

**CAMBRIDGE WATER, SEWER, AND STORMWATER COMMITTEE
AMUNDSON COMMUNITY CENTER
200 SPRING STREET – COMMUNITY ROOM
AGENDA
6:30 PM
APRIL 18, 2023**

- 1. Call to Order/Roll Call**
- 2. Proof of Posting**
- 3. Approval of consent agenda**
 - a. Meeting Minutes from 03-21-2023
- 4. Approval of Bills**
- 5. Reports**
 - a. Utility Clerk
 - b. Staff Report
- 6. Old Business:**
 - a. Discussion and Possible Action Regarding – Meter Reading Equipment Upgrade. MSA Procurement Assistance Agreement
 - b. Discussion and Possible Action Regarding – Regionalization with Village of Rockdale
 - c. Discussion and Possible Action Regarding – Generator for well #2
 - d. Discussion and Possible Action Regarding – Replacement Truck for W&S Dept.
- 7. New Business:**
 - a. Discussion and Possible Action Regarding – Byron Quam Large Water Usage
 - b. Public Hearing on Water Rate Increase – Ehlers
- 8. Public Comment**
- 9. Questions, Referrals to Staff or Future Agenda Items**
- 10. Adjournment**

Vicki Redford, Utility Clerk

- a) Persons needing special accommodations should call 608-423-3712 at least 24 hours prior to the meeting.
- b) More specific information about agenda items may be obtained by calling 608- 423-3712.
- c) A quorum of the Water & Sewer committee will attend this meeting for the purpose of gathering information relevant to their responsibilities as Water & Sewer committee members.
- d) Final Agendas are typically posted by 4 PM on the Friday preceding the regular meeting at the Amundson Community Center, Cambridge Post Office, Hometown Bank and Village of Cambridge Web site at www.ci.cambridge.wi.us

**CAMBRIDGE WATER, SEWER, AND STORMWATER COMMITTEE
AMUNDSON COMMUNITY CENTER
200 SPRING STREET – COMMUNITY ROOM
MINUTES
6:30 PM
MARCH 21, 2023**

1. **Call to Order/Roll Call:** Breunig called the meeting to order at 6:29pm. Members present: Ted Kumbier, Larry Gunseor, and Kris Breunig. Members absent: Steve Struss. Others present: Mike Reiber from Dancing Goat, President Mark McNally. Village Staff: Derek Schroedl, and Vicki Redford.
2. **Proof of Posting:** Agendas were posted in the upper and lower levels of the Amundson Community Center, Badger Bank, Cambridge Post Office, and the Village Website.

3. Approval of consent agenda

- a. Meeting Minutes from 01-17-2023

Kumbier made a motion to accept the consent agenda as presented. Gunseor seconded the motion. Motion carried.

4. Approval of Bills:

Kumbier made a motion to accept the bills in the amount of \$70,056.96 Gunseor seconded the motion. Motion carried on a 3-0 vote.

5. Reports

- a. Utility Clerk: The Public Hearing on our water rate increase will be at next months W&S meeting. I'm helping with early voting as well as preparing for the PSC Report, and audit. We are all working to get office work done. I also do my daily, weekly, monthly duties.
- b. Staff Report: Schroedl told the Committee that things are running smoothly. DPW worker Garcia passed the first two classes for the water department.

6. Old Business:

- a. Discussion and Possible Action Regarding – Meter Reading Equipment – MSA: Art Bahr from MSA told the Committee that he would be happy to help us through the process of purchasing updated meter reading equipment. There was discussion that an antenna could work remotely from the office to do water meter reading. He also said he could work with us through the RFP process. The Committee said they would like Bahr to help the Water Department update our meter reading system. Bahr said he would like a meeting with water operator Schroedl to get an idea of what our needs are. They will set up that meeting.
- b. Discussion and Possible Action Regarding – Generator Well #2: Bahr from MSA said there are grants from Wisconsin Emergency Management for COVID relief still available. The application is due June 23rd. The grant could offer a savings of 87.5% on the total price of the generator.

Kumbier made a motion to have Art Bahr from MSA pursue getting funds through WEMS to help pay for the generator for well #2. Breunig seconded. Motion passed.

7. New Business:

- a. Discussion of Fluoride in Village Water: The Committee discussed that there are many benefits to having fluoride in the water. It is beneficial for children and adult's teeth. Water operator Schroedl said the cost to fluoridate the water is about \$70 a month. The fluoride is tested daily as well as on weekends to keep the fluoride level where it needs to be.
- b. Discussion and Possible Action Regarding – Utility Pickup Truck: Committee member Kumbier said the Water Department F150 truck is in bad shape and a new truck is needed. The Committee decided a 4-wheel drive would be best. Schroedl said he can get some pricing on trucks and see what's available.

Kumbier made a motion for Water Operator Schroedl to get some pricing on trucks not to exceed \$50,000 Gunseor seconded the motion. Motion passed.

- 8. Public Comment:** Mike Reiber from the Dancing Goat told the Committee about a large filter that they installed at their facility. Also, Dancing Goat would like more completed test result sheets in the monthly packet. Schroedl is going to send Reiber the last nine months of completed sheets. Moving forward, these completed test sheets will be included in the monthly Water & Sewer meeting packet.

9. Questions, Referrals to Staff or Future Agenda Items:

1. Meter Reading Equipment
2. Generator for well #2
3. Truck replacement for Water Department

- 10. Adjournment:** *Kumbier made a motion to adjourn the meeting. Gunseor seconded the motion. Breunig adjourned the meeting at 7:05pm.*

Vicki Redford, Utility Clerk

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4/14/2023 9:32 AM

In Progress Checks - Full Report - ALL

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ALL Checks by Payee

ACCT

HOMETOWN BANK GENERAL OPERATING

Dated From: 4/18/2023 From Account:

Thru: 4/18/2023 Thru Account:

Voucher Nbr	Check Date	Payee	Amount
4/18/2023 ABT Mailcom			
APRIL BILLING			
500-00-53700-681-100		POSTAGE	191.78
		APRIL BILLING	44953
600-00-53700-851-300		POSTAGE EXPENSE	191.79
		APRIL BILLING	44953
800-00-58100-681-100		POSTAGE	191.79
		APRIL BILLING	44953
			Total 575.36
4/18/2023 CAMBRIDGE ACE HARDWARE			
WATER TOWER SUPPLIES			
500-00-53700-640-000		SUPPLIES AND EXPENSES	11.48
		WATER TOWER SUPPLIES	B133074
			Total 11.48
4/18/2023 CAMBRIDGE/OAKLAND WASTEWATER COMMISSION			
APRIL BILL 2023			
600-00-53700-824-000		PAYMENTS TO COWC	63,493.97
		APRIL BILL 2023	MARCH
			Total 63,493.97
4/18/2023 DIGGERS HOTLINE INC			
MARCH 2023			
500-00-53700-689-100		DIGGERS HOTLINE EXPENSES	24.62
		MARCH 2023	230 3 46201
			Total 24.62
4/18/2023 EHLERS AND ASSOCIATES INC			
WELL #3 PROJECT			
200-00-57915-000-000		WELL #3 PROJECT	18,000.00
		WELL #3 PROJECT	93725
			Total 18,000.00
4/18/2023 FARRAR, LEE			
STATE LABS			
500-00-53700-660-000		VEHICLE/FUEL EXPENSES	20.96
		STATE LABS	3-28-2023
500-00-53700-660-000		VEHICLE/FUEL EXPENSES	20.96
		STATE LABS 4-13-23	MILAGE

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ALL Checks by Payee

ACCT

HOMETOWN BANK GENERAL OPERATING

Dated From: 4/18/2023 From Account:

Thru: 4/18/2023 Thru Account:

Voucher Nbr	Check Date	Payee	Amount
Total			41.92
4/18/2023 GARCIA, CODY			
LACROSS CONFERENCE MEAL			
500-00-53700-681-500		STAFF TRAINING	15.82
		LACROSS CONFERENCE MEAL	
		CONFERENCE	
Total			15.82
4/18/2023 MARTELLE WATER TREATMENT			
SODIUM HYPOCHL BLK/HYDROFL ACID BLK			
500-00-53700-630-000		CHEMICALS	395.61
		SODIUM HYPOCHL BLK/HYDROFL ACID BLK	
		24881	
Total			395.61
4/18/2023 NAPA AUTO PARTS			
JETTER PARTS			
600-00-53700-831-400		SEWER PREVENTATIVE MAINT.	56.98
		JETTER PARTS	
		739233	
Total			56.98
4/18/2023 OAKLAND SANITARY DISTRICT			
APRIL BILL			
600-00-53700-822-000		PAYMENTS TO REGIONAL PLANT	453.50
		APRIL BILL	
		MARCH	
Total			453.50
4/18/2023 SCHROEDL, DEREK			
WATER CONFERENCE MILEAGE			
500-00-53700-660-000		VEHICLE/FUEL EXPENSES	203.05
		WATER CONFERENCE MILEAGE	
		MILAGE	
Total			203.05
4/18/2023 STATE OF WI DEPARTMENT OF ADMINISTRATION			
DNR PROJECT ID 5055-03			
500-00-53700-427-000		LT DEBT - INTEREST	12,759.21
		DNR PROJECT ID 5055-03	
		19506	
Total			12,759.21
4/18/2023 USA BLUE BOOK			
HARD BUFFER SOL/TST TUBE BRUSH/HACH FLUO			

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In Progress Checks - Full Report - ALL

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ALL Checks by Payee

ACCT

HOMETOWN BANK GENERAL OPERATING

Dated From: 4/18/2023 From Account:

Thru: 4/18/2023 Thru Account:

Voucher Nbr	Check Date	Payee	Amount
500-00-53700-640-000		SUPPLIES AND EXPENSES	167.03
		HARD BUFFER SOL/TST TUBE BRUSH/HACH FLUO 307258	
500-00-53700-640-000		SUPPLIES AND EXPENSES	194.09
		PIPET,HACH PAN INDIC SOL,ALKA CYANIDE 301437	
		Total	361.12
<hr/>			
	4/18/2023	WISCONSIN STATE LABORATORY OF HYGIENE	
		FLUORIDE/FLDFLUOR	
500-00-53700-630-000		CHEMICALS	28.00
		FLUORIDE/FLDFLUOR 739218	
		Total	28.00
		Grand Total	96,420.64

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In Progress Checks - Full Report - ALL

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ALL Checks by Payee

ACCT

HOMETOWN BANK GENERAL OPERATING

Dated From: 4/18/2023 From Account:

Thru: 4/18/2023 Thru Account:

Amount

Total Expenditure from Fund # 200 - CAPITAL PROJECTS FUND	18,000.00
Total Expenditure from Fund # 500 - WATER UTILITY	14,032.61
Total Expenditure from Fund # 600 - SEWER UTILITY	64,196.24
Total Expenditure from Fund # 800 - STORMWATER UTILITY	191.79
Total Expenditure from all Funds	96,420.64

Prescribed (by DNR) Water Testing

Per week: Interval (#)

Fluoride: Daily (7)

Distribution Chlorine Free: Twice Weekly (2)

Post-Iron Filter Chlorine: Weekly (1)

Iron Entry Point: Twice Weekly (2)

Hardness Entry Point: Twice Weekly (2)

Total: 14 water tests per week for our normally prescribed monitoring.

WQI Maintenance Plan Testing

Per week: Interval (#)

Fluoride: Daily (7)

Chlorine Free – Shop: Daily (7)

Chlorine Total – Shop: Daily (7)

Iron Entry Point: Daily (7)

Manganese Entry Point: Daily (7)

Hardness Entry Point: Daily (7)

Chlorine Free Pre-Iron Fltr: Mon+Wed+Fri (3)

Chlorine Total Pre-Filter: Mon+Wed+Fri (3)

Iron Pre-Filter: Mon+Wed+Fri (3)

Manganese Pre-Filter: Mon+Wed+Fri (3)

Chlorine Free Post-Filter: Mon+Wed+Fri (3)

Chlorine Total Post-Filter: Mon+Wed+Fri (3)

Iron Post-Filter: Mon+Wed+Fri (3)

Manganese Post-Filter: Mon+Wed+Fri (3)

Total: 66 water tests per week.

WQI Water Quality Investigations

Softener Optimization - Cambridge Well 2

Entry Point Testing – Weekday (tested at shop)

If results do not meet targets, investigate filter and/or softener performance.

Target Range:	1.3 - 1.5	1.3 - 1.5	< 0.3	0.7 - 1.0	< 0.05	< 0.006	70 - 100
Day of test:	M - F	M - F	M - F	M - F	M, W, F	M, W, F	M - F
Location:	At Shop				At Entry Point		
Date and Time	* Free Chlor. (mg/L)	Total Chlor. (mg/L)	Total Chlorine minus Free Chlorine (mg/L)	* Fluoride (mg/L)	* Iron (mg/L)	Mn (mg/L)	* Hardness (mg/L)
3-1	1.14	1.34	.20		0.00	0.002	60
3-2	0.98	1.22	.24		0.02	0.003	76
3-3	0.92	1.12	.20		0.01	0.002	78
3-6	0.60	0.75	.15		0.05	0.004	71
3-7	0.86	1.06	.20		0.01	0.003	76
3-8	0.76	0.91	.15		0.02	0.006	78
3-9	0.75	0.95	.20		0.07	0.010	87
3-10	0.50	0.76	.26		0.02	0.006	103
3-13	0.50	0.63	.13		0.04	0.006	73
3-14	0.52	0.68	.16		0.04	0.005	74
3-15	0.44	0.63	.15		0.02	0.006	78
3-16	0.61	0.71	.10		0.00	0.003	76
3-17	0.46	0.65	.19		0.05	0.004	79
3-20	0.74	0.79	.05		0.03	0.007	71
3-21	0.64	0.79	.15		0.03	0.003	90

WQI Water Quality Investigations

Softener Optimization - Cambridge Well 2

Entry Point Testing - Weekday (tested at shop)

If results do not meet targets, investigate filter and/or softener performance.

