

# TOWN OF LYME PROPOSED WATER DISTRICT PROJECT

Town of Lyme – Water District No. 6

BARTON & LOGUIDICE, 120 WASHINGTON ST., WATERTOWN, NY 13601

March 12, 2025

# Presentation Outline

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- I. Introductions
- II. Possible Expansion Areas
- III. Interest Survey Results
- IV. Proposed Projects
- V. Operations and Maintenance
- VI. Funding Alternatives
- VII. Schedule



# Introductions

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**Matthew Cooper, P.E.**  
**Vice President**  
*Officer in Charge*  
*Engineer of Record*



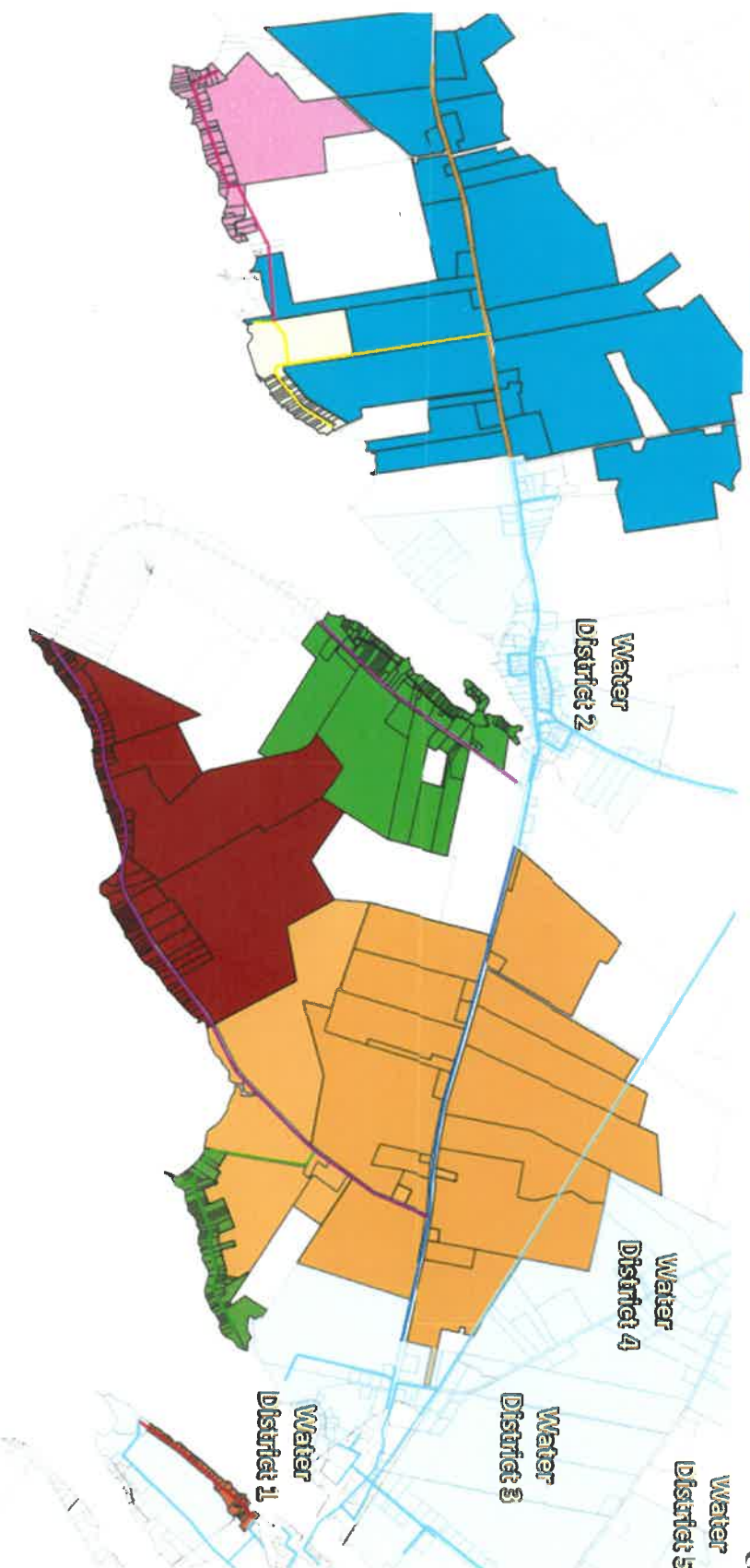
**David Powers, P.E.**  
**Senior Project Engineer**  
Project Manager  
*Design Lead*



