

CITY OF BRISTOL

INVITATION TO BID

Please quote us your prices on the commodities or services listed below. All prices must be FOB Destination. You must show Unit Price, Amount and Total or bid may be rejected.

<http://www.bristolct.gov/bids>

Since the City of Bristol is exempt from the payment of Federal Excise Taxes and the Connecticut Sales Tax, do not include such taxes. The City reserves the right to reject in whole or in part any or all bids submitted. The attached standard terms and conditions shall become a part of any resultant contract award.



Vendor Name _____
 Address _____
 City _____ State _____ Zip _____
 Telephone _____

Page 1 of 5

THIS IS NOT AN ORDER. Fill in and return to the address below.

ISSUED BY: City of Bristol, Connecticut		(Return Bid attention of) Roger D. Rousseau	BID NUMBER 2A11-024
ADDRESS 111 North Main Street Purchasing Department Bristol, CT 06010			DATE ISSUED August 12, 2010
SHIPPING ADDRESS (address for shipment of purchased materials) - same -		TELEPHONE NUMBER (860) 584-6195	DATE BID REQUIRED September 7, 2010 11:30 am
			DATE MATERIAL REQUIRED
ITEM NO.	DESCRIPTION	UNIT	QUANTITY
		To be Completed by bidder	
		Unit Price	Amount

Miscellaneous motor repair and machine shop services to be provided on an as needed basis for equipment owned and operated by the City of Bristol Water Pollution Control Facility, for the period through September 30, 2012 with option to renew for an additional one year term, in accordance with the following requirements.

The awarded contractor shall provide all labor, supervision, tools equipment, and supplies necessary to provide repairs to motors and pumps as outlined in this document, and shall also provide equipment predictive testing services as outlined in Attachment A. Please note that the intent of this contract is for ad-hoc repair services; the City reserves the right to competitively bid projects determined to be larger than the scope of services requested herein.

General Conditions:

All work performed and equipment used shall comply with all pertinent OSHA, Federal, State and local regulations. No tools or equipment shall be left unattended.

To be completed by bidder	QUOTE NO:	DATE SUBMITTED	DELIVERY AS REQ'D. (Unless noted here)		TOTAL
	SIGNED	TITLE	TELEPHONE NO. & EXTENSION	CASH DISCOUNT PAYMENT TERMS _____ % _____ days, net 30 days	
	VENDOR FEIN/SSN	ARE YOU INCORPORATED YES <input type="checkbox"/> NO <input type="checkbox"/>	PURCHASE ORDER ADDRESS (If different from bidder's address above)		

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The contractor shall clean up the premises as services are performed, removing waste, rubbish and spillages caused by its operations.

The contractor shall provide a complete written record of all maintenance work performed signed and accepted by WPC staff at the time services are rendered. A copy of such record shall be included with invoices for such services.

Vendor Requirements:

Bids shall include a statement outlining the bidder's quality control processes relative to this contract (e.g. ISO-9000 certification). Contractor must maintain a full service repair shop equipped to perform, static and dynamic motor and impellor balancing, motor rewind and vacuum pressure impregnation of windings, machining and metallizing, and all other tasks necessary to provide the professional services specified. Submittals shall include information on the location of the repair facility (i.e. proximity to Bristol); such information may be included as a separate attachment.

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Service Response Time:

- A. **Normal Service** will occur during the working hours of 8:00 a.m. and 4:30 p.m., Monday through Friday. Typically the City will transport malfunctioning equipment to the vendors shop. The vender will provide an approximate cost estimate of the necessary repair, as soon as possible and will begin repair of the equipment within 48 hours. Any additional problems found during the repair that may significantly change the estimated cost shall be reported to the WPC Staff immediately. Normal service shall be compensated at the regular time rates as submitted in this bid proposal.
- B. **Emergency Service** shall consist of a team of one or more service technicians that will begin work on the equipment within 8 hours of receiving the equipment. The City may require the use of vendor overtime to complete the repair and return the equipment as soon as possible. Any problems found during any emergency service visit must be brought to the immediate attention of WPC staff, and corrected as part of this contract.

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Emergency service shall be compensated at the regular time rates for work performed during the vendor's normal operating hours and at the overtime rate for work performed after hours as submitted in this bid proposal.

Pricing Schedule:

		UNIT	QUANTITY	Reg. Time	Off Hours
1.	Journeyman, rate per hour:			\$ _____	\$ _____
2.	Apprentice, rate per hour:			\$ _____	\$ _____
3.	Repair parts, plus _____ or minus _____ (check plus or minus) manufacturer's list price.			_____ %	
4.	Vibration analysis, two complete rounds for equipment as listed on Attachment A.	LS			\$ _____
5.	Infrared thermography of new and old electrical and mechanical systems as listed on Attachment A.	LS			\$ _____

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Please Note:

Responses to this Request For Quotation must be submitted in writing prior to the due date and time noted above, to the address noted above, as a sealed bid response. Responses received after the required due date and time will not be considered for award.