Target Range:	1.3 - 1.5	1.3 - 1.5	< 0.3	0.7 - 1.0	< 0.05	< 0.006	70 - 100
Day of test:	M - F	M - F	M - F	M - F	M, W, F	M, W, F	M - F
Location:	At Shop				At Entry Point		
Date and Time	Free Chlor. (mg/L)	Total Chlor. (mg/L)	Total Chlorine minus Free Chlorine (mg/L)	Fluoride (mg/L)	Iron (mg/L)	Mn (mg/L)	Hardness (mg/L)
3-22	0.73	0.85	.12		0.00	0.004	79
3-23	0.70	0.90	.20		0.02	0.004	106
3-24	1.05	1.23	.18		0.00	0.005	72
3-27	0.86	1.06	.20		0.02	0.004	76
3-28	1.00	1.20	.20		0.03	0.002	120
3-29	1.05	1.19	.14		0.02	0.000	82
3-30	0.83	1.02	.19		0.00	0.004	78
3-31	0.83	0.99	.16		0.02	0.004	79

To: Lisa Moen, Administrator
Vicki Redford, Utility Clerk
Village of Cambridge, Wisconsin

From: Dan Greve, MSA Professional Services

Subject: Village of Rockdale Wastewater Regionalization - April 11, 2023 meeting

Date: April 13, 2023

This memo is intended to summarize the meeting that was held at the Village of Cambridge on April 11, 2023 to discuss the proposed plan for regionalizing the treatment of wastewater produced by the Village of Rockdale.

Meeting attendees were:

Lisa Moen, Kris Breunig, Steve Struss, Derek Schroedl (Village of Cambridge)
Jim Lein, Steve Anderson (Village of Rockdale)
Lukasz Lyzwa (General Engineering Co.; representing Village of Rockdale)
Dan Greve, (MSA Professional Services; representing Village of Cambridge)

The Village of Rockdale is investigating the potential for pumping wastewater to the Village of Cambridge sanitary sewer system, from which the wastewater would subsequently be pumped by the Village's main pump station on Water Street, to the wastewater treatment plant owned and operated by the Cambridge-Oakland Wastewater Commission.

Lukasz Lyzwa from General Engineering provided an agenda for the meeting. To pump wastewater from Rockdale to Cambridge, the Village of Rockdale would construct, own, and operate a wastewater pump station located at the site of their existing wastewater treatment facility, and forcemain piping from the new pump station to the existing sanitary sewer in the Village of Cambridge. Two routes are being investigated for the forcemain: one along Highland Road and one along County Highway "B". The Highland Road route is somewhat shorter (12,000 feet vs. 14,500 feet) but must overcome a higher elevation. The County Highway "B" route requires one river crossing. General Engineering will be conducting more detailed evaluation of the forcemain routes, but they indicated that based on their preliminary review the preferred route is along County Highway "B". The County Highway "B" route might be the Village of Cambridge's preference as well,

because it would require the wastewater from Rockdale to pass through a much shorter distance of Cambridge's gravity sewer system before reaching the main pump station.

The potential fee structure for wastewater charges from the Village of Cambridge to the Village of Rockdale was discussed. There seemed to be a general consensus among the Village of Cambridge representatives at the meeting that the Village of Rockdale would be considered as a single customer to the Cambridge sanitary sewer utility. The Village of Cambridge has latitude in establishing the connection fee, the monthly (or quarterly) fixed charge, and the volume charge. Wastewater charges are not subject to review by the Wisconsin Public Service Commission before adoption.

It was indicated that the estimated wastewater volume from the Village of Rockdale would be 15,000 to 20,000 gallons per day. The peak day flow is uncertain but was indicated to be approximately 30,000 gallons per day. The peak pumping rate is uncertain but was suggested that the pumping rate would be limited to approximately 100 gallons per minute. It is assumed that the wastewater from the Village of Rockdale will have a strength typical of domestic wastewater. Wastewater flow from Rockdale would be continuously metered and would be sampled/tested on a frequency to be determined. It is not anticipated that a high strength waste surcharge would be necessary.

There was a brief discussion of the Village of Cambridge's main concerns with respect to accepting the wastewater flow from the Village of Rockdale:

- The potential for odor generation from the manholes along Cambridge's sanitary sewer system through which the Rockdale wastewater would flow, and odor generation at Cambridge's main pump station. (Assuming 14,500 feet of 8-inch diameter forcemain and an average day flow of 15,000 gallons, the wastewater from Rockdale would have a detention time of approximately 2.5 days in the forcemain before being discharged to the Cambridge sanitary sewer system.)
- The hydraulic capacity of the Cambridge sanitary sewer mains through which the Rockdale wastewater would flow.
- The hydraulic capacity of Cambridge's main pump station.

It was agreed that the Village of Cambridge will develop a written list of questions for the Village of Rockdale regarding the proposed project, and Rockdale will provide a list of questions to Cambridge regarding the required conditions for acceptance of Rockdale's wastewater flows. MSA will assist Cambridge in developing the questions to be asked of Rockdale. We will also review the information provided by Rockdale, and the three bullet point items above, and make recommendations to Cambridge with respect to the project.

An Intermunicipal Agreement will need to be developed for the proposed regionalization of wastewater service; the Wisconsin Department of Natural Resources (WDNR) will make that a condition of their funding provided to the Village of Rockdale for the project. MSA can provide examples of Intermunicipal Agreements for the provision of wastewater service, but since the intermunicipal agreement will be required of Rockdale by the WDNR

it may be best to let the Village of Rockdale's attorney take the lead on that. The Village of Cambridge should have their own attorney review the proposed Agreement

The Village of Cambridge should consider requesting that the Village of Rockdale pay the costs for professional services (engineering and legal) associated with the project that are incurred by Cambridge. The Village of Rockdale should be able to be reimbursed for those costs through the funding of their project, which is expected to include a 70% grant component. This will assure that the Village of Cambridge doesn't incur costs for a project that might not come to fruition.

If you have any questions regarding this memo, or the concept of Rockdale wastewater regionalization in general, please contact me by email at dgreve@msa-ps.com or by telephone at (608) 355-8873.



10915 W. Rogers St.
Milwaukee, WI 53227

: Village of Cambridge Water & Sewer

Phone: (414) 934-5515 Fax: (414) 328-3331

www.badgertruck.com

: **S7617 CM Truck Body 9' service body**

=====
Date: April 10, 2023 Time: 9:50 AM Terms: **Due on Delivery** Contact: Derek Schroedl
Phone # 262-269-9494 Fax # contact fax E-mail: dschroedl@ci.cambridge.wi.us
=====

**** SALES QUOTATION ****

1. Supply and Install (1) CM Truck Beds 9' Service Body

- A. CM SB11094VVSS 9' service body
- B. 16ga A60 Galvanneal construction
- C. 11-Gauge Galvanneal Deck
- D. Stainless Steel Rod & Socket Door Hinges; Gas Cylinder Style Door Holders
- E. LED Rear Lighting with Wiring Harness
- F. Automotive Stainless Steel Rotary Latches
- G. Automotive D-Bulb Weather Stripping
- H. Multi Panel Doors with Internal Reinforcements
- I. Toolbox Interior Powdercoated
- J. Heavy Duty Rear Tailgate
- K. 40"H x 22-1/4"D compartments
- L. 48-1/2"W cargo floor
 - a. (1) row of E-tack mounted down each side of cargo area
- M. Driver's side:
 - a. 1st vertical 32"W Ctech 6 drawer toolbox
 - i. (3) 3" drawers, (1) 4", 5" & 6" drawer
 - b. Horizontal 50"W open
 - c. Rear vertical 28"W (1) adjustable flat shelf
- N. Passenger Side:
 - a. 1st vertical 32"W (2) adjustable trays
 - b. Horizontal 50"W open
 - c. Rear vertical 28"W (1) adjustable flat shelf
- O. Master bar locking system for all doors
- P. Punched, lighted, recessed bumper
- Q. Class V 2" receiver tube trailer hitch
- R. Aluminum screen cab protector painted white to match body
- S. Vision & Safety kit
- T. Powdercoated white
- U. Installed complete

Total \$15,900.00

*****Based on bare chassis**

ALL SALES TAX AND FET TAX WILL BE ADDED

Submitted by: Shawn Centell 4-5-23 Quote firm 30 days. Terms: Net on delivery. PO # _____
Quote and terms accepted by: _____ Title: _____ Date accepted _____

THANK YOU for the opportunity to submit our quote for your consideration



Monroe Truck Equipment, Inc.
 Monroe, WI 53566
 Sales Rep: Rick Nafzger
 Ph: (608) 558-0285
 www.MonroeTruck.com

J.O. #
 Quotation ID: 9RLD000973
 Date: 4/10/2023
 Valid thru: 5/10/2023
 Terms: C.O.D.
 Quoted by: Rich Detra
 Ph/Fax: 608-329-8158 / 608-329-8521

Quoted to:
 CAMBRIDGE VILLAGE OF (ATTN: DEREK SCHROEDL)
 CAMBRIDGE, WI
 Ph: / Fax:
 Email: DSCHROEDL@CI.CAMBRIDGE.WI.US

Chassis Information

Year: 2017	Make: RAM	Model: RAM 3500	Chassis Color:	Cab Type: REGULAR
Single/Dual: DRW	CA: 60.0	CT: -1.0	Wheelbase: 144.0	Engine: GAS
			F.O. Number #:	Vin:

Monroe Truck Equipment, Inc. is pleased to offer the following quote for your review:

Description	Amount
108" READING CLASSIC II ALUMINUM SERVICE BODY	
- ALUMINUM UNDERSTRUCTURE	
- 48.5" LOAD SPACE	
- 3/16" ALUMINUM DIAMOND PLATE FLOOR	
- HEAVY GAUGE, ALL ALUMINUM DOOR CONSTRUCTION	
- HIDDEN DOOR HINGES	
- STAINLESS STEEL ROTARY PADDLE LATCHES	
- NITROGEN GAS STRUT DOOR HOLDERS	
- AUTOMOTIVE BUBBLE TYPE & MECHANICAL DOOR SEALS	
- EAGLE BEAK STYLE ROLLED & PRESSED DRIP EDGE	
- ADJUSTABLE COMPARTMENT TRAYS/SHELVES	
- KNEEBRACED SLAM ACTION TAILGATE	
- SEAMLESS WHEELHOUSE PANEL	
- LED S/T/T LIGHTS RECESSED IN BODY END PANELS	
- ACRYLIC E-COAT IMMERSION PRIMER SYSTEM & POWDER COATED FINISH	
- INSTALLED	
TOWING	
- 2-1/2" TRAILER RECEIVER	
- 7WAY RV TRAILER PLUG	
Quote Total:	\$13,546.00

**** DUE TO CURRENT MARKET CONDITIONS, IF THE CHASSIS WILL NOT BE ON-GROUND AT MONROE TRUCK EQUIPMENT WITHIN 240 CALENDAR DAYS OF ORDER DATE, WE WILL REQUIRE A MINIMUM 50% DOWN PAYMENT BEFORE THE 210TH DAY. IF YOU ARE NOT ABLE TO PROVIDE A DOWN PAYMENT, YOUR MUNICIPALITY COULD BE SUBJECT TO A MINIMUM OF 3% - 5% PRICE INCREASE ON BID PRICE AT TIME OF INVOICE!**

Down Payment Due Date: _____

Additional Options:

Description	Amount	Add to quote?
LED COMPARTMENT LIGHTS	\$1,340.00	Yes / No
BACK UP ALARM	\$133.00	Yes / No
SPRAY IN LINER	\$967.00	Yes / No
- COMPLETE LOAD SPACE AND TAILGATE		
- BUMPER		

Terms & Conditions

- Terms are Due Upon Receipt unless prior credit arrangements are made at the time of order.
 - Please note if chassis is furnished, it is as a convenience and terms are Net Due on Receipt of Chassis.
 - State and Federal taxes will be added where applicable. **Out-of-state municipal entities may be subject to Wisconsin sales tax.**
 - Restocking fees may be applicable for cancelled orders.
 - MTE is not responsible or liable for equipment that does not meet local/state regulations if those laws are not made known at time of order.
- By signing and accepting this quote, the customer agrees to the terms listed above and has confirmed that all chassis information listed above is accurate to chassis specs.

