



## CITY COUNCIL MEETING AGENDA

February 1, 2024

Mark Ammel, Mayor  
Karen Moore, Mayor Pro Tem  
Ronald J. Beauchamp, Council Member  
Tyler DuBord, Council Member  
Todd Flath, Council Member

James R. McNeil, City Manager  
Phil DeMay, City Clerk  
Laura J. Genovich, City Attorney

City Council Chambers located at: City Hall – 410 Ludington Street – Room C101 – Escanaba, MI 49829

The Council has adopted a policy to use a Consent Agenda, when appropriate. All items with an asterisk (\*) are considered routine by the City Council and will be enacted by one motion. There will be no separate discussion of these items unless a Council Member or citizen so requests, in which event, the item will be removed from the General Order of Business and considered in its normal sequence on the Agenda.

### Regular Meeting

**Thursday, February 1, 2024, at 7:00 p.m.**

CALL TO ORDER

ROLL CALL

INVOCATION/PLEDGE OF ALLEGIANCE

APPROVAL/CORRECTION(S) TO MINUTES – Regular Meeting – January 18, 2024

APPROVAL/ADJUSTMENTS TO THE AGENDA

CONFLICT OF INTEREST DECLARATION(S)

BRIEF PUBLIC COMMENT(S)

PUBLIC HEARINGS – None

UNFINISHED BUSINESS – None

NEW BUSINESS

#### **1. Approval – Escanaba WWTP Modine Heater Replacement – Wastewater.**

**Explanation:** Administration is requesting City Council approval to hire and retain the services of Berger and King (\$22,900.00) and Roy Ness Contracting & Sales (\$20,100.00) of Escanaba, Michigan for three Wastewater Treatment Plant Modine Heater Replacements and Mezzanine platform for a total not to exceed \$45,000.00 including contingency monies. This money is available and budgeted for this in the current fiscal year.

#### **2. Approval – Professional Services – Cross Connection Inspections @ Commercial Accounts – Water.**

**Explanation:** Administration is requesting City Council approval to retain and renew the services of HydroCorp, of Troy, MI, to perform work as outlined in the attached proposal in a sum not to exceed \$70,968.00 during the 24-25 and 25-26 fiscal year. Money is available and allotted for this type of work within the current budget.

APPOINTMENTS

BOARD, COMMISSION, AND COMMITTEE REPORTS

GENERAL PUBLIC COMMENT

ANNOUNCEMENTS

ADJOURNMENT

**Respectfully Submitted**

A handwritten signature in blue ink that reads "James R. McNeil".

**James R. McNeil  
City Manager**

**OFFICIAL PROCEEDINGS  
CITY COUNCIL  
CITY OF ESCANABA, MICHIGAN  
Regular Council Meeting  
Thursday, January 18, 2024**

The meeting was called to order by the Honorable Mayor Mark Ammel at 7:00 p.m. in the Council Chambers of City Hall located at 410 Ludington Street.

Present: Mayor Mark Ammel, Council Members, Ronald J. Beauchamp, Tyler DuBord, Todd Flath, and Karen Moore

Absent: None

Also Present: City Manager James R. McNeil, City Clerk Phil DeMay, Department Heads, media, and members of the public.

City Clerk DeMay led Council in the Pledge of Allegiance.

DuBord moved, Beauchamp seconded, **CARRIED UNANIMOUSLY**, to approve Regular Meeting minutes from January 4, 2024, as submitted.

Moore moved, Flath seconded, **CARRIED UNANIMOUSLY**, to approve Work Session minutes from January 9, 2024, as submitted.

**ADJUSTMENTS TO THE AGENDA**

Beauchamp moved, DuBord seconded, **CARRIED UNANIMOUSLY**, to approve the City Council Agenda as submitted.

**CONFLICT OF INTEREST DECLARATION** – None

**BRIEF PUBLIC COMMENT** –

- Dotty LaJoie – discussed the 2024-25 fiscal budget year.

**PUBLIC HEARINGS**

**PH-1 Public Hearing – Citizen Participation – 2024-25 Fiscal Year Budget Preparation.**

Each year, Council holds public hearings to facilitate input from citizens for the upcoming FY2024-25 fiscal year budget. This was the first of five (5) scheduled public hearings.

This being a public hearing, Mayor Ammel asked for public comment.

- Heather Grimes – discussed Bonifas Arts Center and City annual donation.

- Al Hansen – discussed the Bonifas Arts Center and City budget.

Hearing no further public comment, Mayor Ammel then closed the public hearing.

**UNFINISHED BUSINESS** – None

**NEW BUSINESS**

**NB-1 Presentation - Audit - City Controller.**

Paul Matz of the audit firm Rehmann gave a presentation of the 06/30/2023 audit results.

**NB-2 Approval – TMF (Technical, Managerial, and Financial) -LSLR Grant Application - Water.**

Administration requested City Council approval to hire and retain the services of C2AE of Escanaba, MI to assist the City of Escanaba Water Department in preparing an application for the TMF-LSLR Grant Funding to verify water service line materials in an amount not to exceed \$1,500.00.

**NB-2** Moore moved, DuBord seconded, to approve to hire and retain the services of C2AE of Escanaba, MI to assist the City of Escanaba Water Department in preparing an application for the TMF-LSLR Grant Funding to verify water service line materials in an amount not to exceed \$1,500.00.

Upon a call of the roll, the vote was as follows:

Ayes: Moore, DuBord, Beauchamp, Flath, Mayor Ammel  
Nays: None

**MOTION CARRIED.**

**NB-3 Approval - Energy Optimization Program – Electric.**

Administration sought approval for the 2024 Energy Optimization Program in the amount of \$150,000. This was a budgeted item. The Electrical Advisory Committee supports and recommends this program.

