



Town of

*Orleans*  
Massachusetts

# Lakes and Ponds Area Sewer Project (Phase 3)

Residents Meeting

February 4, 2025



**AECOM**

# Topics

- ❖ Purpose and Need for Project
- ❖ Team Introduction
- ❖ Service Area
- ❖ Project Timeline
- ❖ Resident Resources



# Why This Project Is Important – Purpose and Need

## ❖ For the Environment

- Nutrient loads from septic systems are damaging water quality
- Lakes, ponds and estuaries are seeing ecosystem changes

## ❖ For the Town

- Continued use and benefit of clean waters
- Tourism, Swimming, Fishing, Boating, Shellfishing
- Cost efficiency, esp. for subsidies and funding opportunities
- Compliance with Massachusetts Department of Environmental Protection (MassDEP) requirements

## ❖ For the Residents & Businesses

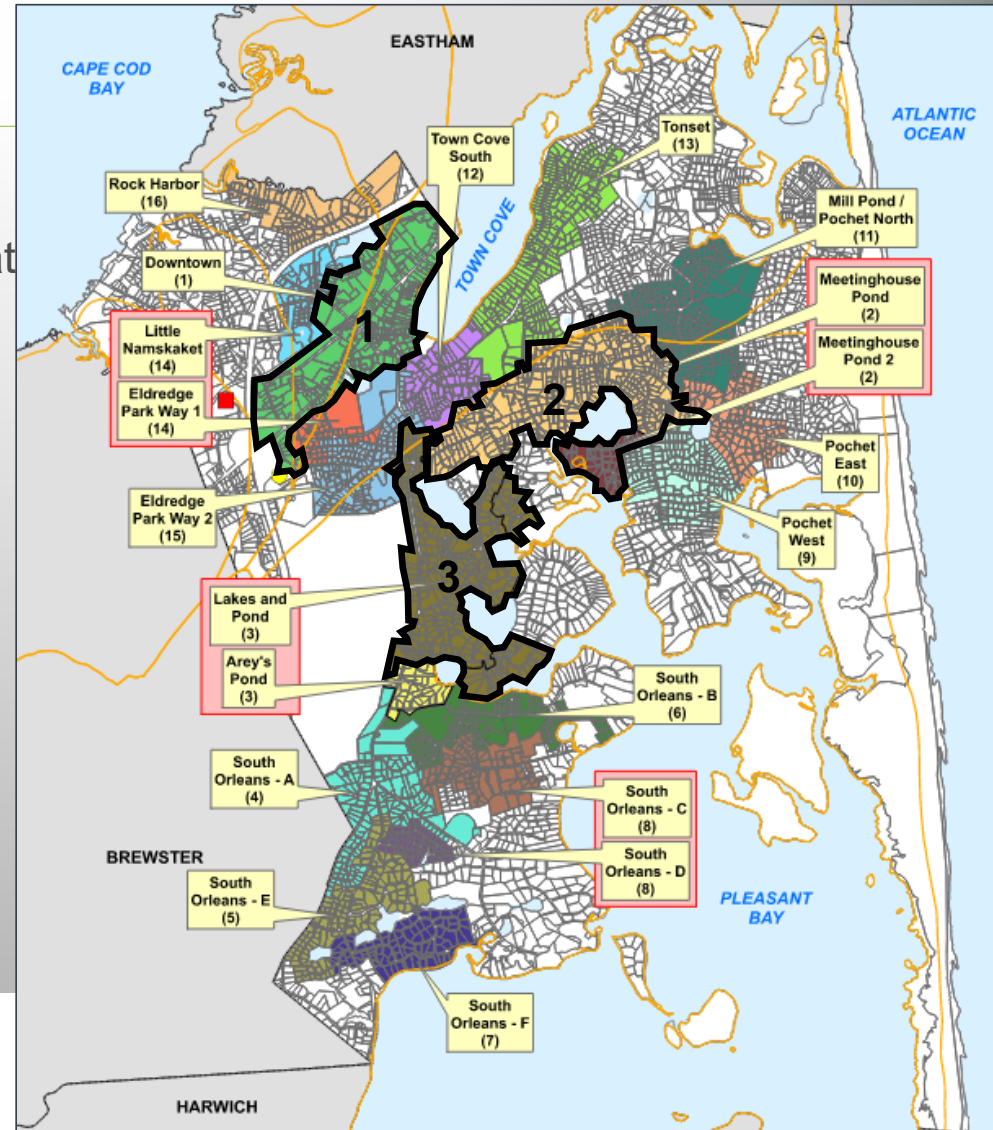
- See Environment and Town benefits above
- Avoided Innovative/Alternative (IA) septic system requirements (Title 5 revisions)