Faxed bid responses are Not Acceptable.

Bids must be enclosed in a sealed envelope, addressed to the City of Bristol and clearly identified as **“2A11-024 Miscellaneous Motor Repair and Machine Shop Services”**.

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RETURN THIS FORM IMMEDIATELY!

**City of Bristol, Connecticut
Acknowledgment: Receipt of Bid Documents**

Bid Number: 2A11-024

**Title: Miscellaneous Motor Repair and
Machine Shop Services**

Please take a moment to acknowledge receipt of the attached bid documents. Your compliance with this request will help us to maintain proper follow-up procedures while ensuring that all recipients have the opportunity to submit proposals.

Date Invitation to Bid was issued August 12, 2010

Date Invitation to Bid was received ____/____/____

Do you plan to submit a proposal? Yes____ No____

Print or type the following information:

Company name: _____

Address: _____

City or Town: _____

Phone: _____

Fax: _____

Email: _____

Received by: _____

Note: Faxed acknowledgments are requested!

Fax (860) 584-6171

A cover sheet is NOT necessary.

IMPORTANT: DO NOT FAX BIDS.

BIDS MUST BE SUBMITTED IN SEALED PACKAGES!



City of Bristol
BRISTOL, CONNECTICUT 06010

**Invitation to Bid 2A11-024
Attachment A
Equipment Predictive Testing Services – Vibration Analysis and Infrared Thermography**

SCOPE OF SERVICES:

The successful bidder shall provide predictive test analysis with full documentation including cause of problems and recommended repair to correct the cause of the problem.

The Contractor shall perform two complete rounds of vibration analysis, approximately one round every six months.

The Contractor shall perform infrared thermography testing of the Water Pollution Control Facilities annually.

The Contractor may be required to perform additional testing outside the normal frequencies including post repair testing of critical equipment. Such testing shall be performed at the hourly rate provided under this specification.

TEST EQUIPMENT:

- **Vibration Monitoring & Analysis** of rotating equipment for early detection, analysis and correction of detrimental forces due to mechanical, electrical or process related vibration problems using Emerson/CSI dual channel 2120 analyzers and RBMware analysis and reporting software, or system deemed by the City to be of equal or better quality.
- **Infrared Thermography** of new and old electrical and mechanical systems to verify condition and continued reliability using Flir PM 280 or P Series cameras and associated analysis and reporting software, or system deemed by the City to be of equal or better quality.

The successful vendor must use the above correlative testing and diagnostic technologies as required in order to accurately determine the overall health of machinery, as well as for determining the actual source of problems as they occur, providing comprehensive recommendations for correcting the problem.

CITY EQUIPMENT TO BE TESTED:

Vibration Analysis - Treatment Plant Equipment:

- 2 Grit Pumps (5 hp)
- 2 Centrifugal air blowers with two 350 HP motors (4 pieces of equipment)
- 2 Centrifugal air blowers with two 250 HP motors (4 pieces of equipment)
- 4 Screw Pumps (75 hp)
- 4 WAS Pumps (2 hp)
- 2 Thickened Sludge tank blower motors (40 hp)
- 2 Waste Activated Sludge tank blower motors (2 speed 83/125 hp)
- 3 Plant Water pumps (15 hp)
- 2 Dewatering pumps (7.5 hp)
- 2 Spray water pumps (10 hp)
- 3 Odor Control blowers and motors (25 hp, 25 hp, 15 hp)

Vibration Analysis - Remote Pump Stations:

All pump motors at seven of the City's remote pumping stations are to be tested, 17 motors. The remote stations include:

Broad Street	(4 motors)	(250 hp)
Cherry Hill Drive	(2 motors)	(10 hp)
Ivy Drive	(2 motors)	(5 hp)
Lake Avenue	(3 motors)	(100 hp, 100 hp, 15 hp)
Maheu Station	(2 motors)	(7.5 hp)
Matthews Street	(2 motors)	(25 hp)
Minor Street	(2 motors)	(40 hp)
Wooster Court	(2 motors)	(15 hp)
Julia Road	(2 motors)	(50 hp)

Infrared Thermography – Plant and Pump Station sites:

- Main Plant MCC
- Plant Sludge Dewatering MCC
- Air Blower terminal cabinet
- Ultraviolet Disinfection System cabinets (Control, two ballast cabinets per each of 4 units)
- Broad Street Pump Station - All control, VFD and motor component cabinets
- East Main Street pump station
- Cross Street pump station
- Lake Avenue pump station
- Middle Street pump station
- Julia Road Pump station

Where required, the contractor shall have the capability to perform critical equipment shaft alignment by means of a Laser Shaft Alignment using Pruftechnik's single beam Rotalign laser system, or system deemed by the City to be of equal or better quality.