**NB-3** Moore moved, Flath seconded, to approve the 2024 Energy Optimization Program in the amount of \$150,000.

Upon a call of the roll, the vote was as follows:

Ayes: Moore, Flath, Beauchamp, Mayor Ammel  
Nays: DuBord

**MOTION CARRIED.**

**NB-4 Approval – Concrete Pile Bid – DPW**

Administration sought approval to hire Havelka Construction in the amount of \$22,000 to crush the remaining concrete pile.

**NB-4** Flath moved, Moore seconded, to approve to hire Havelka Construction in the amount of \$22,000 to crush the remaining concrete pile.

Upon a call of the roll, the vote was as follows:

Ayes: Flath, Moore, Beauchamp, DuBord, Mayor Ammel  
Nays: None

**MOTION CARRIED.**

**NB-5 Approval – MERS Withdrawal and Asset Transfer Agreement – Manager.**

Administration requested City Council approval of the MERS Defined Benefit Plan Withdrawal and Asset Transfer Agreement.

**NB-5** DuBord moved, Beauchamp seconded, to approve of the MERS Defined Benefit Plan Withdrawal and Asset Transfer Agreement.

Upon a call of the roll, the vote was as follows:

Ayes: DuBord, Beauchamp, Moore, Mayor Ammel  
Nays: Flath

**MOTION CARRIED.**

**NB-6 Approval – MDOT Performance Resolution for Municipalities – Manager**

Administration requested City Council approval of a resolution for the annual permit for work in the State Highway Right of Way.

“**NB-6** By Council Member Flath, seconded, by Council Member DuBord:

**Resolution 24-01**

**PERFORMANCE RESOLUTION FOR MUNICIPALITIES**

*This Performance Resolution ( Resolution) is required by the Michigan Department of Transportation for purposes of issuing to a Municipality an "Individual Permit for Use of State Highway Right of Way", and/or an "Annual Application and Permit for*

*Miscellaneous Operations within State Highway Right of Way".*

RESOLVED WHEREAS, the City of Escanaba hereinafter referred to as the "MUNICIPALITY," periodically applies to the Michigan Department of Transportation, hereinafter referred to as the "DEPARTMENT," for permits, referred to as "PERMIT," to construct, operate, use and/or maintain utilities or other facilities, or to conduct other activities, on, over, and under State Highway Right of Way at various locations within and adjacent to its corporate limits;

NOW THEREFORE, in consideration of the DEPARTMENT granting such PERMIT, the MUNICIPALITY agrees that:

1. Each party to this Resolution shall remain responsible for any claims arising out of their own acts and/or omissions during the performance of this Resolution, as provided by law. This Resolution is not intended to increase either party's liability for, or immunity from, tort claims, nor shall it be interpreted, as giving either party hereto a right of indemnification, either by Agreement or at law, for claims arising out of the performance of this Agreement.
2. If any of the work performed for the MUNICIPALITY is performed by a contractor, the MUNICIPALITY shall require its contractor to hold harmless, indemnify and defend in litigation, the State of Michigan, the DEPARTMENT and their agents and employee's, against any claims for damages to public or private property and for injuries to person arising out of the performance of the work, except for claims that result from the sole negligence or willful acts of the DEPARTMENT, until the contractor achieves final acceptance of the MUNICIPALITY Failure of the MUNICIPALITY to require its contractor to indemnify the DEPARTMENT, as set forth above, shall be considered a breach of its duties to the DEPARTMENT.
3. Any work performed for the MUNICIPALITY by a contractor or subcontractor will be solely as a contractor for the MUNICIPALITY and not as a contractor or agent of the DEPARTMENT. The DEPARTMENT shall not be subject to any obligations or liabilities by vendors and contractors of the MUNICIPALITY, or their subcontractors or any other person not a party to the PERMIT without the DEPARTMENT'S specific prior written consent and notwithstanding the issuance of the PERMIT. Any claims by any contractor or subcontractor will be the sole responsibility of the MUNICIPALITY.
4. The MUNICIPALITY shall take no unlawful action or conduct, which arises either directly or indirectly out of its obligations, responsibilities, and duties under the PERMIT which results in claims being asserted against or judgment being imposed against the State of Michigan, the Michigan Transportation Commission, the DEPARTMENT, and all officers, agents and employees thereof and those contracting governmental bodies performing permit activities for the DEPARTMENT and all officers, agents, and employees thereof, pursuant to a maintenance contract. In the event that the same occurs, for the purposes of the PERMIT, it will be considered as a breach of the PERMIT thereby giving the State of Michigan, the DEPARTMENT, and/or the Michigan Transportation Commission a right to seek and obtain any necessary relief or remedy, including, but not by way of limitation, a judgment for

money damages.

5. The MUNICIPALITY will, by its own volition and/or request by the DEPARTMENT, promptly restore and/or correct physical or operating damages to any State Highway Right of Way resulting from the installation construction, operation and/or maintenance of the MUNICIPALITY'S facilities according to a PERMIT issued by the DEPARTMENT.

6. With respect to any activities authorized by a PERMIT, when the MUNICIPALITY requires insurance on its own or its contractor's behalf it shall also require that such policy include as named insured the State of Michigan, the Transportation Commission, the DEPARTMENT, and all officers, agents, and employees thereof and those governmental bodies performing permit activities for the DEPARTMENT and all officers, agents, and employees thereof, pursuant to a maintenance contract.

7. The incorporation by the DEPARTMENT of this Resolution as part of a PERMIT does not prevent the DEPARTMENT from requiring additional performance security or insurance before issuance of a PERMIT.

