

Request for Proposals

City of Portsmouth, New Hampshire

Annual Services Contract - Comprehensive Services for Emergency Generator Systems

RFP No. 14-12

City of Portsmouth Portsmouth, New Hampshire

Department of Public Works

"Annual Services Contract – Comprehensive Services for Emergency Generator Systems"

REQUEST FOR PROPOSAL

<u>Sealed</u> Request for Proposals, <u>plainly marked with</u> "Annual Services Contract – Comprehensive Services for Emergency Generator Systems for the City of Portsmouth, <u>RFP 14-12</u>" on <u>the outside of the mailing envelope as well as the sealed Non-Price Proposal & Price Proposal Envelopes</u>, addressed to the Finance/Purchasing Department, City Hall, 1 Junkins Avenue, Portsmouth, New Hampshire 03801, will be accepted until <u>2:30 p.m.</u> on December 7, 2011.

Site Visit: There will be a one time site visit for vendors who are interested in seeing the generators. Interested vendors are to meet at 10:30 a.m., November 23, 2011, in the Conference Room on the main floor at the partment of Public Works, 680 Peverly Hill Road, Portsmouth, NH. This visit will give vendors an opportunity to look at some of the larger generators. This visit is not mandatory, but it is the only time available to see the generators.

The City of Portsmouth Public Works Department is seeking Proposals from firms to provide comprehensive services for servicing Emergency Generator Systems throughout the City of Portsmouth. The purpose of this RFP is to contract for these services.

Five (5) copies of Proposals shall be submitted by the date and time as indicated above.

Specifications may be obtained from the City's web site:

http://www.cityofportsmouth.com/finance/purchasing.htm, by contacting the Finance/Purchasing Department on the third floor at the above address, or by calling the Purchasing Coordinator at 603-610-7227. Questions may be addressed to the Purchasing Coordinator. Addenda to this proposal document, if any, including written answers to questions, will be posted on the City of Portsmouth website under the project heading. Addenda will not be provided directly to bidders.

The City of Portsmouth reserves the right to reject any or all Proposals, to waive technical or legal deficiencies, and to accept any proposal that it may deem to be in the best interest of the City.

A. Purpose

The City of Portsmouth, New Hampshire seeks specific qualifications from interested firms that are capable of providing comprehensive services as part of an annual service contract for Emergency Generator Systems.

Each firm must submit a two-part Proposal, each being in its own sealed envelope, consisting of a "Price Proposal" and a "Non-Price Proposal".

B. Background

The **CITY OF PORTSMOUTH** operates and maintains a total of 35 emergency generator systems. These systems are located as follows:

Department of Public Works Facility, City Hall, Central Fire Station, Fire Station No.2, Portsmouth High School, Police Station Garage, High/Hanover Parking Garage, Peirce Island Wastewater Treatment Facility, Pease Wastewater Treatment Facility, at sixteen wastewater pump stations throughout the City, Portsmouth Water Treatment Plant in Madbury, Newington Booster Pump Station, Collins Well, Havens Well, Greenland Well, and Portsmouth Well No.1.

The attached Table 1 indicates the Emergency Generator System locations that will be part of this Services Contract. A summary of each system is also attached indicating the specifics of each emergency generator system including size, manufacturer and operating fuel system.

C. <u>Description of the Contract Services Firm Procurement Process</u>

a) General

The process for procurement of Services will proceed in two stages. Each firm must submit a two-part Proposal, each being in its own sealed envelope, consisting of a "Price Proposal" and a "Non-Price Proposal".

b) Delivery of Proposals

When sent by mail, the sealed Proposal shall be addressed to the Owner at the address and in the care of the official in whose office the Proposals are to be received. All Proposals shall be filed prior to the time and at the place specified in the Invitation for Proposals. The Proposal shall include the Price Proposal in a separate sealed envelope. The Price Proposal portion shall not be opened until after the selection committee concludes the preliminary selection process. Proposals received after the time for opening of the Proposals will be returned to the firm, unopened. Faxed Proposals are NOT ACCEPTABLE.

c) Submission of Written Qualifications

The selection committee will review and evaluate the written responses to the Request for Proposal (RFP). Firms making proposals must respond in writing to all requirements of this RFP. Responses should reflect detailed considerations of the issues and opportunities presented by this specific project. Any additional information that is felt to be relevant by the proposing firm should be included after required components of the proposal described in paragraph g.

