

## INVITATION TO BID

The Town of Newington will accept bids from experienced electrical contractors for the removal of the existing generator inside the building, and also supply and installation of a replacement generator for Fire Company One, located at 1485 Main Street in Newington. All bids must be submitted in accordance with Town specifications and on forms supplied by the Town. Bid forms and specifications are available in the office of the Town Manager, 131 Cedar Street, Newington, Connecticut and on line at the Town's website, [www.newingtonct.gov](http://www.newingtonct.gov), under Doing Business, Bid Opportunities. Bids will be received and read publicly at 2:30 p.m. on March 12, 2014 in the Town Manager's Office. The Town of Newington reserves the right to reject any or all bids.

John L. Salomone  
Town Manager

Bid No. 2, 2013-14

## TOWN OF NEWINGTON

### FIRE COMPANY ONE GENERATOR REPLACEMENT

#### BID SPECIFICATIONS

##### INTENT

It is the intent of these specifications to select an experienced electrical contractor to remove the existing emergency generator installed inside the building at Fire Company One, and to supply and install a replacement generator at that location. Fire Company One is located at 1485 Main Street in Newington.

##### BID PROCEDURES

All bids shall be submitted on forms provided by the Town of Newington and addressed to the Town Manager's Office, Town Hall, 131 Cedar Street, Newington, CT 06111. Bids will be opened publicly at 2:30 P.M. on March 12, 2014 in the Town Manager's Office. Bids shall be in sealed envelopes clearly labeled "Bid No. 2, 2013-14, Fire Company 1 Generator Replacement". The Town reserves the right to waive informalities or to reject any or all bids when such action is deemed in the best interests of the Town. The Town reserves the right to delete such items as it deems necessary from these proposals. All exceptions of the bidder to the terms and specifications of this bid shall be made in writing and submitted in full with the Bid Form. For all other terms and specifications, submission of a bid constitutes acceptance by the bidder. The Town reserves the sole right to reject bids that contain exceptions which are unacceptable to the Town. All unit prices bid shall be held firm until all work has been completed. All addenda will be posted on the Town's website, [www.newingtonct.gov](http://www.newingtonct.gov), under Doing Business, Bid Opportunities. Bidders are responsible for checking the website for the presence and content of any addenda.

##### TERMINATION

All work done as a result of this bid shall be completed to the satisfaction of the Town Manager. The Town reserves the right to terminate this agreement upon ten (10) calendar days written notice of failure by the Contractor to provide service to the satisfaction of the Town Manager.

##### NONDISCRIMINATION

The Contractor shall agree and warrant that it will not discriminate or permit discrimination against any person or group of persons on the grounds of sex, race, color, religion, age, marital status, ancestry, national origin, past history of mental disorder, mental retardation or physical disability or other basis in any manner prohibited by the laws of the United States, the State of Connecticut, or the Town of Newington.

### HOLD HARMLESS

The Contractor agrees to indemnify, defend and hold harmless the Town of Newington and its respective officers, employees, agents and/or servants against all demands, claims, actions or causes of actions, losses, damages, liabilities, costs and expenses, including without limitation, interest, penalties, court costs and reasonable attorney's fees, asserted against, resultant to, imposed upon or incurred by the Town of Newington resulting from or arising out of:

1. Any breach by the Contractor of the terms of the specifications, or
2. Any injuries (including death) sustained by or alleged to have been sustained by the officers, employees, agents and/or servants of the Town of Newington or the Contractor or subcontractors or material men, or
3. Any injuries (including death) sustained by or alleged to have been sustained by any member of the public or otherwise any or all persons, or
4. Any damage to property, real or personal, (including property of the Town of Newington or its respective officers, agents and servants)

caused in whole or in part by the acts or omissions of the Contractor, any subcontractor, or any material men or anyone directly or indirectly employed by them while engaged in the performance of any work for the Town of Newington.