**Kyle Nichols, I.E.**  
**Engineer I**  
Design Engineer

# Possible Expansion Areas

# Possible Expansion Areas



- Bourcy Road
- Montonna Shores
- NYS Route 12E
- Three Mile Point Road
- Duck Harbor Road
- Park Drive

# Interest Survey and Results

# Interest Survey



Interest survey was issued on November 18, 2024

## Survey area generally included:

- Three Mile Point Road
- Duck Harbor Road
- Bourcy Rd
- Montonna Shores
- Park Drive
- Unserved Sections of 12E in the Town

## Survey inquired on:

- Interest in public water,
- Current water system issues (if any)
- Interest in water between \$150-\$190 per month

**Town of Lyme Public Water Interest Survey**

**Basic Information:**

1) Name: \_\_\_\_\_

2) Property Address: \_\_\_\_\_  
City, State and Zip Code: \_\_\_\_\_

3) Tax Parcel ID: \_\_\_\_\_

4) Mailing Address (if different): \_\_\_\_\_

5) E-mail Address: \_\_\_\_\_

6) Phone Number: \_\_\_\_\_

**Interest Survey Questions:**

If/When do you get your water?  
 Drilled Well     Shallow Well     Spring     Shore Well     Other \_\_\_\_\_

If/When was the last time your water was tasted? \_\_\_\_\_  
• Please attach water test results or summarize if applicable \_\_\_\_\_

Do you occasionally run out of water?  
 Yes     No

Do you haul water to your property?  
 Yes     No    If yes, approximately how much does that cost annually? \_\_\_\_\_

Do you share a well with other properties?  
 Yes     No    If yes, how many other properties? \_\_\_\_\_

Has your well ever been contaminated?  
 Yes     No     Don't know

If yes, what type of contamination?  
How was contamination identified? \_\_\_\_\_

Do you currently use any methods to treat your water?  
 Yes     No    If yes, What types and installation costs?  
Annual cost of treatment methods mentioned above, if applicable? \_\_\_\_\_

How does your water taste?  
 Good     Sulphur     Iron/metal     I do not drink it.

Are you concerned about fire protection?  
 Yes     No

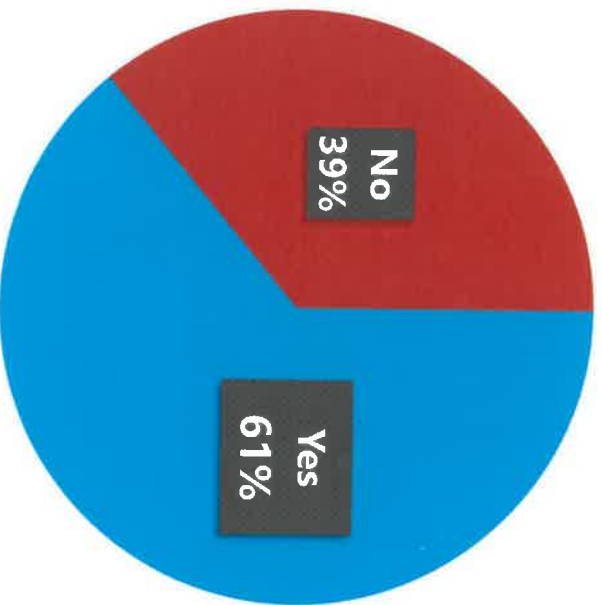
Are you in favor of public water?  
 Yes     No