Firms with no prior experience and submittals that do not meet the minimum requirements will not be considered.

The Price Portion of the selected firm(s) will be opened once two or three firms have been short-listed and prior to the oral interviews if any.

d) Oral Interview

The selection committee <u>may</u>, at its discretion, select a minimum of one and no more than three qualified firms to proceed to the competitive oral interview stage of the procurement process. Each of the selected qualified firms will participate in a detailed oral interview to more fully discuss their approach to this project and to answer questions posed by the selection committee.

e) Selection

The top ranking candidate will be invited to negotiate a Contract with the City of Portsmouth. Should the City and the top ranked firm not be able to reach an agreement, the City will then negotiate with the second-highest ranked firm. The City reserves the right to discontinue the selection process at any time prior to execution of the contract. There will be no reimbursement to any firm for the cost of proposal preparation. The Contract shall include among other items a requirement that the firm carry certain insurance policies naming the City as an "additional insured".

f) Proposal Evaluation

The City reserves the exclusive right to select or reject the firm(s) that it deems to be in the best interest to accomplish the project specified herein. Factors integral to the evaluation process, including:

i) The firm's ability, capacity, and skill to perform within the specified time limits. The firm shall have experience and capabilities for municipal facilities and wastewater and water applications in the electrical and mechanical disciplines. The firm's experience, reputation, efficiency, judgment and integrity. The firm shall have prior experience with municipal facilities and wastewater and water application systems.

- ii) The quality and availability of supplies and materials that the firm has access to for maintenance and repairs to the City's equipment.
- iii) Firm's prior performance. The firm shall demonstrate that they have been involved in emergency generator service work for a minimum of five (5) years in municipal facilities and wastewater and water applications similar in size and complexity to the City of Portsmouth. Please provide at least three (3) reference contact names and phone numbers.
- iv) Sufficiency of firm's financial resources to fulfill the Contract.
- v) Other applicable factors as the City determines necessary or appropriate.
- vi) Firm's Proposal has been prepared in accordance with the instructions of the RFP.
- viii) Proposed schedule and scope of work.

ix) Price

The City reserves the right to undertake such investigation of the firm's qualifications and references as it deems necessary to determine the firm's ranking. The firm may be requested to provide additional information as part of the interview process. Failure to provide additional information and to execute any releases requested for reference checks may result in disqualification.

g) Request For Proposals – Minimum Requirements

Submittals at a minimum shall consist of the following:

i) <u>Description of Firm</u>

Brief description of the firm including location of corporate headquarters and potential satellite office proposed to handle this project.

ii) Statement of Project Requirements

Statement in succinct terms the firm's understanding of what is required by this Request for Proposal.

iii) Scope of Services

Describe in narrative form the firm's approach and technical plan for accomplishing the work listed herein. Provide a discussion of how the firm will assure adequate and timely completion of this project. A description of the firm overall capability and assurance that it can meet its' commitment to successfully complete this project.

iv) Team

Provide the names, with their resumes, of all members of the team. Each team member's experience, background and special skills shall be included. The team leader(s) should be designated.

v) Relevant Experience

Provide the details of experience and past performance of the firm on comparable projects for other communities. This item should cover, at a minimum, the substantive nature of comparable projects. Contract firms are required to give sufficient information of their experiences to permit the City to understand and verify the exact nature of the contributions made by the consultant to the projects listed.

vi) Work Schedule

Provide a work schedule as part of the annual Services Contract.

vii) References

Provide the name, title, locations and telephone number of persons who can substantiate the firm's referenced experiences. Contractor shall supply executed releases, see Appendix A, for all references.

viii) Costs

Costs shall be submitted as part of the SCHEDULE OF PRICES listed in the Price Proposal Form. In addition, the Firm shall include their standard rate schedule for work beyond the proposed scope outlined within this RFP.

D. Site Visitation and Additional Information

Site Visit: There will be a one time site visit for vendors who are interested in seeing the generators. Interested firms are to meet at 10:30 a.m., November 23, 2011 in the Conference Room on the main floor at the Department of Public Works, 680 Peverly Hill Road, Portsmouth, NH. This visit will give vendors an opportunity to look at some of the larger generators. This visit is not mandatory, but it is the only time available to see the generators.