Re-Assign (Required for all pool units): <input type="checkbox"/> Fleet <input type="checkbox"/> Retail	MSO/MCO (ONLY check if legally required): <input type="checkbox"/> MCO <input type="checkbox"/> MSO	
Customer Signature:	Customer P.O. Number:	Date of Acceptance:





306 W. State St.
Janesville, WI 53546-2556

(608) 754-6608 (800) 458-1123
fax: (608) 754-0675
www.NorthlandEquipment.com

Quote
#: 0079852

Date: 4/3/2023
Created By: JAY
Salesperson: JAY
Customer #: CAMBV

Sold To:
VILLAGE OF CAMBRIDGE
200 SPRING ST
Cambridge, WI 53523

Ship To:
VILLAGE OF CAMBRIDGE
200 SPRING ST
Cambridge, WI 53523

Confirm To: DEREK SCHROEDL- 608-480-9274 Customer P.O.: Terms: Net due on receipt of goods

Ordered	Unit	Item Number	Description	Price	Amount
1.00	EACH	/SALES UTILITY	Utility body Sales 3070	13,170.00	13,170.00
			READING ALUMINUM CLASSIC II SERVICE BODY MODEL - CL AL 108 SW RW1 40 U6 AA FFR 108" LENGTH ID - 40" HEIGHT OD - 77 1/2" WIDTH OD 48 1/2" WIDTH ID - 14 1/2" COMPARTMENT DEPTH COMPARTMENT DIMENSIONS: C/S & R/S FRONT VERTICAL - 33" WIDTH ID - 40" HEIGHT ID - 14 1/2" DEPTH C/S & R/S HORIZONTAL - 47" LENGTH ID - 18 1/2" HEIGHT ID - 14 1/2" DEPTH C/S & R/S REAR VERTICAL - 28" WIDTH ID - 40" HEIGHT ID - 14 1/2" DEPTH (8) TOTAL ADJUSTABLE AND REMOVABLE SHELVES (2) IN EACH FRONT VERTICAL - (1) IN EACH HORIZONTAL AND REAR VERTICAL G60 SPANGLE GALVANIZED - 250# STATIC CAPACITY (16) TOTAL GALVANIZED DIVIDERS UNDERSTRUCTURE: .190 (3/16") 5052-H32 FLOOR WIDTH ALUMINUM CHANNEL FRONT CROSSMEMBER .190 (3/16") 5052-H32 FLOOR WIDTH ALUMINUM CHANNEL REAR CROSSMEMBER (2) - .190 (3/16") 5052-H32 FULL WIDTH ALUMINUM CHANNEL REAR CROSSMEMBER (1) FORE AND (1) AFT OF WHEELHOUSE (3) - .190 (3/16") 6061-T6 EXTRUDED ALUMINUM CHANNEL FULL LENGTH LONGSILLS UNDERSTRUCTURE FULLY UNDERCOATED BODY CONSTRUCTION: .125 (1/8") 5086-H32 ALUMINUM DIAMONDPLATE CARGO FLOOR FULL UNOBSTRUCTURE CARGO STORAGE - "NO WHEELBOXES" .090 (12 GA) 5052-H32 ALUMINUM FRONT - SIDE AND REAR PANELS DOOR CONSTRUCTION: ALL DOUBLE PANEL DOORS - 1 1/4" THICK .063 (16 GA) 5052-H32 ALUMINUM INTERIOR & EXTERIOR PANELS		

Continued



306 W. State St.
Janesville, WI 53546-2556

(608) 754-6608 (800) 458-1123
fax: (608) 754-0675
www.NorthlandEquipment.com

Quote
#: 0079852

Date: 4/3/2023
Created By: JAY
Salesperson: JAY
Customer #: CAMBV

Sold To:
VILLAGE OF CAMBRIDGE
200 SPRING ST
Cambridge, WI 53523

Ship To:
VILLAGE OF CAMBRIDGE
200 SPRING ST
Cambridge, WI 53523

Confirm To: DEREK SCHROEDL- 608-480-9274 Customer P.O.: Terms: Net due on receipt of goods

Ordered	Unit	Item Number	Description	Price	Amount
			FULL LENGTH HAT SECTION INNER PANEL REINFORCEMENT 10 GA STEEL HEAVY DUTY RECESSED HIDDEN HINGES GAS STRUT DOOR CLOSURES ON ALL VERTICAL DOORS PLATED CHAIN SUPPORTS ON HORIZONTAL DOORS DUAL-PRO DOOR SEALS: 1.) 5/8" AUTOMOTIVE RUBBER BUBBLE SEAL ON DOOR PREVENT DUST & MOISTURE AND METAL TO METAL DOOR CONTACT 2.) DIE-FORMED V-CHANNEL TO WICK MOISTURE FROM COMPARTMENT INTERIOR STAINLESS STEEL ROTARY PADDLE LATCHES DOUBLE BITTED AUTOMOTIVE STYLE LOCK CYLINDERS 10 GA GALVANNEALED STEEL STRAIGHT POOCHED BUMPER UNIT PRIMED IN ACRYLIC ELECTRO-CATHODIC DIP PRIMER BODY & BUMPER POWDER COAT READING WHITE L.E.D. S/T/T & REVERSE LIGHTS - RECESSED IN REAR PANELS ALL DOT LIGHTS AND REFLECTORS AS PER FMVSS 108 BACK UP CAMERA RELOCATION REQUIRED PER FMVSS 111 ALL COMPONENTS INSTALLED F.O.B.- CAMBRIDGE, WI		
			*****OPTION***** IF EXISTING HITCH IS NOT COMPATIBLE WITH NEW BODY WELD ON 2" RECEIVER WITH 7 PIN RV PLUG ADD- \$595.00		

Office: Tax Terms Time Sn Vin Parts \$'s
Close Direct-ship Deposit
Called

QUOTE VALID FOR 7 DAYS

Net Order:	13,170.00
Less Discount:	0.00
Freight:	0.00
Sales Tax:	0.00
Order Total:	\$13,170.00
Less Deposit:	0.00
Order Balance:	\$13,170.00

Customer Acceptance: _____ Date: _____ PO#: _____

Signature: I understand that by signing this document I am entering into an agreement with Northland Equipment Co., Inc. for the services, products, and terms stated. Payment due on receipt of goods unless otherwise written. A late payment charge of 1.5% on the past due balance will be assessed monthly. Credit card payments over \$3000.00 are subject to a 3% processing fee. Returns for stock items must be made within 5 business days of receipt. All special order items require written authorization, may be subject to restocking fees, and are at the manufacturer's discretion. Limited Warranty: Northland Equipment Co., Inc. will warranty all in-house workmanship for 90 days unless otherwise written. The warranty work must be completed by Northland Equipment Co., Inc. or it's assignees. All products are covered separately by the manufacturer's warranty. Northland Equipment Co., Inc. will not be liable for any other warranties, either expressed or implied, and the warranty of MERCHANTABILITY and the WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE are hereby specifically waived. Under no circumstances will Northland Equipment Co., Inc. be liable for any consequential damages as a result of any defective parts, material or labor supplied by it. Any warranty by a manufacturer of the parts, materials, or devices installed by Northland Equipment Co., Inc., which is different than the warranty stated herein, will be assigned by Northland Equipment Co., Inc. to customer.

F15M 4X4 SUPERCAB - 145	Suggested Retail Price	39090	00
2022 MODEL YEAR			
YZ OXFORD WHITE			
AS DARK SLATE VINYL 40/20/40			
INCLUDED ON THIS VEHICLE			
EQUIPMENT GROUP 101A		2280	00
XL SERIES			
XL POWER EQUIPMENT GROUP			
CRUISE CONTROL			
REVERSE SENSING SYSTEM			
OPTIONAL EQUIPMENT/OTHER			
.17" SILVER STEEL WHEELS			
995 5.0L V8 ENGINE		2335	00
44G ELEC TEN-SPEED AUTO W/TOW MODE			
T7C LT265/70R17C BSW ALL-TERRAIN		295	00
XL3 3.31 ELECTRONIC LOCK RR AXLE		NC	
7050# GVWR PACKAGE			
JOB #2 ORDER			
153 FRONT LICENSE PLATE BRACKET		NC	
41H ENGINE BLOCK HEATER		90	00
425 50 STATE EMISSIONS		NC	
52X AUTO START-STOP REMOVAL		50	00-
53A TRAILER TOW PACKAGE		1325	00
.INTEGRATED TRAILER BRAKE CONT			
55A FX4 OFF-ROAD PACKAGE		1095	00
.SKID PLATES			
A VINYL 40/20/40 FRONT SEAT		NC	
FLEX FUEL VEHICLE			
TOTAL OPTIONS/OTHER		7370	00
TOTAL VEHICLE & OPTIONS/OTHER		46460	00
DESTINATION & DELIVERY		1795	00
TOTAL BEFORE DISCOUNTS		48255	00
##SPECIAL ADDED DISCOUNTS#			
XL HIGH DISCOUNT		750	00-
TOTAL SAVINGS		750	00-
<hr/>			
TOTAL FOR VEHICLE		47505	00
FUEL CHARGE			
CV LOT MANAGEMENT			
ADVERTISING ASSESSMENT			
SHIPPING WEIGHT 4648 LBS.			
TOTAL		47505	00



Ewald Automotive Group

Chrissy Gensch | 262-673-9400 | chrissy.gensch@ewaldauto.com

Village of Cambridge

Prepared For: Derek Schroedl

608-480-9274

dscgriedl@ci.cambridge.wi.us

Vehicle: [Retail] 2023 Ford F-150 (X1E) XL 4WD SuperCab 6.5' Box





Ewald Automotive Group

Chrissy Gensch | 262-673-9400 | chrissy.gensch@ewaldauto.com

Vehicle: [Retail] 2023 Ford F-150 (X1E) XL 4WD SuperCab 6.5' Box (Complete)

Quote Worksheet

Base Price		MSRP	
Dest Charge			\$42,995.00
Total Options			\$1,895.00
			\$679.00
		Subtotal	\$45,569.00
		Subtotal Pre-Tax Adjustments	\$0.00
Less Customer Discount			(\$550.00)
		Subtotal Discount	(\$550.00)
Trade-In			\$0.00
		Subtotal Trade-In	\$0.00
		Taxable Price	\$45,019.00
Sales Tax			\$0.00
		Subtotal Taxes	\$0.00
		Subtotal Post-Tax Adjustments	\$0.00
		Total Sales Price	\$45,019.00

Comments:

STOCK 2023 Ford F150 to the specifications as detailed. Registration fees are not included. Due to current market, lead time can not be guaranteed.

Dealer Signature / Date

Customer Signature / Date

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Data Version: 19080. Data Updated: Apr 3, 2023 6:37:00 PM PDT.



Date: **04/13/2023 12:03 PM**
 Salesperson: **Dustin Porter John Chady**
 Manager: **Dustin Porter**

FOR INTERNAL USE ONLY

BUSINESS NAME	<i>Village of Cambridge</i>	Home Phone:
CONTACT	<i>Derek</i>	
Address :	<i>200 Spring St CAMBRIDGE, WI 53523 DANE</i>	Work Phone:
E-Mail :	<i>dschroedl@ci.cambridge.wi.us</i>	Cell Phone: <i>(608) 480-9274</i>

VEHICLE	Stock # : <i>T23-67</i>	New / Used : <i>New</i>	VIN : <i>1FTEX1EP7PKD49801</i>	Mileage : <i>5</i>
	Vehicle : <i>2023 Ford F-150</i>		Color : <i>AVALANCHE</i>	
	Type : <i>F150 4X4 S/C</i>		<i>X1E</i>	

TRADE IN	Payoff :	VIN :	Mileage :
	Vehicle :		Color :
	Type :		

Selling Price	48,015.00
Discount	4,440.00
Adjusted Price	43,575.00
Total Purchase	43,575.00
Trade Allowance	
Trade Difference	
Service Fee	349.00
Non Tax Fees	189.00
Trade Payoff	
Cash Deposit	
Balance	44,113.00

Customer Approval: _____ Management Approval: _____

By signing this authorization form, you certify that the above personal information is correct and accurate, and authorize the release of credit and employment information. By signing above, I provide to the dealership and its affiliates consent to communicate with me about my vehicle or any future vehicles using electronic, verbal and written communications including but not limited to eMail, text messaging, SMS, phone calls and direct mail. Terms and Conditions subject to credit approval. For Information Only. This is not an offer or contract for sale.



Village of Cambridge, WI 2023 Water Long-Range Cash Flow Analysis

April 18, 2023 Village Utility Committee Meeting

Why are we here?

