

**NORTH PENN SCHOOL DISTRICT
401 EAST HANCOCK STREET
LANSDALE, PA. 19446-3960**

2019 BOILER CLEANING AND MAINTENANCE BID

The North Penn School District hereby solicits bids for boiler cleaning and maintenance in all North Penn School District buildings. All sealed bids are to be delivered to the North Penn School District, **401 East Hancock Street, Lansdale, PA 19446 by 2:00 pm on Tuesday April 23, 2019.** NOTE: All envelopes must be clearly marked - "**2019 Boiler Cleaning and Maintenance Bid**".

1.0 SCOPE OF WORK

Provide all labor, materials and equipment to clean and remove all soot, scale and slag from the boiler surfaces, fire tubes, floors and breaching including base of stacks on equipment at the locations identified in these specifications. The contractor shall also provide minimum patching and dressing repairs as defined in these specifications. The boilers will then be placed back in service.

Scheduling of the Nash Elementary scope of work shall be coordinated first, very early in the summer so as to not interfere with planned renovation activities scheduled in the boiler room this summer.

2.0 LOCAL CONDITIONS

It is advisable for contractors to inspect all equipment to be serviced in advance of submitting the bid. Inspection times can be set up by contacting the Bob Lanetti, Coordinator of Custodial/Maintenance at 215-853-1104.

3.0 LOCATIONS AND EQUIPMENT TO BE SERVICED

BRIDLE PATH ELEMENTARY SCHOOL 200 BRIDLE PATH ROAD (Montgomery Twp.) LANSDALE, PA 19446	2 - Burnham Boilers - 80 h.p. 1994
GWYN-NOR ELEMENTARY SCHOOL 139 EAST HANCOCK ROAD (U. Gwynedd Twp.) NORTH WALES, PA 19454	2 - Unilux - Model # ZF400W (109 BHP) 2003
GWYNEDD SQUARE ELEMENTARY SCHOOL 1641 SUPPLEE ROAD (U. Gwynedd Twp.) LANSDALE, PA 19446	2 - Burnham Boilers - 80 h.p. 1990
KNAPP ELEMENTARY SCHOOL 698 KNAPP ROAD (Lansdale Borough) LANSDALE, PA 19446	2 - Weil-McLain 88 Boilers 1999
A.M. KULP ELEMENTARY SCHOOL 801 COWPATH ROAD (Hatfield Twp.) HATFIELD, PA 19440	2 - H.B. Smith 28HE-12 Boilers 2009
GENERAL NASH ELEMENTARY SCHOOL 1560 LIBERTY BELL DR (Towamencin Twp.) HARLEYSVILLE, PA 19438	2 - Unilux - Model # ZF2500W (70 BHP) 2003
NORTH WALES ELEMENTARY SCHOOL 201 SUMMIT ST NORTH WALES, PA 19454	2 - Hurst/ICA Boilers - 80 h.p. 2010

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OAK PARK ELEMENTARY SCHOOL 500 SQUIRREL LANE (Hatfield Twp.) LANSDALE, PA 19446	2 - Weil-McLain H1388WF - 1996 I.C. - FPLG42 - burners - 1996
WALTON FARM ELEMENTARY SCHOOL 1610 ALLENTOWN ROAD (Towamencin Twp.) LANSDALE, PA 19446	2 - Burnham Boilers - 80 h.p. 1994
YORK AVENUE ELEMENTARY SCHOOL 700 YORK AVENUE (Lansdale Borough) LANSDALE, PA 19446	2 – H.B. Smith Cast Iron Boilers 2004
PENNBROOK MIDDLE SCHOOL 1201 EAST WALNUT STREET (U. Gwynedd Twp.) NORTH WALES, PA 19454	2 - Burnham Boilers - 125 h.p. 1991
PENNDALE MIDDLE SCHOOL 400 PENN STREET (Lansdale Borough) LANSDALE, PA 19446	1 - Burnham Boiler - 250 h.p. w/ Ray Burner - 1987 1 - Burnham Boiler - 250 h.p. w/ I.C burner - 1996
PENNFIELD MIDDLE SCHOOL 726 FORTY FOOT ROAD (Hatfield Twp.) HATFIELD, PA 19440	2 - Burnham Boilers - dual fuel 125 h.p. 1992
NORTH PENN HIGH SCHOOL 1340 VALLEY FORGE RD (Towamencin Twp.) LANSDALE, PA 19446	1 - Kewanee - 350 h.p. - 1981 1 – Burnham - 350 h.p. - 1994 2 – Superior – w/ICA burners – 1999 1 – Bryant Pool Heater - 2005

4.0 TECHNICAL SPECIFICATIONS

4.1 Each boiler must be shut down and isolated from building systems for a minimum of six hours to be sure all surfaces are cooled properly to perform work.

