

## Massachusetts Water Resources Authority

Presentation to

### **MWRA Board of Directors**

# Admission of Lynnfield Center Water District to MWRA via Wakefield Interconnection

August 20, 2025



## **Background Information**

- The Lynnfield Center Water District (LCWD) is seeking admission to the MWRA water system via Wakefield interconnection
- Operating Policy 10 Admission of a New Community to the MWRA Water System applies
- Four existing groundwater supplies
- Water Supply Challenges:
  - Adequate supply during summer and lack of redundancy
  - Elevated levels of manganese, PFAS, and nitrate
  - Entrance Fee waiver requested

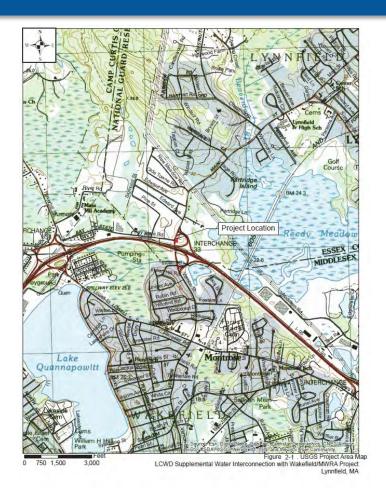


## LCWD Proposed Connection

- Proposed connection to purchase water from MWRA to improve resiliency and redundancy ("5<sup>th</sup> source").
- Water Resources Commission (WRC) approved an interbasin transfer from MWRA to LCWD for a maximum volume of 0.83 million gallons per day (mgd).
- Requested Flows:
  - Average Daily Demand (ADD) is 0.28 mgd (102 million gallons per year [mgy])
  - Maximum Daily Demand (MDD) is 0.36 mgd (~132 mgy) nonemergency
  - Up to 0.83 mgd in emergency

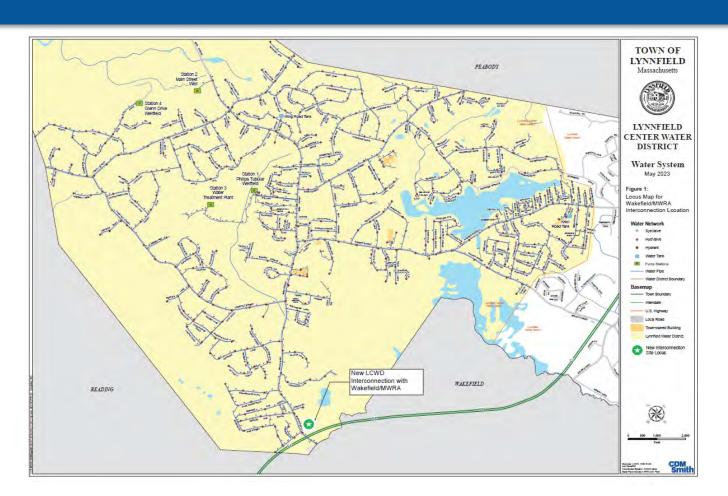


## USGS Project Area Map





## Wakefield/MWRA Interconnection Location





## Request for Entrance Fee Waiver

- Water Quality/Public Health Concerns Criteria
  - PFAS MCL exceedance
  - Manganese SMCL exceedance
  - Elevated levels of iron, nitrate

- Stressed Basin Criteria
  - Large portion of water supply located in Ipswich River Basin



## Regulatory Compliance and Approvals

#### Completed Approvals:

- MEPA Review
- WRC Review (ITA Approval)
- Inter-Municipal Agreement (IMA) between Wakefield and LCWD effective April 10, 2023 through April 9, 2043
- MassDEP requirements
- MWRA Advisory Board
- Legislation to add LCWD to MWRA's Enabling Act
- Approvals needed:
  - MWRA Board of Directors