All prospective firms may contact the Chief Water Plant Operator Mr. Steve Scotton at the Portsmouth Water Treatment Plant in Madbury, New Hampshire at (603) 516-8360, Ms. Paula Anania, Chief Wastewater Plant Operator at (603) 427-1553, Mr. Everett Kern, Public Works General Foreman, at (603) 766-1428, or Ken Linchey (603) 431-5080 Ext. 251, at the School Department for additional information. Prospective firms may also contact Mr. Peter Rice, City Engineer at (603) 766-1416 for additional information.

All questions must be received no later than 4:00 p.m., December 1, 2011. If necessary an addendum will be posted on the City's website by the end of the business day on December 5, 2011.

Scope of Services

The selected firm shall provide scheduled emergency generator system service, one visit per year per emergency generator system. The services shall follow the guidelines as outlined in the manufacturer's Operation and Maintenance Manual. The manual for each emergency generator system shall be provided to the selected firm. Only parts and lubricants as recommended by the manufacturer of the individual emergency generator systems shall be installed/provided.

Work shall be performed during normal business hours and shall include the following work:

- 1. Replace lube oil annually (waste oil legally disposed).
- 2. Replace lube oil filter(s) annually (filter legally disposed).
- 3. Replace fuel filter(s)annually.
- 4. Replace coolant filter(s) annually.
- 5. Service/clean air filter(s) as required.
- 6. Check entire unit for fuel, oil and water leakage.
- 7. Perform air inlet restriction test on all diesel units.
- 8. Check coolant level, condition of coolant, protection rating and perform pressure test (coolant legally disposed). Add engine coolant anti-freeze if low up to one gallon. Additional requirements for anti-freeze shall be invoiced to the City at normal billing rates. Check engine radiator for leakage.
- 9. Inspect/adjust hoses, belts, and linkages.
- 10. On diesel engines, inspect injection system and fuel lines.
- 11. On gas and liquid propane engines, inspect complete ignition system, check timing, spark plug wires and replace points, condenser and spark plugs.
- 12. Check and adjust fan and governor belts.
- 13. Check engine heater operation.
- 14. Inspect fuel supply system including piping, solenoid valve and transfer tank where applicable.
- 15. Inspect exhaust system and drain condensation if system has drain provision.
- 16. Check battery charger operation and charge rate. Check battery charging generator brushes and starter motor brushes.
- 17. Check AC generator brushes for proper setting and wear.
- 18. Check DC generator brushes for proper setting and wear.
- 19. Clean collector rings and communitator.
- 20. Clean static exciter.
- 21. Check battery electrolyte levels and specific gravity, clean terminals as needed, spray terminals with corrosion proof solvents.
- 22. Check all engine and generator shutdown and alarm systems.
- 23. Adjust output voltage and frequency as required.
- 24. Confirm proper operation of all engine gauges and AC metering.

- 25. Conduct a safety shutdown check including, where applicable, voltage, frequency, instruments and adjusting carburetor and governor.
- 26. After notifying the City of Portsmouth, operator transfer switch(es) and confirm proper operation of all timers and accessories. This shall include, where applicable, contacts, trickle charger, voltage at contactor, phase protection relays, start relay and exercise clock operation.
- 27. Inspect transfer switch main contacts.
- 28. Operate unit under available connected load for duration required to evaluate operation of system.
- 29. Check all remote annuciators and alarms.
- 30. Instruct the City of Portsmouth's personnel on the operation and regular inspection of the equipment. The selected firm shall provide the City with a weekly maintenance checklist. The weekly inspection form shall be maintained in the maintenance log book to be left at the unit.
- 31. Prepare report on each service visit to be signed by the City of Portsmouth's representative with a copy in a maintenance log book to be left at the unit. The report shall include recommendations for repairs that should be performed to the emergency generator systems. Price quotations shall be provided within seven (7) days following the report for the selected firm to provide labor and parts for these recommended repair services.
- 32. Perform repair services including installation of additional parts not listed above on a normal notification or emergency basis. All such additional repair services shall be billed at the hourly unit price as indicated in the fee section of this Proposal. All parts shall be billed at current prices.
- 33. Inspect all electronic modules and control boards.
- 34. Other service work as deemed necessary by the Service Consultant.

