

# OPERATIONS & ADMINISTRATIVE COMMITTEE AGENDA

**Called by:** Keith McDonald, Chairman  
**Members:** Paul Arena, John Butitta,  
Valerie Hanserd, Joe Hoffman,  
Jaime Salgado, Michael Thompson

**DATE:** THURSDAY, APRIL 18, 2024  
**TIME:** 5:30 PM

**LOCATION:** ROOM 303  
COUNTY ADMINISTRATION BLDG  
404 ELM STREET  
ROCKFORD, IL 61101

## AGENDA:

- A. Call to Order
- B. Roll Call
- C. Approval of Minutes – April 4, 2024
- D. Public Comment – This is the time we invite the public to address the Operations and Administrative Committee with issues and concerns. We ask you to limit your comments to three minutes. Personal attacks or inappropriate language of any sort will not be tolerated. We will allow a maximum of five speakers on a first come basis with sign up at the meeting. Speakers may not address zoning matters which are pending before the ZBA, the Zoning Committee or the County Board. Personnel matters or pending or threatened litigation may not be addressed in open session. An individual may speak a maximum of three times per calendar year on the same topic. This prohibition shall include the repetition of the same topic in a statement on what is purported to be a different topic. After acknowledgment by the chair, please stand and state your name. Thank you.
- E. Resolution to Approve Telecommunication Service Contract
- F. Resolution Awarding Purchase to Replace Domestic Hot Water Source at Juvenile Detention Center Using CIP PSST Funds  
Cost: \$85,654
- G. Ordinance Amending Section 14-68 (Dogs Running At Large) of The Animal Control Ordinance of Winnebago County, Illinois
- H. Future Agenda Items
- I. Adjournment

**Winnebago County Board**  
**Operations and Administrative Committee Meeting**  
County Administration Building  
404 Elm Street, Room 303  
Rockford, IL 61101

Thursday, April 4, 2024  
5:30 PM

**Present:**

Keith McDonald, **Chairperson**  
Valerie Hanserd, **Vice Chairperson**  
Paul Arena  
John Butitta  
Joe Hoffman  
Jaime Salgado  
Michael Thompson

**Others Present:**

Hope Edwards, Director, Purchasing (Staff Liaison)  
Lafakeria Vaughn, State's Attorney's Office  
Shawn Franks, Facilities

**AGENDA:**

- A. Call to Order
- B. Roll Call
- C. Approval of Minutes – March 21, 2024
- D. Public Comment – This is the time we invite the public to address the Operations and Administrative Committee with issues and concerns. We ask you to limit your comments to three minutes. Personal attacks or inappropriate language of any sort will not be tolerated. We will allow a maximum of five speakers on a first come basis with sign up at the meeting. Speakers may not address zoning matters which are pending before the ZBA, the Zoning Committee or the County Board. Personnel matters or pending or threatened litigation may not be addressed in open session. An individual may speak a maximum of three times per calendar year on the same topic. This prohibition shall include the repetition of the same topic in a statement on what is purported to be a different topic. After acknowledgement by the chair, please stand and state your name. Thank you.
- E. Discussion - Public Safety Building Remodel – RFP Draft and Schedule Review
- F. Discussion - Replace Domestic Hot Water Source at Juvenile Detention Center
- G. Future Agenda Items
- H. Adjournment

Chairperson McDonald called the meeting to order at 5:30 PM.

**Roll Call**

Chairperson Keith McDonald yes, Paul Arena yes, John Butitta yes, Valerie Hanserd yes, Joe Hoffman yes, Jaime Salgado yes, Michael Thompson yes.

**Approval of Minutes – March 21, 2024**

Motion: Mr. Thompson. Second: Ms. Hanserd.  
Chairperson McDonald called for any discussion.  
Motion passed by unanimous voice vote.

**Public Comment**

Chairperson McDonald omitted reading the Public Comment Section of the Agenda due to no one present to speak.

**Discussion - Public Safety Building Remodel – RFP Draft and Schedule Review**

- Discussion followed.

**Discussion - Replace Domestic Hot Water Source at Juvenile Detention Center**

- Discussion followed.

**Future Agenda Items**

- No items discussed.

**Motion to Adjourn**

Chairperson McDonald called for a motion to adjourn the meeting.

Motion: Mr. Salgado. Second: Mr. Thompson.

Motion passed by unanimous voice vote.

Respectfully submitted,

Nancy Bleile  
Administrative Assistant



# Resolution Executive Summary

**Prepared By:** Purchasing Department on behalf DoIT  
**Committee Name:** Operations and Administrative Committee  
**Committee Date:** April 18, 2024  
**Board Date:** April 25, 2024  
**Resolution Title:** Resolution to Approve Telecommunication Service Contract

<b>Was item budgeted?</b> YES	<b>Appropriation Amount:</b> \$48,222.05 annually
<b>If not, explain funding source:</b>	
<b>ORG/OBJ/Project Code</b> 19500-43168	<b>Budget Impact:</b> None

## Background Information:

The County of Winnebago operates an expansive *Mitel Voice Over IP Phone System* for all Elected and Appointed Officials. There are approximately 1,600 phones in the system that are managed by sophisticated telecommunications electronics (programmable controllers). The County has been operating this phone system since 2005.

Proper maintenance and support of the *Mitel Voice Over IP Phone System* is critical for daily operations of the various Elected and Appointed Officials' offices.

