



MWRA WATER SUPPLY UPDATE

CO-APPLICANTS:
TOWN OF WEYMOUTH &
SOUTHFIELD REDEVELOPMENT AUTHORITY



PROJECT REPRESENTATIVES

- Town of Weymouth
 - Mayor's Office
 - Department of Public Works
 - Planning Department
- Southfield Redevelopment Authority
- Brookfield Properties & New England Development (Master Developer)
- Environmental Partners



HOW WE GOT HERE

- Water Supply Challenges
 - Fixed/Limited amount of available water (ground and surface)
 - Inherent Conflict Between Drinking Water Supply & Sensitive Ecological Resource
 - Aging Groundwater Supply
 - Regulatory Hurdles
 - Climate Change Impacts
 - New & Future Treatment Challenges
- Weymouth Economic Development Potential including South Weymouth Naval Air Station
- Timing is Right for Regional Supply
 - Economic Development Potential of South Weymouth Naval Air Station
 - New SWNAS Master Developer
 - MWRA entrance fee waiver (\$31.9 million savings at 7.5 MGD)
 - Federal and State focus on Infrastructure Funding



CURRENT WATER DEMAND TRENDS

- Water Management Act (WMA) authorized withdrawal is 5.00 MGD.
- Recent withdrawals ranged from 82% - 92% of annual volume allowed by WMA.

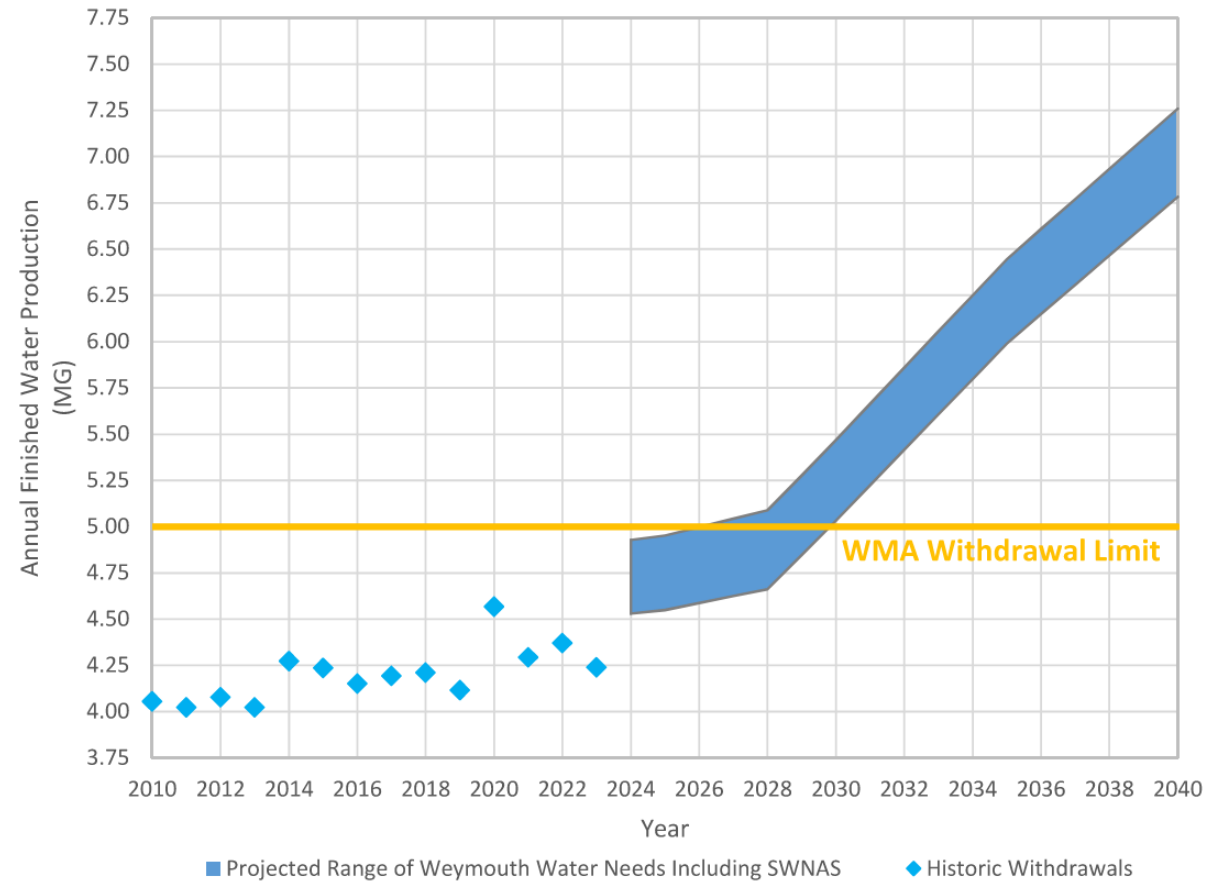
Year	Total Annual Production (MGY)	Average-Day Demand (MGD)
2019	1,502	4.12
2020	1,671	4.57*
2021	1,567	4.29
2022	1,595	4.37
2023	1,547	4.24
5-Year Average	1,576	4.32

