

# Drinking Water Rate Study Findings

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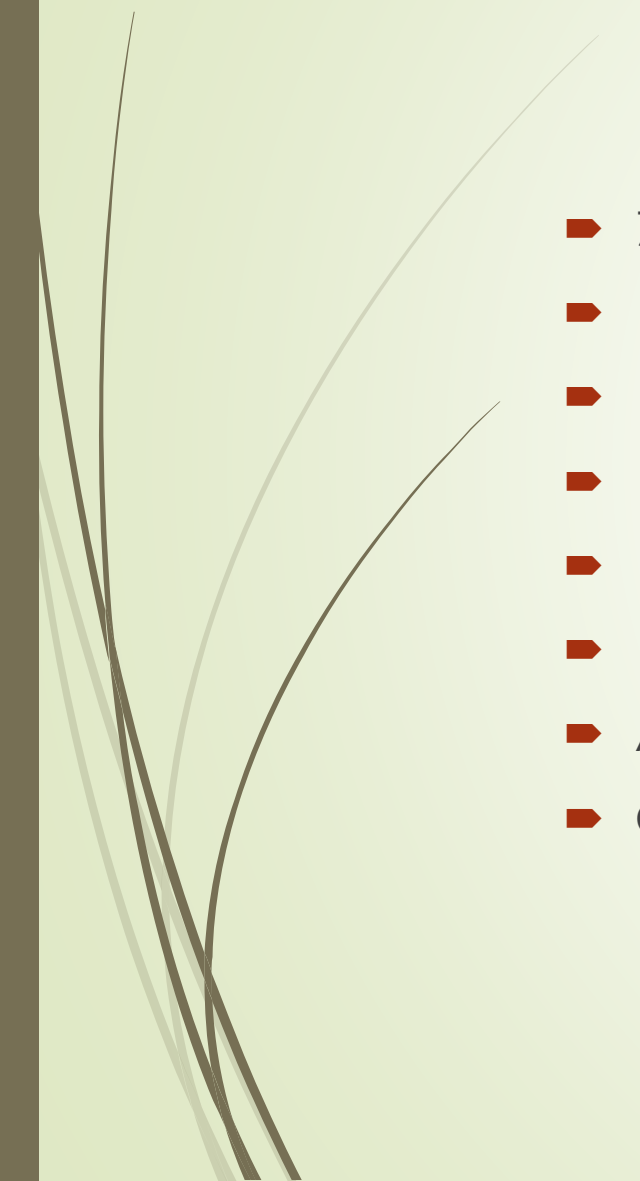
# System Overview

- Five supply wells w/capacity of 9.6 MGD
- Four elevated storage tanks w/2.25 MG's of storage
- Approximately 100 miles of underground water mains.
- 900 fire hydrants
- 1600 system valves
- Supply 1 billion gallons water per year
- 3700 customers
- 6 operators, 2 lab techs and 2 administrative staff





# Capital Projects 2015-Today

- 750,000 gallon elevated storage tank.
  - 1400 gal/min wellhouse (well 12)
  - 1400 gal/min radium removal plant (well 11)
  - 1300 gal/min wellhouse (well 10)
  - 1400 gal/min radium removal plant (well 12)
  - 1200 gal/min wellhouse (well 4)
  - After 2022, will have replaced over 4,000 meters.
  - Certified bacteriological lab
- 





