

ATTACHMENT NO. X-C: Poplar Grove Boiler Replacement

Potential motion: Motion to approve the replacement boiler for Poplar Grove Elementary for \$44,775

Recommended action: Approve the motion

The heat exchanger on one of the two boilers went out at PGE. Two options were explored. Quotes were given for replacing the heat exchanger and for the cost of a new boiler. To date, three contractors have provided quotes. It is recommended that we approve the quote from Ceroni Piping Company to install a new boiler for \$44,775. The cost to replace the whole boiler is cheaper and provides a longer warranty than if only the heat exchanger were to be replaced. The new boiler meets the specs that are currently in place and can communicate with the second boiler that is currently running. This boiler is smaller and more efficient than the one that is being replaced. It also has a variable speed blower to maximize efficiency. The boiler has a ten-year warranty.



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9/16/2022

Poplar Grove Elementary School  
208 N State St,  
Poplar Grove, IL 61065

**Reference: Replace/repair existing Boiler**

Ceroni Piping Company would like to thank you for the opportunity of submitting a proposal on the above referenced project. The following scope of work is our interpretation of responsibility to this project. Please contact the undersigned with any questions of further clarifications required.

**Base Work option #1 replace boiler:**

- Demo existing boiler from building and discard
- Supply and install one new boiler BTUs to match existing boiler.
- Install piping from new boiler to the existing boiler piping system will be re-piped as required.
- Tie new boiler into existing gas supply line and re-use existing gas regulator.
- Supply and install new boiler flue pipes as needed, pipe will be tied into existing stacks.
- Re-use all existing valves, regulators, and pumps.
- Re-insulate water lines upon completion.
- Supply and install a new boiler pump to match existing boiler
- Startup of equipment after electrical is complete.
- Customer orientation of new boiler and maintenance training
- Do complete start up on boiler.

**Base Work option #2 replace heat exchanger:**

- Demo existing boiler heat exchanger and discard
- Disconnect all necessary electrical
- Remove all sensors save for reuse
- Disconnect all necessary boiler piping required to remove old heat exchanger
- Remove existing boiler heat exchanger
- Supply and install a new heat exchanger
- Reconnect all piping and electrical
- Reinstall sensors and gas valve assembly
- Start boiler analyze burner

**Assumptions & Clarifications:**

- All work to be completed on straight time (M-F 6:00-3:30). (Option #1 & 2)
- Boiler will set in old boiler locations, using the same housekeeping pad. (Option #1)
- We assume main pumps are still in good service, as well as all existing valves provide positive shutoff. (Option #1 & 2)
- Pricing is good for 30 days. (Option #1 & 2)
- System will be tied into existing controls system by owner (Option #1)
- Ceroni piping assumes the existing expansion tank will be reused (Option #1)
- Boiler has a 4–6-week lead time as of today lead times could change (Option #1)
- All existing control, piping, valves, and vent piping will be reused (Option #2)
- Heat exchanger lead times TBD once order is placed (Option #2)

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**Items not included:**

- Connections to any other equipment not identified.
- Overtime or premium time, bonds of any kind.
- PE stamped drawings.
- Engineering
- City permits if necessary.
- Boiler tied into the BAS system by others
- New electrical service of any kind.
- Pump work
- Sales tax if required

**Total Cost Option #1 \$44,775**

**Total Cost Option #2 \$45,317**

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Ceroni Piping Company

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Representative for Poplar Grove  
Elementary School

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Date Signed

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Date Signed

Sincerely,  
**CERONI PIPING COMPANY**