This year we used the Sourcewell/NJPA #120122-MBS Cooperative Joint Purchasing Contract to obtain the lowest contracted maintenance service rates. The service agreement, however, will be managed through local vendor, IP Communications, Inc.

## Recommendation:

The County of Winnebago requires annual maintenance and support of the *Mitel Voice Over IP System* to ensure reliability, stability and predictability of the system. DoIT recommends awarding this, lowest contracted annual maintenance rates available, three (3) year service agreement with IP Communications.

## Follow-Up Steps:

Purchasing Department will route for signatures the IP Communications, Inc. **Winnebago County three (3) year Full Service Contract Agreement (Resolution Exhibit A)**. The DoIT will issue a Purchase Order to IPC. Fully Executed Vendor Agreement will be filed with executed Resolution in the Clerk's Office.

**R E S O L U T I O N**  
**of the**  
**COUNTY BOARD OF THE COUNTY OF WINNEBAGO, ILLINOIS**

Sponsored by: Keith McDonald, Committee Chairman  
Submitted by: Operations and Administrative Committee

2024 CR

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**RESOLUTION TO APPROVE TELECOMMUNICATION SERVICE CONTRACT**

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**WHEREAS**, the County of Winnebago operates an expansive Voice Over IP (VOIP) system that supports all Elected and Appointed officials. The system is formally known as the Mitel Voice Over IP Phone System; and

**WHEREAS**, since activation in 2005, the Winnebago County Department of Information Technology has upheld an annual maintenance and support contract to cover the hardware and software of the Mitel system; and

**WHEREAS**, the Code of Ordinances for the County of Winnebago, Illinois, provides as in Section 2-357 (b) (1), Conditions for use. All procurements whose value equals or exceeds the competitive bidding threshold of \$30,000 shall be awarded by competitive sealed bidding in accordance with this section except as otherwise provided in 2-357(c) (Request for Proposals), 2-357(d) (Professional Services), 2-357(e) (Sole-Source), 2-357(f) (Emergency Procurements), 2-357 (g) (Cooperative Joint Purchasing) or as provided by State statute; and

**WHEREAS**, local supplier, IPC Communications Inc., is under the National Joint Power Alliance Cooperative Joint Purchasing Agreement NJPA Sourcwell Contract #120122-MBS with the lowest contracted annual maintenance rates available; and

**WHEREAS**, the Operations and Administrative Committee of the County Board for the County of Winnebago, Illinois, has reviewed the NJPA Sourcwell quote, **Resolution Exhibit A**, received for the aforementioned service and recommends awarding the Contract as follows:

**TELECOMMUNICATIONS SERVICE CONTRACT**

**WHEREAS**, the Operations and Administrative Committee has determined that the funding for the aforementioned purchase shall be paid as follows:

**19500 - 43168**

**NOW, THEREFORE, BE IT RESOLVED**, by the County Board of the County of Winnebago, Illinois, that the County shall enter into a three (3) year service contract with IP Communications, Inc., 1521 Windsor Road, Rockford, IL 61111, for an annual amount of \$48,222.05 per year.

**BE IT FURTHER RESOLVED,** that this Resolution shall be in full force and effective immediately upon its adoption and the Clerk of the County Board is hereby authorized to prepare and deliver certified copies of this Resolution to the Chief Information Officer, Director of Purchasing, Finance Director, County Board Office and County Auditor.

Respectfully Submitted,  
**OPERATIONS AND ADMINISTRATIVE COMMITTEE**

**AGREE**

**DISAGREE**

\_\_\_\_\_  
KEITH McDONALD, CHAIR

\_\_\_\_\_  
KEITH McDONALD, CHAIR

\_\_\_\_\_  
VALERIE HANSERD, VICE CHAIR

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VALERIE HANSERD, VICE CHAIR

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PAUL ARENA

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PAUL ARENA

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JOHN BUTITTA

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JOHN BUTITTA

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JOE HOFFMAN

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JOE HOFFMAN

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JAIME SALGADO

\_\_\_\_\_  
JAIME SALGADO

\_\_\_\_\_  
MICHAEL THOMPSON

\_\_\_\_\_  
MICHAEL THOMPSON

The above and foregoing Resolution was adopted by the County Board of the County of

Winnebago, Illinois this \_\_\_\_ day of \_\_\_\_\_ 2024.

ATTESTED BY:

