



**VILLAGE OF BURR RIDGE  
WATER COMMITTEE  
BURR RIDGE VILLAGE HALL – BOARD ROOM  
WEDNESDAY, DECEMBER 14, 2022 – 6:00 PM**

- 1. CALL TO ORDER**
- 2. ROLL CALL**
- 3. APPROVAL OF MINUTES OF MARCH 10, 2022, MEETING**
- 4. CONSIDERATION OF FINAL WATER RATE MODEL STUDY RESULTS**
- 5. CONSIDERATION OF DRAFT FY2024 WATER AND SEWER BUDGETS**
- 6. OTHER CONSIDERATIONS**
- 7. PUBLIC COMMENT**
- 8. ADJOURNMENT**

**MINUTES  
WATER COMMITTEE MEETING  
Thursday, March 10, 2022**

**CALL TO ORDER**

The meeting of the Water Committee was held and called to order at 6:06 p.m. by Trustee Paveza. This meeting was held via Zoom consistent with Public Act 101-0640.

**ROLL CALL**

Present: Trustees Al Paveza was present in the Board Room. Trustees Joe Snyder and Guy Franzese were present via Zoom.

Absent: None

Also Present: Village Administrator Evan Walter was present in the Board Room. Public Works Director David Preissig was present via Zoom.

**APPROVAL OF MINUTES OF FEBRUARY 2, 2022 MEETING**

A **motion** was made by Trustee Snyder to approve the minutes of the February 2, 2022 meeting. The motion was **seconded** by Trustee Franzese and approved by a vote of 3-0.

**CONSIDERATION OF HYRDAULIC AND RATE MODEL STUDIES**

Mr. Walter said that the Carriage Way project had been revised to show 201 affected residential units instead of 115 in the CMT study.

Mr. Walter said that the option of moving the Carriage Way study forward to FY2024 from FY2026 presented a more than double rate increase in both PAYGO and debt options. The Committee felt that the increase in rates from the original proposal was too great to justify re-scheduling this project. The Committee tabled further discussion of water rates beyond FY2023 to the fall when further information would be available.

**CONSIDERATION OF ORGANIZATIONAL SERVICE LEVELS**

Mr. Walter reviewed staff's proposal to implement an advanced metering infrastructure (AMI) technology in the Village to accommodate a transition to a monthly billing cycle. Trustee Paveza asked if the Village would need to hire additional staff if the AMI project were implemented. Mr. Walter said that not only would no additional staff be necessary, but the AMI technology would increase available time for existing staff to focus on other projects and maintenance. Mr. Walter said that the AMI project would have a return on investment of approximately 9 months if fixed billing of \$10 per month were included. Trustee Snyder said that the project should proceed immediately and supported the concept. Trustee Franzese agreed that the project should proceed.

A **motion** was made by Trustee Snyder to recommend that the Board of Trustees approve the implementation of an AMI system and move to a monthly billing cycle by FY2024 and to allocate \$200,000 in the FY2023 budget for AMI implementation purposes. The motion was **seconded** by Trustee Franzese and **approved** by a vote of 3-0.

**ADJOURNMENT**

A **motion** was made by Trustee Snyder to adjourn the meeting. The motion was **seconded** by Trustee Franzese and **approved** by a vote of 3-0. The meeting was adjourned at 6:32 p.m.

Respectively submitted,

A handwritten signature in black ink that reads "EVAN WALTER". The signature is written in a cursive, slightly slanted style.

Evan Walter  
Village Administrator

# Village of Burr Ridge, IL

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**Water Rate Study Recommendations**

**Five-Year CIP Recommendations**

December 14, 2022

# Financial Plan Assumptions

- *O&M – Operations and Maintenance*
- Inflationary adjustment of 4.0% for employee benefits and 2.5% for all other O&M costs in FY2024 and beyond.
- **Assumed 3.0% annual increases in cost of water that is supplied from City of Chicago through Bedford Park. These increases are in addition to those proposed later in the presentation.**
- Establish a Water Fund balance target of 90 days of O&M.

