Service Area Expansion
Communities must be in compliance with various policies and procedures to be eligible to connect to MWRA’s Water or Wastewater systems

- MWRA Operating and Admission Policies
- Massachusetts Environmental Policy Act (MEPA)
- Interbasin Transfer Act
MWRA Admission Policies

• **OP.04** - Sewer Connections Serving Property Partially Located in a Non-MWRA Community
  – Structure must straddle municipal boundary
  – “Sewer Straddle” policy

• **OP.05** - Emergency Water Supply Withdrawals
  – Communities outside MWRA Water service area
  – Maximum of 6 months
  – Typically also DEP Declaration of Emergency

• **OP.09** - Water Connections Serving Property Partially Located in a Non-MWRA community
  – Structure outside water service on parcel subject to an integrated plan partly inside MWRA water service area
  – “Water Straddle” policy

• **OP.10** - Admission of New Community to MWRA Water System

• **OP.11** - Admission of New Community to MWRA Sewer System and Other Requests for Sewer Service to Locations Outside MWRA Sewer Service Area
• 301 CMR 11.00

• Public review process for projects that trigger certain regulatory thresholds and have potential environmental impacts

• Applies to project that require a state agency action
  – i.e. permits, financial assistance, land transfers

• Aims to avoid, minimize, and mitigate damage to the environment

• Thresholds for Water Supply Expansion that trigger MEPA review
  – New Interbasin Transfer of 1 mgd or more
  – New water service to a municipality through new or existing pipelines
  – Construction of five or more miles of new water main
  – New withdrawal or expansion of 2.5 or more mgd of surface water
  – New withdrawal or expansion of 100,000 or more gpd that requires new construction

Massachusetts Environmental Policy Act (MEPA)
Interbasin Transfer Act

• 313 CMR 4.00

• Administered by the Water Resources Commission

• Governs transfers of water and wastewater outside of the original river basin in the Commonwealth
  – MWRA Water and Wastewater Systems

• Ensures that resources in the donor basin are not adversely impacted and adequate instream river flow is maintained

• Requests are evaluated based on applicable criteria including
  – MEPA Compliance
  – Adequate water conversation measures
  – Development of all viable in-basin sources

• Donor Basin Application enables Regional Water Supply Systems to increase service to multiple communities by reviewing the donor basin separately from the receiving areas
• All new connections since 2002 operating in compliance

• 2017: recovered from drought which resulted in 0 emergency connections

• Progress made on potential new connections
Wastewater Expansion Possibilities

- Most new connections since 2002 operating in compliance
- Wastewater connections available – wet weather capacity always a consideration
- Looking Ahead...Crescent Ridge Dairy
Water Quality
Annual Total Coliform Positives: January through August

Annual Counts of January - August TC+: Fully Served Communities

- Singleton Positives
- Event Positives

Year
- 2010
- 2011
- 2012
- 2013
- 2014
- 2015
- 2016
- 2017
- 2018

Number of TC+
- 0
- 5
- 10
- 15
- 20
- 25
- 30

11
• 2 tunnels, extending north and south from Shaft 5 area

• Will provide much needed redundancy to Metro system

• About 14 miles of 10’ concrete lined deep rock tunnel

• Mined using Tunnel Boring Machines (TBMs)

• Currently staffing Tunnel Redundancy Department
• Climate
• Stormwater
• Blending
• Lead in Drinking Water
• Waters of the US
• Emerging Contaminants