*Pandemic Related



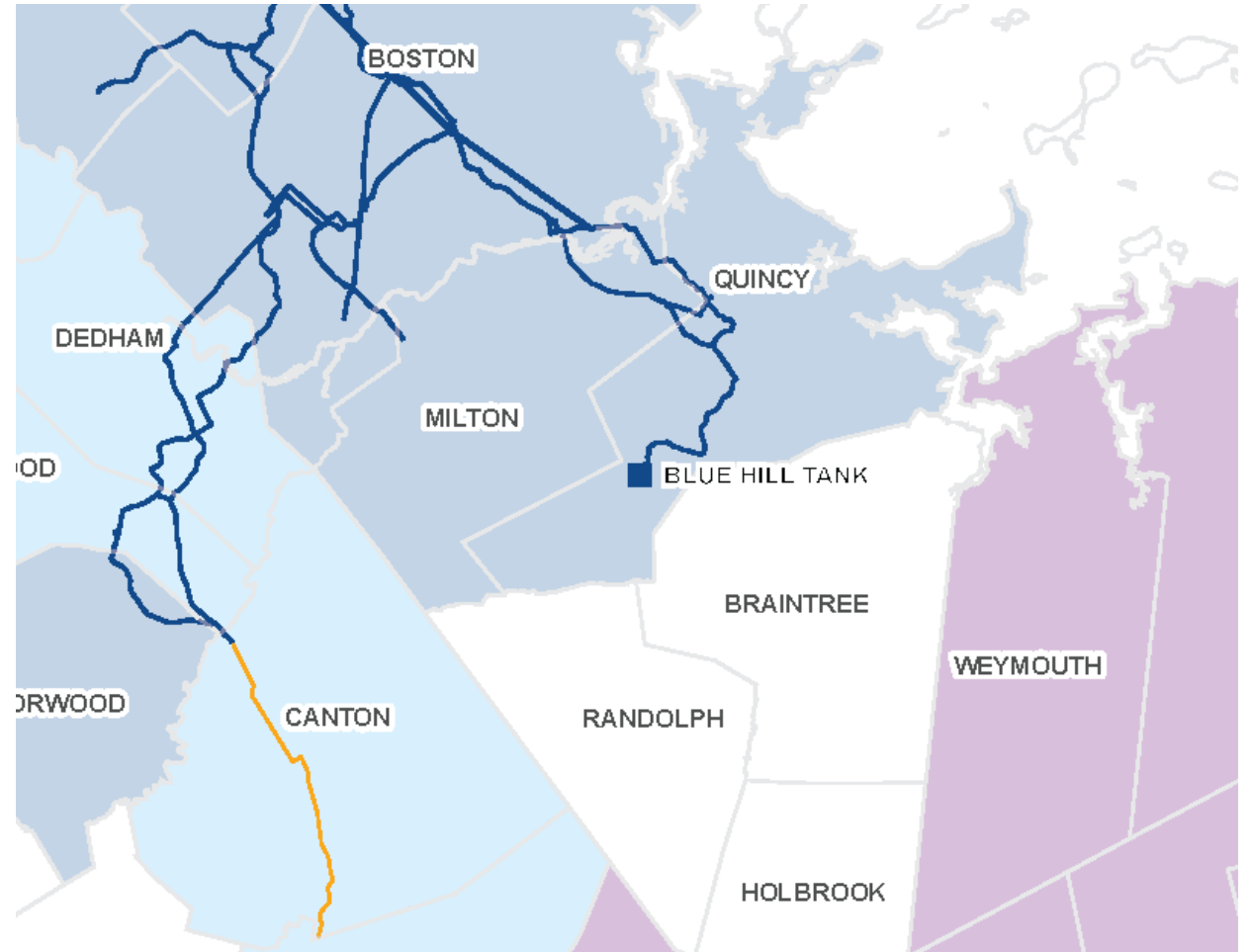
DEMAND PROJECTIONS

- If full potential is realized:
 - Projected demands could exceed current WMA withdrawal limit within 3 to 6 years.
 - Projected demands total a 2.3 MGD increase though 2040.