# Rate Structure

- Fixed Charges
- Current State
  - › 2 different fixed charges (residential and non-residential)
  - › Charged bi-monthly
  - › \$10.00 for residential and \$20.00 for non-residential
- Evaluation
  - › Current fixed charge is consistent with other communities in region that have fixed charges
  - › Minority of communities have no fixed charges

## Fixed Charges

- Stable Revenue
- Impacts lower volume users
- May discourage conservation
- System is available regardless of use.

# Rate Structure

- Volume Charges
- Current State
  - › Inclining block water rate for residential customers
    - Tier 1 0-70,000 gallons
    - Tier 2 70,001-90,000 gallons
    - Tier 3 90,001+ gallons
  - › Single volume charge for non-residential customers
- Recommendation
  - › Tiers should be adjusted to better align with intent, charge more to those who peak and promote conservation

## Volume Charges

- Less Stable Revenue
- Impacts higher volume users
- May encourage conservation
- Customers who use more should pay more.

# Tier Reorganization

- The range in Tier 2 of the water rates, usage of 70,000 gallons to 90,000 gallons in a bi-monthly period, is narrower than what is typical for this type of rate structure
- Entry into Tier 2 could better reflect discretionary usage of water outdoors that contributes to system peaks
- Propose lower the cut-off over time, 10,000 gallons in a bi-monthly period for four years
- Table below shows usage per bi-monthly period by tier (in gallons)

	Current	FY 2024	FY 2025	FY 2026	FY 2027
Tier 1	<70,000	<60,000	<50,000	<40,000	<30,000
Tier 2	70,000-90,000	60,000-90,000	50,000-90,000	40,000-90,000	30,000-90,000
Tier 3	>90,000	>90,000	>90,000	>90,000	>90,000



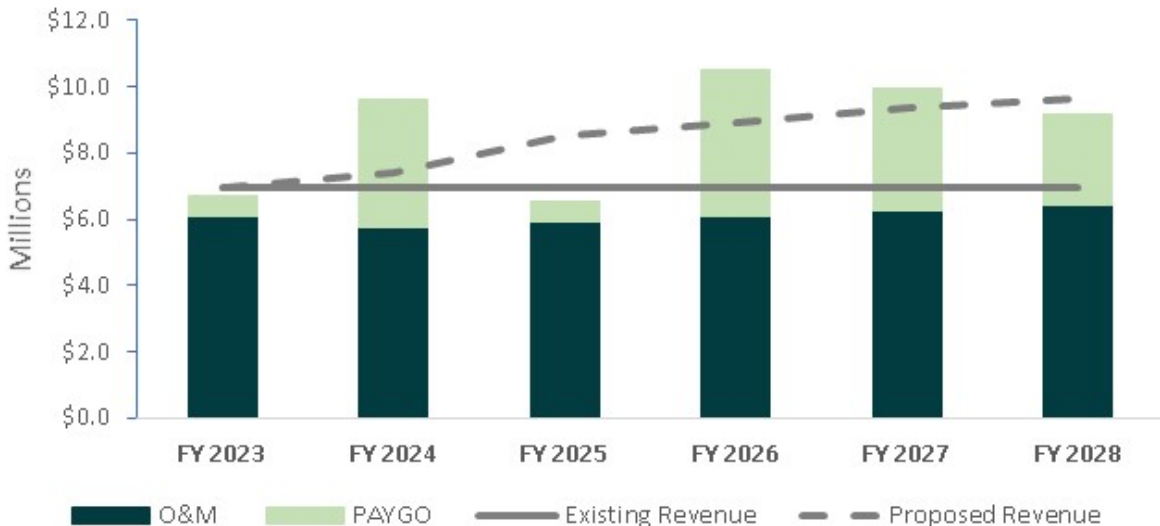
# Monthly Billing

- Rollout of Advanced Metering Infrastructure (AMI) will allow for monthly billing with limited impact on cost to utility.
- Bi-monthly fixed charge will be converted to a monthly charge and residential volume tiers will be halved to account for monthly billing.
- Monthly billing will provide a more timely pricing signal of the residential tiered rate structure to residents.