- Water Utility contemplating future capital investment
- Ehlers to identify fiscal sustainability
- Our Process
 - ✓ Historical Rate Performance
 - ✓ Future Projections
 - O&M, Depreciation, and PILOT
 - Funding Project(s): Debt vs. Cash
 - ✓ Rate Impact

Water Rates Historical Implementation

- Last Conventional Rate Case (CRC) completed September 1, 2015 set for 5% Rate of Return.
- Since then
 - ✓ UF Plant similar
 - ✓ O&M up 57%
 - ✓ 2021 PSC AR ROR = 1.75%
 - ✓ Last Simplified Rate Case (SRC) completed October 1, 2022 and one completed before then for cumulative 7.7% rate increase since CRC

Water: Historical Rate Performance

Shown with no increase

Revenue Requirement Component	Description	2018	2019	2020	2021	Est 2022	Budget 2023	Test Year 2024
Cash Basis								
1	Operating and Maintenance	\$445,879	\$433,829	\$422,903	\$454,302	\$487,932	\$466,201	\$473,650
2	Debt	\$102,614	\$164,391	\$127,010	\$125,079	\$133,514	\$126,250	\$276,732
3	Cash Funded Capital ^a	\$19,948	\$16,439	\$20,694	\$240,986	\$76,284	\$12,625	\$27,673
	Less:							
	Other Revenue	\$4,288	\$4,784	\$1,461	\$77,143	\$8,359	\$8,359	\$8,443
	Interest Income	\$537	\$201	\$79	\$71	\$53	\$53	\$53
	Revenue Requirement (Costs less Other Income)	\$563,616	\$609,674	\$569,067	\$743,153	\$689,317	\$596,663	\$769,560
	User Rates Revenue	\$536,697	\$534,100	\$531,320	\$566,969	\$585,943	\$585,943	\$585,944
	Rate Adequacy	(\$26,919)	(\$75,574)	(\$37,747)	(\$176,184)	(\$103,374)	(\$10,721)	(\$183,616)
	Rate Adjustment	5.02%	14.15%	7.10%	31.07%	17.64%	1.83%	31.34%
Utility Basis (PSC)								
1	Operating and Maintenance	\$445,879	\$433,829	\$422,903	\$454,302	\$487,932	\$466,201	\$473,650
2	Depreciation	\$127,963	\$128,371	\$128,553	\$133,100	\$134,686	\$171,747	\$268,794
3	NIRB	\$2,714,517	\$2,627,894	\$2,521,176	\$2,447,286	\$2,381,026	\$3,854,537	\$6,412,984
	Recommended ROI (6.2%)	\$188,300	\$182,929	\$156,313	\$151,732	\$147,624	\$238,981	\$397,606
	Less:							
	Other Revenue	\$4,288	\$4,784	\$1,461	\$77,143	\$8,359	\$8,359	\$8,443
	Interest Income	\$537	\$201	\$79	\$71	\$53	\$53	\$53
	Revenue Requirement (Costs less Other Income)	\$737,317	\$720,144	\$706,229	\$661,920	\$761,829	\$868,517	\$1,131,554
	User Rates Revenue	\$536,697	\$534,100	\$531,320	\$566,969	\$585,943	\$585,943	\$585,944
	Rate Adequacy	(\$200,620)	(\$186,044)	(\$174,909)	(\$94,951)	(\$175,887)	(\$282,575)	(\$545,610)
	Rate Adjustment	37.38%	34.83%	32.92%	16.75%	30.02%	48.23%	93.12%

Rates slightly behind on a cash basis

And further on a utility basis (PSC uses)

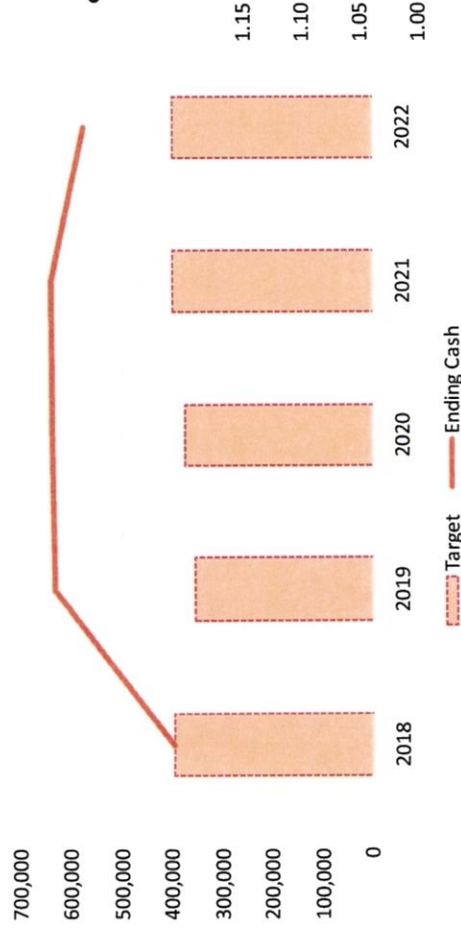
Let's investigate the history further....

Notes:
^aIncludes 10% adder for debt coverage.

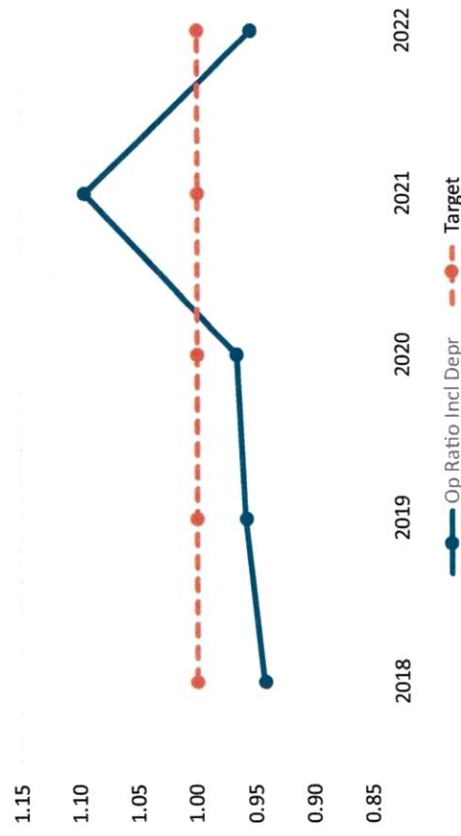
Water: Historical Rate Performance

- Reserves to fund deficits and limited capital
- Concerns of aging system

Reserves - Actual vs. Target



Operating Ratio including Depreciation



Future Capital

- TID #5 & 6 to fund portions of the Well project. Aiding in the repayment of debt service.

Projects	Funding	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Totals
Well #3 Water Treatment Facilities (TID 5 Portion)	Revenue Debt		400,000									400,000
Well #3 Water Treatment Facilities (TID 6 Portion)	Revenue Debt		200,000									200,000
Well #3 Water Treatment Facilities (Water Portion)	Revenue Debt	3,137,012	1,828,500									4,965,512
Ehlers Assumption for Cash funded Capital	Cash			10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	80,000
Actual CIP Costs		3,137,012	2,428,500	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	5,645,512
Sources of Funding												
G.O. Debt		0	0	0	0	0	0	0	0	0	0	0
Revenue Debt		3,137,012	2,428,500	0	0	0	0	0	0	0	0	5,565,512
Grants/Aids		0	0	0	0	0	0	0	0	0	0	0
Special Assessment		0	0	0	0	0	0	0	0	0	0	0
User Fees		0	0	0	0	0	0	0	0	0	0	0
Tax Levy		0	0	0	0	0	0	0	0	0	0	0
Equipment Replacement Fund		0	0	0	0	0	0	0	0	0	0	0
Cash		0	0	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	80,000
Total		3,137,012	2,428,500	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	5,645,512

Water: Future Projection

	Budget				Projected						
	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	
Revenues											
Total Revenues from User Rates ¹	\$585,943	\$811,531	\$1,037,118	\$1,037,118	\$1,068,232	\$1,068,232	\$1,100,279	\$1,100,279	\$1,133,287	\$1,133,287	
Total Increase to User Rates	0.00%	77.00%	0.00%	0.00%	3.00%	0.00%	3.00%	0.00%	3.00%	0.00%	
Cumulative Percent Rate Increase	0.00%	77.00%	77.00%	77.00%	82.31%	82.31%	87.78%	87.78%	93.41%	93.41%	
Dollar Amount Increase to Revenues	\$0	\$225,588	\$225,588	\$0	\$31,114	\$0	\$32,047	\$0	\$33,008	\$0	
Other Revenues	\$53	\$53	\$54	\$54	\$54	\$54	\$55	\$55	\$56	\$56	
Interest Income	\$32,145	\$32,229	\$32,313	\$32,398	\$32,484	\$32,571	\$32,659	\$32,748	\$32,927	\$33,110	
Other Income	\$32,198	\$32,282	\$32,367	\$32,452	\$32,539	\$32,626	\$32,714	\$32,803	\$32,983	\$33,166	
Total Other Revenues	\$618,141	\$843,812	\$1,069,485	\$1,069,571	\$1,100,771	\$1,100,858	\$1,132,993	\$1,133,082	\$1,166,270	\$1,166,453	
Less: Expenses											
Operating and Maintenance ²	\$375,000	\$380,625	\$386,334	\$392,129	\$398,011	\$403,982	\$410,041	\$416,192	\$422,435	\$428,771	
PILOT Payment	\$91,201	\$93,025	\$94,886	\$96,784	\$98,719	\$100,694	\$102,708	\$104,762	\$106,857	\$108,994	
Net Before Debt Service and Capital Expenditures	\$151,939	\$370,162	\$588,265	\$580,658	\$604,040	\$596,183	\$620,244	\$612,128	\$636,978	\$628,686	
Debt Service											
Existing Debt P&I	\$126,250	\$123,913	\$121,561	\$124,064	\$121,415	\$123,600	\$115,688	\$94,020	\$95,930	\$38,665	
New (2023-2032) Debt Service P&I	\$0	\$5,731,135	\$457,271	\$454,491	\$451,709	\$448,924	\$446,138	\$443,348	\$440,557	\$437,763	
Total Debt Service	\$126,250	\$5,855,048	\$578,832	\$578,555	\$573,124	\$572,525	\$561,826	\$537,368	\$536,487	\$476,428	
Transfer In (Out)	\$0	\$8,121	\$39,093	\$39,084	\$39,076	\$39,066	\$39,057	\$39,047	\$39,038	\$39,027	
Less: Capital Improvements	\$3,169,512	\$2,499,500	\$10,000	\$10,000	\$10,000	\$10,000	\$10,000	\$10,000	\$10,000	\$10,000	
Debt Proceeds	\$5,320,000	\$5,650,816	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
Net Annual Cash Flow	\$2,176,178	(\$2,325,449)	\$38,525	\$31,186	\$59,992	\$52,724	\$87,475	\$103,807	\$129,529	\$181,288	
Restricted and Unrestricted Cash Balance:											
Balance at first of year	\$575,788	\$2,751,966	\$426,517	\$465,042	\$496,229	\$556,221	\$608,945	\$696,420	\$800,227	\$929,756	
Net Annual Cash Flow Addition/(subtraction)	\$2,176,178	-\$2,325,449	\$38,525	\$31,186	\$59,992	\$52,724	\$87,475	\$103,807	\$129,529	\$181,288	
Balance at end of year	\$2,751,966	\$426,517	\$465,042	\$496,229	\$556,221	\$608,945	\$696,420	\$800,227	\$929,756	\$1,111,044	
"All-in" Debt Coverage	1.20	1.37	1.08	1.07	1.12	1.11	1.17	1.21	1.26	1.40	
PSC Days Cash on Hand	2,286	48	120	141	181	217	275	346	434	558	

Legend:

Simplified Rate Case (if eligible)
 Conventional (Full) Rate Case

Notes:

- 1) Assumes no changes in customer count or usage beyond Test Year.
- 2) Assumes 1.50% annual inflation beyond budget year.

Water: Impact on Avg. Res. Bill

Year	Water						Utility Bill (Annual)	Change Over Prior Year	% of MHI (79,821)	Year
	Increase	Water Vol. Charge ¹	Water User Charge ²	Utility Bill (Monthly)	Change Over Prior Year	Utility Bill (Annual)				
2022		Tiered 6.46	Serv. + PFP 15.07	\$ 47.37		\$ 568.44		0.71%	2022	
2023	0.00%	6.46	15.07	\$ 47.37	\$ -	\$ 568.44	\$ -	0.71%	2023	
2024	77.00%	11.43	26.67	\$ 83.84	\$ 36.47	\$ 1,006.14	\$ 437.70	1.26%	2024	
2025	0.00%	11.43	26.67	\$ 83.84	\$ -	\$ 1,006.14	\$ -	1.26%	2025	
2026	0.00%	11.43	26.67	\$ 83.84	\$ -	\$ 1,006.14	\$ -	1.26%	2026	
2027	3.00%	11.78	27.47	\$ 86.36	\$ 2.52	\$ 1,036.32	\$ 30.18	1.30%	2027	
2028	0.00%	11.78	27.47	\$ 86.36	\$ -	\$ 1,036.32	\$ -	1.30%	2028	
2029	3.00%	12.13	28.30	\$ 88.95	\$ 2.59	\$ 1,067.41	\$ 31.09	1.34%	2029	
2030	0.00%	12.13	28.30	\$ 88.95	\$ -	\$ 1,067.41	\$ -	1.34%	2030	
2031	3.00%	12.49	29.15	\$ 91.62	\$ 2.67	\$ 1,099.44	\$ 32.02	1.38%	2031	
2032	0.00%	12.49	29.15	\$ 91.62	\$ -	\$ 1,099.44	\$ -	1.38%	2032	

Notes:

1. Current water volumetric rate is \$6.46 per 1,000 gallons for the first 8,333 gallons used per month.
2. The water user charges include a monthly service charge of \$15.07 for a 5/8 inch meter. Public fire protection is charged on the tax bill.
3. The usage is assumed to be 5,000 Gallons per month

Rate Comparison - By County (2)

