



REQUEST FOR PROPOSAL

Generator Fuel System Installation

For

Rochelle Municipal Utilities

700 West Second Avenue

Rochelle, IL 61068

By

BHMG Engineers, Inc.

March 18, 2016



Overview:

BHMG Engineers, Inc. is requesting proposals for the Rochelle Municipal Utilities, (RMU), for the installation of a diesel fuel storage and supply system for their new containerized generator system located at 1515 Caron Road, Rochelle, IL 61068.

The project includes the installation of a liquid fuel storage and distribution system to supply fuel to three containerized diesel generators. The client purchased a new fuel storage tank, to be relocated and installed at the proposed site.

General Requirements:

- The project is a prevailing wage project, and requires certified payroll to be submitted.
- The project requires contractor to be insured and provide certificates of insurance prior to starting work.

Scope of Work

- RMU will provide the following items for the project:
 - New fuel storage tank.
 - New fuel tank concrete foundation.
 - New concrete secondary containment dike.
 - Diesel fuel.
- Fuel System Contractor to provide:
 - All fuel piping as shown on drawings.
 - All restraints, supports, brackets and anchors for piping and hardware.
 - All construction permits, including Illinois Fire Marshall.

Liquid Fuel Piping Requirements

- Pipe Materials:
 - Design Pressure: 50 PSIG.
 - Design Temperature: 350 degrees F.
 - Above Grade: Schedule 80, ERW carbon steel, Grade ASTM A-53, Grade B.
 - Fittings: 3000#, socket weld, forged steel.
 - Joints: Welded, flanged, 150#, slip-on, ASME B16.5.
 - Below Grade: Schedule 80, ERW carbon steel, Grade ASTM A-53, Grade B, with fusion bond epoxy coating, with field applied liquids and patch compounds for all fittings and welds; or Schedule 80 304L Stainless Steel, Grade ASTM A-314, ERW, with 3000# socket weld fittings.
- Valves:
 - Ball Valves:
 - Manufacturers: Apollo, Morrison Brother, equivalent.



- Carbon steel, two-piece body, stainless trim, 150# flanged, full port, RTFE seats, lever type, lockable.
 - Gate Valves:
 - Manufacturers: Morrison Brother, or equivalent.
 - Ductile iron body/bonnet, 150# flanged, rising stem, lockable, handwheel, solid wedge disc, 200 psig (WOG) with expansion compensation relief.
 - Check Valves:
 - Manufacturers: Morrison Brother, or equivalent.
 - Ductile iron body, swing type Y-pattern, stainless disc, 150# flanged ends, with expansion compensation relief.
- Installation:
 - Install in accordance with manufacturer’s instruction.
 - Provide non-conducting dielectric connections wherever jointing dissimilar metals.
 - Route piping in orderly manner, plumb and parallel to building structure, maintain gradient.
 - Install unions or flanges, downstream of valves and at equipment or apparatus connections.
- Painting:
 - Contractor shall paint all above ground piping, fittings, and accessories, installed or adjusted with two coats of client selected color paint.
- Underground Corrosion Protection:
 - Contractor shall provide and install sacrificial anodes at both ends of underground pipe system and connect to pipe and provide corrosion protection.
- Testing:
 - All piping shall be pressure tested to a minimum of 30% above its working pressure for a minimum of two hours. Any piping component with a leak shall be fixed at the contractor’s expense.

RFP Schedule:

RFP Issued	March 18, 2016
RFP Questions Due	March 25, 2016
Proposals Due	March 29, 2016

Project Schedule:

- Below is the current proposed project schedule.
 - Fuel System Piping Installation: 04/11/16 to 04/22/16

Attachments:

- BHM fuel system drawings
- Photos of existing equipment available upon request.



Proposal Breakdown:

The fuel system contractor is to propose a contract amount based on the following breakdown:

Labor and Materials:	\$	<u>69,000⁰⁰</u>	*
Tax:	\$	<u>None</u>	
Total:	\$	<u>69,000⁰⁰</u>	*

This Bid submitted by:

Company Name: ILLINOIS OIL MKT. EG. INC.

Name (typed or printed): KEVIN LANE

Date: 3-28-16

All RFP correspondence and proposals shall be sent electronically to Jason Jackson at jjackson@bhmg.com per the scheduled dates above. Hard copies of the proposal are *not* required.

* This Assumes normal soil conditions. *
We Have included only minimal dewatering
AND soil stabilization, IN our proposal.