Would you be in favor of public water for \$150-\$190 per month?  
 Yes     No

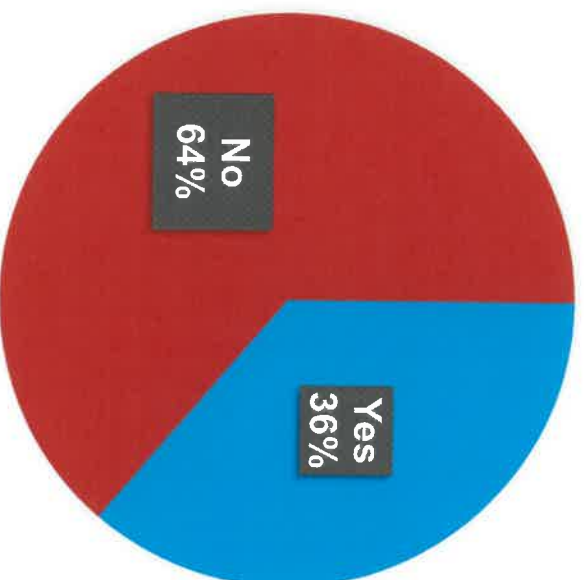
# Interest Survey Results

- 40% Response Rate (218/549)

## Are You in Favor of Public Water?



## Are You In Favor of Public Water for \$150-\$190/Month?





# Are You In Favor of Public Water



# Proposed Projects

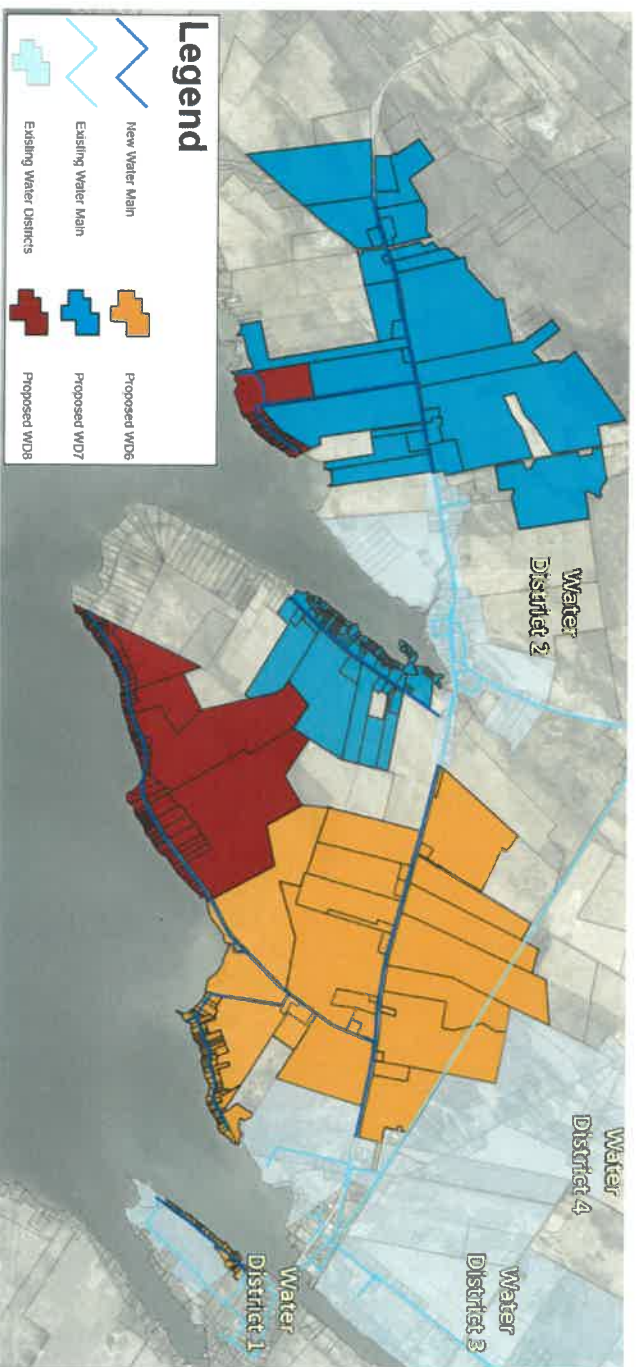