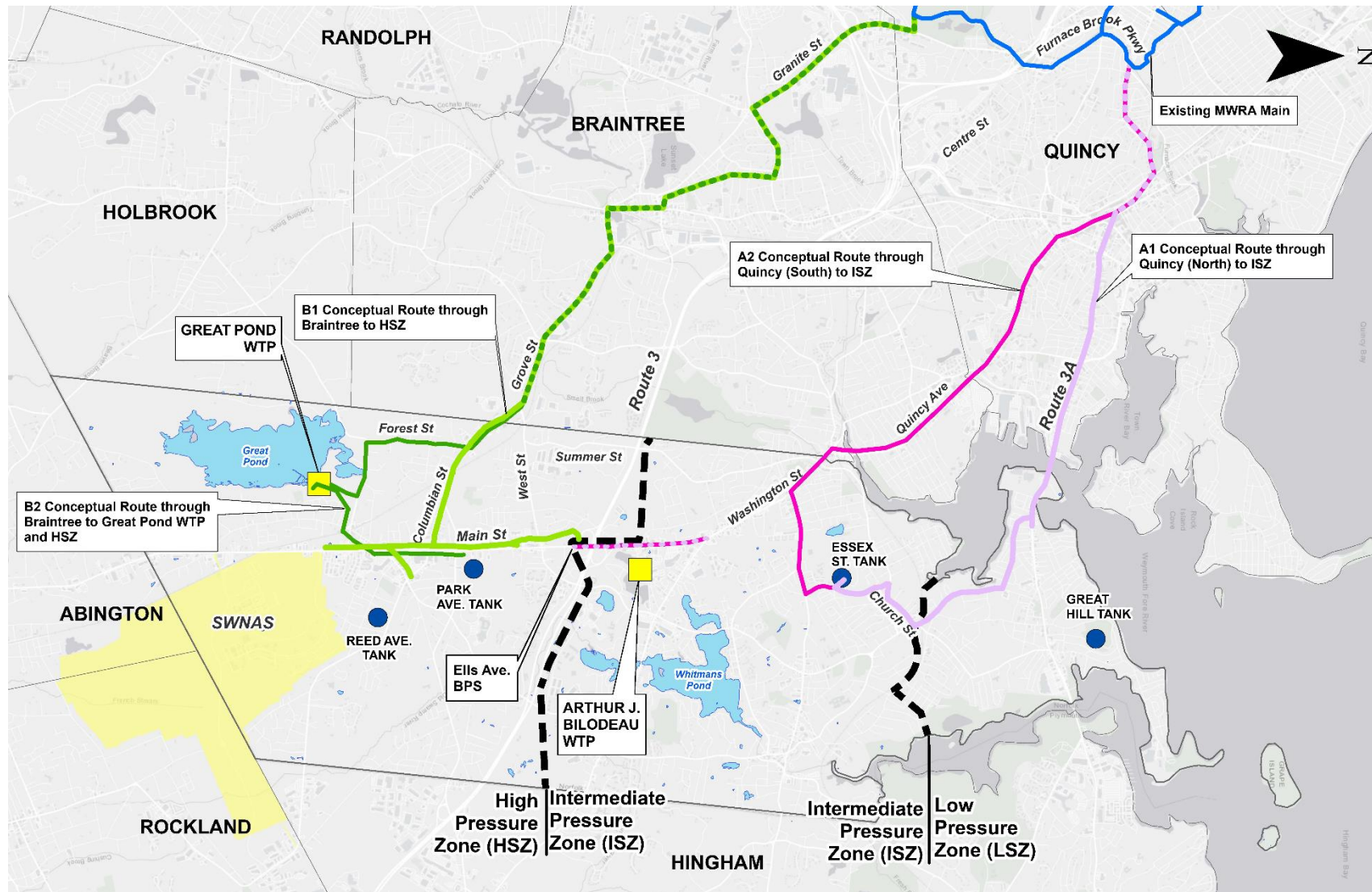


MWRA SUPPLY

- Total of 100 MGD in excess supply capacity, with 51 MGD available for new customers.
- 7.5 MGD (Maximum Day) available to serve Weymouth right now.
 - MWRA improvements will increase available supply to 15.6 MGD.
- MWRA Distribution System is located in Quincy, approximately 5 miles from Weymouth.



INFRASTRUCTURE IMPROVEMENTS



MWRA ADMISSION PROCESS – WHERE ARE WE?

- MEPA Process begins with April 2024 submittal of Environmental Notification Form
- Major Milestones:

COMPLETED

Water and Wastewater Analysis Report – Jan.-Nov. 2022

MWRA Expansion Study at request of Speaker Mariano – Oct. 2022

PENDING

MWRA Entrance Application and MEPA filing – April 2024 (8 months ahead of original schedule)

EENF Published in Environmental Monitor – April 2024 (8 months ahead of original schedule)

WORKING TOWARD

MEPA Certificate Issued for EENF

SEIR Published in Environmental Monitor

MEPA Certificate Issued for SEIR

Interbasin Transfer Act Approval by WRC

Final Design, Permitting and IMAs Complete

Construction Complete



COSTS

- ADMISSION

- Admission Fee is waived through 2027, resulting in a \$39.1M savings to rate payers (for 7.5 MG).
- This policy applies to the first 20 MG of capacity allotted to new MWRA water customers.

- INFRASTRUCTURE

- Infrastructure upgrade costs are anticipated to range from \$90M - \$120M.