8. This Resolution shall continue in force from this date until cancelled by the MUNICIPALITY or the DEPARTMENT with no less than thirty (30) days prior written notice provided to the other party. It will not be cancelled or otherwise terminated by the MUNICIPALITY with regard to any PERMIT which has already been issued or activity which has already been undertaken.

BE IT FURTHER RESOLVED that the following position(s) are authorized to apply to the DEPARTMENT for the necessary permit to work within State Highway Right of Way on behalf of the MUNICIPALITY.

Upon a call of the roll, the vote was as follows:

Ayes: Flath, DuBord, Moore, Beauchamp, Mayor Ammel

Nays: None

**RESOLUTION DECLARED ADOPTED."**

**APPOINTMENT(S) TO CITY BOARDS, COMMISSIONS, AND COMMITTEES** – None

**BOARD, COMMISSION, AND COMMITTEE REPORTS**

Council Members reviewed City Board and Commission meetings each attended since the last City Council Meeting.

**GENERAL PUBLIC COMMENT** – None

**ANNOUNCEMENTS**

- Mayor Ammel read a Christmas Card from Bishop Noah Home.
- Happy Valentines Day.

Hearing no further public comment, Flath moved, DuBord seconded, the Council adjourned at 7:41 p.m.

Respectfully submitted,

Phil DeMay  
City Clerk

Approved: \_\_\_\_\_  
Mark Ammel, Mayor

Agenda Item: NB-1  
Date: 02-01-2024

## City Council Agenda Item Request

Date: 1/23/2024

Name: Jeff Lampi

Department: Wastewater Department

Item: Escanaba WWTP Modine Heater Replacement - 2023

Meeting date requested: 2/1/2024

Explanation for request:

Administration is requesting Council's approval to hire and retain the services of Berger and King (\$22,900.00) and Roy Ness Contracting & Sales (\$20,100.00) of Escanaba, Michigan for three Wastewater Treatment Plant Modine Heater Replacements and Mezzanine platform for a total not to exceed \$45,000.00 including contingency monies.

This money is available and budgeted for this in the current fiscal year.

Backup -

\* Bar Screen Room - \$9,275.00  
Platform - \$20,100.00  
Chlorine Storage Room - \$5,920.00  
Headworks Garage Bay - \$7,705.00





# ROY NESS

**Contracting & Sales Inc.**

(906) 786-2254 (906) 786-2297

QUALITY CONSTRUCTION  
SINCE 1947

1801 North Lincoln Road Escanaba, Michigan 49829

January 16, 2024

Escanaba Wastewater Treatment

Attn: Jeff

**Proposal:**

## **Add a Mezzanine Platform above Stairs**

We propose to furnish the labor, material, tools, and equipment necessary to install a new mezzanine platform with removable ladder as described below for a lump sum of **Twenty Thousand One Hundred Dollars. \$20,100**

**Includes:**

1. Mobilize/Demobilize
2. Install galvanized channels for platform.
3. Install 1 1/4" galvanized grating.
4. Install galvanized removable handrail.
5. Install removable ladder.

**Notes:**

**All materials will be galvanized to help prevent corrosion due to the water and atmosphere.**

Sincerely,

*John Roman*

John Roman

Estimator & Project Manager

Please sign and return if accept quote:

Sign \_\_\_\_\_

Date \_\_\_\_\_

Tracey Lippens Chris Sam

**Sign In Sheet**

**December 12, 2023**

**Escanaba WWTP Modine Heater Replacement - 2023**

Name: Jerad Patterson  
Company: Dressler Mechanical  
Address: 2051 Enterprise Street, Marquette, MI 49855  
Phone: [REDACTED]  
Email: [REDACTED]

Name: Jim Berger  
Company: Tweet Garot  
Address: 325 Reid St De Pere WI 54115  
Phone: [REDACTED]  
Email: [REDACTED]  
[REDACTED]

Name: Matt Carley  
Company: Richer's Refrigeration and A/C  
Address: 2803 Danforth Rd Escanaba, MI 49829  
Phone: [REDACTED]  
Email: [REDACTED]

Name: Andy Butryn

Company: NMR

Address: 1701 N 26 St

Phone: [REDACTED]

Email: [REDACTED]

Name: John Jukkala

Company: Prime

Address: 902 W. Rogers AVE Marquette, MI

Phone: [REDACTED]

Email: [REDACTED]

Name: Nathan King

Company: Berger & King

Address: 1912 Ludington Street

Phone: [REDACTED]


Email: [REDACTED]

AL

**DATE BIDS OPENED:** January 4, 2024  
**DESCRIPTION OF ITEM:** WWTP Modine Heater Replacement

[illegible]

**PREGNANT:**

PRESENT: 

## BIDDER'S PROPOSAL

### WWTP MODINE HEATER REPLACEMENT – 2023

DATE this proposal was assembled: 1/04/2024

We, the undersigned, agree to furnish the City of Escanaba, Michigan **ALL MATERIALS AND LABOR TO REPLACE THE EXISTING HEATERS AT THE ESCANABA WASTEWATER TREATMENT PLANT – BAR SCREEN ROOM, CHLORINE STORAGE ROOM, and HEADWORKS GARAGE BAY**, in accordance with the attached minimum specifications, which are part of this proposal, at the following price:

BID: Bar Screen Room Heater:	\$ <u>9,275.00</u>
Chlorine Storage Room Heater:	\$ <u>5,920.00</u>
Headworks Garage Bay Heater:	\$ <u>7,705.00</u>
Sum of all three heaters:	\$ <u>22,900.00</u>

CERTIFIED CHECK, CASHIER'S CHECK OR  
BIDDER'S BOND ENCLOSED IN THE  
AMOUNT OF: (Not less the 10% of total)

\$ 206.00  
(must be included to qualify)

Anticipated lead time for completion of all work once an award has been made to contractor 45 days.