# Proposed Water Projects

## Three Water Districts (Phases)

- WD6 (Orange) – Phase 1
- WD7 (Blue) – Phase 2
- WD8 (Red) – Phase 3

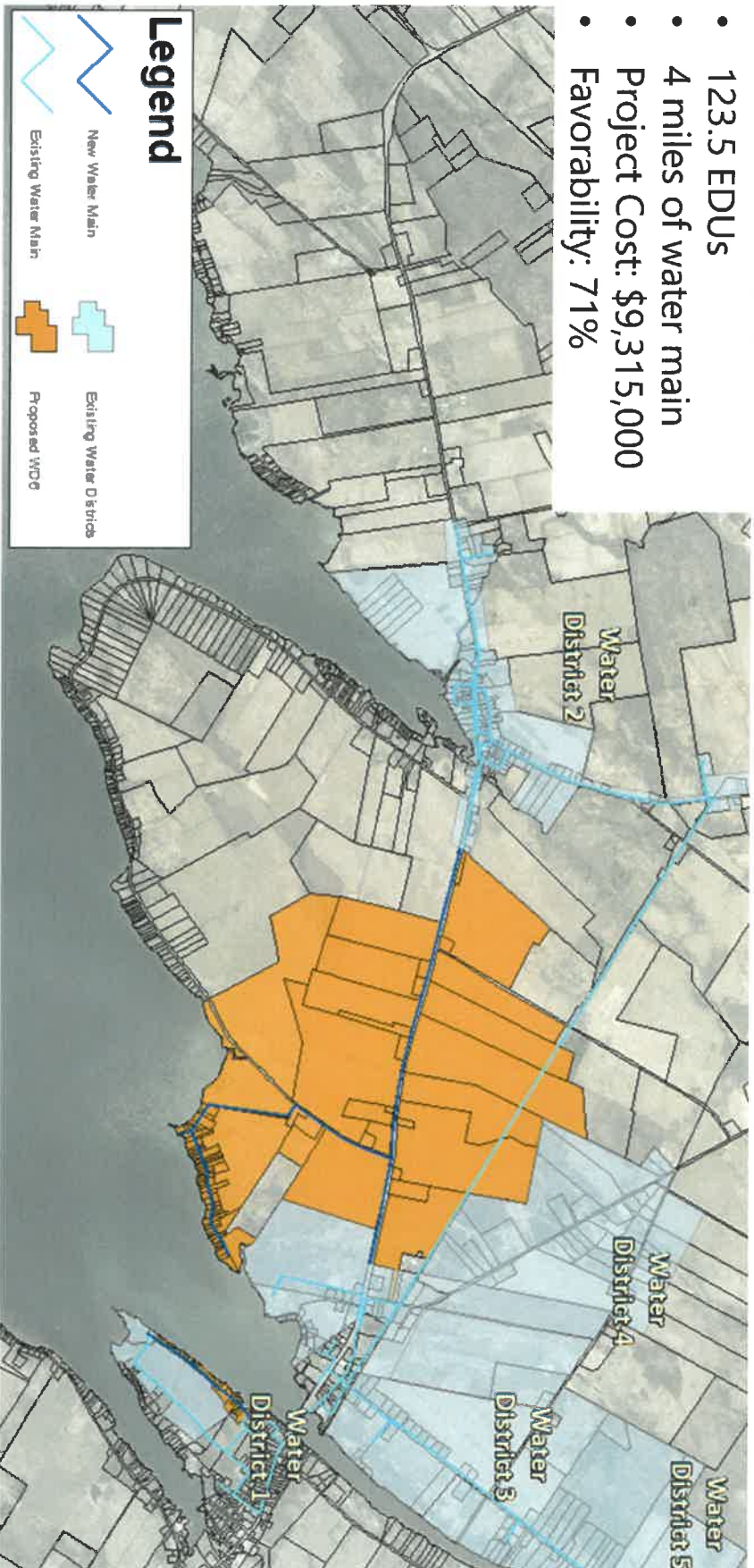
## Benefits of Project Phasing

- Maximize Grant Opportunities
- Provide Public Water to More Users
- Lower User Costs

