

# **WATER/ WASTEWATER PUBLIC FORUM**

April 11, 2023  
High School Auditorium

# AGENDA

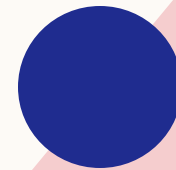
Introduction

Background

Data

Timeline

Questions



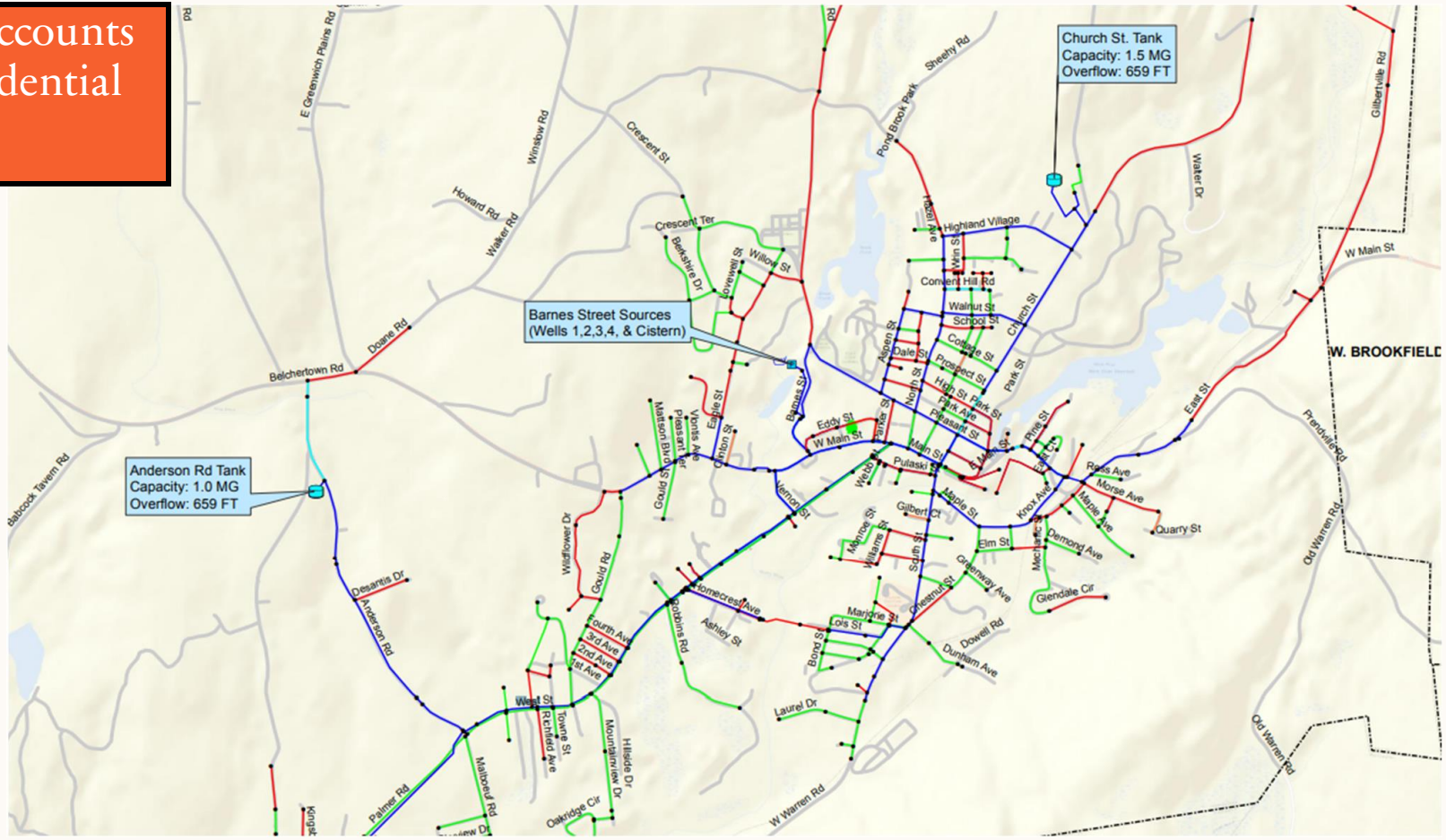
# **INTRODUCTION**

# BACKGROUND

- Last upgrade to the Wastewater Treatment Plant was in 1980's.
- Newly Issued EPA Discharge Permit requiring Nitrogen. Removal is likely double this estimate to \$20million.
- New permit went into effect April 1, 2023.
- All mechanical equipment is in need of replacement.
- All 3 influent pumps are obsolete if one is down for repair there is no spare.
- Threat of sewer overflow into homes and rivers is substantial.
- The published engineering study by Tighe & Bond states that infrastructure improvements will have a significant impact on the rates the Town will be required to charge to meet new debt obligations to fund the improvements and subsequent operational expenses.
- New Water Filtration Plant is needed to address "Dirty Water" issues
- Rehabilitation of the Water Tanks is required to maintain adequate fire protection.

# WATER SYSTEM

2,300 customer accounts  
(~ 70% of all residential  
parcels)