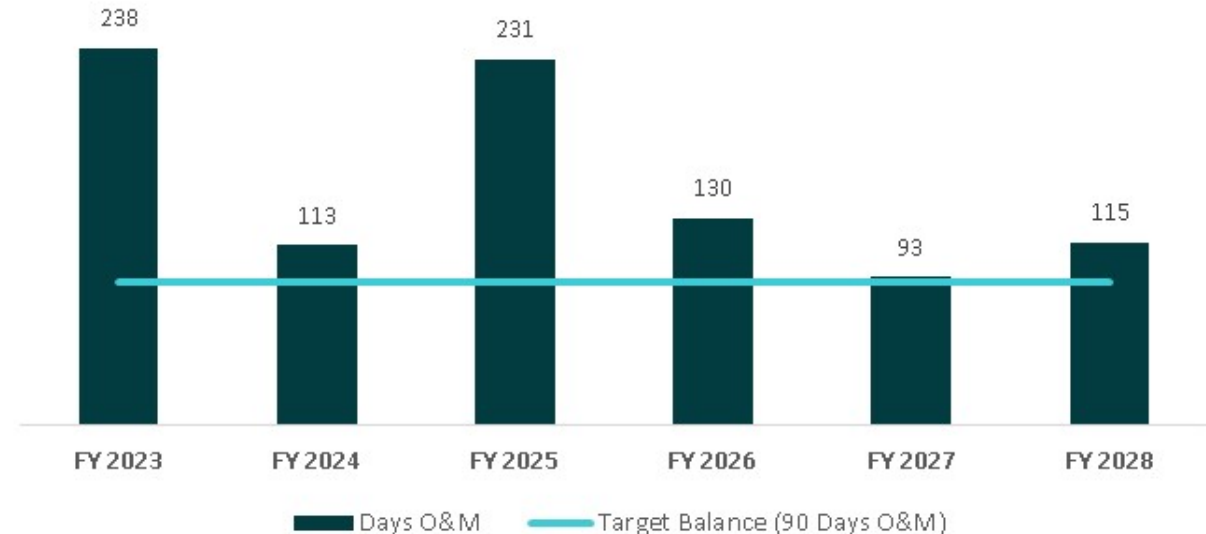
# Water Utility Financial Plan

- Cumulative 28% total rate increase, 7.0% in FY 2024, 5.0% in FY 2025, FY 2026, and FY 2027, and inflationary 3.0% in FY 2028 and beyond.
- Fully finances needed capital improvements and will provide approximately \$2 million annually in FY 2028 and beyond for future distribution system projects.

WATER FINANCIAL PLAN



FUND BALANCE (Days O&M)