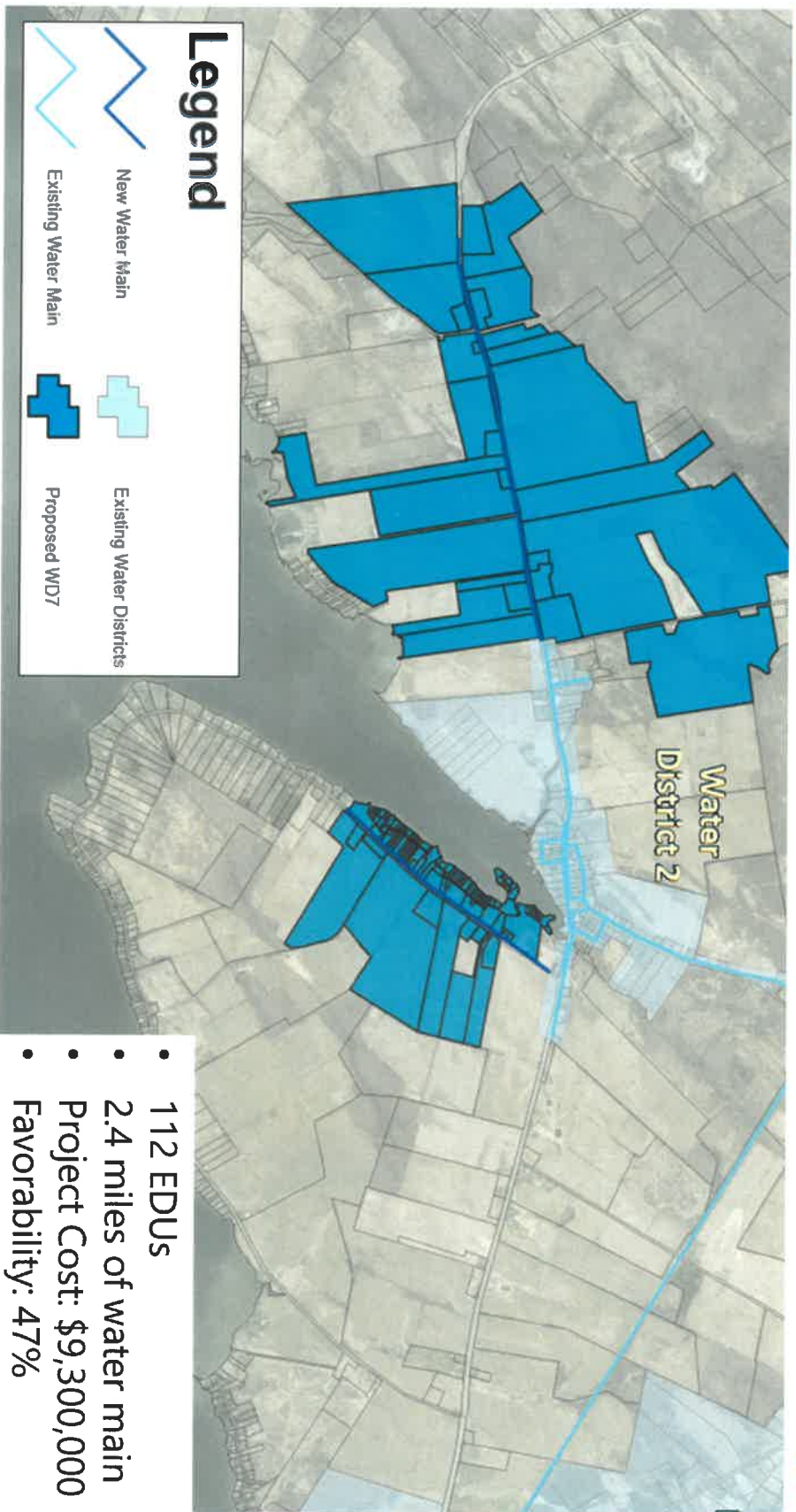


# Water District No. 6

- 123.5 EDUs
- 4 miles of water main
- Project Cost: \$9,315,000
- Favorability: 71%