### HAZARDOUS MATERIALS

The Contractor, when providing, using, storing, delivering or disposing of any toxic, hazardous or potentially dangerous materials, shall advise the Town, in writing, of the condition of such hazardous materials in advance of conducting any work and is responsible for protecting the Contractor's own employees, those of the Town, and all its' agents from the hazards associated with such materials. The Contractor shall furnish direction, precautions, or training, provided or made available from the supplier of the materials, or other acceptable source, for use by all persons who may be subject to the hazard. The Contractor shall comply with all applicable regulations and laws. The Contractor shall dispose of any hazardous or toxic substances in accordance with all applicable regulations or laws, including E.P.A. and D.O.T., and shall provide the Town with the appropriate generator E.P.A. number. The Contractor shall do all things necessary to insure that there will be no discharge, spillage, uncontrolled loss, seepage or filtration of any hazardous or toxic waste on the site caused by the Contractor's operations. The Contractor is responsible for any and all costs and liabilities associated with the clean up of any such spillage, etc., or as required by any regulating authority, and holds the Town harmless against any current or future liabilities resulting from such an incident.

INSURANCE

The successful bidder shall furnish a certificate of insurance to the Town Manager for the following insurance coverage within ten (10) days from contract execution. All insurance coverage shall be written with an insurance company licensed to conduct business in the State of Connecticut. Insurance coverage shall remain in full force for the duration of the contract term including any and all extensions. Such certificate of insurance shall specify that the Town of Newington will receive thirty (30) days notice of any cancellation, non-renewal or reduction in coverage and limits originally provided.

1. Commercial General Liability including Premises-Operations, Independent Contractors, Blanket Contractual, Products and Completed Operations:

\$1,000,000 Each Occurrence

\$1,000,000 Aggregate

Combined Single Limit for personal injury or property damage or both combined.

Property Damage Liability for the following hazards:

U – Underground Damage

Such policy shall name the Town as additional insured.

2. Comprehensive Automobile Liability covering owned, non-owned, hired or leased vehicles.

\$1,000,000 Each Accident

Combined Single Limit for bodily injury or property damage or both combined.

3. Workers Compensation Insurance in accordance with Connecticut State Statutes.

Employers Liability Limit - \$100,000.

PAYMENT

Payment for the work associated with this bid shall be made within thirty (30) days by the Town, following the completion of all work invoiced to the satisfaction of the Town

Manager and upon submission of an invoice to the Town of Newington Finance Department, 131 Cedar Street, Newington, CT 06111.

### PROTECTION

Precaution for the protection of persons and property must be exercised at all times. The safety provisions of applicable laws, as well as building, fire and construction codes, shall be observed at all times. The Contractor shall take such additional safety and health measures as are reasonably necessary. The Contractor shall be responsible for ensuring pedestrian and traffic safety in all work zones.

### STORAGE AND HANDLING

All materials and equipment shall be delivered, handled and stored in a manner which prevents the intrusion of foreign materials and damage by breakage or weather. Such storage, delivery, and handling shall not interfere with Town operations nor impede access to any public areas. All equipment shall be stored in a clean, dry location. Material which is damaged shall be replaced with new material at no additional cost to the Town.

### CLEANUP

Removal of material to be replaced is the responsibility of the Contractor. All accumulated rubbish and debris shall be removed daily from the job site and adjacent areas by the Contractor. Any such rubbish and debris shall not be placed in the Town's dumpster but shall be transported by the Contractor from the premises. All dumpster and trash disposal costs shall be included in the bid price. Any inflammable rubbish shall not be burned on the premises but shall be hauled away.

The work area(s) shall be left clean and ready for use by the Town. If the Contractor fails to properly clean up the job site the Town may do so or may hire another firm of its choosing to do so. In either case, the cost of such cleanup shall be charged to the Contractor.

### APPEARANCE

All work shall be performed in a workmanlike and professional manner and shall be left with a neat appearance. All disturbed areas shall be restored to their original condition. Any damage to a building resulting from this work shall be repaired by the Contractor at no additional cost to the Town. All preparation and installation shall be performed in conformance with manufacturer's guidelines and appropriate building and fire codes. All work shall be performed to the satisfaction of the Town Manager.

### QUALIFICATIONS

The Contractor shall have demonstrated experience by having been in business (as the same business with the same name as submitted on the Bid Form) for at least three (3) years and by having successfully completed at least three (3) similar projects, as

determined by the Town. If requested by the Town, the bidder shall provide a list of three similar projects, with telephone numbers and contact persons, prior to the award of this bid, and evidence of incorporation/business formation that will satisfy the requirements of this section. The Contractor and the Contractor's employees shall have the required background, license(s), technical knowledge, and equipment, labor force and satisfactory prior work history to perform this project in a satisfactory manner. Failure to meet the qualifications of this section alone is sufficient grounds for rejection of the bid by the Town.