NOTE: Contractor shall invoice the City of Portsmouth describing the work performed on each generator. The invoice shall be specific for each facility worked on. This method of invoicing is necessary as part of the City's accounting system.

F. Insurance

General

The successful firm shall be required to purchase and maintain, for the duration of this Contract, insurance of the limits and types specified below from an insurance company approved by the City.

Additionally Insured

All liability policies shall include the City of Portsmouth, NH as named "Additional Insured".

1. The insurance shall be primary in the event of a loss.

2. The additional insured endorsement must include language specifically stating that the entity is to be covered for all activities performed by, or on behalf of, the Consultant.

Evidence of Insurance

As evidence of insurance coverage, the Owner may, in lieu of actual policies, accept official written statements from the insurance companies certifying that all the insurance policies specified below are in force for the specific period. The firm shall submit evidence of insurance to the Owner at the time of execution of the Agreement. Written notice shall be given to the City of Portsmouth, NH at least fifteen (15) days prior to the cancellation or non-renewal of such coverage.

Forms of Insurance

Insurance shall be in such form as will protect the firm from all claims and liabilities for damages for bodily injury, including accidental death, and for property damage, which may arise from operations under this Contract whether such operation by himself or by anyone directly or indirectly employed by him.

Amounts of Insurance

Comprehensive General Liability:
Bodily Injury or Property Damage - \$1,000,000/\$2,000,000
Single Occurrence/aggregate
Automobile and Truck Liability:
Bodily Injury or Property Damage - \$1,000,000

Additionally, the firm shall maintain Workers Comprehensive Insurance coverage for all people employed by the firm to perform work on this project. This insurance shall be in accordance with the requirements of the most current laws of the State.

PRICE PROPOSAL FORM To be placed in a separate sealed envelope)

Part A - SCHEDULE OF PRICES

NOTE: This Proposal shall be filled in by the **CONTRACT SERVICES FIRM** with the prices written in both words and numerals and the extensions made by him/her. In case of discrepancy between words and numerals, the **amount shown in words shall govern**.

CONTRACT SERVICES FIRM agrees to perform all the necessary labor and do all work described in the Scope of Services, for the following lump sum prices and/or unit prices:

Project involving Contract Services to the **CITY OF PORTSMOUTH's** Public Works Department in accordance with specifications, the following:

Item No.	Item Description and Unit Price in Words			
1	Wastewater Dept. – Tucker's Cove Pump Station Annual Contract for Planned Servicing, inspection, testing Emergency Generator Systems for the Department at	and	report	of
	per lump sum \$ Price in Words Price in Figures			
2	Wastewater Dept. – Heritage Road Pump Station Annual Contract for Planned Servicing, inspection, testing Emergency Generator Systems for the Department at	and	report	of
	per lump sum \$ Price in Words Price in Figures			
3	Wastewater Dept. – Lafayette Road Pump Station Annual Contract for Planned Servicing, inspection, testing Emergency Generator Systems for the Department at	and	report	of
	per lump sum \$			
	Price in Words Price in Figures			