- No PFP (charged different by utility).
- Sorted by 15 kgal consumption column

Utility Name	County	Utility Class	Min. Qtrly Bill (0.625" meter)	6000 GAL	12000 GAL	15000 GAL	18750 GAL	75000 GAL	Effective Date
Cambridge Municipal Water Utility PROPOSED	Dane	D	\$80.02	\$148.63	\$217.23	\$251.53	\$294.42	\$913.21	TBD
Applewood Hill Water Utility	Dane	D	\$45.00	\$97.68	\$150.36	\$176.70	\$209.63	\$703.50	1/5/2019
Village of Maple Bluff Municipal Water Utility	Dane	D	\$42.84	\$95.56	\$148.28	\$174.64	\$207.59	\$701.84	3/28/2019
Brownstown Municipal Water Utility	Green	D	\$43.26	\$88.98	\$134.70	\$157.56	\$186.14	\$502.90	8/15/2021
Village of Shorewood Hills Water Utility	Dane	D	\$36.51	\$80.99	\$125.47	\$147.71	\$175.51	\$592.51	5/2/2019
Village of Blue Mounds Municipal Water Utility	Dane	D	\$33.00	\$77.00	\$121.00	\$143.00	\$170.50	\$583.00	7/21/2019
Cambridge Municipal Water Utility CURRENT	Dane	D	\$45.21	\$83.97	\$122.73	\$142.11	\$166.34	\$515.94	10/1/2022
Albany Municipal Water And Sewer Utility	Green	D	\$39.00	\$79.32	\$119.64	\$136.53	\$156.41	\$454.53	6/25/2019
Belleville Municipal Water and Sewer Utility	Dane	C	\$36.00	\$71.88	\$107.76	\$125.70	\$148.13	\$428.40	12/1/2020
Madison Water Utility	Dane	AB	\$42.00	\$69.60	\$101.70	\$120.00	\$143.85	\$783.45	3/1/2023
Lake Mills Light And Water Department	Jefferson	C	\$32.25	\$65.55	\$98.85	\$115.50	\$136.31	\$448.50	7/1/2020
Deerfield Water Utility	Dane	C	\$36.00	\$66.90	\$97.80	\$113.25	\$132.56	\$397.50	9/28/2017
Village of Monticello Water Utility	Green	D	\$33.75	\$65.25	\$96.75	\$112.50	\$132.19	\$369.90	4/1/2016
Village of Black Earth Water Utility	Dane	D	\$36.00	\$65.58	\$95.16	\$109.95	\$128.44	\$390.90	8/15/2019
Waterloo Water And Light Commission	Jefferson	C	\$36.00	\$63.60	\$91.20	\$105.00	\$122.75	\$381.00	1/31/2019
Monona Water Utility	Dane	C	\$33.00	\$58.08	\$86.91	\$101.70	\$121.75	\$478.44	7/1/2021
Watertown Water Department	Jefferson	AB	\$25.20	\$55.60	\$86.00	\$101.20	\$120.20	\$397.40	4/15/2017
New Glarus Light And Water Works	Green	D	\$40.17	\$63.33	\$86.49	\$98.07	\$112.55	\$315.72	7/29/2021
Jefferson Water And Electric Department	Jefferson	C	\$29.25	\$54.77	\$80.29	\$93.05	\$109.00	\$334.21	8/1/2016
Marshall Water And Sewer Utility	Dane	C	\$26.70	\$51.60	\$76.50	\$88.95	\$104.51	\$337.95	7/21/2016
City of Fort Atkinson Water Utility	Jefferson	AB	\$20.85	\$47.25	\$73.65	\$86.85	\$103.35	\$260.58	10/1/2021
Dane Water and Sewer Utility	Dane	D	\$30.00	\$52.50	\$75.00	\$86.25	\$100.31	\$311.25	12/31/2012
Cottage Grove Water and Sewer Utility	Dane	C	\$25.34	\$46.92	\$72.50	\$84.29	\$99.03	\$317.84	7/1/2019
Cross Plains Water Utility	Dane	C	\$28.50	\$50.70	\$72.90	\$84.00	\$97.88	\$306.00	2/9/2022
Stoughton Water Utility	Dane	AB	\$30.45	\$51.75	\$73.05	\$83.70	\$97.01	\$296.70	3/1/2022
Brooklyn Water Utility	Dane	D	\$28.59	\$50.51	\$72.43	\$83.39	\$97.09	\$291.79	8/1/2021
Edgerton Municipal Water Utility	Dane	C	\$25.15	\$47.59	\$70.03	\$81.25	\$95.28	\$292.15	12/1/2022
Mosomania Water Utility	Dane	D	\$33.42	\$51.06	\$68.70	\$77.52	\$88.55	\$204.78	2/1/2023
Verona Water Utility	Dane	AB	\$21.00	\$41.88	\$62.76	\$73.20	\$86.25	\$282.00	9/16/2019
Johnson Creek Water Utility	Jefferson	C	\$35.76	\$50.40	\$65.04	\$72.36	\$81.51	\$218.76	8/27/2020
Windsor Water Utility	Dane	C	\$33.00	\$47.88	\$62.76	\$70.20	\$79.50	\$215.40	12/19/2019
Mount Horeb Water And Sewer Utility	Dane	C	\$22.50	\$41.10	\$59.70	\$69.00	\$80.63	\$255.00	6/1/2016
Westport Water Utility District	Dane	D	\$24.00	\$41.58	\$59.16	\$67.95	\$78.64	\$238.95	8/24/2013
DeForest Municipal Water Utility	Dane	C	\$21.63	\$38.87	\$58.11	\$67.23	\$78.63	\$228.93	1/1/2021
Whitewater Municipal Water Utility	Jefferson	C	\$25.50	\$39.30	\$57.66	\$66.84	\$78.32	\$250.44	8/27/2020
McFarland Water and Sewer Utility	Dane	C	\$24.00	\$40.56	\$57.12	\$65.40	\$75.75	\$231.00	8/13/2021
Village of Palmyra Water and Sewer Utility	Jefferson	D	\$18.54	\$37.20	\$55.86	\$65.19	\$76.85	\$232.44	12/17/2013
Sun Prairie Utilities	Dane	AB	\$27.69	\$42.17	\$56.65	\$63.89	\$72.94	\$208.69	12/31/2021
Brodhead Water And Light Commission	Green	C	\$24.75	\$39.95	\$55.15	\$62.75	\$72.25	\$208.05	3/14/2023
Monroe Municipal Water Utility	Green	AB	\$19.50	\$36.62	\$53.74	\$62.30	\$73.00	\$221.50	9/5/2020
Waunakee Water And Light Commission	Dane	AB	\$20.25	\$36.15	\$52.05	\$60.00	\$69.94	\$208.20	12/1/2015
Middleton Municipal Water Utility	Dane	AB	\$17.22	\$32.88	\$48.54	\$56.37	\$66.16	\$212.97	3/15/2022
Oregon Municipal Water And Sewer Utility	Dane	AB	\$17.01	\$31.65	\$46.29	\$53.61	\$62.76	\$179.31	12/28/2011
Fitchburg Water Utility	Dane	AB	\$15.91	\$28.51	\$42.39	\$49.65	\$60.18	\$248.37	1/1/2021
Windsor Sanitary District Number One	Dane	C	\$25.38	\$34.02	\$42.66	\$46.98	\$52.38	\$127.53	5/31/2015



Recommendations

- This plan identifies
 - ✓ Min. rate adjustment with max use of cash above benchmark
- Alternative
 - ✓ Reduce PILOT
- Identify other ratemaking goals (if any)
- File Test Year 2024 Rate Case in August/September

Questions?

April 18, 2023

2023 WATER RATE STUDY:

Village of Cambridge, WI

Phase I: Long-Range Cash Flow Analysis & Application Results



Prepared by:

Ehlers
N19W24400 Riverwood Drive,
Suite 100
Waukesha, WI 53188

Advisors:

Brian Roemer
Municipal Advisor
Lisa Trebatoski
Associate Municipal Advisor

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2023 Water Rate Study

Section 1 — Historical Analysis

Village of Cambridge, WI

Table 1 Water Rate Performance

Village of Cambridge, WI

		Shown with no increase				Est	Budget	Test Year
Revenue Requirement								
Component	Description	2018	2019	2020	2021	2022	2023	2024
Cash Basis								
1	Operating and Maintenance	\$445,879	\$433,829	\$422,903	\$454,302	\$487,932	\$466,201	\$473,650
2	Debt	\$102,614	\$164,391	\$127,010	\$125,079	\$133,514	\$126,250	\$276,732
3	Cash Funded Capital [^]	\$19,948	\$16,439	\$20,694	\$240,986	\$76,284	\$12,625	\$27,673
Less:								
	Other Revenue	\$4,288	\$4,784	\$1,461	\$77,143	\$8,359	\$8,359	\$8,443
	Interest Income	\$537	\$201	\$79	\$71	\$53	\$53	\$53
	Revenue Requirement (Costs less Other Income)	\$563,616	\$609,674	\$569,067	\$743,153	\$689,317	\$596,663	\$769,560
	User Rates Revenue	\$536,697	\$534,100	\$531,320	\$566,969	\$585,943	\$585,943	\$585,944
	Rate Adequacy	(\$26,919)	(\$75,574)	(\$37,747)	(\$176,184)	(\$103,374)	(\$10,721)	(\$183,616)
	Rate Adjustment	5.02%	14.15%	7.10%	31.07%	17.64%	1.83%	31.34%
Utility Basis (PSC)								
1	Operating and Maintenance	\$445,879	\$433,829	\$422,903	\$454,302	\$487,932	\$466,201	\$473,650
2	Depreciation	\$127,963	\$128,371	\$128,553	\$133,100	\$134,686	\$171,747	\$268,794
	NIRB	\$2,714,517	\$2,627,894	\$2,521,176	\$2,447,286	\$2,381,026	\$3,854,537	\$6,412,994
3	Recommended ROI (6.2%)	\$168,300	\$162,929	\$156,313	\$151,732	\$147,624	\$238,981	\$397,606
Less:								
	Other Revenue	\$4,288	\$4,784	\$1,461	\$77,143	\$8,359	\$8,359	\$8,443
	Interest Income	\$537	\$201	\$79	\$71	\$53	\$53	\$53
	Revenue Requirement (Costs less Other Income)	\$737,317	\$720,144	\$706,229	\$661,920	\$761,829	\$868,517	\$1,131,554
	User Rates Revenue	\$536,697	\$534,100	\$531,320	\$566,969	\$585,943	\$585,943	\$585,944
	Rate Adequacy	(\$200,620)	(\$186,044)	(\$174,909)	(\$94,951)	(\$175,887)	(\$282,575)	(\$545,610)
	Rate Adjustment	37.38%	34.83%	32.92%	16.75%	30.02%	48.23%	93.12%

Notes:

[^]Includes 10% adder for debt coverage.

Table 2 Water Utility Rate Performance Charts

Village of Cambridge, WI

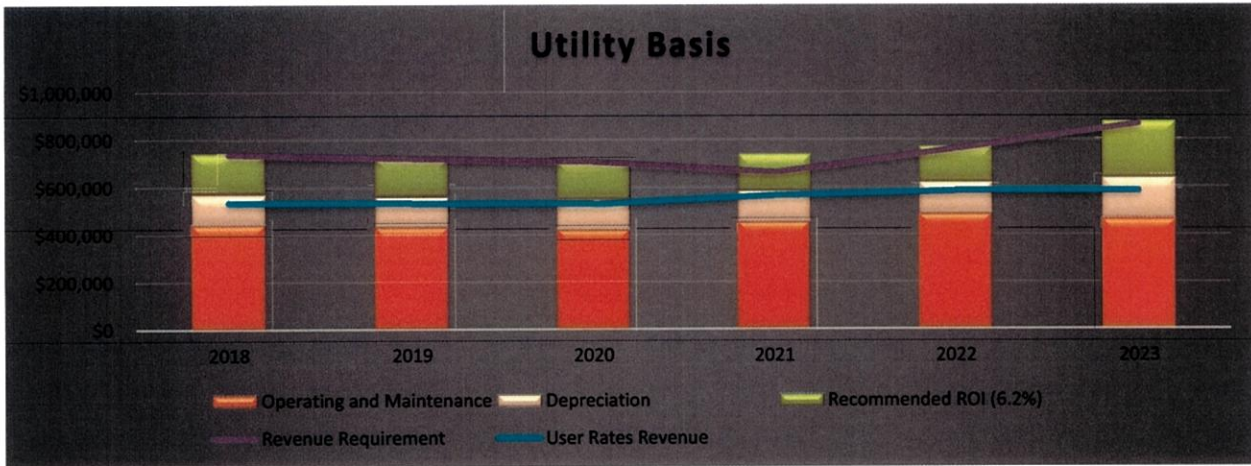
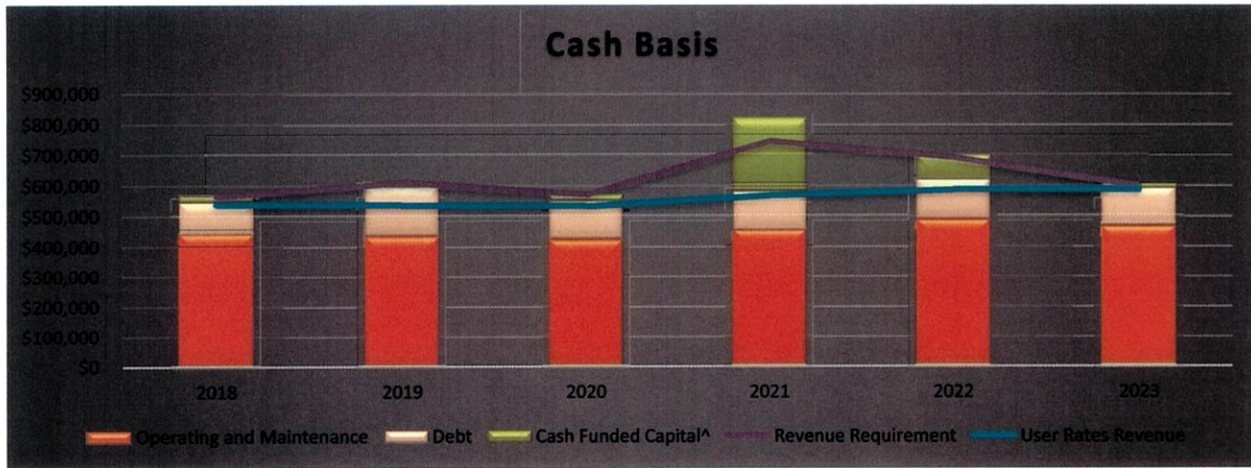


