

**JAMES E. COX
NORTHFIELD TOWNSHIP
WATER POLLUTION CONTROL FACILITY
11500 LEMEN ROAD WHITMORE LAKE MICHIGAN
PHONE 734-449-4159 FAX 734-449-4302**

To: Northfield Township Board of Trustees

From: Dan Willis -Wastewater Treatment Plant Superintendent

Date: July 6, 2017

Subject: Air Conditioning

Township Board;

The air conditioning system has been down since last summer. The system uses chilled water instead of cold air because of this there are few contractors who service them so it has taken some time to get prices. We have 3 prices ranging from a low of 11,750 to 14,745 . It is my recommendation that we take the low bid of 11,750 from Design Comfort from Brighton.

Thank You Dan Willis WWTP Superintendant



DESIGN COMFORT CO., INC.

ENVIRONMENTAL CONTROL SPECIALISTS

HEATING ■ VENTILATION ■ AIR CONDITIONING
DUST ■ MIST ■ FUME COLLECTION

4023 S. Old US 23, Suite 109

Brighton, MI 48114

Ph: 888-255-4822 Fax: 517-552-5670

Website: designcomfort.com E-mail: jfellows@designcomfort.com

QTN # 062617NT

June 26, 2017

Northfield Township
11500 Lemen Rd
Whitmore Lake, MI 48189

Phone 734-449-4159
Cell 734-323-1389
Fax 734-323-1387
Email willisd@northfieldmi.gov

Attn: Dan Willis
Subject: Chiller Replacement

Dear Dan, we are pleased to submit our proposal for replacing the outdoor Multi Aqua chiller at your facility. This model is unavailable. The new model has a slightly larger footprint (58" tall X 36"L X 41"W). The new chiller is a higher efficiency model than we quoted last year. It will use 407C refrigerant. You should expect a 25-28% savings in energy consumption with this model. It will come with low ambient capability to cool below 50 degree outdoor ambient if needed. Please review the proposal below and advise.

Proposal A: Replace Chiller

- Disconnect/lockout power.
- Reclaim refrigerant from system and dispose of per EPA regulations.
- Disconnect existing 1" copper fluid lines.
- Remove/replace existing chiller with use of customers fork lift
- Replace existing pad.
- Replace fluid lines with new unions, valves, and strainer.
- Insulate the copper lines.
- Fill new unit with 50% glycol solution.
- Connect all wiring.
- Start/test for proper operation.

Purchase Price: \$ 11,750.00 Materials, Labor, & Shipping

Customer to provide:

- **Free access for material & Labor**
- **4'X4'X4" cement pad for new chiller**
- **Extra glycol if needed**

Terms- 50% due upon acceptance of contract remainder net 30 days

Dan, lead time on this unit is 1 week. I will also send you a submittal for the unit for your review. If you have any questions please do not hesitate to call us at your convenience.

Respectfully Submitted,

Jeff Fellows
Service Manager
Design Comfort Co
810-602-2068 Cell

Purchaser Signature _____

Date _____ **P.O.** _____



Mechanical Temp
17311 Sumner
Redford MI 48240

(313) 282-4758 Phone
mtoffice100@gmail.com
www.mthvacr.com

Bill To

Northfield Twp Water Treatment Plant

11500 Lemen rd
Whitmore Lake Mi 48189

Ship To

Northfield Twp Water Treatment Plant

11500 Lemen rd
Whitmore Lake Mi 48189

Work Order # 414

Transaction Date: 07/06/2017

Terms: Net 30 2%

Quote Q70

Item	Description	Quantity	Price	Amount
Install Parts	Chiller Multi Aqua M# MAC036-HE-01	1	\$13,330.00	\$13,330.00
Install Parts	Piping / wiring/ pad/ disconnect	1	\$275.00	\$275.00
Labor	Unhook old chiller and electrical and piping. Install new chiller pipe fit to new unit test operation once completed.	12	\$95.00	\$1,140.00

PENDING

Subtotal \$14,745.00

Tax \$0.00

Total \$14,745.00

Payments \$0.00

Balance Due \$0.00



KOCH & WHITE
HEATING • COOLING
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Distinguished Dealer

NATE Certified

Northfield Township Waster Water
 11500 Lemen Rd
 Whitmore Lake, MI 48189

6/9/17

734-449-4159

We propose to furnish the labor and materials—complete in accordance with the below specifications.

Installation of a Carrier multi head ductless heat pumps to include the following:

- Four wall-mount Carrier air handlers model #40MAQB12
- One outdoor condenser Carrier model #38MGRQ36
- Refrigerant piping between units
- Drain piping from evaporators
- Electrical wiring connections
- Outdoor wall bracket for condenser
- 5 year parts and 1 year labor warranty
- Labor, material and permits

TOTAL \$ 14,675.00

Thank you for considering this estimate.

To accept this proposal, please sign below and return it with a 1/3 down payment. Balance is due upon completion. This quote may be withdrawn if not accepted within 30 days.

Accepted by _____, on ____/____/____

[Handwritten Signature]

Prepared by Eric Kruger

