

Capital Project Request Form



Request Type:

Department: Date:

Title of Request:

Department Priority

Linked to another project?
 Yes
 No

Project Request is: New Estimated Useful Life:
 Replacement
 Modification

This is a limited field, please attach documents for more detail.

Description:

Basis of Cost: Quote Total Cost
 Bid
 Estimate

Revenue (if any) Net Cost

Will there be additional costs in future years to complete this project?

select one: Yes If yes, amount?
 No

Finance Dept: Account Sent to Dept:

Action:

Scope

City of Manitowoc

DPW hot water line project@ 2655 south 35th street.

Please provide a formal quote for the scope of work listed below.

Installation of 2 500,000 BTU 96% efficient natural gas fired boilers, include all necessary electrical, gas piping and venting out the roof.

- Install 2 100-gallon stainless steel insulated water reservoirs with all proper insulated piping
- Install boilers and supply reservoirs list above on provided Mechanical Mezzanine along south end of shop area @ the address listed.
- Install proper water line insulation on all 3" and 1" water lines to have heated water
- Install all necessary water piping and shut off valves for a boiler system bypass for the summer months
- Install a drop line in the 3" main water line before the boiler system by shop door B for filling sewer trucks. 3" water line must drop to within 3 feet of the shop floor with a ball valve type shut off.
- Include all necessary hydronic piping, domestic water piping, Valve controls and control wiring needed for a domestic hot water heating system capable of providing 720 gallons of 100-degree hot water or enough water to feed all 12 1' drop lines for a 20-minute duration.
- Include all line voltage wiring
- Include all local permits
- Include all labor and material needed to complete the entire project listed above.

Jeremy Walvoord

jwalvoord@manitowoc.org

920-374-0403



NEUMANN PLUMBING & HEATING, INC.
 1114 Millersville Avenue
 Howards Grove, WI 53083
 (920) 565-3345
 (920) 565-4181 (fax)
www.neumannplumbing.com

PROPOSAL NUMBER 816 (Revised)

DATE December 8, 2023

FOR City of Manitowoc

AT Department of Public Infrastructure
 2655 South 35th Street
 Manitowoc, WI 54220

PH J.J. Walvoord 920-374-0403

EM jwalvoord@manitowoc.org

HVAC Estimate

For the sum of \$65,800.00, sixty-five thousand eight hundred dollars, we propose to provide and install the following:

- 2-NTI, LX500WH, 500,000 BTU, 96% efficient boilers located up on mechanical mezzanine along southside of shop.
- 2-NTI, ST80, 80-gallon stainless steel storage tanks located up on mechanical mezzanine along southside of shop.
- All necessary boiler venting out through roof.
- All necessary gas piping to both new boilers.
- All necessary hydronic piping, domestic water piping, valves, controls and control wiring needed for a domestic hot water heating system capable of providing 720 gallons of hot water or enough hot water to wash 12 trucks at one time for 20 minutes.
- All necessary 3" water piping and valve needed for a cold-water drop needed for filling street cleaners and tankers and for a cold water by-pass for summer use.
- Excludes line voltage wiring.
- Excludes local permits.
- Above price includes all labor and material needed to complete installation.

Thank You,
 Rick Eggebeen

Terms of Proposal: Pricing is valid for 28 days. Payment terms are Net 30. A signed proposal received within 30 days will guarantee pricing for 60 days from date of this proposal. Progress payments, if requested, must be paid within these terms or work may be stopped. All signed Change Orders (signed by either the contractor or owner) referencing this proposal shall become a part of the contract made by the acceptance below.

NEUMANN PLB. & HTG. INC., SHALL HAVE THE RIGHT TO WITHDRAW THIS PROPOSAL AT ANY TIME PRIOR TO ACCEPTANCE. IT SHALL ALSO HAVE THE RIGHT TO CANCEL THE REMAINDER OF THIS CONTRACT UPON BUYER'S DEFAULT IN PAYMENT. A PAST DUE ACCOUNT SHALL HAVE A CARRYING CHARGE OF 1.5 PERCENT PER MONTH (18 % PER ANNUM), ON THE DECLINING UNPAID BALANCE UNTIL PAID IN FULL. ANY COLLECTION EXPENSES SHALL BE PAID BY THE DEBTOR. THIS CONTRACT MAY BECOME VOID IF NOT COMPLETED WITHIN SIX MONTHS.