Table 3**Water Utility Cash Flow Analysis - Historical 2018-2022***Village of Cambridge, WI*

	Actual				Estimated
	2018	2019	2020	2021	2022
Revenues					
Total Revenues from User Rates	\$536,697	\$534,100	\$531,320	\$566,969	\$585,943
Percent Increase to User Rates			3.00%		4.50%
Other Revenues					
Interest Income	\$537	\$201	\$79	\$71	\$53
Other Income	\$22,558	\$23,104	\$29,347	\$118,983	\$32,145
Total Other Revenues	\$23,095	\$23,305	\$29,426	\$119,054	\$32,198
Total Revenues	\$559,792	\$557,405	\$560,746	\$686,023	\$618,141
Expenses					
Operating and Maintenance	\$354,025	\$339,794	\$331,440	\$366,642	\$398,519
PILOT Payment	\$91,854	\$94,035	\$91,463	\$87,660	\$89,413
Net Before Debt Service and Capital Expenditures	\$113,913	\$123,576	\$137,843	\$231,721	\$130,209
Existing Debt P&I ¹	\$102,614	\$164,391	\$127,010	\$125,079	\$133,514
Transfer In (Out)/Cap. Contrib.	\$0	\$13,933	\$0	\$65,460	\$1,500
Capital Improvements	\$9,687	\$4,609	\$7,993	\$228,478	\$62,932
Bond Proceeds/Grants	\$0	\$260,000	\$0	\$0	\$0
Reconcile to Audit	-\$757	\$6,837	\$2,470	\$57,773	
Net Annual Cash Flow	\$855	\$235,346	\$5,310	\$1,397	(\$64,738)
<u>Restricted and Unrestricted Cash Balance:</u>					
Balance at first of year	\$397,618	\$398,473	\$633,819	\$639,129	\$640,526
Net Annual Cash Flow Addition/(subtraction)	\$855	\$235,346	\$5,310	\$1,397	-\$64,738
Balance at end of year	\$398,473	\$633,819	\$639,129	\$640,526	\$575,788

Notes:

Table 4 Water Utility Financial Benchmarking Analysis

Village of Cambridge, WI

	Actual				Estimated 2022	Budget 2023
	2018	2019	2020	2021		
Target minimum cash balance						
Target minimum working capital - Ehlers ¹	398,474	357,007	374,950	400,116	399,623	6,179,757
Actual Days Cash Available - PSC ²	267	497	520	476	388	2,376
Actual Days Cash Available - Moody's ³	292	558	577	520	419	2,564
Actual Days Cash Available - S&P ⁴	411	558	577	520	419	2,564
Actual working capital-cash balance						
Over (Under) Ehlers target	(1)	276,813	264,179	240,410	176,165	(3,427,791)
Over (Under) PSC target (90 days)	177	407	430	386	298	2,286
Over (Under) Moody's target (150 days)	142	408	427	370	269	2,414
Over (Under) S&P target (150 days)	261	408	427	370	269	2,414

Notes:

- 1) Target capital equals 6 mos of next year's operating expenses, including depreciation, plus 100% of following year's debt.
- 2) PSC formula = O&M expense + taxes + interest on long term debt ÷ 365 to get expense per day. Then Unrestricted Cash + expense per day
- 3) Moody's Formula = [(Unrestricted Cash + Liquid Investments) * 365 days] + Total O&M Expenses less Depreciation
- 4) S&P Formula = [(Unrestricted Cash + Liquid Investments) * 365 days] + Total O&M Expenses less Depreciation; include designated reserve funds: ERFs, RSFs, etc

Rate of Return

Average Utility Plant in Service	3,938,768	3,945,223	3,951,337	3,988,831	4,053,981	5,653,953
Plus: Materials and Supplies	0	0	0	0	0	0
Less: Utility Plant Accumulated Depreciation	1,206,227	1,302,581	1,418,689	1,533,349	1,626,849	1,756,586
Less: Regulatory Liability	18,024	14,748	11,472	8,196	4,920	1,644
Average Net Investment Rate Base (NIRB)	2,714,517	2,627,894	2,521,176	2,447,286	2,422,212	3,895,724
Net Operating Income	21,831	34,644	4,314	42,877	12,870	(1,636)
ROR	0.80%	1.32%	0.17%	1.75%	0.53%	-0.04%
Benchmark	6.20%	6.20%	6.20%	6.20%	6.20%	6.20%

Cost Recovery

Operating Revenues	540,985	538,884	532,781	644,112	594,302	594,302
Operating Expenses incl. Depr & Amortization	573,842	562,200	551,456	587,402	622,618	637,949
Operating Expenses w/o Depr & Amortization	445,879	433,829	422,903	454,302	487,932	466,201
Cost Recovery incl. Depr	0.94	0.96	0.97	1.10	0.95	0.93
Cost Recovery w/o Depr	1.29	1.30	1.30	1.29	1.28	1.37
Target	1.00	1.00	1.00	1.00	1.00	1.00

Notes:

This operating ratio indicates whether operating revenues (mostly charges to customers) were sufficient to cover operations and capital (in the form of depreciation) for the water and/or wastewater utility in the fiscal year. A ratio of less than 1 could be a sign of financial concern. In general, this ratio should be higher than 1 to accommodate future capital investments.

Leverage

Total Long-Term Debt	1,139,058	1,297,405	1,207,287	1,105,328	992,895	6,216,308
Total Assets Net Accum. Depr.	3,939,881	3,809,244	3,681,646	3,755,724	4,296,929	7,304,204
Debt-to Equity Ratio	0.29	0.34	0.33	0.29	0.23	0.85

Notes:

This indicator measures the existing level of leveraging of assets, and is used by funders and bond rating agencies to evaluate the risk of providing additional loans to the utility. The ratio indicates the amount of long-term debt that exists for every \$1 of assets (fund equity). A utility with a ratio greater than 1.0 has more long-term debt than equity in the system's assets. There are no natural benchmarks for this indicator, and funders and bond rating agencies will assess this ratio in various ways. In general, the higher this ratio, the more likely the utility will be considered to be over-leveraged and the more difficult it will be for the utility to obtain additional loans. For this ratio, Net Assets are equal to the Net Investment Rate Base of the utility.

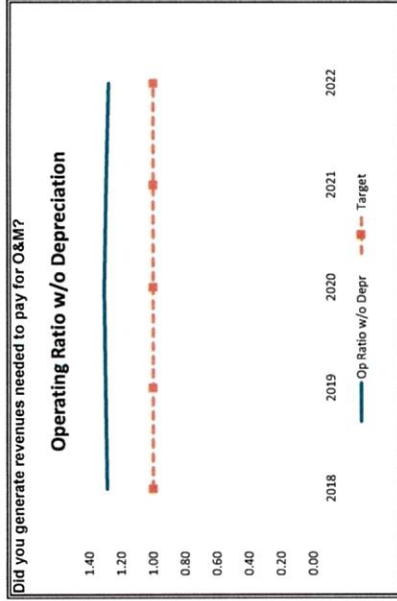
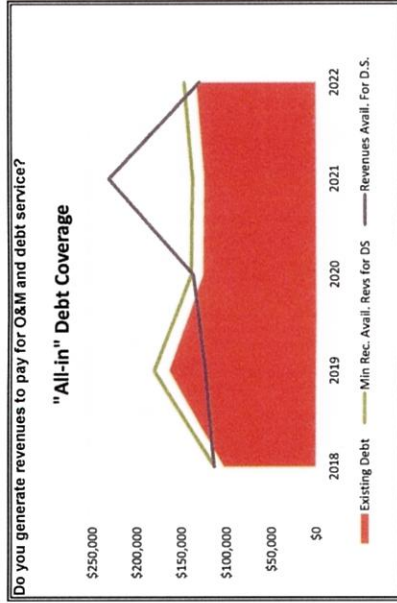
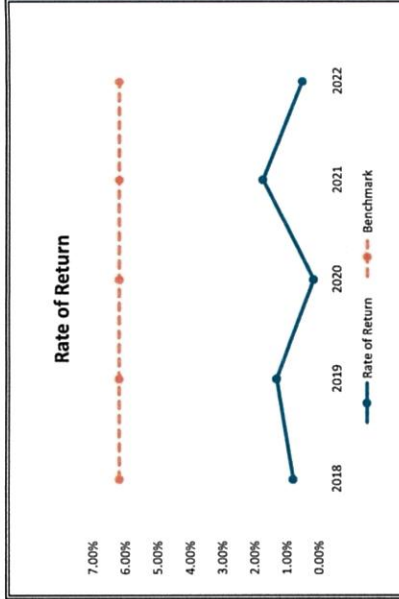
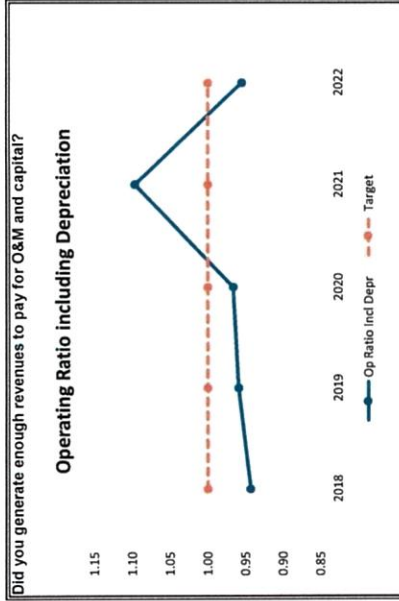
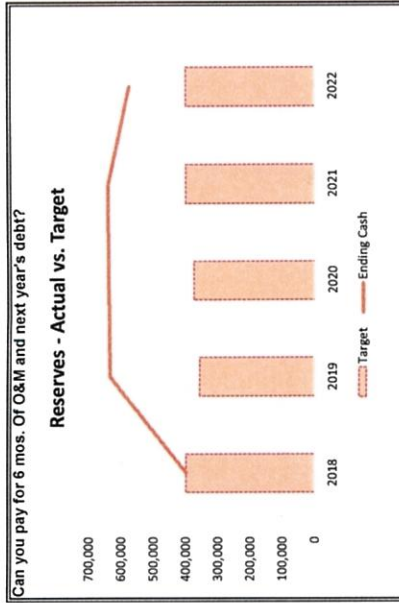
Condition of Assets:

Accumulated Depreciation Expense	1,714,969	1,850,217	1,985,433	2,105,121	1,626,849	1,756,586
Total Net Assets	3,939,881	3,809,244	3,681,646	3,755,724	4,296,929	7,304,204
Asset Depreciation	43.53%	48.57%	53.93%	56.05%	37.86%	24.05%

Notes:

This indicator of infrastructure condition estimates the portion of the average expected life of the utility's physical assets that has already passed. As this ratio approaches 100%, the capital assets become fully depreciated, and infrastructure needs replacement or rehabilitation. The accuracy of this indicator relies heavily on the accuracy of the depreciation schedule, and historic pricing likely distorts this indicator (newer utilities may be slightly disadvantaged as a result).