#### SUBMITTED BY:

FIRM: BERGER & KING, INC.

ADDRESS: 1912 LUDINGTON STREET ESCANABA, MI 49829

BY: NATHAN KING

PRINTED: NATHAN KING

TITLE: PROJECT MANAGER/ESTIMATOR

PHONE: [REDACTED] FAX: 906-786-1790

NOTE: THESE PRICES ARE CONTINGENT ON INSPECTOR APPROVAL  
IF ENGINEERED PLANS ARE REQUIRED TO GET FINAL PERMIT  
EXTRA WORK MAY BE REQUIRED. IF SO, THESE EXTRA COSTS  
WILL BE BILLED ON A T&M BASIS

NOTE: BID EXCLUDES SHIFT PREMIUM HOURS, GENERAL CONSTRUCTION, PLATFORM  
UNDERNEATH HEADWORKS UNIT HEATER, AND ROOF PATCH (IF REQUIRED)

# YEAR-ROUND COMFORT TO WORK, PLAY AND RELAX

## CHLORINE STORAGE



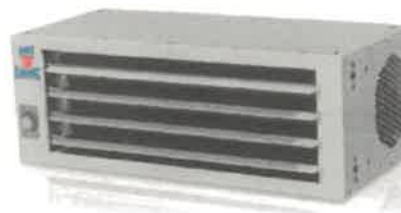
### HOT DAWG™ POWER-EXHAUSTED, GAS-FIRED UNIT HEATER (MODEL HD)

- Hush-puppy quiet operation (see table)
- Right or left hand controls available on all 30-75 units. Gas, electrical and flue connections can be changed by simply flipping the unit over
- Uses natural or propane gas
- Lightweight, easily installs 1" from ceiling with only two angle brackets (included on sizes 30-75, accessory for 100, 125)
- Full 10-year warranty on heat exchanger
- Standard power exhaust simplifies side-wall or roof venting with small-diameter vent pipe
- Permanently-lubricated motor for trouble-free dependability
- Controls can be either single or two-stage, direct spark ignition, 100% shut-off with continuous retry
- Low-profile design and neutral color to blend in with decor
- Also available with a blower (model HDB). Contact Modine for further information

### HOT DAWG™ SEPARATED COMBUSTION GAS-FIRED UNIT HEATER (MODEL HDS)

Same features as HD, with these added benefits:

- Draws combustion air from outside the work space, ensuring the unit always has plenty of fresh, clean air to breathe
- The fresh air supply reduces common concerns about dusty, dirty or humid applications, providing greater durability and reduced maintenance
- Factory assembled, certified separated combustion saves installation time



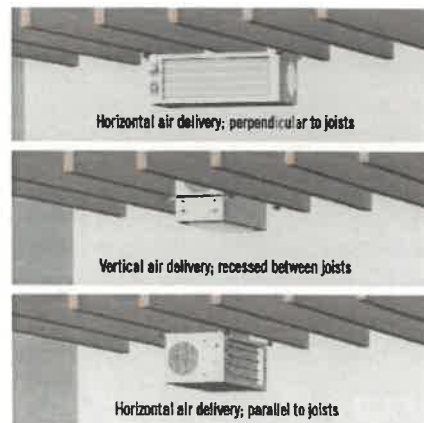
### HOT DAWG™ H<sub>2</sub>O LOW PROFILE HOT WATER UNIT HEATER (MODEL HHD)

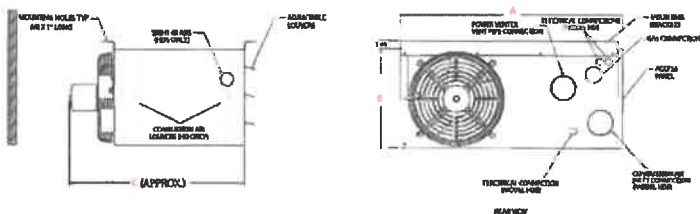
- No external moving parts - twin centrifugal blowers keep all moving parts inside the cabinet
- Mounting flexibility (parallel, perpendicular or recessed between joists) allows for horizontal or vertical air delivery
- Low-profile design
- Available in hammertone beige
- Constructed of heavy gauge steel for clean appearance and maximum headroom
- Includes two mounting brackets with vibration isolators to reduce noise and vibration
- Internal coil can handle water pressures up to 150 PSI and temperatures up to 200° F

#### Hot Dawg H<sub>2</sub>O Applications

Model Sizes	Airflow (CFM)	GPM	140° F BTU/hr	180° F BTU/hr	Application
HHD 30	405 405	2 4	20,600 24,200	30,900 36,300	1 to 2 car garage
HHD 45 (high speed)	710 710	2 4	29,900 35,100	44,800 52,700	2 to 3 car garage
HHD 45 (low speed)	425 425	2 4	20,700 24,400	31,100 36,600	2 to 3 car garage

#### Hot Dawg H<sub>2</sub>O Mounting Flexibility





### Clearances for Residentially-Certified Unit Heaters

Unit Side	Clearance To Combustible Materials	Recommended Service Clearance
Top and Bottom	1"	1"
Access Side	1"	18"
Non-Access Side	1"	17/18" <sup>1</sup>
Rear	18"	18"
Vent Connector	4 7/8" <sup>1</sup>	4 7/8" <sup>1</sup>

1. For high-efficiency unit only (Model PTC)

### Hot Dawg Applications

Model	Btu/Hr Input	Typical Application
HD/HDS 30	30,000	1 to 1-1/2 Car Garage
HD/HDS 45	45,000	2 to 2-1/2 Car Garage
HD/HDS 60	60,000	3 to 3-1/2 Car Garage
HD/HDS 75, 100, 125	75,000-125,000	Large Garage

\* Sizing data for sample only. Consult a qualified installer for the actual requirements for your building.