\_\_\_\_\_  
**JOSEPH CHIARELLI**  
CHAIR OF THE COUNTY BOARD  
OF THE COUNTY OF WINNEBAGO, ILLINOIS

\_\_\_\_\_  
**LORI GUMMOW**  
CLERK OF THE COUNTY BOARD  
OF THE COUNTY OF WINNEBAGO, ILLINOIS

**RESOLUTION EXHIBIT A**



**County of Winnebago**  
**400 W State St**  
**Rockford IL 61101**

**Date 04/01/2024**  
**Mitel**  
**Sourcewell/NJPA Number 120122-MBS**  
**IPC Tracking Number 560582**



Description	Part	QTY	Each	NJPA		Start Date	End Date	
				NJPA Disc	Each			
SWA Adv 3y MiVBus Analog Port	54007864	12	16.46	40.00%	9.88	118.56	5/6/2024	5/5/2027
SWA Adv 3y MiVBus System	54007872	1	460.00	40.00%	276.00	276.00	5/6/2024	5/5/2027
SWA Adv 3y MiVBus User	54007873	3	38.08	40.00%	22.85	68.55	5/6/2024	5/5/2027
SWA Adv 3y MiCollab CI DeskPh	54008271	6	38.34	40.00%	23.00	138.00	5/6/2024	5/5/2027
SWA Adv 3y MiCollab CI SoftPh	54008272	6	27.56	40.00%	16.54	99.24	5/6/2024	5/5/2027
SWA Adv 3y MiCollabClient Sys	54008281	1	415.00	40.00%	249.00	249.00	5/6/2024	5/5/2027
SWA Adv 3y MiVBus System	54007872	1	460.00	40.00%	276.00	276.00	5/6/2024	5/5/2027
SWA Adv 3y MiVBus User	54007873	1	38.08	40.00%	22.85	22.85	5/6/2024	5/5/2027
CC Advantage Software Assurance	54006933	5307	1.00	40.00%	0.60	3,184.20	5/6/2024	5/5/2027
SWA Adv 3y MiVBus System	54007872	1	460.00	40.00%	276.00	276.00	5/6/2024	5/5/2027
SWA Adv 3y MiV BG System	54007973	1	89.68	40.00%	53.81	53.81	5/6/2024	5/5/2027
SWA Adv 3y UCC Entry MiVB	54008368	1617	50.22	40.00%	30.13	48,720.21	5/6/2024	5/5/2027
SWA Adv 3y UCC Std MiVB	54008370	13	75.34	40.00%	45.20	587.60	5/6/2024	5/5/2027
SWA Adv 3y MiVBus System	54007872	1	460.00	40.00%	276.00	276.00	5/6/2024	5/5/2027
SWA Adv 3y MiVBus System	54007872	1	460.00	40.00%	276.00	276.00	5/6/2024	5/5/2027
SWA Adv 3y MiVBus System	54007872	1	475.96	40.00%	285.58	285.58	3/29/2024	5/5/2027
SWA Adv 3y MiVBus User	54007873	1	39.40	40.00%	23.64	23.64	3/29/2024	5/5/2027
SWA Adv 3y MiCollab System	54008274	1	363.00	40.00%	217.80	217.80	5/6/2024	5/5/2027
SWA Adv 3y MiCollab UM Mailbox	54008277	368	12.36	40.00%	7.42	2,730.56	5/6/2024	5/5/2027
CC Advantage Software Assurance	54006933	12326	1.00	40.00%	0.60	7,395.60	5/6/2024	5/5/2027
SWA Adv 3y MiVBus System	54007872	1	460.00	40.00%	276.00	276.00	5/6/2024	5/5/2027
SWA Adv 3y MiVBus System	54007872	1	475.96	40.00%	285.58	285.58	3/29/2024	5/5/2027
SWA ReenI MiVBus System	54010807	1	165.00	40.00%	99.00	99.00	4/16/2012	3/29/2024
SWA Adv 3y MiVBus System	54007872	1	460.00	40.00%	276.00	276.00	5/6/2024	5/5/2027
SWA Adv 3y MiVBus System	54007872	1	460.00	40.00%	276.00	276.00	5/6/2024	5/5/2027
SWA Adv 3y MiVBus Analog Port	54007864	35	16.46	40.00%	9.88	345.80	5/6/2024	5/5/2027
SWA Adv 3y MiVBus System	54007872	1	460.00	40.00%	276.00	276.00	5/6/2024	5/5/2027
SWA Adv 3y MiVBus DLM	54007867	1	0.00	40.00%	0.00	0.00	5/6/2024	5/5/2027
SWA Adv 3y MiVBus System	54007872	1	460.00	40.00%	276.00	276.00	5/6/2024	5/5/2027
SWA Adv 3y MiVBus System	54007872	1	460.00	40.00%	276.00	276.00	5/6/2024	5/5/2027
SWA Adv 3y MiVBus System	54007872	1	460.00	40.00%	276.00	276.00	5/6/2024	5/5/2027
SWA Adv 3y MiVBus System	54007872	1	460.00	40.00%	276.00	276.00	5/6/2024	5/5/2027
SWA Adv 3y MiVBus User	54007873	122	38.08	40.00%	22.85	2,787.70	5/6/2024	5/5/2027
SWA Adv 3y MiVBus System	54007872	1	460.00	40.00%	276.00	276.00	5/6/2024	5/5/2027
SWA Adv 3y MiCollab System	54008274	1	363.00	40.00%	217.80	217.80	5/6/2024	5/5/2027
SWA Adv 3y MiCollab UM Mailbox	54008277	100	12.36	40.00%	7.42	742.00	5/6/2024	5/5/2027
SWA Adv 3y MiV BG SIP Connect	54007971	27	21.12	40.00%	12.67	342.09	5/6/2024	5/5/2027
SWA Adv 3y MiV BG System	54007973	1	89.68	40.00%	53.81	53.81	5/6/2024	5/5/2027
SWA Adv 3y MiV BG Telewk User	54007974	6	42.96	40.00%	25.78	154.68	5/6/2024	5/5/2027
Hardware and Labor Support including replacement or all VOIP equipment including 24/7 Emergency Response. 3-Years		1	72,350.00		72,350.00	72,350.00	5/6/2024	5/5/2027
				<b>Total</b>		<b>144,861.66</b>		