## Well 10: Before





Well 10: Before





New Well 10



Well 11 Before





Well 11 After



Well 12 and Tower



Well 4 Old Wellhouse





Well 4 New Wellhouse

# Capital Investment Since 2015

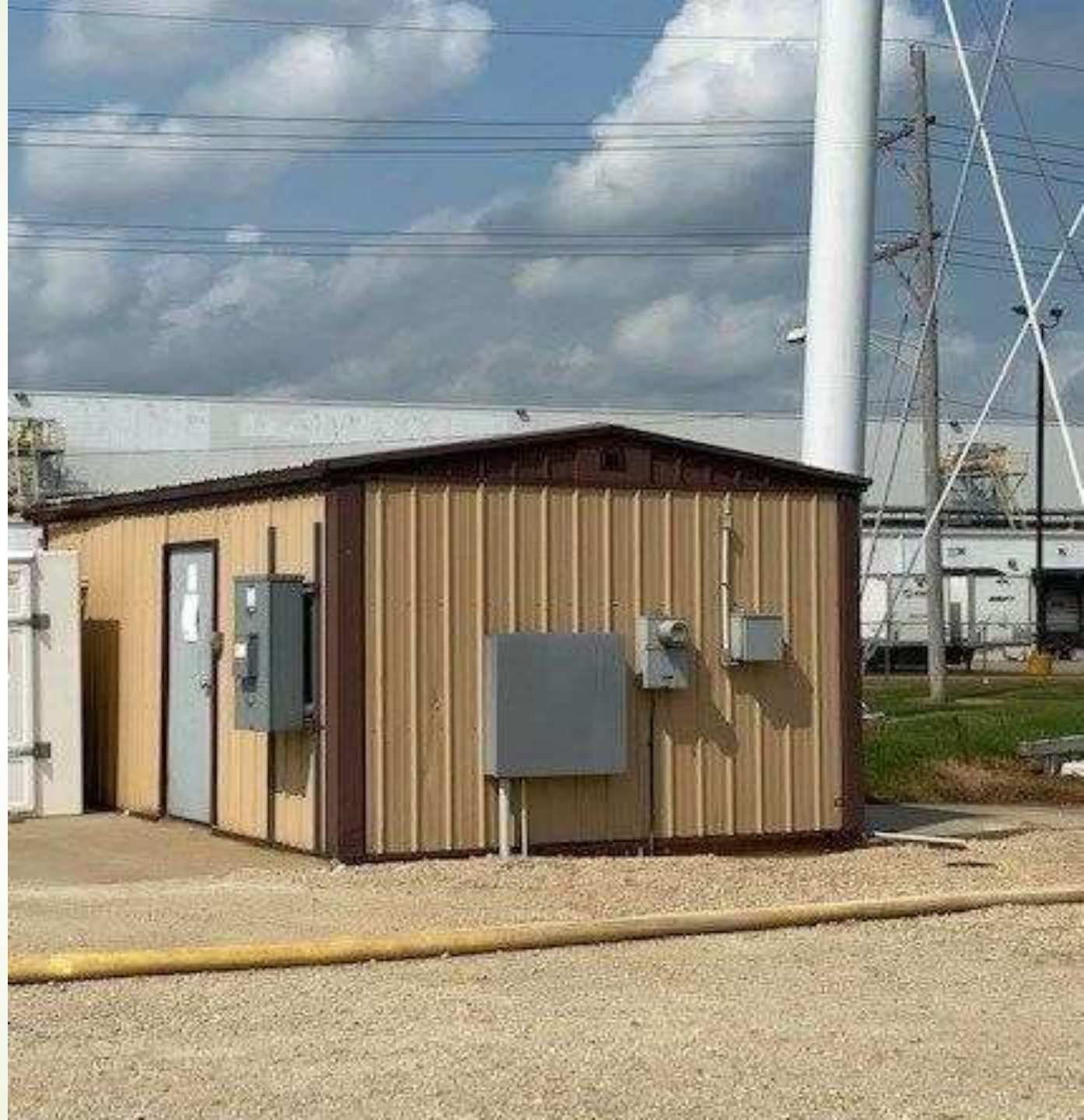
- ➡ \$13 Million
- ➡ \$2 Million Principal Forgiveness





# Upcoming Projects

- Well 8 Iron Removal Plant –  
Estimated cost \$7.2 million





# Upcoming Projects

- Watermain Replacement  
Ongoing Project to replace  
2500 – 5000 feet per year



# Upcoming Projects

- Painting and Rehab of Water Tower  
Cost Estimate \$1 million



# Water Budget Projection

	CY 2022	CY 2023	CY 2024	CY 2025	CY 2026	CY 2027
Expenditures						
Fixed Charge Expenses	\$ 429,500	\$ 442,385	\$ 455,657	\$ 469,326	\$ 483,406	\$ 497,908
Basic User Expenses	\$1,969,147	\$2,073,826	\$2,134,207	\$2,200,749	\$2,259,738	\$2,320,518
Equipment Replacement Expenses	\$ 0	\$ 158,100	\$ 158,100	\$ 158,100	\$ 158,100	\$ 158,100
Non-Debt Funded Projects Expenses	\$1,300,000	\$4,685,000	\$4,030,000	\$ 475,000	\$ 585,000	\$ 675,000
Capital Recovery Expenses – Debt Service	\$ 441,132	\$ 441,132	\$ 441,132	\$ 619,132	\$ 619,132	\$ 619,132
Total Expenditures	\$4,139,779	\$7,800,443	\$7,219,096	\$3,922,307	\$4,105,376	\$4,270,658
Revenues						
Water Sales	\$3,170,439	\$3,412,916	\$3,574,098	\$3,733,137	\$3,897,362	\$4,059,444
Other Revenue	\$ 173,500	\$ 197,260	\$ 201,690	\$ 206,298	\$ 211,090	\$ 216,074
IEPA Loan Reimbursements/Grants	\$ 300,000	\$4,200,000	\$3,450,000	\$ 0	\$ 0	\$ 0
Total Revenue	\$3,643,939	\$7,810,176	\$7,225,788	\$3,939,435	\$4,108,452	\$4,275,518
Net Income/(Loss)	<b>(\$ 495,841)</b>	<b>\$ 9,733</b>	<b>\$ 6,692</b>	<b>\$ 17,128</b>	<b>\$ 3,076</b>	<b>\$ 4,860</b>



# Proposed Residential Rates

CY 2022	CY 2023	CY 2024	CY 2025	CY 2026	CY 2027
<b>\$9.35/User/Mo.</b>	\$9.82/User/Mo.	\$10.12/User/Mo.	\$10.42/User/Mo.	\$10.74/User/Mo.	\$11.06/User/Mo.