**Acceptance I/we accept the above offer
 & accept the terms set forth herein.**

Signature _____ Date _____

PLEASE SIGN & RETURN ONE COPY

December 13, 2023

Manitowoc DPW
2655 South 35th Street
Manitowoc, WI 54220

Attn: Jeremy Walvoord
RE: Plow Truck Wash Station Heaters

Dear Mr. Walvoord:

Please find below our proposal to provide heated water for the twelve 1" wash stations. We have matched the 1 million BTU input and included 60 more gallons of storage than what was discussed. Our solution can provide up to 20 gallons of hot water per minute, with 260 gallons of stored hot water. Neither we or our vendors believe that with (2) 500 MBH boilers and 200 gallons of storage any more hot water can be provided. We are also including a saltless water conditioner to protect the water heaters from hard water scaling.

We also strongly recommend installing a recirc line and pump from the tanks to the end of the 3" loop. Without this, the 3" water main would need to dump all of its water prior to becoming hot. Adding the circulation loop would keep this main hot.

Our Not to exceed cost is: \$97,500.00 (Ninety-Seven Thousand Five Hundred Dollars)

ADD \$3,600: 1" Insulated copper recirculation line and pump to the end of the loop

\$101,100

Our plumbing proposal includes:

- Connect to the existing cold-water system using 3" 304SS SCH10 pipe with welded fittings and install summer time bypass.
- Install a 3" cold water drop with cam lock fitting for sewer trucks.
- Provide and install (1) AquaREX WK3 Water Conditioner for scale protection.
- Provide and install 2" natural gas piping and regulators.
- Provide and install (2) PVI Conquest 500 MBH 130 Gallon Stainless Water Heaters. Heaters to be installed on owner supplied platform. Each tank to have isolation valves on inlet and outlet
- Provide and install 4" PVC intake and exhaust through the sidewall of the building.
- (2) Thermometers
- Pipe insulation and labels
- Provide and install the plumbing fixtures as specified.
- Lift rental
- \$3,500 Electrical Budget

December 13, 2023

Our proposal does not include:

- Manitowoc Permitting
- Sales Tax
- Overtime or shift premiums
- Pipe painting
- Temporary water connections
- Structural engineering or structural work
- Equipment Pads

Our standard payment terms are net 30 days. Interest will be charged on past due accounts at 1.5% per month. Due to the volatility of material pricing and fuel surcharges, all pricing is guaranteed firm for 10 days only.

By submission of its bid, Aldag/Honold Mechanical, Inc. reserves the right to negotiate mutually acceptable contract terms, including review of any applicable prime contract provisions, upon award of the work.

Acceptance of any proposal will be based upon receipt of a signed copy of this proposal or a written purchase order. Work will not commence prior to receipt of written authorization as stated above.

Projects may be progress billed.

Thank you for the opportunity to submit this proposal. Please contact me with any questions.

Respectfully submitted,

Andy Williams



Andy Williams
Aldag/Honold Mechanical, Inc.
Plumbing/Piping Project Manager
Andy_W@AldagHonold.com

