

**Naugatuck Board of Education
Request for Proposals**

**ADDENDUM to Heating and Cooling Maintenance
Program, Contract 202307-03
August 15, 2023**

The following pages in the original contract have changed. All other pages and information remain the same.

Page 1 to show the corrected number of schools included in the program

Page 9 to show the corrected number of schools included in the program

Pages 10 through 18 to show the corrected equipment and schools in the program

Naugatuck Board of Education

Request for Proposals

Sealed Proposals will be received by the Business Manager, Naugatuck Board of Education, 497 Rubber Avenue, Naugatuck, CT for supplying the Naugatuck Board of Education with the following goods and/or services:

PROJECT:	Heating and Cooling Maintenance Program
CONTRACT:	202307-03
DESCRIPTION:	Provide heating and cooling maintenance program across nine schools 11/1/2023 through 10/31/2026

The information and Request for Proposal and related documents may be examined at the Naugatuck Board of Education, 497 Rubber Avenue, Naugatuck, CT 06770.

Copies of the specifications may be obtained at the Business Manager's Office. Specifications can also be obtained from the Naugatuck Board of Education website, <http://www.naugatuck.k12.ct.us> and the Borough of Naugatuck website, naugatuck-ct.gov

Addenda, if required, shall be posted on the <http://www.naugatuck.k12.ct.us> website. It is the bidder's responsibility to check the Board of Education website in advance of the bid opening to determine if any addenda have been issued.

Sealed proposals will be received by the Business Office, Naugatuck Board of Education, 497 Rubber Avenue, Naugatuck, CT 06770 until

DEADLINE:	Friday, September 8, 2023, 12 pm
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Immediately following, the bids will be publicly opened and read.

The Naugatuck Board of Education reserves the right to waive any informalities or to reject any or all proposals.

The Naugatuck Board of Education is an affirmative action/equal opportunity employer; MBE's, WBE's and SBE's are encouraged to apply.

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Attachment #1

CERTIFICATE OF NON-COLLUSION

The undersigned certifies under penalties of perjury that this bid or proposal has been made and submitted in good faith and without collusion or fraud with any other person.

As used in this certification, the word “person” shall mean any natural person, business, partnership, corporation, union, committee, club, or other organization, entity, or group of individuals.

Signature

_____/_____/_____
Date

Printed Name of Person Signing Proposal

Name of Business

Attachment #2
Scope of Work
Location: Naugatuck Public Schools, Naugatuck, CT

Equipment Listing

Naugatuck Public Schools - Heating and Cooling Maintenance Program					
Naugatuck High School					
UNIT ID	MAKE	MODEL	SERIAL #	TYPE	PER YEAR
B01	VISSMAN	CM2620	N/A	BOILER	1
B02	VISSMAN	CM2620	N/A	BOILER	1
B03	VISSMAN	CM2620	N/A	BOILER	1
B04	VISSMAN	CM2620	N/A	BOILER	1
B05	VISSMAN	CM2620	N/A	BOILER	1
B06	VISSMAN	CM2620	N/A	BOILER	1
BP01	TACO	F15007E2FCS1L0A	N/A	BOILER PUMP	1
BP01	TACO	F15007E2FCS1L0A	N/A	BOILER PUMP	1
HWLP 01	TACO	SD080080	N/A	LOOP PUMP	1
HWLP 02	TACO	SD080080	N/A	LOOP PUMP	1
CTP01	TACO	TACO	SD080080-4	PUMP	1
CTP02	TACO	TACO	SD080080-4	PUMP	1
CWP01	TACO	TACO	SD060060-4	PUMP	1
CWP02	TACO	TACO	SD060060-4	PUMP	1
H01	AQUAPLEX	50LX250A-PVIF	714138089	H2O HEAT	1
H02	AQUAPLEX	50LX250A-PVIF	N/A	H2O HEAT	1
CH01	MULTISTACK	MS50Z7H2W-V	N/A	CHILLER	3
CH02	MULTISTACK	MS050XC3H2W2AAC-R410	N/A	CHILLER	3
A1C01	N/A	N/A	N/A	AIR COMP	3
CT01	MARLEY	NC-802791-A1	NO8304F1GB05	TOWER	3
CT02	MARLEY	NC-802791-A1	NO8304F1GB05	TOWER	3
POOL B1	SMITH	SMITH	19HE-6-114642	BOILER	1