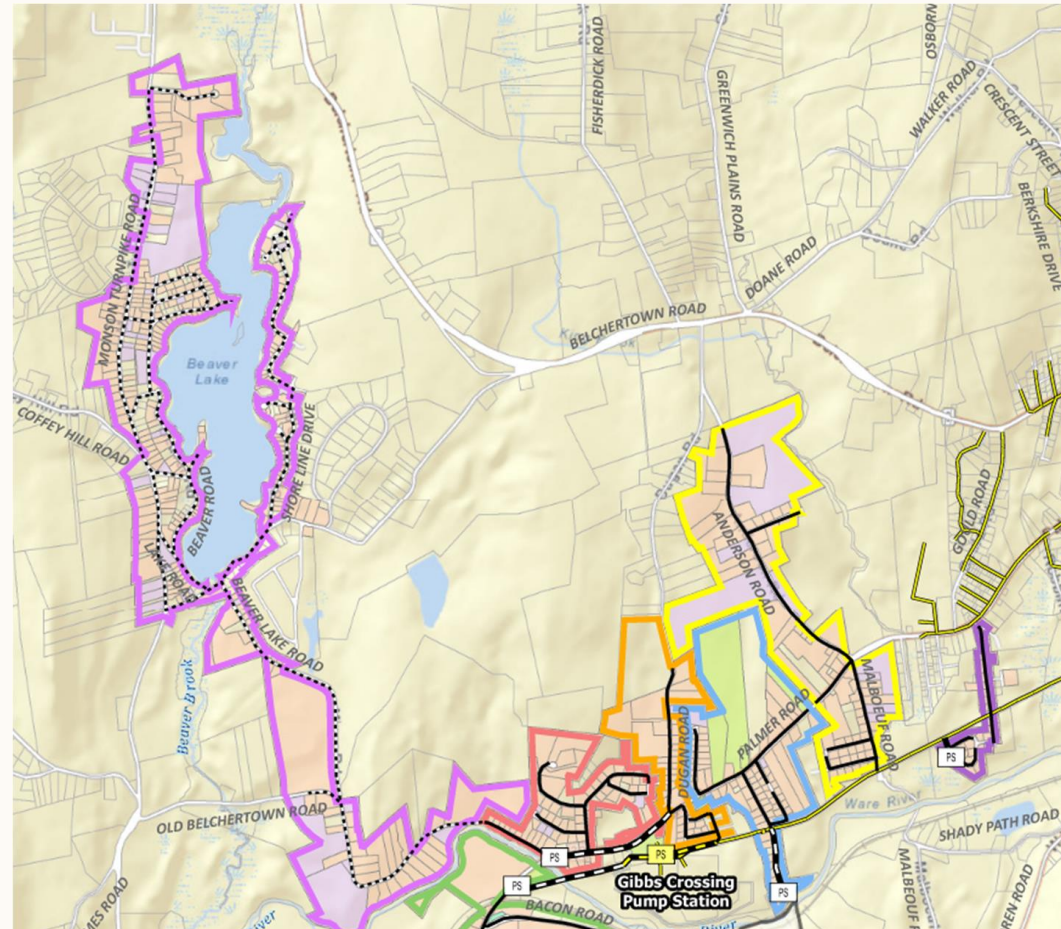


# CAPITAL IMPROVEMENTS

Capital Improvement Planner								
ID	System	Scope	Description	Funding source	Interest Rate	Estimated Cost	Start Year	Term
2	Source	Other	Dismal Swamp Well Generator + Well #4	Rate	--	\$500,000	2023	1
3	Distribution	Other	Hydrant Replacement (5 per year)	Rate	--	\$175,000	2023	1
4	Storage	Eng.+Const.	Anderson Road Water Tank Rehabilitation	Debt	4.5%	\$1,400,000	2024	20
6	Distribution	Eng.+Const.	Water Main Replacement #1-12" DI (~3,800LF)	Debt	4.5%	\$1,520,000	2024	20
5	Storage	Eng.+Const.	Church St WST Water Tank Rehabilitation	Debt	4.5%	\$1,400,000	2025	20
1	Treatment	Eng.+Const.	Water Filtration Plant	USDA	1.750%	\$13,276,000	2026	40
7	Distribution	Eng.+Const.	Water Main Replacement #2-8" DI (~5,860LF)	Debt	4.5%	\$2,000,000	2026	20
8	Distribution	Eng.+Const.	Water Main Replacement #3-8" DI (~5,860LF)	Debt	4.5%	\$2,100,000	2026	20
<b>Total</b>						<b>\$22,371,000</b>		

# WASTEWATER SYSTEM

1,550 customer accounts  
(~ 50% of all residential  
parcels)



# CAPITAL IMPROVEMENTS

Capital Improvement Planner										
ID	System	Scope	Description	Funding source	Interest Rate	Estimated Cost	Cost Year	Escalated Cost	Start Year	Term