### COMPLETION

All work shall be completed within ninety (90) calendar days following the issuance of a Town purchase order to the Contractor. Failure of the Contractor to start work within the ninety day period, or to prosecute the work in a continuous manner following the start of work, shall be grounds for termination of the contract by the Town.

### PERMITS

The Contractor and any subcontractors shall obtain a Building Permit from the Building Department, located in the Town Hall, prior to the start of any work. The Contractor and any subcontractors are also responsible for any other federal, state, regional or local permits and/or inspections required for installation.

### QUESTIONS

Appointments to examine the work site shall be arranged with Deputy Chief Jeff Trommer at [jtrommer@newingtonct.gov](mailto:jtrommer@newingtonct.gov) or by leaving a message at 860-667-5900 (bearing in mind that the Deputy Chief is a volunteer fire fighter). All questions regarding this bid shall be addressed to Deputy Chief Jeff Trommer.

### SCOPE OF WORK

The Contractor shall successfully complete the following:

1. Remove the existing 30 kw generator currently at Fire Company One
2. Supply and install one new 45 kw generator in the generator room
3. Supply and install one new 400 amp automatic transfer switch
4. Supply and install all piping and wiring from the transfer switch to the new generator
5. Replace the main feeder pipe from the main switch (due to corrosion)
6. Replace the existing main switch (due to corrosion)
7. Obtain all permits and complete all CL&P and/or CNG paperwork and requirements
8. Install a secondary transfer switch to serve as a backup, with exterior installation of tap box for feed from temporary generator.

## GENERATOR SPECIFICATION

The replacement generator installed shall be a new, natural gas generator, that is rated at 45 kw, 120/208 volt, 3 phase, 4 wire, 60 hertz, and 1800 rpm. It shall have an Environmental Protection Agency emissions certified engine with: an Underwriters Laboratory (UL)2200 listing; battery racks and cables; battery charging alternator; exhaust silencer with enclosure; stainless steel exhaust system; engine jacket water heater; engine mounted radiator and fan; vibration isolators; steel base and rails; 175 amp generator mainline circuit breaker, oil and coolant drains; and a warranty.

## DIGITAL CONTROL PANEL

The Contractor shall install a UL508 listed digital control panel system with a digital display, that shall include the following: adjustable cyclic cranking control; idle mode control; self-diagnostic for self test; separate control interface box; Run-Off-Auto switch; emergency stop switch; reset switch; and voltmeter/ammeter phase selector switch.

## DIGITAL READOUTS

There shall be digital readouts for: alternating current (AC) voltage, line to line; AC current, by phase; AC kilowatts; AC kilowatt hours; AC power factor; engine oil pressure; engine coolant temperature; engine oil temperature; engine rpm; direct current battery voltage; engine starts counter; engine run time; low oil pressure shut down and alarm; high engine temperature shutdown and alarm; low coolant level shutdown; over speed shutdown; failure to crank shutdown; oil pressure sender failure warning; water temperature sender failure warning; alternator over current warning; low engine temperature warning; engine overload warning; low fuel level warning; low battery voltage warning; high battery voltage warning; and weak battery warning.

## AUTOMATIC TRANSFER SWITCHES

The Contractor shall supply and install two (2) new automatic transfer switches, each of which shall be 400 amp, 3 pole, 208 volt, 3 phase, and 60 hertz, with a NEMA 1 enclosure. Each transfer switch shall have the following: adjustable under voltage sensors with dropout time delays; start contacts; control mode status indicators; solid state time delays; switch position lights; source available lights; and a 2 amp battery charger.

TOWN OF NEWINGTON

FIRE COMPANY ONE GENERATOR REPLACEMENT

BID FORM

Town Manager  
131 Cedar Street  
Newington, CT 06111

BASE BID

In accordance with the specifications, the undersigned submits the following bid to supply and install a natural gas generator at Fire Company One, for the amount of:

\$ \_\_\_\_\_

ADD ALTERNATE ONE

A two year service contract, covering all recommended preventive maintenance, at:

\$ \_\_\_\_\_ per year, plus \$ \_\_\_\_\_ per hour for any repairs not covered by warranty.

The undersigned is submitting this bid without collusion with any other individual or corporation.

SUBMITTED FOR:

Firm \_\_\_\_\_

Address \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

SUBMITTED BY:

Signature \_\_\_\_\_ .

Name \_\_\_\_\_ .

Title \_\_\_\_\_ .

Telephone \_\_\_\_\_ .