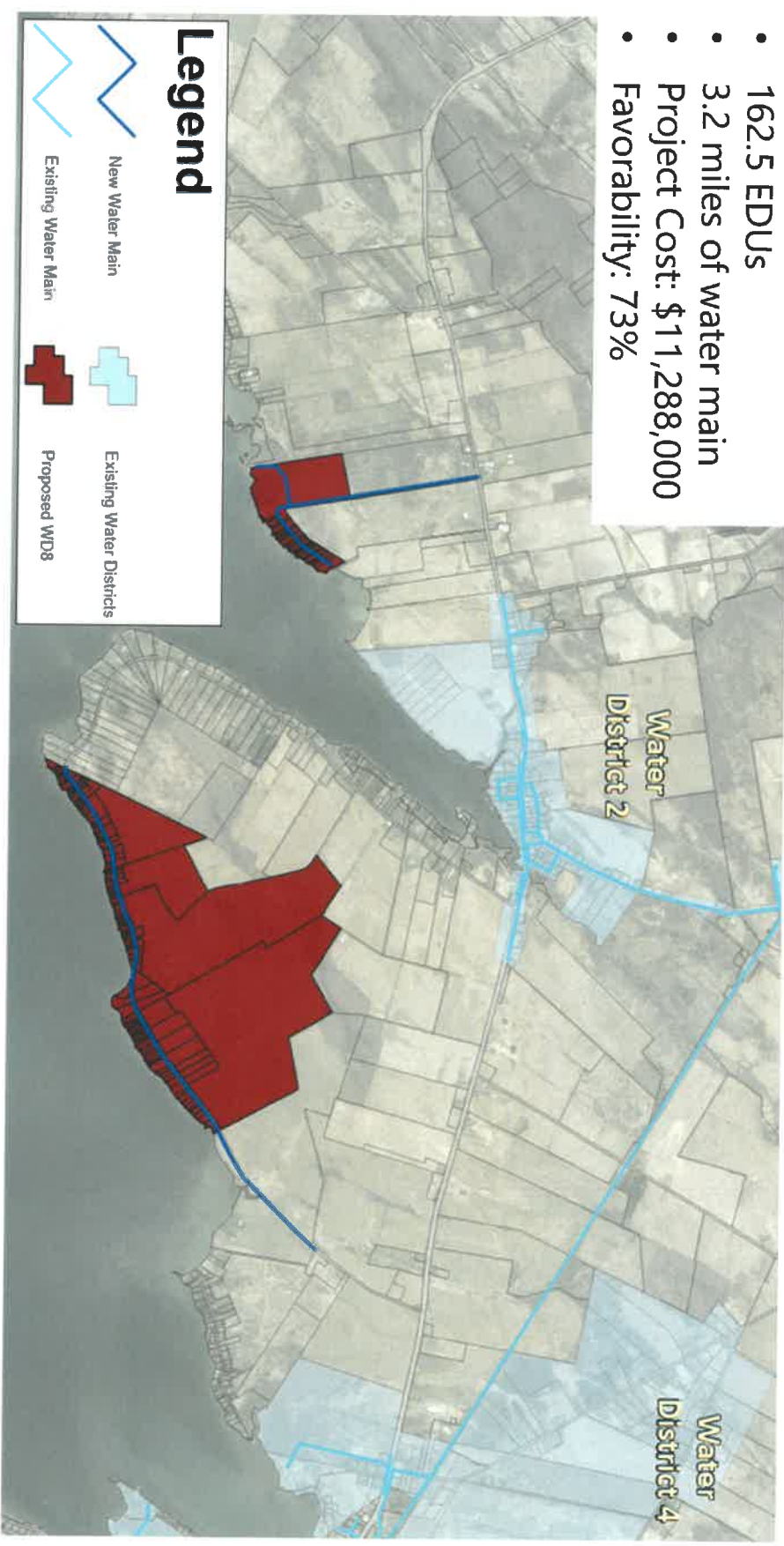


# Water District No. 7



# Water District No. 8

- 162.5 EDUs
- 3.2 miles of water main
- Project Cost: \$11,288,000
- Favorability: 73%



