

# House Agriculture, Land Use, and Water Committee

Lead in Portland's  
Drinking Water

February 21, 2022

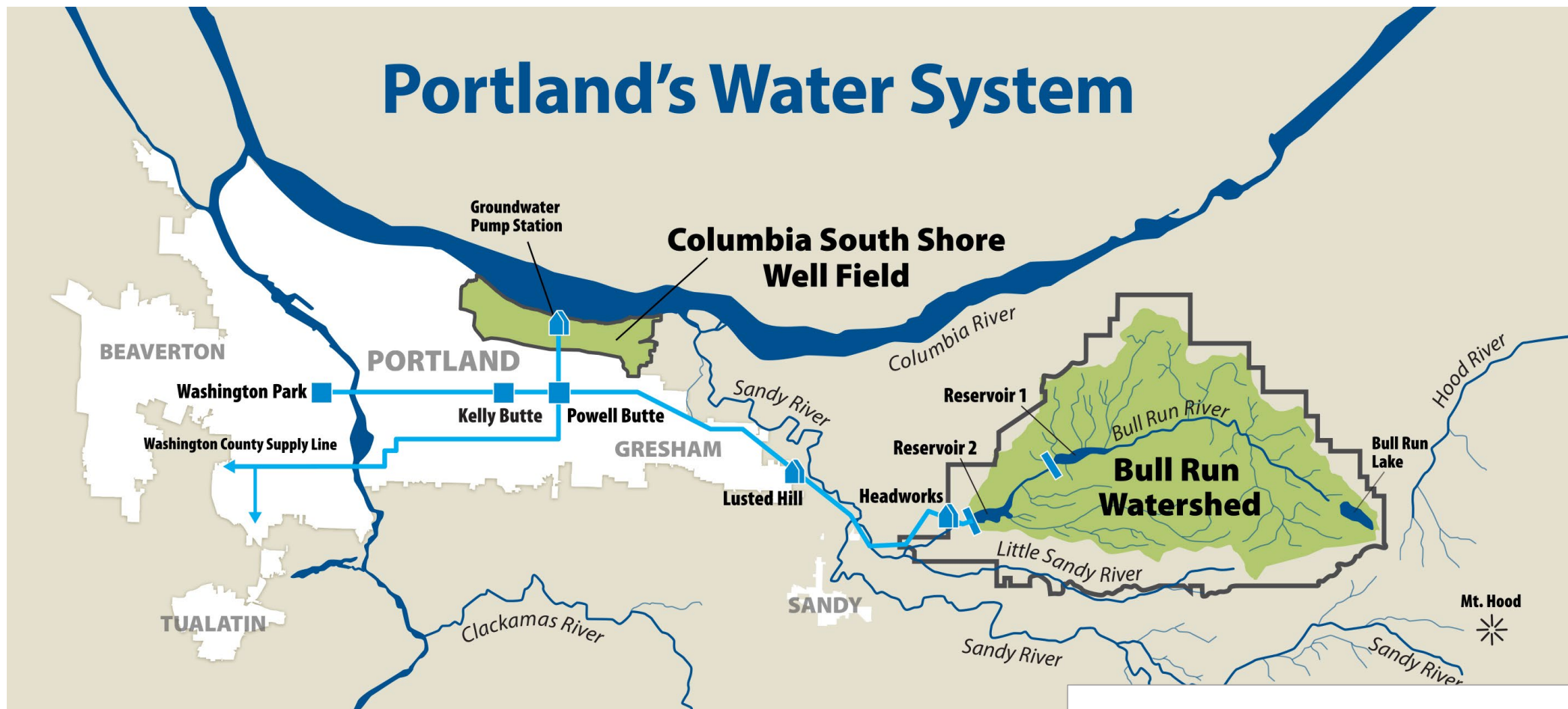









YONE AKAGI - WATER QUALITY MANAGER





# Portland's Water System

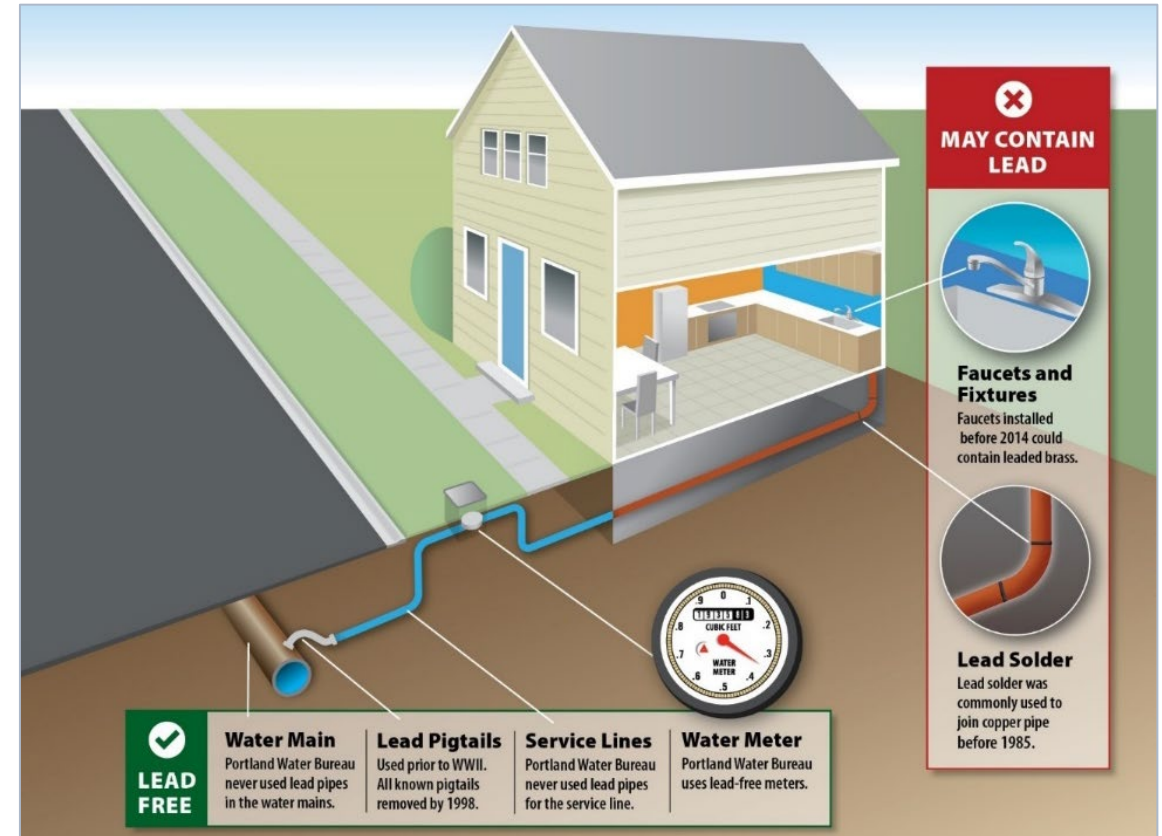


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|--|---|
|  Water Storage Facility   |  Portland Water System Distribution Area |
|  Water Supply Pipes       |  Water Source                            |
|  Water Treatment Facility |  Protected Area                          |
|  Dam                      |   |

- Bull Run Watershed is an unfiltered source, low in minerals.
- Chlorine and ammonia used for disinfection
- pH adjusted to reduce corrosivity