- The Project Team is aggressively pursuing funding opportunities that will save rate payers \$\$.

- TREATMENT COSTS VS. PURCHASING OF WATER

- Town's costs to treat water have seen recent and expect continued steep increases due to PFAS, chemical costs & residuals management.
- The Bilodeau WTP is over 50 years old and will require a major reinvestment to extend its useful life.
- MWRA target annual rate increase is 3.90% or below.



ENVIRONMENTAL BENEFITS

- Benefits to Whitman's Pond & Herring Run.
 - Abandonment of groundwater supplies in Mill River and Old Swamp River subbasins.
 - Immediate decreased reliability on South Cove to replenish Great Pond.
 - MWRA replaces Whitman's pond as an emergency source. Our goal is to never have to pump from South Cove/Whitman's Pond to supplement Weymouth's water use.
 - Conversion to 100% MWRA would reap the ideal environmental benefits.



OTHER BENEFITS

- Reliable, High Quality Drinking Water
- Support for Economic Development and Growth – supporting continued funding for progress across Weymouth, while keeping tax bills the lowest on the South Shore.
- Continued/Additional MWRA Support



NEXT STEPS

- File EENF – April 2024 (8 months ahead of original schedule)
- Continue to advance MWRA application process.
- Confirm pipeline route.
- Targeted community impacts outreach.
- Continue to pursue funding opportunities for construction.