Description	Part	QTY	Each	NJPA	NJPA	Start Date	End Date
				Each	Ext		
REPLAY RTP 10-49 LICENSES	RPLRTP2	10	300.00	300.00	3,000.00	5/6/2024	5/5/2027
TAPIT 6	TPNV6	1	1,595.00	1,595.00	1,595.00	5/6/2024	5/5/2027
TAPIT/TALITY INSTALLATION	TECHINST	1	495.00	495.00	495.00	5/6/2024	5/5/2027
REPLAY RTP 10-49 EXTENDED	RPLRTP2_S	20	60.00	60.00	1,200.00	5/6/2024	5/5/2027
TAPIT 6 1 YEAR EXTENDED SUPPORT	TPNV6_S	2	990.00	0.00	990.00	5/6/2024	5/5/2027
				<b>Total</b>	<b>7,280.00</b>		

Grand Total	152,141.66
Additional Mitel Discount	<u>-7475.51</u>
<b>Total</b>	<b><u>144,666.15</u></b>

**Terms :**

**Three year full service Contract Software, Hardware and Labor**

**Contract paid over three years.**

**1/3 of the total is due each year as described below**

<b>Due 5-5-2024</b>	<b>\$48,222.05</b>
<b>Due 5-5-2025</b>	<b>\$48,222.05</b>
<b>Due 5-5-2026</b>	<b>\$48,222.05</b>

Customer:	Approved and Accepted by: IP Communications
Authorized	Authorized
Signature:	Date: Signature:
Print Name	
and Title:	



# Resolution Executive Summary

## For ARPA or CIP Projects

**Prepared By:** Purchasing Department for Facilities  
**Committee Name:** Operations and Administrative Committee  
**Committee Date:** April 18, 2024  
**Board Date:** April 25, 2024  
**Resolution Title:** Resolution Awarding Purchase to Replace Domestic Hot Water Source at Juvenile Detention Center Using CIP 2023 PSST Funds

### Budget Information

<b>Budgeted?</b> YES	<b>Amount Budgeted?</b> \$45,000	CIP 23 PSST
<b>If not, originally budgeted, explain the funding source?</b> N/A		
<b>If ARPA or CIP funded, original Board approved amount?</b> \$45,000		
<b>Over or Under approved amount?</b> OVER <b>By:</b> \$40,654		
<b>If ARPA funded, was it approved by Baker Tilly?</b> N/A		
<b>ORG/OBJ/Project Codes:</b> 82200-46430-C2321 <b>Descriptor:</b> CIP PSST 23 - Machinery & Equipment		
<b>Budget Impact?</b> \$85,654		

**Background Information:** As previously shared, this project is a re-bid from July 2023 that also yielded further analysis to determine if one or both water sources needed to be replaced. It was ultimately determined that one domestic hot water source would need to be replaced (See Resolution Exhibit B).

After reviewing alternative options with a mechanical engineer, regarding the domestic hot water source, it has been determined that the initial bid is satisfactory for the direct replacement needed at the Juvenile Detention Center (See Resolution Exhibit C).

The new project, IFB#24B-2324, went out for bid in January 2024, which yielded five (5) bids with the lowest bid received from Area Mechanical, Inc. for \$85,654. For further understanding, reference the attached documents to review the option descriptions. Facilities is recommending we proceed with Option 1 (See Resolution Exhibit A).

The Invitation for Bid was emailed to 55 potential bidders and local suppliers, including Local 23 Plumbers and Pipefitters and Northern IL Buildings Contractors, and was also publicly advertised in the RRStar and on County website. The pre-bid meeting was attended by nine (9) people, representing eight (8) vendors, and yielded five (5) Bids.

**Recommended By:** Shawn Franks, Facilities

**Follow-Up Steps:** Purchasing Department will issue Purchase Order to Area Mechanical, Inc. in the amount of \$85,654.

**RESOLUTION  
of the  
COUNTY BOARD OF THE COUNTY OF WINNEBAGO, ILLINOIS**

Sponsored by: Keith McDonald

Submitted by: Operations and Administrative Committee

**2024 CR**

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**RESOLUTION AWARDING PURCHASE TO REPLACE DOMESTIC HOT WATER SOURCE AT JUVENILE DETENTION CENTER USING CIP PSST 2023 FUNDS**

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**WHEREAS**, the Code of Ordinances for the County of Winnebago, Illinois, provides as in Section 2-357 (b) (1), Conditions for use. All procurements whose value equals or exceeds the competitive bidding threshold of \$30,000.00 shall be awarded by competitive sealed bidding in accordance with this section except as otherwise provided in 2-357(c) (Request for Proposals), 2-357(d) (Professional Services), 2-357(e) (Sole-Source), 2-357(f) (Emergency Procurements), 2-357 (g) (Cooperative Joint Purchasing) or as provided by State statute; and,

**WHEREAS**, Juvenile Detention Center building is in need of replacing the Domestic Hot Water Source; and,

**WHEREAS**, the County went out for Bid #24B-2324 Replace Domestic Hot Water Source at Juvenile Detention Center; and,

**WHEREAS**, the Operations and Administrative Committee of the County Board for the County of Winnebago, Illinois has reviewed the Bid Tab (Resolution Exhibit A) for the aforementioned purchase and recommends awarding to:

**AREA MECHANICAL, INC.  
2707 HUFFMAN BOULEVARD  
ROCKFORD, ILLINOIS 61103**

**NOW, THEREFORE, BE IT RESOLVED**, by the County Board of the County of Winnebago, Illinois, that the Director of Purchasing is authorized to issue a County Purchase Order, on behalf of the County of Winnebago, to Area Mechanical, Inc., 2707 Huffman Boulevard, Rockford, Illinois 61103

**BE IT FURTHER RESOLVED**, that this Resolution shall be in full force and effective immediately upon its adoption and the Clerk of the County Board is hereby authorized to prepare and deliver certified copies of this Resolution to the Director of Court Services, Juvenile Detention Center Administrator, Director of Purchasing, Finance Director, Facilities Director, County Board Office and County Auditor.