Hillside Intermediate School					
UNIT ID	MAKE	MODEL	SERIAL #	TYPE	PER YEAR
B01	SMITH	28A-10	N3-638	BOILER	1
B02	SMITH	28A-10	N3-638	BOILER	1
AIC01	N/A	N/A	N/A	AIR COMP	1
City Hill Middle School					
UNIT ID	MAKE	MODEL	SERIAL #	TYPE	PER YEAR
CH01	CARRIER	30HCV206RZ-640KA	0701F64418	CHILLER	3
B01	DE DIETRICH	GT413A	N/A	BOILER	1
B02	DE DIETRICH	GT413A	N/A	BOILER	1
B03	BURNHAM	V1113	648169680	BOILER	1
B04	BURNHAM	V1113	648169680	BOILER	1
AIC01	N/A	N/A	N/A	AIR COMP	1
AIC02	N/A	N/A	N/A	AIR COMP	1
AIC03	N/A	N/A	N/A	AIR COMP	1
CT01	BAC	33235-JN	V012969901	TOWER	3
Early Childhood Center at Central Avenue					
UNIT ID	MAKE	MODEL	SERIAL #	TYPE	PER YEAR
B01	BURNHAM	V111	N/A	BOILER	1
B02	BURNHAM	V111	N/A	BOILER	1
AIC01	N/A	N/A	N/A	N/A	1

Western Elementary School

UNIT ID	MAKE	MODEL	SERIAL #	TYPE	PER YEAR
B01	HB SMITH	28A-10	N2001-1154	BOILER	1
B02	HB SMITH	28A-10	N2001-1154	BOILER	1
B03	THERMAL SOLUTIONS	EVA0750BN1-UAA5	64902684	BOILER	1
AIC01	N/A	N/A	N/A	AIR COMP	1
AID01	N/A	N/A	N/A	AIR DRY	1

Salem Elementary School

UNIT ID	MAKE	MODEL	SERIAL #	TYPE	PER YEAR
B01	HB SMITH	28A-6	W2001-1237	BOILER	1
B02	HB SMITH	28A-6	W2001-1237	BOILER	1
AC01	mitsubishi	MSY-D36NA	N/A	SPLIT	1
AC01	mitsubishi	MSY-D36NA	N/A	SPLIT	1
AC01	mitsubishi	MSY-D36NA	N/A	SPLIT	1
AC01	mitsubishi	MSY-D36NA	N/A	SPLIT	1

Hop Brook Elementary School

UNIT ID	MAKE	MODEL	SERIAL #	TYPE	PER YEAR
B01	HB SMITH	28A-14	N92-200	BOILER	1
B02	HB SMITH	28A-14	N92-200	BOILER	1
B03 (little building)	N/A	N/A	N/A	BOILER	1
AC01	N/A	N/A	N/A	AIR COMP	1
AC UNIT Main Office / Library		TRANE	N/A	COND	1

Maple Hill Elementary School					
UNIT ID	MAKE	MODEL	SERIAL #	TYPE	PER YEAR
Hw001	BOCH	541EASME	16033365T	HW HEATER	1
B001	HB SMITH	28A-9	N881007	BOILER	1
B002	HB SMITH	28A-9	N881007	BOILER	1
AIC01	CURTIS	N/A	N/A	AIR COMP	1
Cross Street Intermediate School					
UNIT ID	MAKE	MODEL	SERIAL #	TYPE	PER YEAR
B01	BURNHAM	V111	N/A	BOILER	1
B02	BURNHAM	V111	N/A	BOILER	1
AIC01	N/A	N/A	N/A	AIR COMP	1

Naugatuck Public Schools - Heating and Cooling Maintenance Program

Heating and Cooling Maintenance Inspection Visit Cycle. Contract Nov 1, 2023 to October 31, 2024.

School visits for all locations will occur for each season during these dates:

2023-24	Naugatuck HS	City Hill Middle	Cross St Intermediate	Hillside Intermediate	Salem Elem	Western Elem	Maple Hill Elem	Hop Brook Elem	Central Ave/ ECC
Nov 1 to Jan 31 (Heating is first priority in first week of Nov)	Heating Inspections Cooling Inspections Water Treatment Boilers Water Treatment Chillers and Cooling Towers	Heating Inspections Cooling Inspections Water Treatment Boilers Water Treatment Chillers and Cooling Towers	Heating Inspections Water Treatment Boilers	Heating Inspections Water Treatment Boilers	Heating Inspections Cooling Inspections Water Treatment Boilers	Heating Inspections Water Treatment Boilers	Heating Inspections Water Treatment Boilers	Heating Inspections Water Treatment Boilers	Heating Inspections Water Treatment Boilers
Feb 1 to Apr 30	Water Treatment Boilers	Water Treatment Boilers	Water Treatment Boilers	Water Treatment Boilers	Water Treatment Boilers	Water Treatment Boilers	Water Treatment Boilers	Water Treatment Boilers	Water Treatment Boilers

