



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 (“5th 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) – non-emergency
 - Up to **0.83 mgd** in emergency



USGS Project Area Map



Figure 2-1 USGS Project Area Map
LCWD Supplemental Water Interconnection with Wakefield/MWRA Project
Lynnfield, MA



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