Charge	CY 2022	CY 2023	CY 2024	CY 2025	CY 2026	CY 2027
Basic User Rate	\$2.22/HCF	\$2.69/HCF	\$2.96/HCF	\$3.04/HCF	\$3.25/HCF	\$3.32/HCF
Equipment Replacement Rate	\$0.12/HCF	\$0.12/HCF	\$0.12/HCF	\$0.12/HCF	\$0.12/HCF	\$0.12/HCF
Non-Debt Funded Projects Rate	\$1.35/HCF	\$1.11/HCF	\$1.11/HCF	\$1.11/HCF	\$1.17/HCF	\$1.37/HCF
Capital Recovery Rate	\$0.52/HCF	\$0.52/HCF	\$0.52/HCF	\$0.71/HCF	\$0.71/HCF	\$0.71/HCF
Total	\$4.21/HCF	\$4.44/HCF	\$4.71/HCF	\$4.98/HCF	\$5.25/HCF	\$5.52/HCF

# Proposed General Service/Industrial Rates

Charge	CY 2022		CY 2023	
	0-100,000 CF	Over 100,000 CF	0-100,000 CF	Over 100,000 CF
Basic User Rate	\$2.22/HCF	\$0.59/HCF	\$2.69/HCF	\$0.62/HCF
Equipment Replacement Rate	\$0.12/HCF	\$0.12/HCF	\$0.12/HCF	\$0.12/HCF
Non-Debt Funded Projects Rate	\$1.35/HCF	\$0.07/HCF	\$1.11/HCF	\$0.07/HCF
Capital Recovery Rate	\$0.52/HCF	\$0.34/HCF	\$0.52/HCF	\$0.34/HCF
Total	\$4.21/HCF	\$1.12/HCF	\$4.44/HCF	\$1.15/HCF

Charge	CY 2024		CY 2025	
	0-100,000 CF	Over 100,000 CF	0-100,000 CF	Over 100,000 CF
Basic User Rate	\$2.96/HCF	\$0.65/HCF	\$3.04/HCF	\$0.67/HCF
Equipment Replacement Rate	\$0.12/HCF	\$0.12/HCF	\$0.12/HCF	\$0.12/HCF
Non-Debt Funded Projects Rate	\$1.11/HCF	\$0.07/HCF	\$1.11/HCF	\$0.07/HCF
Capital Recovery Rate	\$0.52/HCF	\$0.34/HCF	\$0.71/HCF	\$0.35/HCF
Total	\$4.71/HCF	\$1.18/HCF	\$4.98/HCF	\$1.21/HCF

Charge	CY 2026		CY 2027	
	0-100,000 CF	Over 100,000 CF	0-100,000 CF	Over 100,000 CF
Basic User Rate	\$3.25/HCF	\$0.69/HCF	\$3.32/HCF	\$0.72/HCF
Equipment Replacement Rate	\$0.12/HCF	\$0.12/HCF	\$0.12/HCF	\$0.12/HCF
Non-Debt Funded Projects Rate	\$1.17/HCF	\$0.07/HCF	\$1.37/HCF	\$0.07/HCF
Capital Recovery Rate	\$0.71/HCF	\$0.36/HCF	\$0.71/HCF	\$0.36/HCF
Total	\$5.25/HCF	\$1.24/HCF	\$5.52/HCF	\$1.27/HCF



# Industrial Rate Impact



	Industrial <sup>(1)</sup>		Industrial <sup>(2)</sup>	
	Monthly Bill	% Increase	Monthly Bill	% Increase
CY 2022	\$30,899.99		\$51,351.61	
CY 2023	\$31,845.12	3.1%	\$52,839.68	2.9%
CY 2024	\$32,830.08	3.1%	\$54,367.58	2.9%
CY 2025	\$33,815.04	3.0%	\$55,895.48	2.8%
CY 2026	\$34,800.02	2.9%	\$57,423.40	2.7%
CY 2027	\$35,785.00	2.8%	\$58,951.32	2.7%





# Residential Rate Impact

	Residential User <sup>(1)</sup>		General Service <sup>(2)</sup>	
	Monthly Bill	% Increase	Monthly Bill	% Increase
CY 2022	\$30.40		\$148.28	
CY 2023	\$32.02	5.3%	\$156.34	5.4%
CY 2024	\$33.67	5.2%	\$165.55	5.9%
CY 2025	\$35.32	4.9%	\$174.76	5.6%
CY 2026	\$36.99	4.7%	\$183.99	5.3%
CY 2027	\$38.66	4.5%	\$193.22	5.0%

# Surrounding Communities