### Performance Data - Model HD/HDS

Model Size	30	45	60	75	100	125
Btu/Hr Input <sup>1</sup>	30,000	45,000	60,000	75,000	100,000	125,000
Btu/Hr Output <sup>1</sup>	24,000	36,000	48,000	60,000	80,000	100,000
Entering Airflow (CFM) <sup>2</sup>	505	720	990	1,160	1,490	1,980
Outlet Velocity <sup>2</sup>	523	749	653	769	565	747
Air Temp. Rise (°F)	44	46	45	48	50	47
Mounting Height (Max ft.) <sup>2</sup>	10	10	12	14	12	16
Heat Throw (ft.)	25	27	36	38	42	56

### Model HD/HDS Sound Pressure Level (dBA)<sup>1</sup>

Model Size	Medium	Competitor
	5 ft.	5 ft.
30	53	59
45	57	59
60	59	59
75	58	69

1. Measured at distance from unit shown.

2. Competitor published data.

### Dimensions (inches) - Model HD/HDS

Model Size	30	45	60	75	100/125
A	26.8	26.8	26.8	26.8	35.5
B	12.2	12.2	18.0	18.0	20.5
C	22	22	25	25	31.0
Gas Connection	1/2	1/2	1/2	1/2	1/2
Vent Connector Size (in.)	3	3	3/4*	3/4*	4
Approx. Shipping Weight (lbs.)	55	60	80	85	125

\* 3" for Model HD, 4" for Model HDS



### HOT DAWG™ SPECIAL EDITION BLACK UNITS

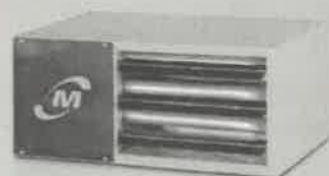
- Units are available in propane or natural gas
- Sizes: HD30, HD45, HD60 and HD75
- Available in satin black or standard green
- Perfect for single or two-plus car garages
- Available with manifold power vent only (not available with stainless steel exchanger or separated combustion)

### CUSTOMIZE YOUR HOT DAWG™ WITH EASY-TO-INSTALL TRIM KITS

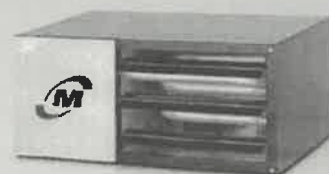
Choose from three new trim kits. They look great with our standard green units too.



Hunter Dawg



Carbon Fiber



Diamond Dawg



## GAS-FIRED, BLOWER MODELS

### HEADWORKS AND TRUCK BAY



MODEL HDB



MODEL BDP



MODEL BTS



MODEL BTC



MODEL BTP



Blower unit heaters are designed for both heating and ventilating. All Modine gas-fired unit heater types can be equipped with blowers, including our Hot Dawg® low-profile residential garage heaters and the Effinity<sup>®</sup>. In fact, the Effinity<sup>®</sup> is the only high efficiency gas-fired unit heater in North America with this option available.

These units can be used in a variety of ways:

- Ducting air in from adjacent spaces for ventilation.
- Protecting units from corrosive spaces by mounting them remotely and ducting in warm air.
- Where quietness is important, blower fans are lower-noise and can be ducted, unlike propeller units.
- Deflector hoods can be used in areas with higher mounting heights.

Table 6.1 - Power-Exhausted Blower Unit Model HDB and BDP General Performance Data

	Model HDB Sizes				Model BDP Sizes								Model BTP Sizes							
	60	75	100	125	150	175	200	250	300	350	400	150	175	200	250	300	350	400		
Btu/Hr Input $\Phi$	60,000	75,000	100,000	125,000	150,000	175,000	200,000	250,000	300,000	350,000	400,000	150,000	175,000	200,000	250,000	300,000	350,000	400,000		
Btu/Hr Output $\Phi$	49,200	61,500	82,000	102,500	123,000	143,500	164,000	205,000	246,000	287,000	328,000	123,000	143,500	164,000	205,000	246,000	287,000	328,000		
Entering Airflow Range (CFM)	635-1111	794-1389	1140-2116	1235-2058	1587-2778	1852-3241	2116-3704	2546-4630	3175-5556	3704-6481	4233-7407	1587-2778	1852-3241	2116-3704	2546-4630	3175-5556	3704-6481	4233-7407		
Outlet Velocity (FPM)	437-725	545-908	443-781	488-773	592	662	773	986	1026	1037	1008									
Air Temp. Rise (°F)	40-70	40-70	35-65	45-75	40-70	40-70	40-70	40-70	40-70	40-70	40-70	40-70	40-70	40-70	40-70	40-70	40-70	40-70		
Max. Mounting Height (Ft.) $\Phi$	7-13	7-16	8-19	8-17	14	15	13	16	18	19	18	14	8-18	9-21	10-22	11-26	11-26	13-29		
Heat Throw (Ft.) @ Max Mtg Ht $\Phi$	20-45	24-57	27-68	27-59	40	52	47	66	64	67	68	33-75	26-65	32-78	34-78	40-84	39-80	44-102		

Table 6.2 - Separated Combustion Blower Unit Model HDC and BTS General Performance Data