# Operations and Maintenance

# Operation and Maintenance



## DANC Regional Waterline Fixed Fees:

- Fixed fee reviewed annually based on Town water allocation
- 2024 Allocation Fee: \$48,904
- Fee will be split by existing users + any new users reducing annual fee for all

## DANC Water Usage Charge:

- Usage cost on a per 1,000-gal basis
- 2024 Usage Fee: \$2.50/ k-gal
- Users metered at home and charged based on usage

## Estimated O&M:

\*Assumes average 150  
gpd usage for typical home

Operation and Maintenance Items		Cost
DANC Allocation Charge		\$141
DANC Usage Charge*		\$137
<b>Total Annual O&amp;M per EDU</b>		<b>\$278</b>



# Funding Alternatives

# Potential Funding Sources

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## [NYSEFC WIIA Grant:](#)

- Grant up to \$5M or 60% of total Project Cost



Environmental  
Facilities Corporation

## [USDA RD Water Grant:](#)

- Grant generally up to \$3M (*amount based on similar system cost*)

## [USDA RD Loan Financing:](#)

- 38-yr loan offered at 2.5%-4.125% interest based on project need and MHI criteria
  - 2.500% interest (RD poverty rate)
  - 3.250% interest (RD Intermediate rate)
  - 4.125% interest (RD Market rate)



RURAL  
DEVELOPMENT

## [NYSEFC Loan Financing:](#)

- 30-year loan offered at 0%-4.7% interest based on project score and MHI criteria
  - 0.0% interest (EFC hardship rate)
  - 2.4% interest (EFC subsidized rate)
  - 4.7% interest (EFC market rate)

# Project Funding (USDA RD Loan)

	WD6	WD7	WD8
Estimated Project Cost	\$9,315,000	\$9,300,000	\$11,288,000
WIIA Grant	\$5,000,000	\$5,000,000	\$5,000,000
RD Loan Amount*	\$4,315,000	\$4,300,000	\$6,288,000
Service Area EDUs	123.5	112	162.5
Annual Debt Service per EDU	\$1,610	\$1,770	\$1,790
Annual O&M per EDU	\$280	\$280	\$280
<b>Total Monthly User Cost per EDU</b>	<b>\$158</b>	<b>\$171</b>	<b>\$173</b>
<i>Favorability</i>	71%	47%	73%

## Loan Financing Assumptions:

\*USDA RD Intermediate Financing: 3.25% interest, 38-yr term

# Project Funding (EFC Loan)



	WD6	WD7	WD8
Estimated Project Cost	\$9,315,000	\$9,300,000	\$11,288,000
WIIA Grant	\$5,000,000	\$5,000,000	\$5,000,000
RD Loan Amount*	\$4,315,000	\$4,300,000	\$6,288,000
Service Area EDUs	123.5	112	162.5
Annual Debt Service per EDU	\$1,160	\$1,280	\$1,290
Annual O&M per EDU	\$280	\$280	\$280
<b>Total Monthly User Cost per EDU</b>	<b>\$120</b>	<b>\$130</b>	<b>\$131</b>
<i>Favorability</i>	71%	47%	73%