1	Collection	Eng.+Const.	Influent Screen Upgrade	ARPA		\$ 1,400,000	2023	\$ 1,400,000	2023	1
2	Collection	Engineering	WWTF Assessment	Rate	--	\$ 50,000	2023	\$ 50,000	2023	1
2	Treatment	Engineering	WWTF Improvements	Debt	3.0%	\$ 1,000,000	2022	\$ 1,070,000	2024	5
3	Treatment	Construction	WWTF Improvements	SRF	2.4%	\$ 10,000,000	2021	\$ 11,600,000	2026	30
4	Collection	Eng.+Const.	Sewer Rehabilitation	Debt	3.0%	\$ 1,000,000	2021	\$ 1,200,000	2027	20
5	Collection	Eng.+Const.	Ongoing SSES and Rehabilitaiton	Rate	--	\$ 50,000	2021	\$ 50,000	2024	10
6	Collection	Eng.+Const.	Project No. 1 - Longview Street	Debt	3.0%	\$ -	2021	\$ -	2026	20
7	Collection	Eng.+Const.	Project No. 2 - Meadow Hill	Debt	3.0%	\$ -	2021	\$ -	2027	20
8	Collection	Eng.+Const.	Project No. 3 - Malboeuf Road	Debt	3.0%	\$ -	2021	\$ -	2028	20
9	Collection	Eng.+Const.	Project No. 4 - Mountain View	Debt	3.0%	\$ -	2021	\$ -	2029	20
10	Collection	Eng.+Const.	Project No. 5 - Palmer Road	Debt	3.0%	\$ -	2021	\$ -	2030	20
11	Collection	Eng.+Const.	Project No. 6 - Old Belchertown	Debt	3.0%	\$ -	2021	\$ -	2032	20
12	Collection	Eng.+Const.	Project No. 7 - Beaver Lake	Debt	3.0%	\$ -	2021	\$ -	2033	20
Total						\$13,500,000		\$ 15,370,000		



# TIMELINE





**THANK YOU**

Questions and Comments