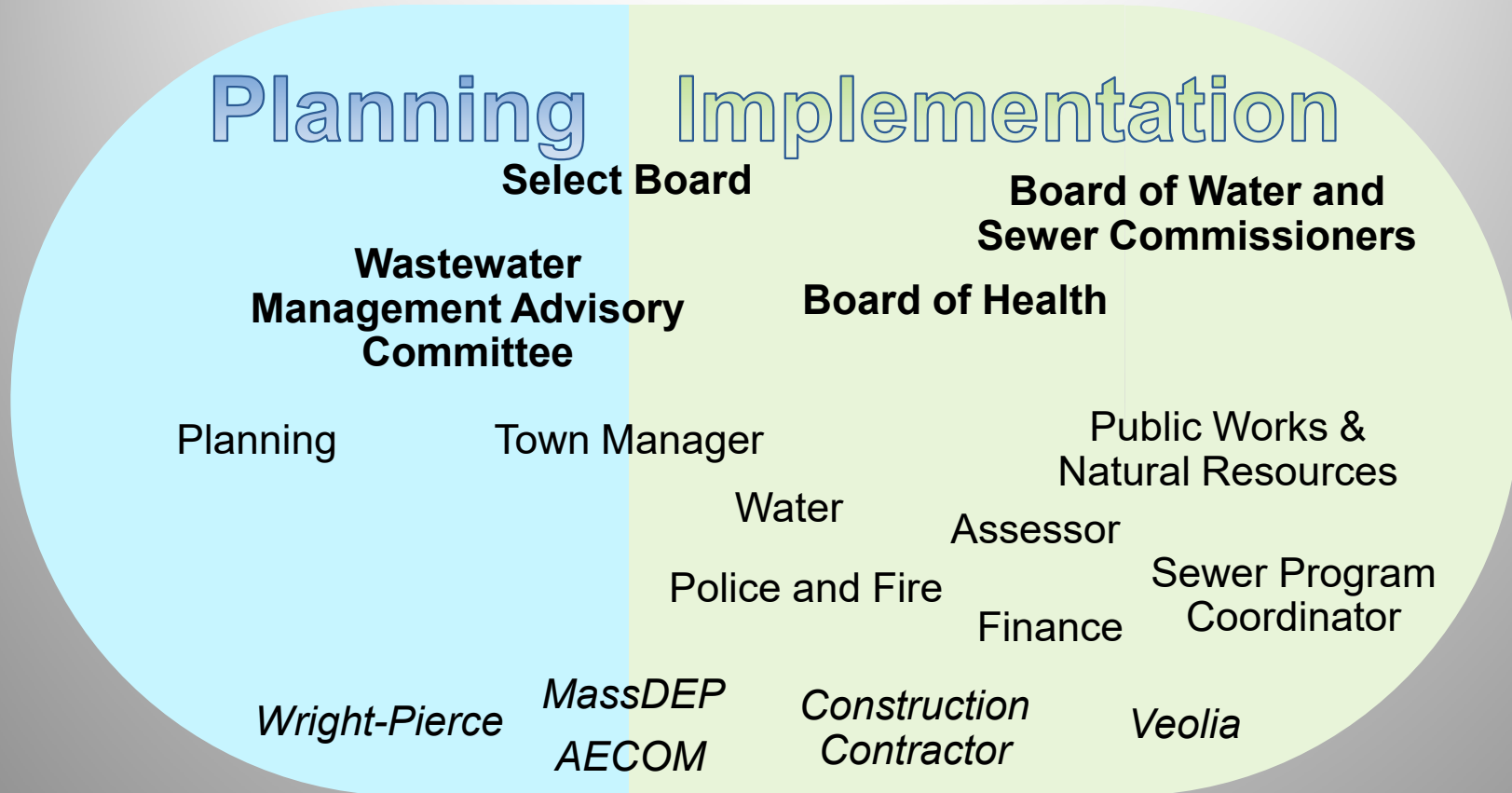
# Why This Project Is Important

- ❖ Septic Pollutant Removal
  - Nitrogen impacts estuaries and saltwater habitat
  - Phosphorus impacts freshwater lakes and ponds – Upgradient parcels identified in Management Plans
- ❖ ~60% of Town Anticipated to be Sewered to Address Water Quality Needs

Phase	% of CWMP Acreage	Nitrogen Removed (kg/yr)	% of Total Nitrogen Removed
1	11%	~4,000	~25%
2	13%	~2,200	~14%
3	12%	~1,400	~8%
4-16	64%	~7,300	~53%