Respectfully Submitted,

**OPERATIONS AND ADMINISTRATIVE COMMITTEE**

**AGREE**

**DISAGREE**

\_\_\_\_\_  
KEITH McDONALD, CHAIR

\_\_\_\_\_  
KEITH McDONALD, CHAIR

\_\_\_\_\_  
VALERIE HANSERD, VICE CHAIR

\_\_\_\_\_  
VALERIE HANSERD, VICE CHAIR

\_\_\_\_\_  
PAUL ARENA

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PAUL ARENA

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JOHN BUTITTA

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JOHN BUTITTA

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JOE HOFFMAN

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JOE HOFFMAN

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JAIME SALGADO

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JAIME SALGADO

\_\_\_\_\_  
MICHAEL THOMPSON

\_\_\_\_\_  
MICHAEL THOMPSON

The above and foregoing Resolution was adopted by the County Board of the County of

Winnebago, Illinois this \_\_\_\_ day of \_\_\_\_\_ 2024.

ATTESTED BY:

\_\_\_\_\_  
**JOSEPH CHIARELLI**  
CHAIR OF THE COUNTY BOARD  
OF THE COUNTY OF WINNEBAGO, ILLINOIS

\_\_\_\_\_  
**LORI GUMMOW**  
CLERK OF THE COUNTY BOARD  
OF THE COUNTY OF WINNEBAGO, ILLINOIS

**BID TAB**

**24B-2324 Replace Domestic Hot Water Source at Juvenile Detention Center**

**Friday, February 16, 2024 - 10:00 AM**

VENDOR NAME	AREA MECHANICAL, INC.	MILLER ENGINEERING CO.	MECHANICAL, INC. DBA HELM SERVICE	HARTWIG MECHANICAL, INC.	CERONI PIPING COMPANY
OPTION 1 PRICE	\$85,654	234,050	\$107,000	\$156,395	\$132,275
OPTION 2 PRICE	\$150,142	\$209,700	\$147,191	\$170,830	\$182,265
OPTION 3 PRICE	NO BID	\$231,100	NO BID	NO BID	\$264,620
LEAD DAYS FOR MATERIALS	8 WKS BOILER 2 WKS WATER HEATER	6-8 WKS	OPT 1 - 4 WKS OPT 2 - 2 WKS	4-8 WKS	4 WKS
NUMBER OF DAYS TO COMPLETE WORK	2 WEEKS	10-12 DAYS	4 DAYS WATER ONLINE 2 WKS	10 DAYS	14 DAYS

**Option 1 Description**

Direct replacement of one (1) boiler, one (1) hot water storage tank, one (1) expansion tank and one (1) circulating pump.

**Option 2 Description**

Removal of one (1) boiler, one (1) hot water storage tank, one (1) expansion tank, and one (1) circulating pump, to be replaced with four (4) water heaters, one (1) expansion tank one (1) mixing valve and one (1) circulating pump.

**Option 3 Description**

Removal of one (1) boiler, one (1) hot water storage tank, one (1) expansion tank, and one (1) circulating pump, to be replaced with four (4) instant water heaters, one (1) expansion tank one (1) mixing valve and one (1) circulating pump.

ESTABLISHED 1880

# Rockford Steam Boiler Works, Inc.

Plibrico Refractories \* Retubing \* Certified Welding \* National Board Stamp Holders  
 13552 Metric Dr. \* P.O. Box 302 \* Roscoe, Illinois 61073  
 Phone (815) 963-0522 or (815) 389-1512  
 Fax: (815) 389-1509

## Report

Attention	: Shawn Franks	From	: Dan Tormey
Company	: Winnebago County	Company	: Rockford Steam Boiler Works
Tel.	:	Tel.	: (815)963-0522
E-Mail	: sfranks@fm.wincoil.gov	Fax	: (815)389-1509
Job	: Water Heater Assessment	E-Mail	: dan@rockfordsteamboiler.com
		Date	: 09/15/2023

We are pleased to offer the following quotation for your consideration:

On September 15th, 2023, our technician, Jeff Gray, performed an assessment of two water heaters at the Winnebago Juvenile Detention Facility. Below is a summary of his findings and recommendations.

### **AO Smith Hot Water Heater (140°)**

This water heater appears to be in good condition. No recommendations at this time.

### **AO Smith Hot Water Heater (105°)**

Water Heater shows signs of a leaking heat exchanger. Recommend replacement of unit.

We appreciate the opportunity to work with you.

If you have any questions, please contact our office, and we would be happy to help.