## Loan Financing Assumptions:

\*NYSEFC Hardship Financing: 0.0% interest, 30-yr term

# Qualifying for EFC Hardship Financing

## Hardship Qualifying Criteria:

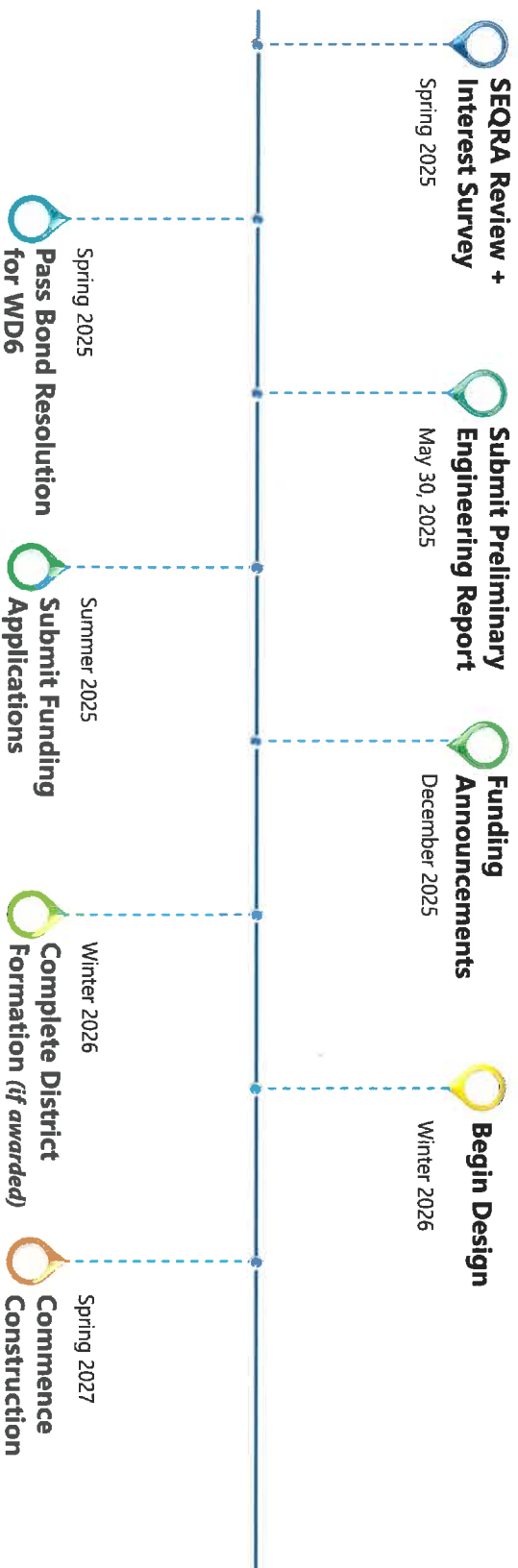
- **Municipal Criteria**
  - Town MHI must be >80% of 2023 New York Statewide MHI
  - Income Survey can be complete to establish District MHI
- **Project Criteria**
  - Project must be listed on EFC Intended Use plan and have a project score high enough to land above MHI line
  - 2025 IUP Hardship Score Threshold: 85+
  - **Expected Town of Lyme Project Score: 60**
- **In order to qualify for Hardship, the Town would need to complete an income survey!**
- Income Survey Quote from G&G: \$4,490

Criteria	2023 MHI Data
NY Statewide MHI	\$84,578
80% of Statewide	\$67,662
Town of Lyme MHI	\$77,935

DWSRF Hardship Year	Min. Score Required
2023	95+
2024	100+
2025	85+

# Schedule

# Schedule

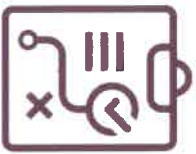


NOTE: The timeline above includes best case scenario with the projected funded at the end of 2025. If sufficient funding is not awarded the District Formation, Design, and Construction steps will move back one entire year, each year until the project is fully funded.

Thank you!

Questions?





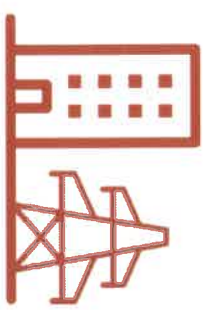
ASSET  
MANAGEMENT



ENVIRONMENTAL



SOLID WASTE



FACILITIES



LAND SURVEYING



TRANSPORTATION



WATER RESOURCES



SUSTAINABLE PLANNING  
& DESIGN