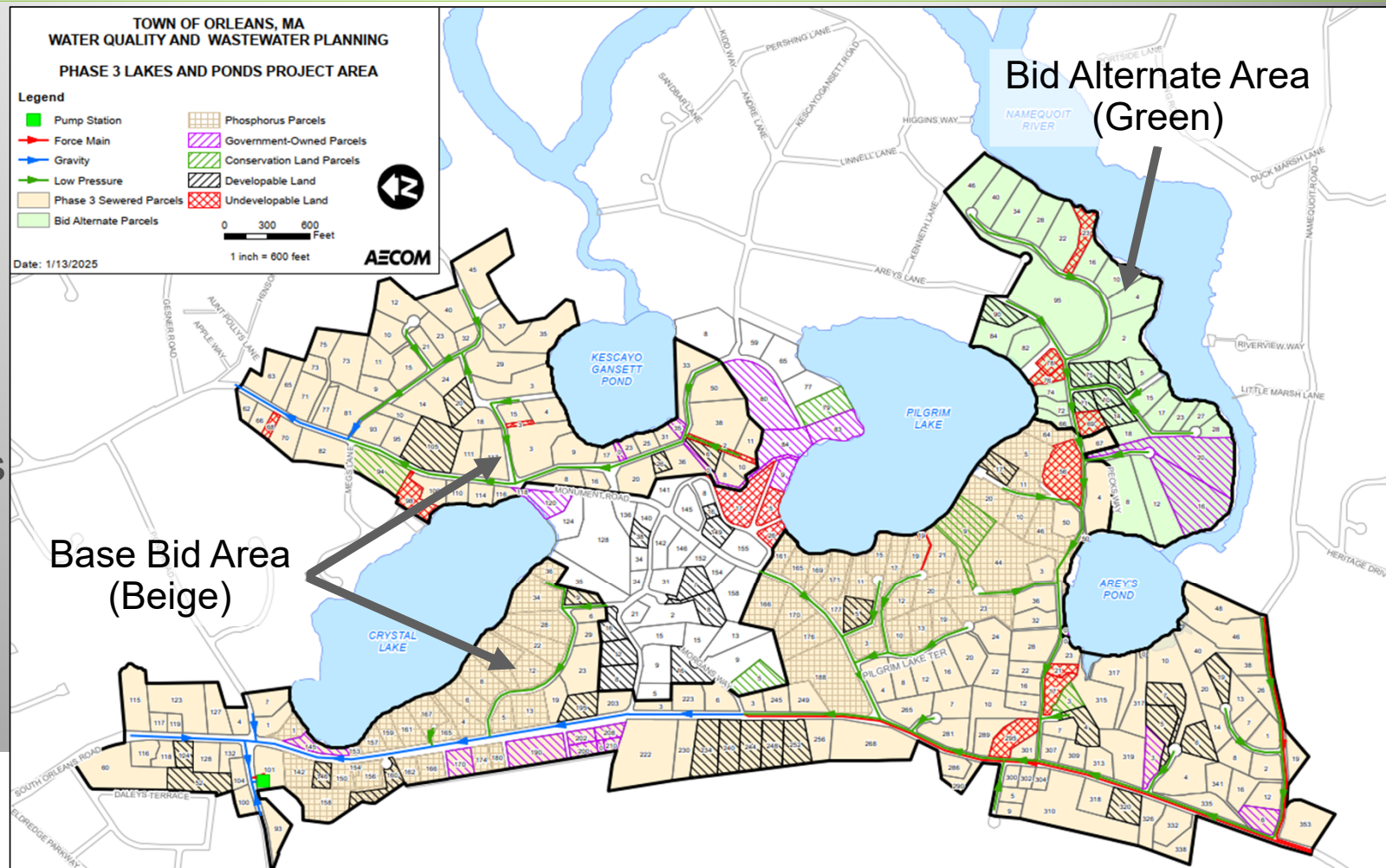


# Who is Working on this Project

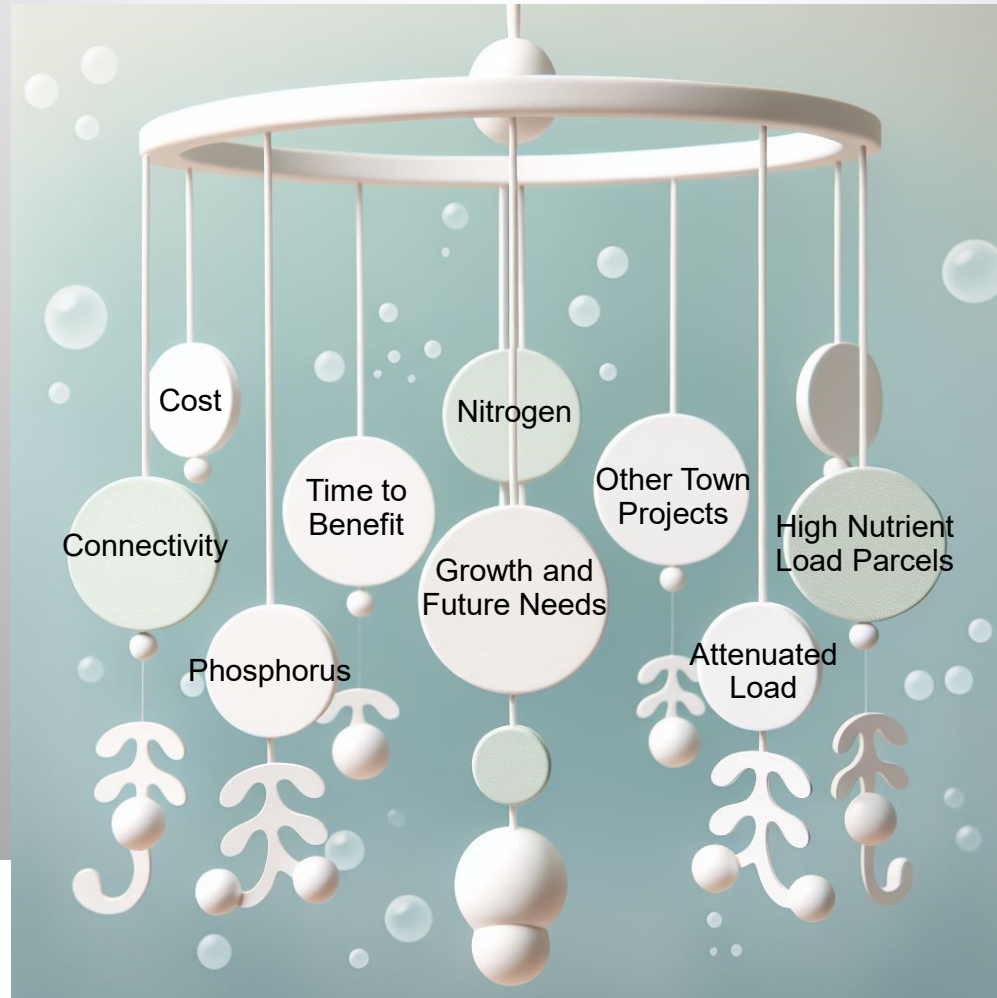


# Phase 3 Lakes and Ponds Sewer Service Area

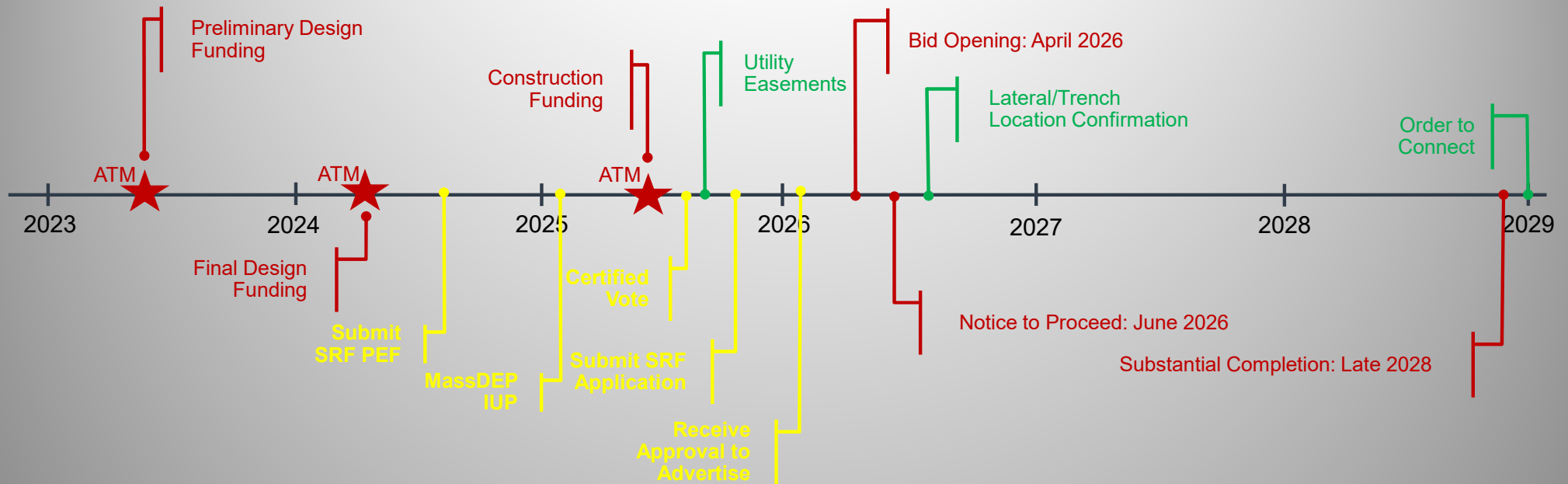
- ❖ Not All Parcels in Study Area Will Be Sewered
- ❖ Priority is Meeting Water Quality Goals
- ❖ Project Includes Water Service Upgrades



# Balancing Needs and Priorities to Make a Service Area



# Phase 3 Timeline



- ❖ 3-year Water Use Period Starts Approximately Mid-2025
  - Used for betterment calculations and capacity allocations



# Resources for Residents and Businesses

- ❖ Sewer Coordinator – John Nelson – 508-240-3700 x2319; [jnelson@town.orleans.ma.us](mailto:jnelson@town.orleans.ma.us)
- ❖ Town Ombudsman – Reggie Donoghue – 508-833-6967; [rdonoghue@town.orleans.ma.us](mailto:rdonoghue@town.orleans.ma.us)
- ❖ Department of Public Works and Natural Resources
- ❖ Health Department
- ❖ Town Website



- [Wastewater Main Page](#)
- [Wastewater Citizens Communications](#)
- [FAQs](#)
  - [General](#)
  - [Construction](#)
- [Sewer Service Connections](#)



# Future Communications

- ❖ Website Postings – Town Hall, WW Page, and Town Talk
- ❖ Pre-construction Meeting
- ❖ Lateral/Trench Location Confirmation Letter
- ❖ Neighborhood/Community Meetings
- ❖ Town Email Blasts
- ❖ Police Facebook
- ❖ Construction Notifications (Upcoming Sewer Work, Access Impacts)
- ❖ Detours – Esp. Route 28
  - Coordination with MassDOT and RTA
  - Work Timing Restrictions Anticipated



# Thank You