2023-24	Naugatuck HS	City Hill Middle	Cross St Intermediate	Hillside Intermediate	Salem Elem	Western Elem	Maple Hill Elem	Hop Brook Elem	Central Ave/ECC
May 1 to Jul 31	Cooling Inspections Water Treatment Boilers Water Treatment Chillers and Cooling Towers	Cooling Inspections Water Treatment Boilers Water Treatment Chillers and Cooling Towers	Water Treatment Boilers	Water Treatment Boilers	Cooling Inspections Water Treatment Boilers	Water Treatment Boilers	Water Treatment Boilers	Water Treatment Boilers	Water Treatment Boilers
Aug 1 to Oct 31	Cooling Inspections Water Treatment Boilers Water Treatment Chillers and Cooling Towers	Cooling Inspections Water Treatment Boilers Water Treatment Chillers and Cooling Towers	Water Treatment Boilers	Water Treatment Boilers	Cooling Inspections Water Treatment Boilers	Water Treatment Boilers	Water Treatment Boilers	Water Treatment Boilers	Water Treatment Boilers

Boilers: 1x per year

Chillers and cooling towers: 3X per year

Air compressors and Dryers: 3X per year

Water Treatment:

Boilers: 4X per year

Chillers: 3X per year

Cooling Towers: 3X per year

Cooling Inspection and System Analysis: Naugatuck High School, City Hill Middle School, Salem Elementary

- All systems will be visually checked
- Change belts
- Check Levels
- Clean and inspect
- Inspect and lubricate per the manufacturer's specifications
- Punch tubes 1x per year (in the early Spring)
- Water chemical treatment 3X per year
- Log all operating conditions and provide report on system performance and any additional maintenance needed

Scheduled maintenance for Cooling Tower

- All systems will be visually checked
- Change oil in gear reducer
- Check and clean the strainers, bleed overflow and drain
- Check belts motor pulley and motor mounts
- Check motor operating conditions
- Check spray nozzles
- Check spray pump
- Inspect electrical connections, contactors, relays and controls
- Lubricate fan and motor bearings
- Optional: Drain auxiliary equipment that may freeze and chemical cleaning.
- Remove any debris from the unit and flush as required
- Water treatment
- Log all operating conditions and provide report on system performance and any additional maintenance needed

Heating Inspection and System Analysis: All schools

- All systems will be visually checked
- Check Levels
- Check nozzles and fuel filters
- Clean and inspect
- Inspect and lubricate per the manufacturer's specifications
- Water chemical treatment 4X per year

- Log all operating conditions and provide report on system performance and any additional maintenance needed

Scheduled maintenance for Hot Water Boiler

- All systems will be visually checked
- Brush and vacuum soot/dirt from flues and combustion chamber
- Check auxiliary equipment operation
- Check burner sequence of operation and combustion
- Check compression tank
- Check fuel piping for leaks and proper support
- Check fuel supply
- Check hand valves and feed equipment
- Check operating and safety controls
- Check system pressure
- Disassemble, inspect and clean low-water cut off
- Inspect boiler and burner and make adjustments as required
- Inspect burner, check and test controls
- Inspect firebrick and refractory for defects
- Inspect fireside of boiler and record the condition
- Perform combustion tests and adjust burner for maximum efficiency
- Review boiler operations with Maintenance supervisor
- Review manufacturer's recommendation for boiler and burner
- Review owners log and log all operating conditions
- Test low water cut off and pressure relief valve
- Visually inspect boiler vessel for leaks and record
- Log all operating conditions and provide report on system performance and any additional maintenance needed

Scheduled maintenance for Water Heater

- All systems will be visually checked
- Check all safety controls
- Check burner operation sequence
- Check flame sensor
- Check ignition control
- Check spray nozzles
- Tighten connections
- Visually check for leaks
- Log all operating conditions and provide report on system performance and any additional maintenance needed

Scheduled maintenance for Pumps

- All systems will be visually checked
- Check and clean strainers and check hand valves (as required)
- Check and record motor amp draw
- Inspect electrical connections and contactors
- Inspect mechanical seals or inspect pump packing
- Lubricate motor bearings per manufacturer's recommendations
- Lubricate pump bearings per manufacturer's recommendations
- Tighten all nuts and bolts and check motor mounts and pads
- Visually check pump alignment and coupling
- Log all operating conditions and provide report on system performance and any additional maintenance needed