MARITIME PLUMBING

Estimate

AND MECHANICAL
a division of Schaus Mechanical

2214 Franklin St. Manitowoc, WI 54220
(920) 682-8794 info@maritimepm.com

Date	Estimate #
11/28/2023	1552MP

Bill To
DPW 2655 S 35th St Manitowoc WI 54220

Deposit Encl	
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P.O. No.	
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Description	Quantity	Rate	Amount
Quote to install hot water heating system Includes labor and material to install the following Water Heater: (2) Lochinvar AWH0500NPM UPSIZED PUMP Up to 99% Thermal Efficiency *Energy Star Modulating Firing up to 10:1 Turndown Smart Touch LCD Operating Control 400MBH, 479GPH @ 100°F Temperature Rise Remote Tank Thermostat Adjustable High Limit w/Manual Reset ASME Stainless Steel Heat Exchanger Direct Spark Ignition All Bronze / SS Circulating Pump 4" Venting up to 150' (by others) Inlet & Outlet Temperature Sensors Common Venting Options* CON-X-US Remote Connect, Standard ASME "HLW" Stamped Low Gas Pressure Operation 160psi Working Pressure ASME 150psi T&P Relief Valve Gasketless Heat Exchanger Design Flow Switch/Low Water Safety Building Management System 0-10vdc Low NOx Operation Password Security Pump Relay w/Freeze Protection 5yr/1yr Warranty *VENT DAMPERS AVAILABLE FOR COMMON VENTING MULTIPLE UNITS (2) Condensate Neutralizers Storage Tank: (1) Lochinvar RGA0318 318Gal, ASME, 125psi, Glass Lined, We look forward to working with you!	1	67,100.00	67,100.00

This Estimate is valid for 10 days. The Estimate is subject to change if adjustments are necessary or requested by the customer and/or the contractor. Please sign and return the document to accept the terms and schedule the project listed above.

Total



Signature

MARITIME PLUMBING

AND MECHANICAL
a division of Schaus Mechanical

2214 Franklin St. Manitowoc, WI 54220
(920) 682-8794 info@maritimepm.com

Estimate

Date	Estimate #
11/28/2023	1552MP

Bill To
DPW 2655 S 35th St Manitowoc WI 54220

Deposit Encl	
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P.O. No.	
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Description	Quantity	Rate	Amount
Jacketed, Vertical, 12x16 Manway, 40" Diam. A&B Conn. 3" Flanged, 5yr Warranty Temp. Pres. Relief Valve (1) Lochinvar 100277820 1" X 1" X 5", 3,070,000 ASME Rated 125# Expansion Tank – ET-1: (1) Flexcon WHV-120 150psi, 32/14.4Gal., 1" SS Conn., 1yr warranty			

We look forward to working with you!

This Estimate is valid for 10 days. The Estimate is subject to change if adjustments are necessary or requested by the customer and/or the contractor. Please sign and return the document to accept the terms and schedule the project listed above.

Total



Signature

MARITIME PLUMBING

AND MECHANICAL

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2214 Franklin St. Manitowoc, WI 54220
(920) 682-8794 info@maritimepm.com

Estimate

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P.O. No.	
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Description	Quantity	Rate	Amount
<p>12 Hoses @ 8 GPM = 96GPM X 15Min = 1,440Gal 100° F Rise / 60°F Rise = X 1.67 1 - AWH0500NPM = 600 GPH @ 100°F Rise 600GPH X 1.67 = 1,002GPH @ 60°F Rise (100°F) 1 - RGA0318VCP = 318 X 80% = 254.4Gal (254Gal) @ Design Temp. 2 - AWH0500NPM = 2,004GPH @ 60°F Rise + 254Gal = 2,258 Gal. 1st Hr. @ 60°F rise 2,004GPH / 4 (15Min.) = 501Gal. + 254Gal. = 755Gal. In 15 Min. @ 100°F</p> <p>Includes installing condensate pump and piping to drain above bathrooms Includes electrical allowance of 3000.00 to connect pumps and water heaters Includes 3" drop for jetter fill line Includes insulation on new piping Includes all water, vent and gas piping Includes new gas line from meter. (WPS may need to up size meter)</p> <p>DPW, To build mezzanine</p> <p>OPTION #1 Upsize water heaters to 1250MBH 5214 gallons and hour, 1490 gal. 15 min @ 100 degree rise ADD 43,400.00 Sales Tax</p>		5.00%	0.00
		<i>2 Boiler system</i>	<i>110.500</i>

We look forward to working with you!

This Estimate is valid for 10 days. The Estimate is subject to change if adjustments are necessary or requested by the customer and/or the contractor. Please sign and return the document to accept the terms and schedule the project listed above.

Total	\$67,100.00
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Signature _____