4	Wastewater Dept. – Marcy Street Pump Station Annual Contract for Planned Servicing, inspection, testing and report of Emergency Generator Systems for the Department at
	Price inWords per lump sum \$ Price in Figures
5	Wastewater Dept. – Woodlands 1 Pump Station
3	Annual Contract for Planned Servicing, inspection, testing and report of Emergency Generator Systems for the Department at
	per lump sum \$
	Price in Words Price in Figures
6	Wastewater Dept. – Woodlands 2 Pump Station
	Annual Contract for Planned Servicing, inspection, testing and report of Emergency Generator Systems for the Department at
	per lump sum \$
	Price in Words Price in Figures
7	Wastewater Dept. – Rye Line Pump Station Annual Contract for Planned Servicing, inspection, testing and report of Emergency Generator Systems for the Department at
	per lump sum \$
	Price in Words Price in Figures
8	Wastewater Dept. – Constitution Avenue Pump Station Annual Contract for Planned Servicing, inspection, testing and report of
	Emergency Generator Systems for the Department at
	Emergency Generator Systems for the Department at
9	Emergency Generator Systems for the Department at per lump sum \$
9	Emergency Generator Systems for the Department at per lump sum \$ Price in Words Price in Figures Wastewater Dept. – West Road Pump Station Annual Contract for Planned Servicing, inspection, testing and report of Emergency Generator Systems for the Department at
9	Emergency Generator Systems for the Department at per lump sum \$ Price in Words Price in Figures Wastewater Dept. – West Road Pump Station Annual Contract for Planned Servicing, inspection, testing and report of
10	Emergency Generator Systems for the Department at per lump sum \$ Price in Words Price in Figures Wastewater Dept. – West Road Pump Station Annual Contract for Planned Servicing, inspection, testing and report of Emergency Generator Systems for the Department at per lump sum \$
	Emergency Generator Systems for the Department at per lump sum \$ Price in Words Price in Figures Wastewater Dept. – West Road Pump Station Annual Contract for Planned Servicing, inspection, testing and report of Emergency Generator Systems for the Department at per lump sum \$ Price in Words Price in Figures Wastewater Dept. – Griffin Park Pump Station Annual Contract for Planned Servicing, inspection, testing and report of

11	Wastewater Dept. – Leslie Drive Pump Station Annual Contract for Planned Servicing, inspection, testing and report of Emergency Generator Systems for the Department at
	per lump sum \$ Price in Words Price in Figures
12	Wastewater Dept. – Gosling Road Pump Station Annual Contract for Planned Servicing, inspection, testing and report of Emergency Generator Systems for the Department at
	per lump sum \$ Price in Words Price in Figures
13	Wastewater Dept. – Atlantic Heights Pump Station Annual Contract for Planned Servicing, inspection, testing and report of Emergency Generator Systems for the Department at
	per lump sum \$ Price in Words Price in Figures
14	Wastewater Dept. – Pease Wastewater Treatment Facility Annual Contract for Planned Servicing, inspection, testing and report of Emergency Generator System for the Department at
	per lump sum \$ Price in Words Price in Figures
15	Wastewater Dept. – Peirce Island Wastewater Treatment Facility Annual Contract for Planned Servicing, inspection, testing and report of Emergency Generator Systems for the Department at
	per lump sum \$ Price in Words Price in Figures
16	Wastewater Dept. – Mechanic Street Pump Station Annual Contract for Planned Servicing, inspection, testing and report of Emergency Generator Systems for the Department at
	per lump sum \$ Price in Words Price in Figures
17	Wastewater Dept. – Deer Street Pumping Station Annual Contract for Planned Servicing, inspection, testing and report of Emergency Generator Systems for the Department at
	per lump sum \$ Price in Words Price in Figures

18	Wastewater Dept. – Corporate Drive Pump Station Annual Contract for Planned Servicing, inspection, testing and report of Emergency Generator Systems for the Department at
	per lump sum \$ Price in Words Price in Figures
19	Water Dept Water Treatment Plant, Madbury, NH Annual Contract for Planned Servicing, Inspection, testing and report of Emergency Generator System for the Department at
	per lump sum \$ Price in Words Price in Figures
20	Water Dept. – Newington Water Booster Station Annual Contract for Planned Servicing, inspection, testing and report of Emergency Generator System for the Department at
	per lump sum \$ Price in Words Price in Figures
21	Water Dept. – Collins Well Station Annual Contract for Planned Services, inspection, testing and report of Emergency Generator Systems for the Department at
	per lump sum \$ Price in Words Price in Figures
22	Water Dept. – Portsmouth Well No. 1 Station Annual Contract for Planned Services, inspection, testing and report of Emergency Generator Systems for the Department at
	per lump sum \$ Price in Words Price in Figures
23	Water Dept. – Greenland Well Station Annual Contract for back up direct drive motor maintenance only
	Price in Words per lump sum \$ Price in Figures
24	Dept. of Public Works – High-Hanover Parking Garage Annual Contract for Planned Servicing, inspection, testing and report of Emergency Generator System for the Department at
	per lump sum \$ Price in Words Price in Figures