Table 5
Water Utility Financial Health Charts
Village of Cambridge, WI





2023 Water Rate Study

Section 2 — Long-Range Cash Flow Analysis

Village of Cambridge, WI



Table 6
Water Utility Capital Improvement Plan
Village of Cambridge, WI

Projects	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Totals
Well #3 Water Treatment Facilities (TID 5 Portion)		400,000									400,000
Well #3 Water Treatment Facilities (TID 6 Portion)		200,000									200,000
Well #3 Water Treatment Facilities (Water Portion)	3,137,012	1,828,500									4,965,512
Ehlers Assumption for Cash funded Capital			10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	80,000
Actual CIP Costs	3,137,012	2,428,500	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	8,845,512
Sources of Funding											
G.O. Debt	0	0	0	0	0	0	0	0	0	0	0
Revenue Debt	3,137,012	2,428,500									5,565,512
Grants/Aids	0	0	0	0	0	0	0	0	0	0	0
Special Assessment	0	0	0	0	0	0	0	0	0	0	0
User Fees	0	0	0	0	0	0	0	0	0	0	0
Tax Levy	0	0	0	0	0	0	0	0	0	0	0
Equipment Replacement Fund	0	0	0	0	0	0	0	0	0	0	0
Cash	0	0	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	80,000
Total	3,137,012	2,428,500	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	8,845,512

Notes:



Table 7
Capital Improvements Financing Plan
Village of Cambridge, WI

	2023		2024		2024	
	Water Portion	Water Portion	SDWF Loan	Water Portion	Revenue Bonds	Water Portion
CIP Projects ¹	2023 Water Projects 5,417,500	5,417,500	2024 Water Projects 4,778,316	4,778,316	2024 Water Projects 800,000	800,000
Estimated Issuance Expenses	32,500	32,500	22,500	22,500	48,500	48,500
TOTAL TO BE FINANCED	5,450,000	5,450,000	4,800,816	4,800,816	848,500	848,500
Estimated Interest Earnings	(130,000)	(130,000)	0	0	0	0
Assumed spend down (months)	4.50%	0.00%	0.00%	0.00%	0.00%	0
Rounding	6.00%	0.00%	0	0	1,500	1,500
NET BOND SIZE	5,320,000	5,320,000	4,800,816	4,800,816	850,000	850,000

Notes:

1) Source of Project Totals

Table 8
Water Utility Projected Debt Service Payments (PROPOSED)
Village of Cambridge, WI

NAME	Notes Anticipation Note Series 2023A			SDWF Loan (Water Portion) Prof. No. TBD			SDWF Loan (10 5 Portion) Prof. No. TBD			SDWF Loan (10 6 Portion) Prof. No. TBD			Water Revenue Bonds Proposed Series 2024A			PROPOSED Water Utility Debt Service Summary									
	AMT	DATED	MATURE	Principal	Rate	Interest	Principal	Est. Rate ¹	Interest	Total	Principal	Est. Rate ¹	Interest	Total	Principal	Est. Rate ¹	Interest	Total	Total Prin	Total Int	Total P&I	Prin Outstanding	Year		
2023	5,320,000	4.60%	258,316	5,578,316	0	2.695%	59,086	2.695%	111,417	67,207	0	2.695%	5,414	5,414	0	2.695%	2,707	2,707	0	411,135	5,731,135	0	5,320,000	2023	
2024					173,018	2.695%	111,417	2.695%	10,209	26,062	15,853	2.695%	10,209	5,414	26,062	7,927	2.695%	5,104	13,031	0	191,693	5,731,135	0	5,650,816	2024
2025					177,681	2.695%	106,691	2.695%	9,776	26,056	16,280	2.695%	9,776	26,056	26,056	8,140	2.695%	4,888	13,028	45,000	182,969	454,491	457,271	5,409,018	2025
2026					182,470	2.695%	101,838	2.695%	9,331	26,050	16,719	2.695%	9,331	26,050	26,050	8,360	2.695%	4,666	13,025	45,000	187,969	454,491	457,271	5,161,916	2026
2027					187,387	2.695%	96,854	2.695%	8,875	26,044	17,170	2.695%	8,875	26,044	26,044	8,585	2.695%	4,437	13,022	45,000	192,437	454,491	457,271	4,909,368	2027
2028					192,437	2.695%	91,736	2.695%	8,406	26,038	17,632	2.695%	8,406	26,038	26,038	8,816	2.695%	4,203	13,019	45,000	203,335	454,491	457,271	4,651,226	2028
2029					197,623	2.695%	86,480	2.695%	7,924	26,032	18,108	2.695%	7,924	26,032	26,032	9,054	2.695%	3,962	13,016	45,000	203,335	454,491	457,271	4,387,341	2029
2030					202,949	2.695%	81,082	2.695%	7,429	26,025	18,596	2.695%	7,429	26,025	26,025	9,298	2.695%	3,715	13,013	45,000	203,335	454,491	457,271	4,117,556	2030
2031					208,419	2.695%	75,539	2.695%	6,921	26,018	19,097	2.695%	6,921	26,018	26,018	9,548	2.695%	3,461	13,009	45,000	203,335	454,491	457,271	3,841,713	2031
2032					214,036	2.695%	69,847	2.695%	6,400	26,011	19,612	2.695%	6,400	26,011	26,011	9,806	2.695%	3,200	13,006	45,000	203,335	454,491	457,271	3,559,649	2032
2033					219,804	2.695%	64,001	2.695%	5,864	26,004	20,140	2.695%	5,864	26,004	26,004	10,070	2.695%	2,932	13,002	45,000	203,335	454,491	457,271	3,271,196	2033
2034					225,728	2.695%	57,997	2.695%	5,314	25,997	20,683	2.695%	5,314	25,997	26,000	10,341	2.695%	2,657	12,998	45,000	203,335	454,491	457,271	2,976,182	2034
2035					231,811	2.695%	51,832	2.695%	4,749	25,989	21,240	2.695%	4,749	25,989	26,000	10,620	2.695%	2,375	12,995	45,000	203,335	454,491	457,271	2,674,430	2035
2036					238,058	2.695%	45,500	2.695%	4,169	25,982	21,813	2.695%	4,169	25,982	26,000	10,906	2.695%	2,085	12,991	45,000	203,335	454,491	457,271	2,365,759	2036
2037					244,474	2.695%	38,998	2.695%	3,573	25,974	22,400	2.695%	3,573	25,974	26,000	11,200	2.695%	1,787	12,987	45,000	203,335	454,491	457,271	2,049,982	2037
2038					251,063	2.695%	32,321	2.695%	2,961	25,966	23,004	2.695%	2,961	25,966	26,000	11,502	2.695%	1,481	12,983	45,000	203,335	454,491	457,271	1,726,907	2038
2039					257,829	2.695%	25,464	2.695%	2,333	25,957	23,624	2.695%	2,333	25,957	26,000	11,812	2.695%	1,167	12,979	45,000	203,335	454,491	457,271	1,396,338	2039
2040					264,777	2.695%	18,421	2.695%	1,688	25,949	24,261	2.695%	1,688	25,949	26,000	12,130	2.695%	844	12,974	45,000	203,335	454,491	457,271	1,058,073	2040
2041					271,913	2.695%	11,190	2.695%	1,025	25,940	24,915	2.695%	1,025	25,940	26,000	12,457	2.695%	513	12,970	45,000	203,335	454,491	457,271	711,905	2041
2042					279,241	2.695%	3,763	2.695%	345	25,931	25,586	2.695%	345	25,931	26,000	12,793	2.695%	172	12,965	45,000	203,335	454,491	457,271	357,620	2042
2043																							0	2043	
TOTALS	5,320,000	4.60%	258,316	5,578,316	4,220,717	1,230,058	6,199,935	386,733	112,707	499,440	193,366	56,353	249,720	850,000	559,292	1,409,292	11,550,915	3,385,786	13,936,701	0	3,385,786	13,936,701	0	TOTALS	

Notes:
1) Rate assumes current market rate plus 100 bps (or 1.00%).
2) Rate assumes recent NR/TE/BQ/Rev Bonds plus 150bps (or 1.50%).
Legend:
--- Maturities subject to optional redemption (callable)



Table 9
Water Utility Cash Flow Analysis - Projected 2023-2032
Village of Cambridge, WI

	Projected									
	Budget 2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
Revenues										
Total Revenues from User Rates ¹	\$585,943	\$811,531	\$1,037,118	\$1,037,118	\$1,068,232	\$1,068,232	\$1,100,279	\$1,100,279	\$1,133,287	\$1,133,287
Percent Increase to User Rates	0.00%	77.00%	0.00%	0.00%	3.00%	0.00%	3.00%	0.00%	3.00%	0.00%
Cumulative Percent Rate Increase	0.00%	77.00%	77.00%	77.00%	82.31%	82.31%	87.78%	87.78%	93.41%	93.41%
Dollar Amount Increase to Revenues	\$225,588	\$225,588	\$0	\$0	\$31,114	\$0	\$32,047	\$0	\$33,008	\$0
Other Revenues										
Interest Income	\$53	\$53	\$54	\$54	\$54	\$54	\$55	\$55	\$56	\$56
Other Income	\$32,145	\$32,229	\$32,313	\$32,398	\$32,484	\$32,571	\$32,659	\$32,748	\$32,927	\$33,110
Total Other Revenues	\$32,198	\$32,282	\$32,367	\$32,452	\$32,539	\$32,626	\$32,714	\$32,803	\$32,983	\$33,166
Total Revenues	\$618,141	\$843,812	\$1,069,485	\$1,069,571	\$1,100,771	\$1,100,858	\$1,132,993	\$1,133,082	\$1,166,270	\$1,166,453
Less: Expenses										
Operating and Maintenance ²	\$375,000	\$380,625	\$386,334	\$392,129	\$398,011	\$403,982	\$410,041	\$416,192	\$422,435	\$428,771
PILOT Payment	\$81,201	\$93,025	\$94,886	\$96,784	\$98,719	\$100,694	\$102,708	\$104,762	\$106,857	\$108,994
Net Before Debt Service and Capital Expenditures	\$151,939	\$370,162	\$588,265	\$580,658	\$604,040	\$596,183	\$620,244	\$612,128	\$636,978	\$628,688
Debt Service										
Existing Debt P&I	\$126,250	\$123,913	\$121,561	\$124,064	\$121,415	\$123,600	\$115,688	\$94,020	\$95,930	\$38,665
New (2023-2032) Debt Service P&I	\$0	\$5,731,135	\$457,271	\$454,491	\$451,709	\$448,924	\$446,138	\$443,348	\$440,557	\$437,763
Total Debt Service	\$126,250	\$5,855,048	\$578,832	\$578,555	\$573,124	\$572,525	\$561,826	\$537,368	\$536,487	\$476,428
Transfer In (Out)	\$0	\$8,121	\$39,093	\$39,084	\$39,076	\$39,066	\$39,057	\$39,047	\$39,038	\$39,027
Less: Capital Improvements	\$3,169,512	\$2,499,500	\$10,000	\$10,000	\$10,000	\$10,000	\$10,000	\$10,000	\$10,000	\$10,000
Debt Proceeds	\$5,320,000	\$5,650,816	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Net Annual Cash Flow	\$2,176,178	(\$2,325,449)	\$38,525	\$31,186	\$59,992	\$52,724	\$87,475	\$103,807	\$129,529	\$181,288
Restricted and Unrestricted Cash Balance:										
Balance at first of year	\$575,788	\$2,751,966	\$426,517	\$465,042	\$496,229	\$556,221	\$608,945	\$696,420	\$800,227	\$929,756
Net Annual Cash Flow Addition/(subtraction)	\$2,176,178	-\$2,325,449	\$38,525	\$31,186	\$59,992	\$52,724	\$87,475	\$103,807	\$129,529	\$181,288
Balance at end of year	\$2,751,966	\$426,517	\$465,042	\$496,229	\$556,221	\$608,945	\$696,420	\$800,227	\$929,756	\$1,111,044
"All-in" Debt Coverage	1.20	1.37	1.08	1.07	1.12	1.11	1.17	1.21	1.26	1.40
PSC Days Cash on Hand	2,286	48	120	141	181	217	275	346	434	558



Notes:

- 1) Assumes no changes in customer count or usage beyond Test Year.
- 2) Assumes 1.50% annual inflation beyond budget year.

Legend:



Simplified Rate Case (if eligible)
Conventional (Full) Rate Case

Table 10

Water Utility Financial Benchmarking Analysis Projected 2023 - 2032

Village of Cambridge, WI

	Budget 2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
Target minimum cash balance										
Target minimum working capital - Ehlers ¹	859,757	933,734	936,977	935,118	938,144	931,125	910,401	913,310	857,097	856,777
Actual Days Cash Available - PSC ²	2,376	138	210	231	271	307	365	436	524	648
Actual Days Cash Available - Moody's ³	2,564	296	328	352	402	444	515	598	701	845
Actual Days Cash Available - S&P ⁴	2,564	296	328	352	402	444	515	598	701	845
Actual working capital-cash balance										
Over (Under) Ehlers target	1,892,209	(507,217)	(471,935)	(438,889)	(381,924)	(322,180)	(213,981)	(113,082)	72,660	254,267
Over (Under) PSC target (90 days)	2,286	48	120	141	181	217	275	346	434	558
Over (Under) Moody's target (150 days)	2,414	146	178	202	252	294	365	448	551	695
Over (Under) S&P target (150 days)	2,414	146	178	202	252	294	365	448	551	695

Notes:

- 1) Target capital equals 6 mos of next year's operating expenses, including depreciation, plus 100% of following year's debt.
- 2) PSC formula = O&M expense + taxes + interest on long term debt + 365 to get expense per day. Then Unrestricted Cash ÷ expense per day
- 3) Moody's Formula = [(Unrestricted Cash + Liquid Investments) * 365 days] ÷ Total O&M Expenses less Depreciation
- 4) S&P Formula = [(Unrestricted Cash + Liquid Investments) * 365 days] ÷ Total O&M Expenses less Depreciation; include designated reserve funds: ERFs, RSFs, etc

Rate of Return										
Average Utility Plant in Service	5,653,953	8,436,709	9,655,959	9,665,959	9,675,959	9,685,959	9,695,959	9,705,959	9,715,959	9,725,959
Plus: Materials and Supplies	0	0	0	0	0	0	0	0	0	0
Less: Utility Plant Accumulated Depreciation	1,797,772	2,023,716	2,303,477	2,583,610	2,864,114	3,144,989	3,426,235	3,707,853	3,989,841	4,272,201
Less: Regulatory Liability	1,644	0	0	0	0	0	0	0	0	0
Average Net Investment Rate Base (NIRB)	3,854,537	6,412,994	7,352,482	7,082,350	6,811,846	6,540,971	6,269,724	5,998,107	5,726,118	5,453,758
Net Operating Income	(1,636)	120,380	284,664	276,685	299,696	291,467	315,157	306,670	331,148	322,486
ROR	-0.04%	1.88%	3.87%	3.91%	4.40%	4.46%	5.03%	5.11%	5.78%	5.91%
Benchmark	6.20%	6.20%	6.20%	6.20%	6.20%	6.20%	6.20%	6.20%	6.20%	6.20%

Cost Recovery										
Operating Revenues	594,302	819,974	1,045,646	1,045,731	1,076,931	1,077,018	1,109,153	1,109,241	1,142,429	1,142,612
Operating Expenses incl. Depr & Amortization	546,747	649,419	709,803	716,844	723,988	731,239	738,598	746,066	753,645	761,338
Operating Expenses w/o Depr & Amortization	375,000	380,625	386,334	392,129	398,011	403,982	410,041	416,192	422,435	428,771
Cost Recovery incl. Depr	1.09	1.26	1.47	1.46	1.49	1.47	1.50	1.49	1.52	1.50
Cost Recovery w/o Depr	1.46	1.71	1.84	1.83	1.82	1.81	1.80	1.79	1.78	1.78
Target	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Notes:

This operating ratio indicates whether operating revenues (mostly charges to customers) were sufficient to cover operations and capital (in the form of depreciation) for the water and/or wastewater utility in the fiscal year. A ratio of less than 1 could be a sign of financial concern. In general, this ratio should be > 1 to accommodate future capital investments.

