 1/16


DRAWING APPLIES TO SKIDS 1, 2
DIMENSIONS IN () APPLY TO SKID 2 ONLY

CG GLAUBER EQUIPMENT CORPORATION					
DATE: 12/20/64	BY: J. H. HARRIS				
REV: 1	REV: 1				
PROJECT: 1058074					
DESCRIPTION: 1058074-202					
DRAWN BY: J. H. HARRIS					
CHECKED BY: J. H. HARRIS					
APPROVED BY: J. H. HARRIS					
NOTED BY: J. H. HARRIS					
REVISION HISTORY					
REV.	DATE	DESCRIPTION	BY	CHKD.	STG.
1	12/20/64	1058074-202	J. H. HARRIS	J. H. HARRIS	J. H. HARRIS

NOTES:



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CONT. PAGE 2 OF 2

DRAWN: GJG		06/11/2029		 GLAUBER EQUIPMENT CORPORATION	
CHECKED: JIN		06/11/2028			
300 IAL		1058024		TITLE: ELECTRICAL SCHEMATIC USED: COMPRESSOR SKID PROJECT: ROCKLAND COUNTY HIG FOR: HAUSER BROS. INC.	
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SCALE: N/A		AS BUILT		1 OF 2	