25	Dept. Public Works – Police Station Annual Contract for Planned Servicing, inspection, testing and report Emergency Generator Systems for the Department at				
	Price in Words per lump sum \$ Price in Figures				
26	Dept. Public Works – Central Fire Station Annual Contract for Planned Servicing, inspection, testing and report of Emergency Generator Systems for the Department at				
	Price in Words per lump sum \$ Price in Figures				
27	Dept. Public Works – Public Works Facility Annual Contract for Planned Servicing, inspection, testing and report of Emergency Generator Systems for the Department at				
	Price in Words per lump sum \$ Price in Figures				
28	Dept. Public Works – City Hall Annual Contract for Planned Servicing, inspection, testing and report of Emergency Generator Systems for the Department at				
	per lump sum \$ Price in Words Price in Figures				
29	Dept. Public Works – Portsmouth High School Annual Contract for Planned Servicing, inspection, testing and report of Emergency Generator Systems for the Department at				
	per lump sum \$ Price in Words Price in Figures				
30	School Department – Dondero Elementary School Annual Contract for Planned Servicing, inspection, testing and report of Emergency Generator Systems for the Department at				
	Price in Words \$ Price in Figures				
31	Water Dept. –Madbury #3 Well Annual Contract for back up direct drive motor maintenance only				
	Price in Words \$ Price in Figures				

32	Water Dept. – Madbury #2 Well Annual Contract for back up direct drive motor maintenance only						
	per lump sum \$						
	Price in Words Price in Figures						
33	Dept. Public Works – Fire Station # 2 Annual Contract for Planned Servicing, inspection, testing and report of Emergency Generator Systems for the Department at						
	per lump sum \$						
	Price in Words Price in Figures						
34	Water Dept. – Haven Well Station Annual Contract for Planned Services, inspection, testing and report of Emergency Generator Systems for the Department at						
	per lump sum \$						
	Price in Words Price in Figures						
35	Water Dept. –Pease Water Plant Annual Contract for Planned Servicing, inspection, testing and report of Emergency Generator Systems for the Department at						
	per lump sum \$ Price in Words Price in Figures						

TOTAL PROPOSAL PRICE (Lump Sum of Parts 1 through 35) \$

\$	
per lump sum	\$

The unit prices listed above shall be paid for actual quantities supplied in accordance with the applicable specifications within the various categories shown and shall be good for one year with renewable annual contracts up to two (2) additional years. The renewable contracts shall be adjusted to account for inflation in accordance with standard cost index increase. The prices as shown shall include all costs associated with performing the various items of work as outlined in this RFP. No additional payment beyond the unit price shall be made for work for the items listed above.

It is the intent to award all parts to the same contract services firm. The City may reject any or all Proposals for any reason deemed to be against its best interest.

Additional work shall be provided on the hourly rate set forth below for additional work and emergency services. Additional and emergency work shall be performed between normal working hours of 7:00 am and 3:30 pm Monday to Friday, excluding holidays. Emergency service required during other than normal working hours will be invoiced at 1½ times the normal rate as quoted below, Except Sundays and holidays when twice the hourly rate as quoted below will be invoiced. The additional work shall be either prearranged or will be on an emergency basis. The requested work may include rebuilding or overhaul work of the emergency generator systems. The firm shall be available on a 24 hour per day, 7 days per week basis with a response within 2 hours to call to a single telephone number for servicing all Emergency Generator Systems. The normal hourly billing rate shall be as presented in the rate schedule provided by the Contracting Firm as part of this Proposal.

Hourly Rate:	\$
Rate in Words	Rate in Figures
Part B - Proposal Conditions	
The Contract Services Firm understands that all Proposals and to waive any informalities i	
The Contract Services Firm agrees that th withdrawn for a period of sixty (60) calend receiving proposals.	
The full name of all persons and parties interare as follows:	rested in the foregoing Proposal as principals
Date:	

Future request for proposals may be sent electronically. Please provide an e-mail address for future request for proposal invitations. If there is no available e-mail address, please indicate as such.

Thank you in advance for your cooperation.