	Model HDC Sizes				Model BTS Sizes							
	60	75	100	125	150	175	200	250	300	350	400	
Btu/Hr Input $\Phi$	60,000	75,000	100,000	125,000	150,000	175,000	200,000	250,000	300,000	350,000	400,000	
Btu/Hr Output $\Phi$	49,200	61,500	82,000	102,500	123,000	143,500	164,000	205,000	246,000	287,000	328,000	
Entering Airflow Range (CFM)	635-1111	794-1389	1140-2116	1235-2058	1587-2778	1852-3241	2116-3704	2546-4630	3175-5556	3704-6481	4233-7407	
Air Temp. Rise (°F)	40-70	40-70	35-65	45-75	40-70	40-70	40-70	40-70	40-70	40-70	40-70	
Max. Mounting Height (Ft.) $\Phi$	7-13	7-16	8-19	8-17	9-21	8-18	9-21	10-22	11-26	11-26	13-29	
Heat Throw (Ft.) @ Max Mtg Ht $\Phi$	20-45	24-57	27-68	27-59	33-75	28-65	32-74	34-78	40-84	39-80	44-102	

Table 6.3 - Separated Combustion, High-Efficiency Condensing Blower Unit Heater Model BTC General Performance Data

	Model BTC Sizes		
	215	260	310
Btu/Hr Input $\Phi$	215,000	260,000	310,000
Btu/Hr Output $\Phi$	199,950	241,800	288,300
Condensate Production (Gal./Hr.)	1.8	1.9	2.3
Entering Airflow Range (CFM)	2645-4628	3198-5597	3813-6674
Air Temp. Rise (°F)	40-70	40-70	40-70
Max. Mounting Height (Ft.) $\Phi$	9-22	11-26	11-26
Heat Throw (Ft.) @ Max Mtg Ht	33-77	40-84	39-91

$\Phi$  Ratings shown are for elevations up to 2,000 Ft. For elevations above 2,000 feet, ratings should be reduced at the rate of 4% for each 1,000 feet above sea level. (In Canada see rating plate.) Reduction of ratings requires use of a high altitude kit.

$\Phi$  Data taken at 55°F air temperature rise. At 65°F ambient and unit fired at full-rated input. Mounting height as measured from bottom of unit, and without deflector hoods.

$\Phi$  Data taken at 65°F ambient and unit fired at full-rated input. Mounting height as measured from bottom of unit, and without deflector hoods.

**DO NOT LOCATE ANY GAS-FIRED UNIT IN AREAS WITH CHLORINATED, HALOGENATED, OR ACIDIC VAPORS IN ATMOSPHERE.**

Request Catalog 6-189 (HDB, BDP, BTP), 6-175 (BTS) and 6-170 (BTC)  
For Complete Technical Information and Specifications.



## DIMENSIONAL DATA - MODEL HD/HDB

### Propeller Units - Model HD

Figure 19.1 - Dimensional Drawings - Model HD

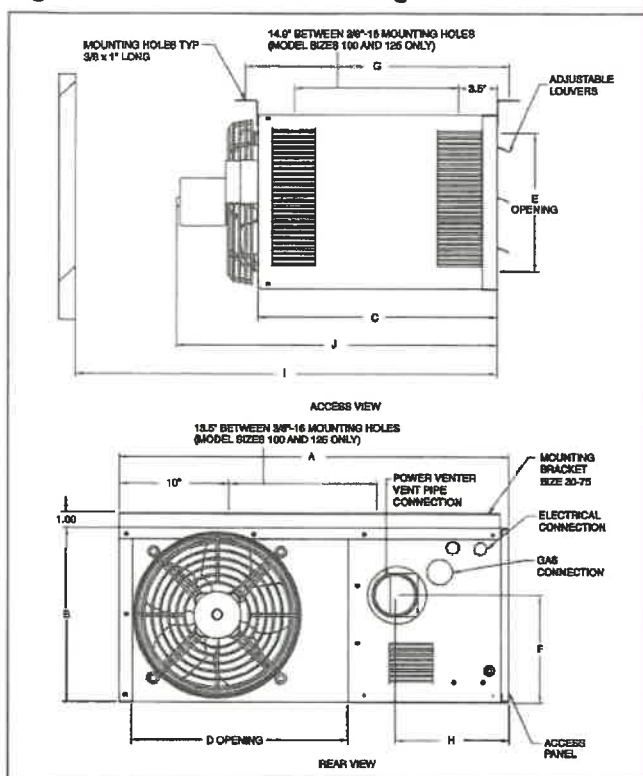


Table 19.1 - Dimensions (inches) - HD

Models	HD30	HD45	HD60	HD75	HD100/125
A	26.8	26.8	26.8	26.8	35.5
B	12.2	12.2	18.0	18.0	20.5
C	16.5	16.5	16.5	16.5	22.0
D	14.9	14.9	14.9	14.9	22.5
E	10.1	10.1	15.9	15.9	13.4
F	7.5	7.5	10.7	10.7	14.0
G	18.5	18.5	18.5	18.5	-
H	7.6	7.6	7.8	7.8	8.4
Gas Connection	1/2	1/2	1/2	1/2	1/2
I	34.5	34.5	34.5	34.5	43.0
J	22	22	25	25	31.0
Fan Diameter	10	10	14	14	18.0
Approx. Shipping Weight (lbs.)	67	72	92	97	143
Vent Connector Size (in)	3	3	3	3	4

Table 19.3 - Clearance to Combustibles, Model HD/HDB

Unit Side	Clearance to Combustible Material		Recommended Service Clearance
	HD	HDB	
Top and Bottom	1"	6"	18"
Access Side	1"	6"	18"
Non-Access Side	1"	6"	18"
Rear	18"	18"	18"
Vent Connector	4"	4"	18"