Dan Tormey

**Bid Overview: 24B-2324 Replace Domestic Hot Water Source at Juvenile Detention Center**

2023 June, the two heating boilers and two domestic hot water sources were needing to be replaced at the Juvenile Detention Center. Per committee direction the heating boilers were bid as their own project while the domestic hot water sources were put out for evaluation to determine if they needed to be replaced. Following this evaluation, it was determined one hot water source needed to be replaced that was tied to the bathrooms and showers. While the other hot water source was determined to not need to be replaced, this piece of equipment was tied to the kitchen.

Fall of 2023, Purchasing then went out for bid on the domestic water source for the 2<sup>nd</sup> time, due to one bid received. At that time, it was requested we incorporate additional options as a part of the scope of work, which was done as, three price options.

Purchasing and Facilities recommended the replacement of the hot water domestic source, for \$85,654. During this review for approval, it was asked if we could place a heat exchanger on the heating boilers to achieve the same function as the hot water source replacement. Below is a breakdown of British Thermal Units (BTU) required to understand options surrounding this domestic hot water source replacement.

The 105-degree domestic hot water boiler produces 1,100,000 BTU/hr. input and 825,000 BTU/hr. output making it 75% efficient piece of equipment. The important part of that is that the 105-degree domestic hot water source requires an output of 825,000 BTU/hr.

	Heating Boilers		<i>difference</i>
	OLD	NEW	
<b>Produces - Input (BTU/hr)</b>	1,630,000	1,440,000	<i>(190,000) decrease</i>
<b>Output (BTU/hr)</b>	1,304,000	1,224,000	<b>(80,000)</b> <i>decrease</i>
<b>Efficiency</b>	80%	85%	<i>5% Increase</i>

That is an efficiency of 85%. The increase in efficiency justified the decrease of size in the boiler. The new boiler output capacity was only reduced by **80,000 BTU/hr**. This change was addressed in a submittal with the company, which is normal once the bid approvals are complete. The company recommended the change based on a more efficient boiler being available without an increase to the cost to install. There was no official submittal because there was no change to the cost of the project. It was approved over the phone. Attached are photos of the old and new heating boilers.

With the upgrade to the HVAC system the load on the building was reduced by 840,000 BTU/hr. The addition of another heat exchanger onto the heating boilers to replace the domestic water boiler would require an input of 1,035,000 BTU/hr. to produce the required output of 825,000 BTU/hr. because that style heat exchangers is about 80% efficient. The input of the secondary heat exchanger would be approximately the same as the output of the primary.

Therefore, if you add the reduced load of the upgraded HVAC system to the reduced capacity of the new boilers you would have 920,000 BTU/hr. and the heat exchanger requires 1,035,000 BTU/hr. leaving us 115,000 BTU/hr. short. As it stands today, with the new boilers installed we are 195,000 BTU/hr. short of being able to add domestic water heat exchangers to the heating boilers. The systems engineer recommended its own domestic water source be utilized due to functionality and feasibility. This way if a future outage occurred you are not utilizing one source for hot water and heat in the facility. Facilities does prefer these operations separated for when one unit goes down only one system is affected.

The current domestic water source we are recommending to be replaced is a direct replacement for the existing equipment and requires 825,000 BTU/hr. output. We are recommending it be replaced with 825,000 BTU/hr. output.

Nothing is changing, no change of load or efficiency, therefore no change in the output BTU/hr. This is the normal practice when completing a direct replacement. If after we award the bid, the contractor installing can find something more efficient then a change may be made that also follows the purchasing ordinance.

If we were able to go the heat exchanger route, it does not change the fact that we still need a new glass lined storage tank, a new expansion tank, and a new circulating pump. That would all still need to be done if we were to add a domestic water heat exchanger to the heating boilers.

Committee was also provided a breakdown of the \$85,654 bid. At this time, Purchasing and Facilities would recommend we proceed with the initial bids.

ITEM	COST
Boiler	\$ 24,549.00
Circulating Pump	\$ 3,000.00
Storage Tank	\$ 19,258.00
Expansion Tank	\$ 2,957.00
Labor	\$ 18,000.00
Incidentals (Material / Rigging), Piping, Waste Renewal	\$ 17,890.00
	<b><u>\$ 85,654.00</u></b>



DOMESTIC BOILER (Existing)

DESIGN TESTED  
TO 240 P.S.I.  
MAX. WORK PRESS. 120 P.S.I.

**LOW PRESSURE BOILER**

MODEL NO. **HW1100SB 830S** TYPE OF GAS **NATURAL**

MFRS. SERIAL NO. **830 - 91 - 6 - D048 - S03**

BTU/HR. INPUT **1,100,000** BTU/HR. OUTPUT **825,000**

MIN. BTU/HR. INPUT **1,100,000** MIN. REL. VALVE CAP. **825,000** LBS./HR.

VOLTAGE/HZ **120/60** SCHEDULE NO.

HEATING SURFACE **21** SQ.FT. YEAR BUILT **1991**

MAX. GAS SUPPLY PRESS. **10** "W.C. MIN. GAS SUPPLY PRESS. **6.0** "W.C.

**PA.STD.NO.** FOR PURPOSES OF INPUT ADJUSTMENTS

OVERALL RATING: 12 AMPERES, OR LESS



MANIFOLD PRESS. **4.0** "W.C.

MAX. W.P. WATER **160** P.S.I.