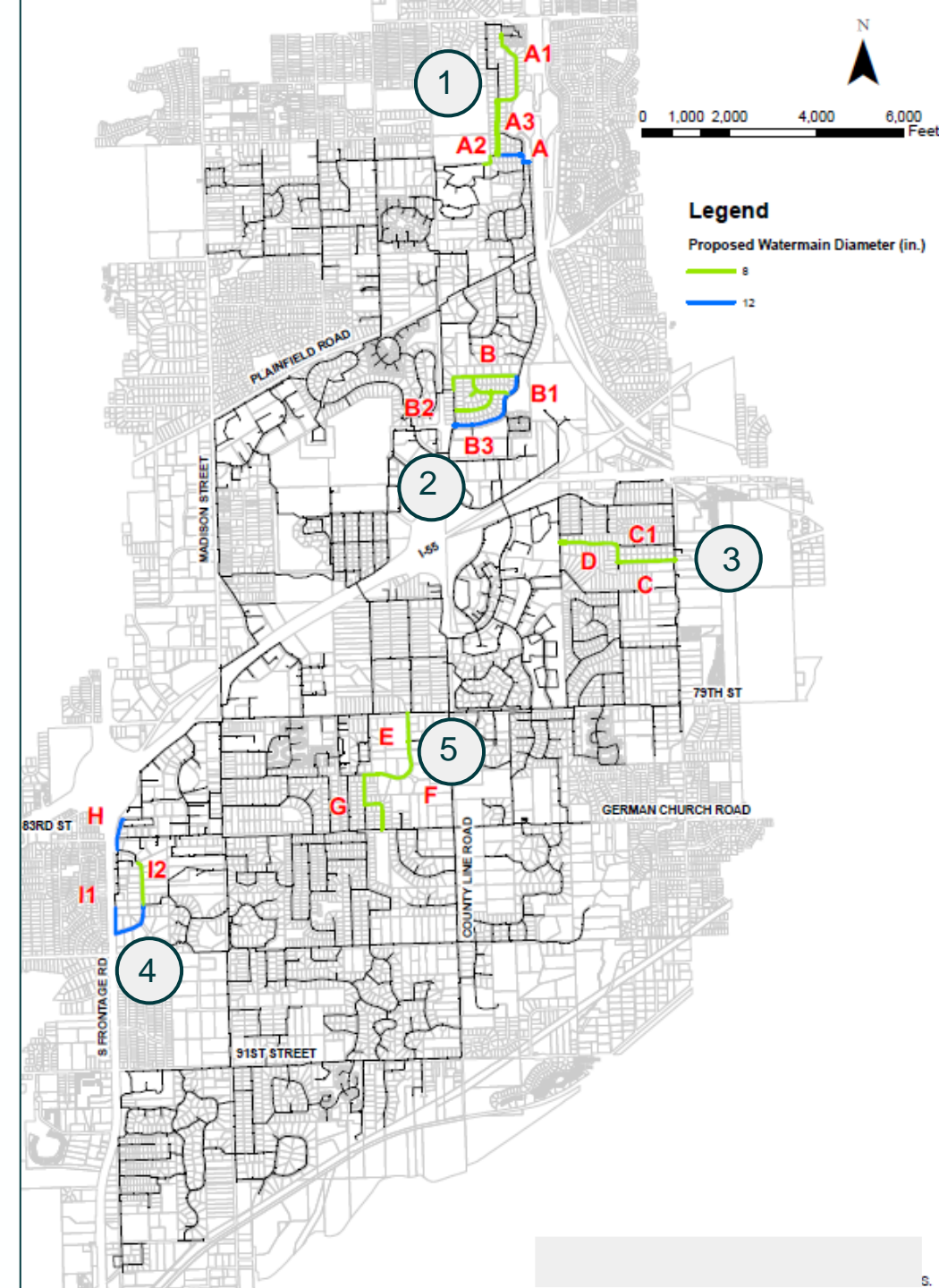
# Regional Rate Comparison

- Assumes 5% annual rate growth for other communities

Town	FY23	FY24	FY25	FY26	FY27	FY28
Lisle	\$ 125.64	\$ 131.92	\$ 138.52	\$ 145.44	\$ 152.72	\$ 160.35
Countryside	\$ 138.70	\$ 145.64	\$ 152.92	\$ 160.56	\$ 168.59	\$ 177.02
Wheaton	\$ 148.70	\$ 156.14	\$ 163.95	\$ 172.14	\$ 180.75	\$ 189.79
Hickory Hills	\$ 150.37	\$ 157.89	\$ 165.78	\$ 174.07	\$ 182.77	\$ 191.91
Bloomington	\$ 150.84	\$ 158.38	\$ 166.30	\$ 174.62	\$ 183.35	\$ 192.51
Naperville	\$ 155.87	\$ 163.67	\$ 171.85	\$ 180.44	\$ 189.46	\$ 198.94
Downers Grove	\$ 166.05	\$ 174.35	\$ 183.07	\$ 192.22	\$ 201.83	\$ 211.92
Willowbrook	\$ 174.06	\$ 182.76	\$ 191.90	\$ 201.50	\$ 211.57	\$ 222.15
Lombard	\$ 175.96	\$ 184.76	\$ 194.00	\$ 203.70	\$ 213.88	\$ 224.57
Woodridge	\$ 178.30	\$ 187.22	\$ 196.58	\$ 206.40	\$ 216.72	\$ 227.56
Glen Ellyn	\$ 178.74	\$ 187.68	\$ 197.06	\$ 206.91	\$ 217.26	\$ 228.12
Oakbrook Terrace	\$ 179.46	\$ 188.43	\$ 197.85	\$ 207.75	\$ 218.13	\$ 229.04
<b>AVERAGE</b>	<b>\$ 188.25</b>	<b>\$ 197.84</b>	<b>\$ 207.83</b>	<b>\$ 218.32</b>	<b>\$ 229.24</b>	<b>\$ 240.48</b>
Plainfield	\$ 191.55	\$ 201.13	\$ 211.19	\$ 221.75	\$ 232.83	\$ 244.48
<b>Burr Ridge</b>	<b>\$ 195.04</b>	<b>\$ 208.69</b>	<b>\$ 221.21</b>	<b>\$ 234.49</b>	<b>\$ 246.21</b>	<b>\$ 253.60</b>
Darien	\$ 195.50	\$ 205.28	\$ 215.54	\$ 226.32	\$ 237.63	\$ 249.51
Hinsdale	\$ 200.70	\$ 210.73	\$ 221.27	\$ 232.33	\$ 243.95	\$ 256.14
Bensenville	\$ 201.59	\$ 211.67	\$ 222.25	\$ 233.37	\$ 245.03	\$ 257.29
Willow Springs	\$ 213.12	\$ 223.78	\$ 234.96	\$ 246.71	\$ 259.05	\$ 272.00
Elmhurst	\$ 217.10	\$ 227.96	\$ 239.35	\$ 251.32	\$ 263.89	\$ 277.08
Oak Brook	\$ 241.04	\$ 253.09	\$ 265.75	\$ 279.03	\$ 292.99	\$ 307.63
Indian Head Park	\$ 280.44	\$ 294.46	\$ 309.19	\$ 324.64	\$ 340.88	\$ 357.92
Clarendon Hills	\$ 282.80	\$ 296.94	\$ 311.79	\$ 327.38	\$ 343.75	\$ 360.93