### Blower Units - Model HDB

Figure 19.2 - Dimensional Drawings - Model HDB

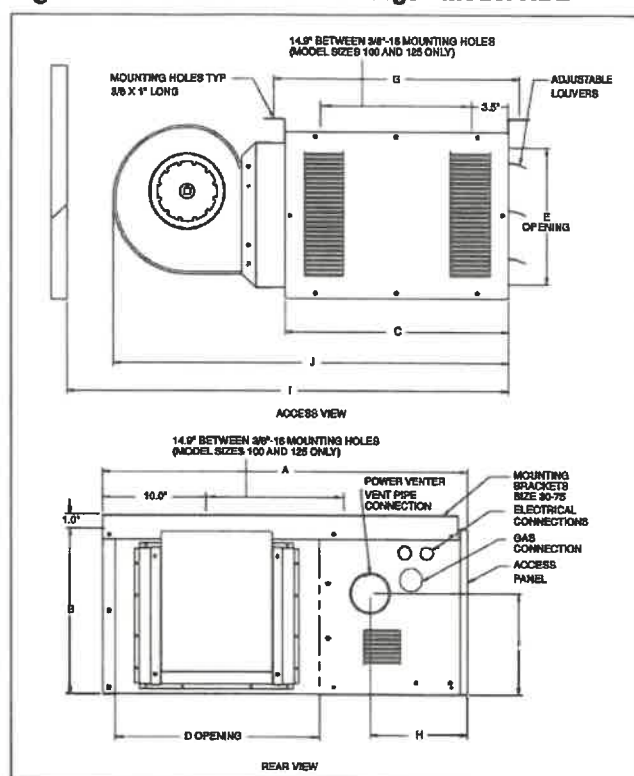
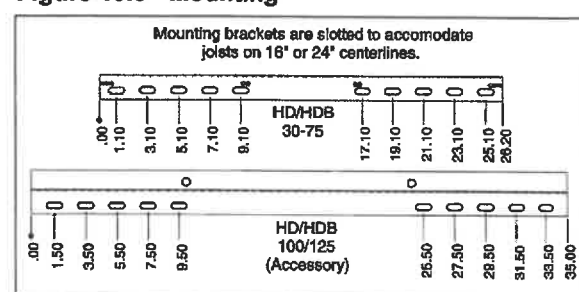


Table 19.2 - Dimensions (inches) - HDB

Models	HDB60	HDB75	HDB100/125
A	26.8	26.8	35.5
B	18.0	18.0	20.5
C	16.5	16.5	22.0
D	14.9	14.9	22.5
E	15.9	15.9	18.4
F	10.7	10.7	14.0
G	18.5	18.5	-
H	7.8	7.8	8.4
Gas Connection	1/2	1/2	1/2
I	34.5	34.5	44.5
J	25.0	25.0	41.5
Blower	9 - 7	9 - 7	10 - 10
Approx. Shipping Weight (lbs.)	92	97	151
Vent Connector Size (in)	3	3	4

Figure 19.3 - Mounting





# ROY NESS

**Contracting & Sales Inc.**

(906) 786-2254 (906) 786-2297

QUALITY CONSTRUCTION  
SINCE 1947

1801 North Lincoln Road Escanaba, Michigan 49829

January 16, 2024

Escanaba Wastewater Treatment

Attn: Jeff

**Proposal:**

**Add a Mezzanine Platform above Stairs**

We propose to furnish the labor, material, tools, and equipment necessary to install a new mezzanine platform with removable ladder as described below for a lump sum of **Twenty Thousand One Hundred Dollars. \$20,100**

**Includes:**

1. Mobilize/Demobilize
2. Install galvanized channels for platform.
3. Install 1 1/4" galvanized grating.
4. Install galvanized removable handrail.
5. Install removable ladder.

**Notes:**

**All materials will be galvanized to help prevent corrosion due to the water and atmosphere.**

Sincerely,

*John Roman*

John Roman

Estimator & Project Manager

Please sign and return if accept quote:

Sign \_\_\_\_\_

Date \_\_\_\_\_









Agenda Item: NB-2  
Date: 02-01-2024

## City Council Agenda Item Request

Date: 1/23/2024

Name: Jeff Lampi

Department: Water Department

Item: Professional Services -- Cross Connection Inspections @ Commercial Accounts

Meeting date requested: 2/2/2024

Explanation for request:

Please considerer this as a request for authorization from Council to retain and renew the services of HydroCorp, of Troy MI, to preform work as outlined in the attached proposal in a sum not to exceed \$70,968.00 during the 24-25 and 25-26 fiscal year.

Money is available and allotted for this type of work within the current budget.

# PROPOSAL

DEVELOPED FOR

Jeff Lampi

Water & Wastewater Superintendent

City of Escanaba

P.O. Box 948

Escanaba, MI 49829

January 2, 2024

## KEEPING DRINKING WATER SAFE FOR INDUSTRIES AND MUNICIPALITIES

For over 30 years, HydroCorp™ has been dedicated to safe drinking water for companies and communities across North America. Fortune 500 firms, metropolitan centers, utilities, small towns and businesses – all rely on HydroCorp to protect their water systems, averting backflow contamination and the acute health risks and financial liabilities it incurs.