THIS UNIT IS NOT TO BE USED WITH LIQUEFIED PETROLEUM GASES (TANK, BOTTLED OR CYLINDER).  
FOR INSTALLATION ON NON COMBUSTIBLE FLOORING.  
DESIGN COMPLIES WITH ANS Z21.13 a 1987 LOW-PRESS. BOILER, CATAGORY 1.

CERTIFIED BY  
**A.O. SMITH**  
ENTERPRISES LTD.  
STRATFORD, ONTARIO, CANADA

170816

OLD - Heating Boiler



**NATL. BD.** 92528  
 CERTIFIED BY **RAYPAK, INC.**  
 WESTLAKE VILLAGE,  
 CALIFORNIA

MAX W. P. WATER 160 PSI  
 MIN RELIEF VALVE CAP. 1304  
 HEATING SURFACE 129 SQ. FT.  
 MFR. SERIAL NO. 0491112528

**HOT WATER BOILER**  
 FOR INDOOR INSTALLATION ONLY

FOR INSTALLATION ON NON-COMBUSTIBLE FLOORS ONLY  
 \*FOR INSTALLATION ON COMBUSTIBLE FLOORING ONLY  
 WHEN INSTALLED ON SPECIAL BASE PART NUMBER

MODEL	PART NO.	MODEL	PART NO.
960	059233	1468	059237
1100	059234	1631	059238
1200	059235	1826	059239
1336	059236		

OPENINGS MUST REMAIN UNOBSTRUCTED OR DAMAGE TO UNIT WILL RESULT

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BTU/HR. OUTPUT 1,304,000

BTU/HR. INPUT 1,630,000  
 MIN INPUT RATE 342,300 BTU/HR.

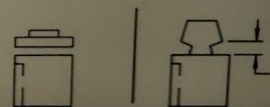
GAS NAT  
 MODEL NO. H2-1631A-BEBCAA  
 CATEGORY 1 BOILER

ANS Z 21.13 1987  
 LOW PRESSURE BOILER  
 P/N 900808

BOILER INSTALLED IN A SPACE  
 LARGE IN COMPARISON TO THE BOILER

	NAT	LPG
MAX. PERMISSIBLE GAS SUPPLY PRESSURE	14" W.C.	14" W.C.
MIN. PERMISSIBLE GAS SUPPLY PRESSURE FOR PURPOSE OF INPUT ADJUSTMENT	7" W.C.	12" W.C.
MANIFOLD PRESSURE	4" W.C.	11" W.C.

ELECTRICAL RATING:  
 120/24V 60 HZ. LESS THAN 12 AMPERES





# NEW - Heating Boiler

FOR ASSISTANCE, CALLER MUST HAVE MODEL & SERIAL NUMBERS

100159882 REV C

MODEL NO. CHN1442  
(NO. DE MODELE)  
SERIAL NO. 2407 13771421B  
(NO. DE SERIE)

LOCHINVAR, LLC  
300 MADDOX SIMPSON PARKWAY  
LEBANON, TN 37090

FACTORY EQUIPPED FOR NATURAL GAS

ALTITUDE	0-2,000	FT
INPUT RATING	1,440,000	BTU/HR
MINIMUM INPUT RATING	360,000	BTU/HR
OUTPUT	1,224,000.0	BTU/HR

	NATURAL	PROPANE	
MAX INLET GAS PRESSURE	14.0	14.0	IN WC
MIN INLET GAS PRESSURE	4.5	8.0	IN WC
MANIFOLD PRESSURE	1.20	4.60	IN WC

CRN V4046 2/M8021.51369087YTN4  
CONTROL NO. M13



THIS LABEL IS A DUPLICATE. ASME NAMEPLATE IS ATTACHED TO THE HEAT EXCHANGER

ASME H

414061  
CERTIFIED BY LC  
MAWP WATER 160.0 PSI  
MAX WATER TEMP 240 °F  
HEATING SURFACE 144.00 ft<sup>2</sup>  
MIN RV CAPACITY 1,224.00 LB/HR  
MEG SN 24414061 YR 24



CSA/ANSI Z21 13.22/CSA 4.9-22 CATEGORY I  
BOILER  
CHAUDIERE  
EQUIPEE POUR LE GAZ NATUREL

ALTITUDE	0-2,000	FT
ESTIMATION D'ENTREE	422	KW
RENDIMENT	105.52	KW
PRESSION MAX. DE L'EAU	359	KW
CAPACITE MIN DE VALVE DE RELIE	11.0	bar
	258.75	KW

	NATURAL	PROPANE	
PRESSION DE GAZ MAX D'ADMISSIO	14.9	14.9	mbar
PRESSION DE GAZ MIN D'ADMISSIO	11.2	19.9	mbar
PRESSION DIVERSE	2.99	11.46	mbar

VENTING FOR INDOOR OR OUTDOOR INSTALLATION. OUTDOOR INSTALLATION USE V-VENT  
A SPECIAL VENT SYSTEM. FOR DIRECT VENT INSTALLATION OR FOR INSTALLATION USING  
INDOOR COMBUSTION AIR, THIS APPLIANCE REQUIRES A SPECIAL VENTING SYSTEM. SEE THE  
INSTALLATION INSTRUCTIONS NO. 13010484 FOR PARTS LIST AND METHOD OF INSTALLATION.  
INSTALLATION FOR INSTALLATION ON COMBUSTIBLE FLOORING FOR ABOVE INSTALLATION  
ELECTRICAL INSTALLATION (SEE TABLE A)  
COMPLY WITH THE REQUIREMENTS OF ASHRAE STANDARD 90.1  
PATENT NO. 5988202, 6184217 AND 6184217