E-mail			
Address:			

APPENDIX A

RELEASE OF ALL CLAIMS FOR PURPOSE OF REFERENCE CHECK

TO:	
Name of Reference ("Reference")	
Name of Employer/Organization ("Entity"	")
Address	
Address	
On behalf of the undersigned Contra	actor I hereby agree to release and hold harmless the
above-named Reference and Entity	from any and all claims and causes of action
including without limitation actions	for defamation, slander or interference with
contractual relations for any stateme	ents made to the City during the course of the City's
investigation of Contractor's qualifie	cations.
Dated:	Contractor:
	By:
	Print Name:
	Title:

Attachment 1

City of Portsmouth Summary – Emergency Generator Systems

See attached plan for location

WW= WasteWater W= Water DPW= Dept of Public Works

Gen#	Location & Name	Dept.	Manu Engine	ıfacturer Generator	Fuel	Size of Gen.
1	Tucker's Cove	ww	Ford	Onan	Propane	40.34 kW
2	Heritage Road Pumping Station	WW	Ford	Onan	Diesel	30 kW
3	Lafayette Road Pumping Station	WW	Cummins	Onan	Diesel	230 kW
4	Marcy Street Pumping Station	WW	Ford	Onan	Nat.	20 kW
5	Woodlands 1 Pumping Station	WW	Chrysler	Onan	Propane	30 kW
6	Woodlands 2 Pumping Station	WW	Chrysler	Onan	Propane	30 kW
7	Rye Line Pumping Station	WW	Caterpillar	Caterpillar	Nat.	80 kW
8	Constitution Avenue Pumping Sta	WW	Ford	Ford	Propane	45 kW
9	West Road Pumping Station	WW	Ford	Onan	Propane	30 kW
10	Griffin Park Pumping Station	WW	Ford	Onan	Nat.	30 kW
11	Leslie Drive Pumping Station	WW	Ford	Onan	Propane	45 kW
12	Gosling Road Pumping Station	WW	Ford	Onan	Diesel	125kW
13	Atlantic Heights Pumping Station	WW	Ford	Onan	Propane	30 kW
14	Pease Wastewater Treatment Plant	WW	Caterpillar	Caterpillar	Diesel	250 kW

15	Peirce Island WWTP	WW	Caterpillar	Caterpillar	Diesel	750 kW
16	Mechanic Street Pumping Station	WW	Cummins	Onan	Diesel	750 kW
17	Deer Street Pumping Station	WW	Caterpillar	Caterpillar	Diesel	500 kW
18	Corporate Drive Pumping Station	WW	Caterpillar	Caterpillar	Nat.	100 kW
19	Madbury Water Treatment Plant	W	Caterpillar	Caterpillar	Diesel	750 kW
20	Newington Booster Station	W	New in 2000	New in 2000	Diesel	150 kW
21	Collins Well	W	Ford	Direct Drive Engine	Propane	5 kW
22	Portsmouth Well No. 1	W	Caterpillar	Caterpillar	Propane	75 kW
23	Water Department–Greenland Well Station. Stand-by direct drive motor for emergency well pumping.	W	Right Angle Drive Unit: Johnson Gear	Model #47639 Model #G2300X214	Propane	White 4 cylinder engine with PTO RPM: 1760
24	High/Hanover Parking Garage	DPW	Wisconsin	Katolight	Nat.	15 kW
25	Police Station Garage	Police	Komatsu	Onan	Diesel	60 kW
26	Central Fire Station	Fire	Ford	Onan	Nat. gas	225 kW
27	Public Works Facility	DPW	Cummings	Onan	Nat. gas	100 kW
28	City Hall	DPW	Cummins	Onan	Diesel	100 kW
29	Portsmouth High School	DPW	Caterpillar	Caterpillar	Diesel	1500 kW
30	Dondero Elementary School	School	Ford	Onan	Diesel	45kW
31	Madbury Well #3	W	Chrysler		Propane	
32	Madbury Well #2 Chrysler Marine 6 cylinder engine with PTO; Right Angle Drive Unit: Johnson Gear RPM: 1760	W	White 4 cylinder engine With PTO Model #G2300X214		Propane	
33	Fire Station # 2	Fire	Caterpillar Model G200LG2	Caterpillar	Diesel	25KVA

34	Haven Well	W	GM 8.1	Kohler	Propane	80kW
35	Pease Water Plant	W	John Deere	Kohler	Diesel	60kW