CROSS-CONNECTION  
CONTROL / BACKFLOW  
PREVENTION

WATER SYSTEM  
SURVEYS / AUDITS

PIPE SYSTEM MAPPING  
AND LABELING

WATER SAMPLING  
AND ANALYSIS / RISK  
ASSESSMENTS

PROGRAM  
AND PROJECT  
MANAGEMENT

COMPLIANCE  
ASSISTANCE /  
DOCUMENTATION

MICHIGAN CORPORATE OFFICE  
5700 Crooks Road, Suite 100  
Troy, MI 48098  
800.690.6651 TOLL FREE  
248.250.5000 PHONE  
248.786.1788 FAX GENERAL  
info@hydrocorpinc.com EMAIL



SCOPE OF WORK ..... 3

SIGNATURE PAGE..... 4

QUALIFICATIONS ..... 5





## SCOPE OF WORK

Based on your current program, HydroCorp™ will provide the following services to the City of Escanaba. This project is a continued effort for an ongoing Cross-Connection Control Program and will provide the City with the necessary data and information to maintain compliance with the Michigan Department of Environment, Great Lakes and Energy (EGLE) Water Bureau Cross Connection Control Regulations. Once this project has been approved and accepted by the City and HydroCorp, you may expect completion of the following elements within a ~~eighteen (18) month~~ period. The components of the project include: *will be 24 months*

1. Annually, perform a minimum of 235 initial inspections at individual non-residential properties within the City served by the public water supply for cross-connections. Inspections will be conducted in accordance with guidelines set forth by the State of Michigan EGLE requirements.
2. Generate all backflow prevention assembly test notices, non-compliance notices and coordinate/monitor backflow prevention assembly testing compliance for all backflow prevention assemblies.
3. Perform administrative functions including: answering water user telephone calls, scheduling of inspections, mailing of all notices, verification of backflow prevention assembly tester credentials & proper testing results and general customer service and program education inquiries.
4. Generate and document the required program data for the facilities using the HydroCorp Software Data Management Program.
5. Submit comprehensive management reports on a quarterly basis.
6. Conduct an annual review meeting to discuss overall program status and recommendations.
7. Provide up to six- (6) ASSE approved hose bibb vacuum breakers or anti-frost hose bibb vacuum breakers, (i.e. combination) per facility as required, in order to place a facility into immediate compliance at the time of inspection.
8. Prepare the annual State of Michigan, EGLE Water Bureau Cross Connection Report.
9. Assist the City with a community wide public relations program including general awareness brochures and customized web site cross connection control program overview content and resources.
10. Create and manage additional database for the City's in-house residential inspection program.
11. Provide up to 12 hours of web-based training for City inspectors on entering data, printing notices, and general navigation of the HydroCorp Software Data Management System.
12. Provide ongoing support via phone, fax, internet, text or email.

The above services will be provided for:

**Monthly Amount: \$ 2,957.00**

**Contract Total: \$70,968.00**

Contract Amount is based upon a 24-month period. HydroCorp will invoice in 24 equal amounts of \$ 2,957.00.



**COUNTERPARTS.** This Agreement may be executed in any number of counterparts, each of which shall be deemed to be an original and all of which together shall be deemed to be one and the same instrument.

**NOTICES.** All notices, requests, demands, payments and other communications which are required or may be given under this Agreement shall be in writing and shall be deemed to have been duly given if delivered personally or sent by nationally recognized overnight carrier, or mailed by certified mail, postage prepaid, return receipt requested, as follows:

If to HydroCorp:

HydroCorp  
c/o Mark Martin  
5700 Crooks Road, Ste. 100  
Troy, MI 48337  
[REDACTED]

If to Utility:

City of Escanaba  
c/o Jeff Lampi  
P.O. Box 948  
Escanaba, MI 49829  
(906) 786-3291

**RENEWAL.** Upon the expiration of this Agreement the utility will have the option to renew this contract for two (2) consecutive one (1) year periods.

**SEVERABILITY.** Should any part of this Agreement for any reason, be declared invalid or void, such declaration will not affect the remaining portion, which will remain in full force and effect as if the Agreement has been executed with the invalid portion eliminated.

## SIGNATURES

IN WITNESS WHEREOF, the parties have duly executed this Agreement effective as of the date first above written.

### City of Escanaba

By: \_\_\_\_\_

Title:

**HydroCorp**

By: Paul M. Patterson

Its: Vice President



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## Appendix

### Specific Qualifications & Experience

**HydroCorp™** is a professional service organization that specializes in Cross Connection Control Programs. Cross Connection Control Program Management & Training is the main core and focus of our business. We are committed to providing water utilities and local communities with a cost effective and professionally managed cross connection control program in order to assist in protecting the public water supply.

- HydroCorp conducts over 30,000 Cross Connection Control Inspections **annually**.
- HydroCorp tracks and manages over 35,000+ backflow prevention assemblies for our Municipal client base.
- Our highly trained staff works in an efficient manner in order to achieve maximum productivity and keep program costs affordable. We have a detailed **system** and **process** that each of our field inspectors follow in order to meet productivity and quality assurance goals.
- Our municipal inspection team is committed to providing outstanding customer service to the water users in each of the communities we serve. We teach and train customer service skills in addition to the technical skills since our team members act as representatives of the community that we service.
- Our municipal inspection team has attended training classes and received certification from the following recognized Cross Connection Control Programs: UF TREEO, UW-Madison, and USC – Foundation for Cross Connection Control and Hydraulic Research, American Backflow Prevention Association (ABPA), American Society for Sanitary Engineering (ASSE). HydroCorp recognizes the importance of Professional Development and Learning. We invest heavily in internal and external training with our team members to ensure that each Field Service and Administrative team member has the skills and abilities to meet the needs of our clients.
- We have a trained administrative staff to handle client needs, water user questions and answer telephone calls in a professional, timely and courtesy manner. Our administrative staff can answer most technical calls related to the cross-connection control program and have attended basic cross connection control training classes.
- HydroCorp currently serves over 200 communities in Michigan, Wisconsin, Maryland, Delaware, Virginia & Florida. We still have our first customer!
- HydroCorp and its' staff are active members in many water industry associations including: National Rural Water Association, State Rural Water Associations, National AWWA, State AWWA Groups, HydroCorp is committed to assisting these organizations by providing training classes, seminars and assistance in the area of Cross Connection Control.
- Several Fortune 500 companies have relied on HydroCorp to provide Cross Connection Control Surveys, Program Management & Reporting to assist in meeting state/local regulations as well as internal company guidelines.