CLEARANCES TO COMBUSTIBLES				SERVICE CLEARANCES	
DÉTAILS MINIMUMS À RESPECTER ENTRE LES PARTIES DE L'APPAREIL ET LES COMBUSTIBLES COMBUSTIBLES				ESPACE À RESPECTER POUR LA MAINTIENANCE	
TOP CLEARANCE	2 IN	LEFT (SIDE)	6 IN	FRONT (AVANT)	36 IN
FLUE (DRAINAGE OF FURNACE)	2 IN	RIGHT (SIDE)	6 IN	LEFT (CÔTÉ)	36 IN
BACK (REAR)	2 IN				

TABLE A	
MIN. CLEARANCE	MAX. CLEARANCE
71.8 AMP	14.8 AMP

VENTILATION INSTALLER A L'INTERIEUR OU A L'EXTERIEUR POUR LA INSTALLATION EXTERIEUR  
REQUIREMENT USE FOR INSTALLATION. OUTDOOR INSTALLATION USE V-VENT  
EVALUATION SUBJECT TO ANY AIR COMBUSTION. FOR INSTALLATION USING  
SYSTEMS VENTILATION PARTICULIER. VOIR LES INSTRUCTIONS POUR LA INSTALLATION  
REQUIREMENT POUR LA INSTALLATION. VOIR LES INSTRUCTIONS POUR LA INSTALLATION  
INSTALLATION INSTALLER SUR UN PLANCHER COMBUSTIBLE. INSTALLATION EXTERIEUR  
ELECTRIQUE. (VOIR LE TABLEAU A)

County Board Meeting: April 25, 2024

**ORDINANCE  
OF THE  
COUNTY BOARD OF THE COUNTY OF WINNEBAGO, ILLINOIS**

2024 CO \_\_\_\_\_

SUBMITTED BY: OPERATIONS AND ADMINISTRATIVE COMMITTEE

SPONSORED BY: JOHN PENNEY

**ORDINANCE AMENDING SECTION 14-68 (DOGS RUNNING AT LARGE) OF THE  
ANIMAL CONTROL ORDINANCE OF WINNEBAGO COUNTY, ILLINOIS**

**WHEREAS**, Winnebago County, Illinois (“County”) has an interest in protecting the health and welfare of its citizens, as well as the health and welfare of domestic pets within its jurisdiction; and

**WHEREAS**, Chapter 14 of the Winnebago County Code of Ordinances is entitled “Animal Control Ordinance of Winnebago County” and it regulates conduct relating to dogs and cats; and

**WHEREAS**, the County Board of the County of Winnebago, Illinois, desires to amend Section 14-68 (Dogs Running at Large) of the Animal Control Ordinance of Winnebago County.

**NOW, THEREFORE, BE IT ORDAINED**, by the County Board of the County of Winnebago, Illinois, that Section 14-68 of the Winnebago County Code of Ordinances, is hereby amended to read as follows:

**Sec. 14-68. - Dogs running at large.**

No person who is the owner of a dog shall cause or permit his dog to run at large in the unincorporated areas of the county. ~~which have been subdivided for residential purposes.~~

(Code 1964, § 5-9; Ord. No. 88-CO-82, § 5-9, 11-22-88)

**BE IT FURTHER ORDAINED**, that all ordinances or parts of ordinances in conflict herewith are hereby repealed to the extent of such conflict.

**BE IT FURTHER ORDAINED**, that this Ordinance shall be in full force and effect immediately upon signing.

**BE IT FURTHER ORDAINED**, that the Clerk of the County Board is hereby directed to prepare and deliver a certified copy of this Ordinance to the County Administrator, the Administrator of the Winnebago County Animal Services Department, and the County Board Office.

Respectfully submitted,  
**OPERATIONS AND ADMINISTRATIVE COMMITTEE**

**AGREE**

**DISAGREE**

\_\_\_\_\_  
Keith McDonald, Chairman

\_\_\_\_\_  
Keith McDonald, Chairman

\_\_\_\_\_  
John Butitta

\_\_\_\_\_  
John Butitta

\_\_\_\_\_  
Michael Thompson

\_\_\_\_\_  
Michael Thompson

\_\_\_\_\_  
Paul Arena

\_\_\_\_\_  
Paul Arena

\_\_\_\_\_  
Joe Hoffman

\_\_\_\_\_  
Joe Hoffman

\_\_\_\_\_  
Valerie Hanserd

\_\_\_\_\_  
Valerie Hanserd

\_\_\_\_\_  
Jaime Salgado

\_\_\_\_\_  
Jaime Salgado

The above and foregoing Ordinance was adopted by the County Board of the County of Winnebago, Illinois, this \_\_\_\_\_ day of \_\_\_\_\_, 2024.

\_\_\_\_\_  
Joseph V. Chiarelli  
Chairman of the County Board  
of the County of Winnebago, Illinois

Attested by:

\_\_\_\_\_  
Lori Gummow  
Clerk of the County Board  
of the County of Winnebago, Illinois