4.2 All soot, scale and slag shall be removed from boiler fire side heating surfaces, stack including bases, breaching, refractories and floors by wire brush, scraping and power vacuuming. All soot not completely dry shall be scraped and removed by hand from the refractory area. Any packaged boiler must have burner assembly removed so that the front of the boiler chamber can be cleaned and power vacuumed properly.

4.3 Upon completion of cleaning, the contractor shall provide dressing, repairs and patching of firebrick combustion chambers. Repairs and patching shall consist of replacement of loose brick within two rows of the top of firebrick walls, replacement of loose brick in refractory walls which are otherwise true and acceptable, re-coating of combustion chambers with high temperature coating to extend the life of the combustion chamber.

All repairs and dressing shall comply with Pennsylvania State boiler inspection standards, and all other applicable Federal, State and Local laws.

4.4 The contractor shall be responsible for all notification and documentation of all damage that is outside the scope of repair stated in section 4.3. Notification shall be to the following:

- 4.4.1 Written description of damaged area(s).
- 4.4.2 Written specification of the work needed to repair the damaged area(s).
- 4.4.3 Cost estimate(s) to perform the necessary work.

4.5 It shall be the responsibility of the contractor to provide protective covering for all burners, pumps, compressors and associated equipment while cleaning boilers, breaching and stacks.

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4.6 It shall be the responsibility of the contractor to check the proper operation of the low water cutoff, pressure relief valves, pump control and water feeder (if present).

4.7 It shall be the responsibility of the contractor to provide a schedule of cleaning, setting forth the start date of work and the order in which work will be completed. The contractor shall start with the cleaning of boilers at Knapp Elementary School so other related work can be completed following cleaning. The school district shall maintain the right to alter schedule to suit the needs of the district.

4.8 Fly ash, boiler soot and wastes are considered industrial wastes by the U.S. E.P.A. and by State Regulations and shall be disposed of by the contractor in a method approved by all regulatory agencies and in a proper and legal manner.

4.9 After all cleaning and inspections are complete and prior to closing the boiler, the contractor shall provide and install all new fireside gaskets for each boiler, including ceramic rope and ceramic fiber strip **as specified by each boiler manufacturer**. A representative of the school district shall examine and approve each boiler after cleaning and application of new gaskets prior to closing. The contractor shall notify the school district at least one day in advance of closing each boiler. **NO ASBESTOS CONTAINING MATERIALS SHALL BE USED.**

4.10 Boilers and systems shall be returned to operating condition. All valves closed during cleaning and maintenance shall be opened and boiler shall be run in the presence of the school district representative, who shall sign off that the work according to this specification has been completed to satisfaction.

4.10.1 All boiler rooms shall be left vacuum clean, and generally in as good condition as before the cleaning and maintenance work, or better.

5.0 START DATE AND COMPLETION

All work shall be scheduled to begin as soon as possible after notice is given to the contractor that his bid for all buildings was awarded, but not before June 17, 2019. All cleaning, minor repairs and boiler closure shall be completed by Friday, August 23, 2019.

Questions in regard to this quote can be directed to Scott Kennedy, Director of Facilities & Operations, 630 W. Eighth Street, Lansdale, Pa 19446, or 215-853-1140.

CLEARANCES: The successful Bidder must supply to North Penn School District documentation required by Act 34, Section III of the Public School Code (Criminal Record Check) and Act 151, Chapter 63 of 23 PA Consolidated Statutes (Pennsylvania Child Abuse History Clearance) and Act 114 (FBI Fingerprinting Clearances) before work on a project shall begin. These forms must be current for every worker on site at all times.

Contractor must enclose a copy of their current commercial liability insurance certificate with your proposal.

All bidders must complete the attached Non-Collusion Affidavit.

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BID PROPOSAL FORM
2019 BOILER CLEANING AND MAINTENANCE

Contractors are reminded to review all requirements in accordance with the general specifications and conditions as set forth on the cover sheets.

Please submit a price per school for annual boiler cleaning and maintenance:

BRIDLE PATH ELEM. SCHOOL.	\$ _____	NORTH WALES ELEM SCHOOL	\$ _____
GWYN-NOR ELEM. SCHOOL	\$ _____	OAK PARK ELEMENTARY SCHOOL	\$ _____
GWYNEDD SQ. ELEM.SCHOOL	\$ _____	WALTON FARM ELEM. SCHOOL	\$ _____
YORK AVENUE ELEM. SCHOOL	\$ _____	GENERAL NASH ELEM. SCHOOL	\$ _____
KNAPP ELEMENTARY SCHOOL	\$ _____	PENNBROOK MIDDLE SCHOOL	\$ _____
A.M. KULP ELEM SCHOOL	\$ _____	PENNDALE MIDDLE SCHOOL	\$ _____
PENNFIELD MIDDLE SCHOOL	\$ _____	NORTH PENN HIGH SCHOOL	\$ _____

TOTAL PROPOSAL (All Schools) \$ _____

 Name of Company

 Authorized Signature

 Date

 Street Address

 Title

 City State Zip Code

 Telephone Number Fax Number