Leverage										
Total Long-Term Debt	6,216,308	6,450,229	6,111,217	5,761,577	5,406,155	5,039,796	4,672,341	4,317,556	3,951,713	3,634,649
Total Net Assets	9,060,789	11,489,289	11,499,289	11,509,289	11,519,289	11,529,289	11,539,289	11,549,289	11,559,289	11,569,289
Debt-to Equity Ratio	0.69	0.56	0.53	0.50	0.47	0.44	0.40	0.37	0.34	0.31

Notes:

This indicator measures the existing level of leveraging of assets, and is used by funders and rating agencies to evaluate the risk of providing additional loans to the utility. The ratio indicates the amount of long-term debt that exists for every \$1 of assets (fund equity). A utility with a ratio > 1 has more long-term debt than equity in the system's assets. There are no natural benchmarks for this indicator, and funders and rating agencies will assess this ratio in various ways. In general, the higher this ratio, the more likely the utility will be considered to be over-leveraged and the more difficult it will be for the utility to obtain additional loans. Net Assets are equal to the Net Investment Rate Base of the utility.

Condition of Assets:										
Accumulated Depreciation Expense	1,797,772	2,023,716	2,303,477	2,583,610	2,864,114	3,144,989	3,426,235	3,707,853	3,989,841	4,272,201
Total Net Assets	9,060,789	11,489,289	11,499,289	11,509,289	11,519,289	11,529,289	11,539,289	11,549,289	11,559,289	11,569,289
Asset Depreciation	19.84%	17.61%	20.03%	22.45%	24.86%	27.28%	29.69%	32.10%	34.52%	36.93%

Notes:

This indicator of infrastructure condition estimates the portion of the average expected life of the utility's physical assets that has already passed. As this ratio approaches 100%, the capital assets become fully depreciated, and infrastructure needs replacement or rehabilitation. The accuracy of this indicator relies heavily on the accuracy of the depreciation schedule, and historic pricing likely distorts this indicator (newer utilities may be slightly disadvantaged as a result).



Table 11
Water Utility Statement of Projected Revenue Bond Coverage
Village of Cambridge, WI

2023	618,141	(375,000)	243,141	71,230	-	144,698	71,230	3.41	123,283
2024	843,812	(380,625)	463,187	70,101	-	418,178	214,799	2.16	155,751
2025	1,069,485	(386,334)	683,151	68,971	-	415,407	487,149	1.40	59,371
2026	1,069,571	(392,129)	677,441	72,704	-	412,633	488,111	1.39	53,842
2027	1,100,771	(398,011)	702,759	71,300	-	409,858	483,933	1.45	78,274
2028	1,100,858	(403,982)	696,876	69,820	-	407,080	479,678	1.45	77,823
2029	1,132,993	(410,041)	722,952	68,266	-	404,301	475,346	1.52	103,015
2030	1,133,082	(416,192)	716,890	57,805	-	401,519	462,106	1.55	111,406
2031	1,166,270	(422,435)	743,835	55,935	-	398,736	457,454	1.63	137,614
2032	1,166,453	(428,771)	737,682	-	-	395,949	398,736	1.85	191,410
2033	1,142,855	(435,203)	707,652	-	-	393,161	395,949	1.79	170,172
2034	1,143,046	(441,731)	701,315	-	-	390,370	393,161	1.78	167,891
2035	1,143,240	(448,357)	694,884	-	-	387,577	390,370	1.78	165,537
2036	1,143,240	(461,808)	681,433	-	-	384,781	387,577	1.76	157,569
2037	1,143,240	(475,662)	667,579	-	-	381,983	384,781	1.73	149,282
2038	1,143,240	(489,932)	653,309	-	-	379,182	381,983	1.71	140,664
2039	1,143,240	(504,630)	638,611	-	-	376,378	379,182	1.68	131,707
2040	1,143,240	(519,768)	638,611	-	-	-	376,378	1.70	134,510

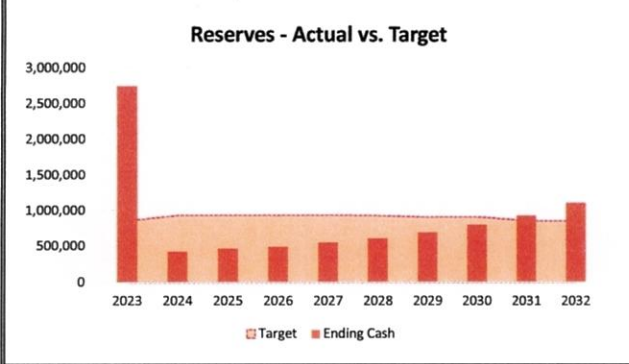
Notes:

1) Revenue Coverage determined from 2015 Revenue Bonds.

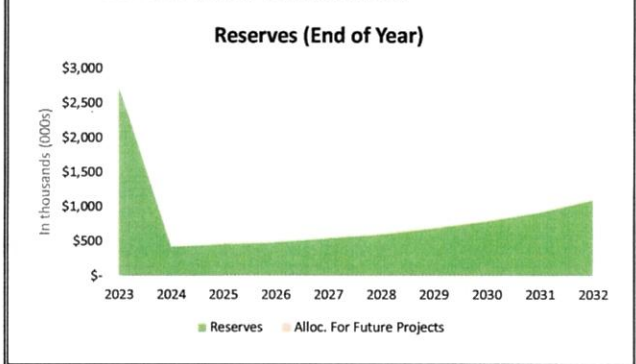


Table 12 Water Utility Long-Range Planning Analysis Village of Cambridge, WI

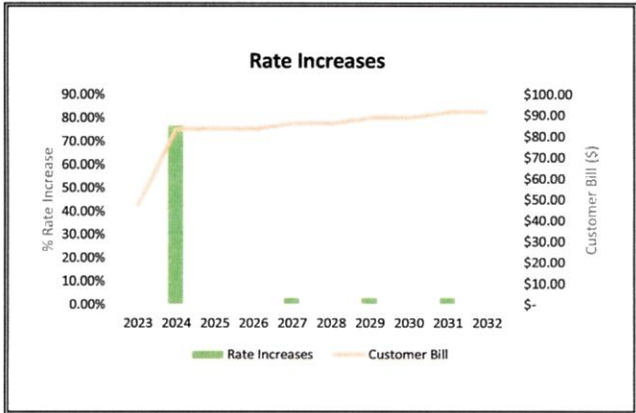
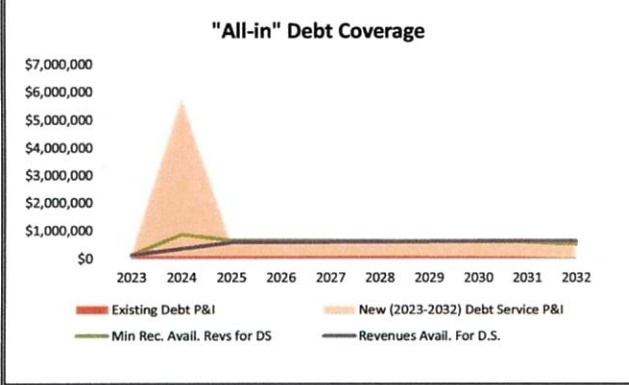
Are rates set to maintain adequate reserves?



How much reserves are planned for future projects?



Are rates set to pay for financial obligations?





2023 Water Rate Study

Section 3 — Rate Impact Analysis

Village of Cambridge, WI

Table 13
Projected Impact of CIP on Typical Residential Utility Bill

Village of Cambridge, WI

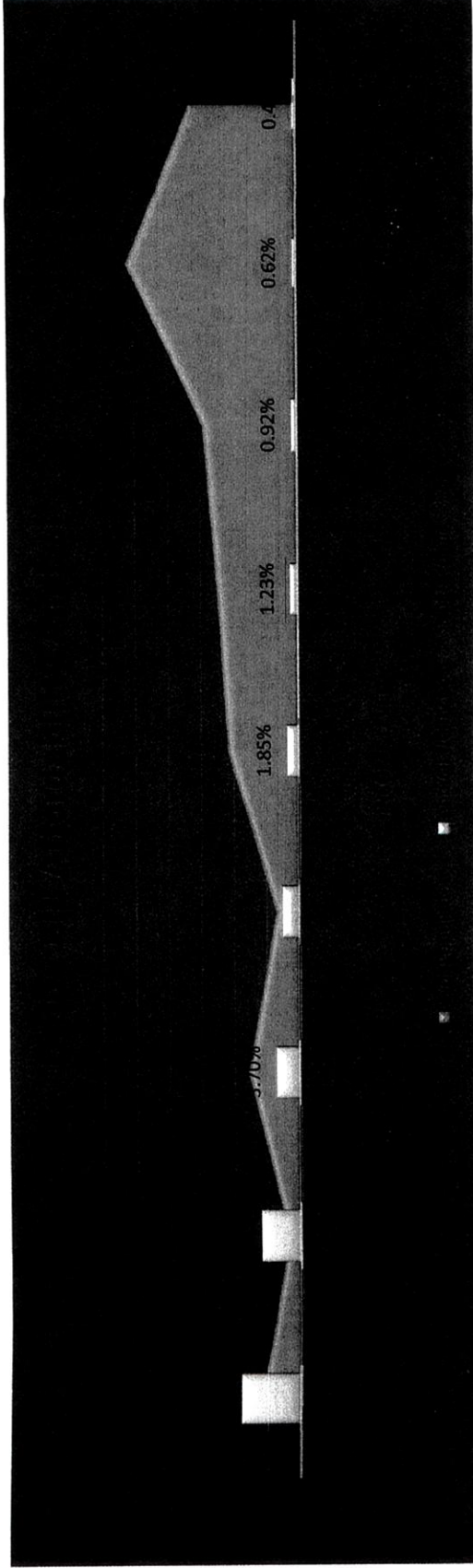
Year	Increase	Water				Utility Bill (Monthly)	Change Over Prior Year	Utility Bill (Annual)	Change Over Prior Year	% of MHI (79,821)	Year
		Water Vol. Charge ¹	Water User Charge ²	Water							
				Tiered	Serv. + PFP						
2022		6.46	15.07		\$ 47.37		\$ 568.44		0.71%	2022	
2023	0.00%	6.46	15.07		\$ 47.37	\$ -	\$ 568.44	\$ -	0.71%	2023	
2024	77.00%	11.43	26.67		\$ 83.84	\$ 36.47	\$ 1,006.14	\$ 437.70	1.26%	2024	
2025	0.00%	11.43	26.67		\$ 83.84	\$ -	\$ 1,006.14	\$ -	1.26%	2025	
2026	0.00%	11.43	26.67		\$ 83.84	\$ -	\$ 1,006.14	\$ -	1.26%	2026	
2027	3.00%	11.78	27.47		\$ 86.36	\$ 2.52	\$ 1,036.32	\$ 30.18	1.30%	2027	
2028	0.00%	11.78	27.47		\$ 86.36	\$ -	\$ 1,036.32	\$ -	1.30%	2028	
2029	3.00%	12.13	28.30		\$ 88.95	\$ 2.59	\$ 1,067.41	\$ 31.09	1.34%	2029	
2030	0.00%	12.13	28.30		\$ 88.95	\$ -	\$ 1,067.41	\$ -	1.34%	2030	
2031	3.00%	12.49	29.15		\$ 91.62	\$ 2.67	\$ 1,099.44	\$ 32.02	1.38%	2031	
2032	0.00%	12.49	29.15		\$ 91.62	\$ -	\$ 1,099.44	\$ -	1.38%	2032	

Notes:

1. Current water volumetric rate is \$6.46 per 1,000 gallons for the first 8,333 gallons used per month.
2. The water user charges include a monthly service charge of \$15.07 for a 5/8 inch meter. Public fire protection is charged on the tax bill.
3. The usage is assumed to be 5,000 Gallons per month



Table 14
Projected Impact of CIP on Typical Residential Utility Bill - Affordability
Village of Cambridge, WI



Notes:

- 1) Utility Cost taken as a 5-year average of water bills for an average (5/8"; 5 kgal./mo.) Residential User.
- 2) Village Income Level from U.S. Census Bureau's American Community Survey.
- 3) 15.8% of residential customers are estimated to have less than \$25,000 of income. These households will have spent more than 6.37% of their income under the 4-year average for this plan.