# Recommended Watermain Improvements

- **Laurie Lane/Woodview Lane/South Drive (A, A1, A2, A3)**
  - Lacks redundancy, low available fire flow, watermain condition
- **Carriage Way (B, B1, B2, B3)**
  - Watermain condition
- **73<sup>rd</sup> Place /74<sup>th</sup> Street (C, C1, D)**
  - Watermain condition
- **Drew Avenue/81<sup>st</sup> Street/Park Avenue/Kathryn Court (E, F, G)**
  - Watermain condition
- **Frontage Road/Meadowbrook Drive (I1, I2, H)**
  - Lacks redundancy, low available fire flow



# Five Year Capital Investment Plan (CIP) – Water Fund

	FY 2024	FY2025	FY 2026	FY 2027	FY 2028
South Water Tower Rehab	\$877,000				
North Water Tower Rehab				\$1,834,000	
Woodview/South/Gregford Watermain Replacement	\$2,470,000				
Hinsdale Interconnection		\$100,000			
PC Pump 4 Replacement		\$160,000			
Skidsteer (50%)			\$54,800		
Case 590 Backhoe			\$190,000		
Carriage Way PHII Watermain Replacement			\$2,810,000		
Future Distribution System Projects			\$500,000	\$1,000,000	\$2,000,000
Well Abandonment (1, 2, and 5)		\$116,000			
<b>Total Water Fund</b>	<b>\$3,347,000</b>	<b>\$376,000</b>	<b>\$3,554,800</b>	<b>\$2,834,000</b>	<b>\$2,000,000</b>

# Five Year Capital Investment Plan (CIP) - Sewer Fund

	FY 2024	FY2025	FY 2026	FY 2027	FY 2028
Force Main Assessments (Chasemoor LS and Arrowhead LS)	\$110,000				
Woodview Estates Sanitary Repairs <i>(with water main replacement)</i>		\$120,000			
Force Main Rehabilitation (Chasemoor - 1,130 linear feet of 8" DIP)		\$273,000			
Force Main Rehabilitation (Arrowhead - 2,190 linear feet of 6" DIP)			\$454,000		
Carriage Way Sanitary Repairs <i>(with water main replacement)</i>			\$150,000		
Force Main Assessments (Highland Fields LS)				\$55,000	
Sanitary Sewer Pipe Lining Projects <i>(7 of 17 miles over 5 years)</i>				\$450,000	\$465,000
<b>Total Sewer Fund C.I.P.</b>	<b>\$110,000</b>	<b>\$393,000</b>	<b>\$604,800</b>	<b>\$505,000</b>	<b>\$465,000</b>

Developed through the IICP (Inflow & Infiltration Control Program) study and field work in 2019-2022