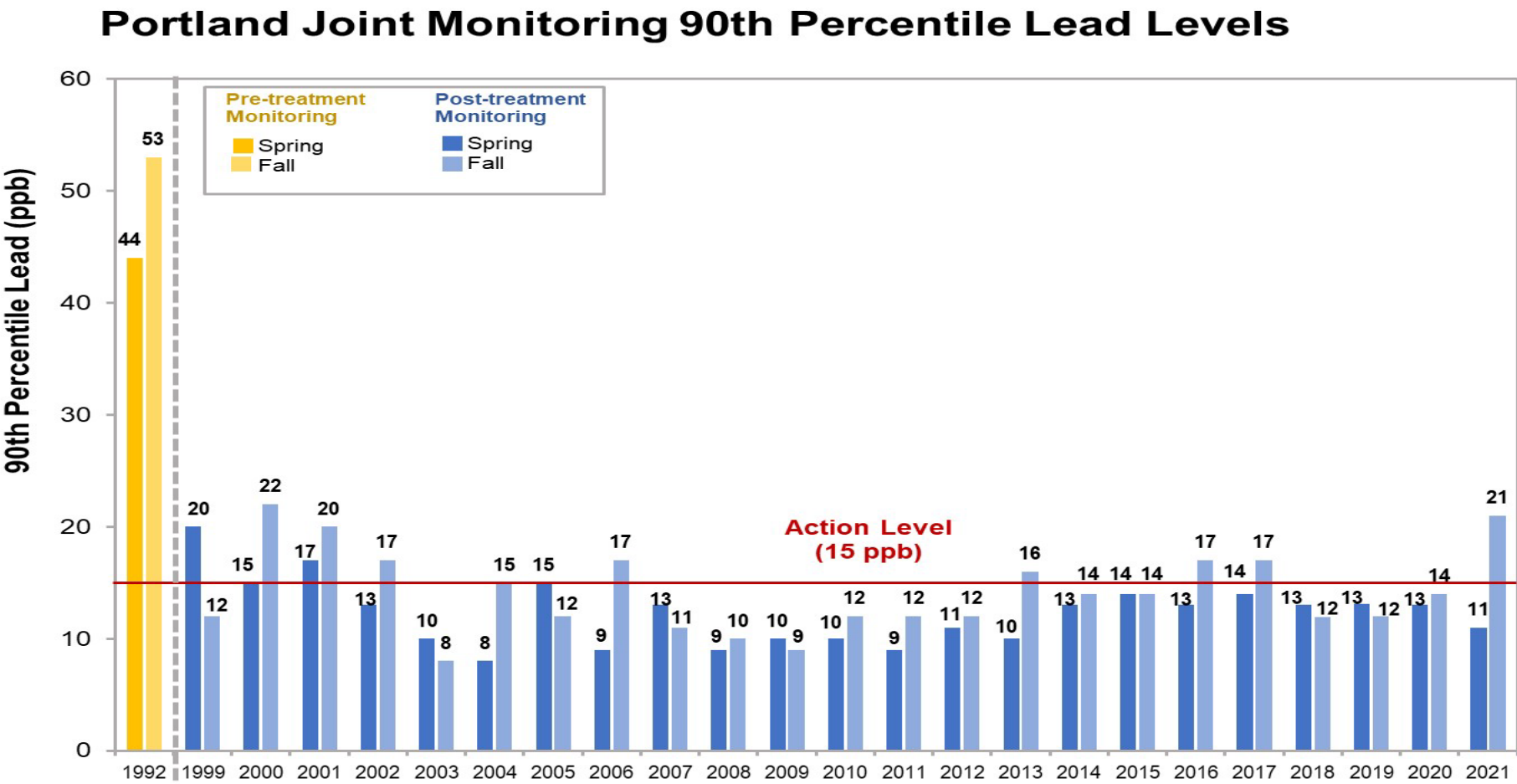
# Sources of Lead in Portland

- Portland never used lead service lines
- Removed all known lead pigtails
- Copper pipes with lead solder is the main concern for Portland's water
  - Most common in homes plumbed or built from 1970-1985 – less than 10% of connections
  - Home plumbing fixtures installed prior to 1985 can also contribute to lead in water



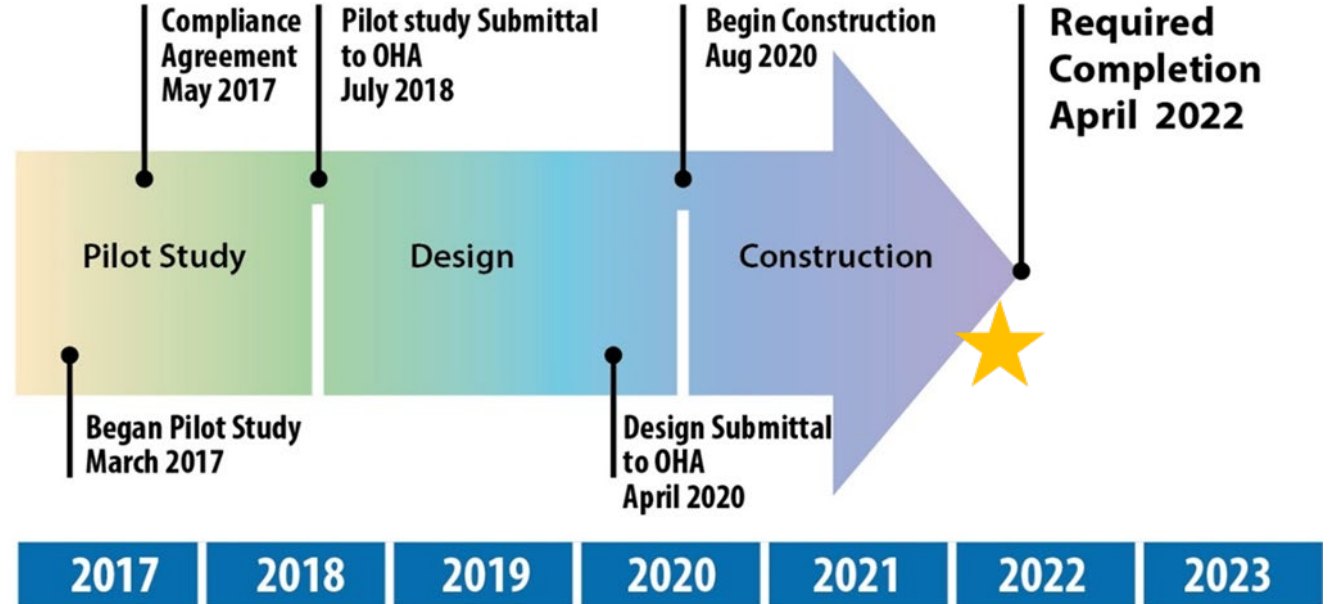
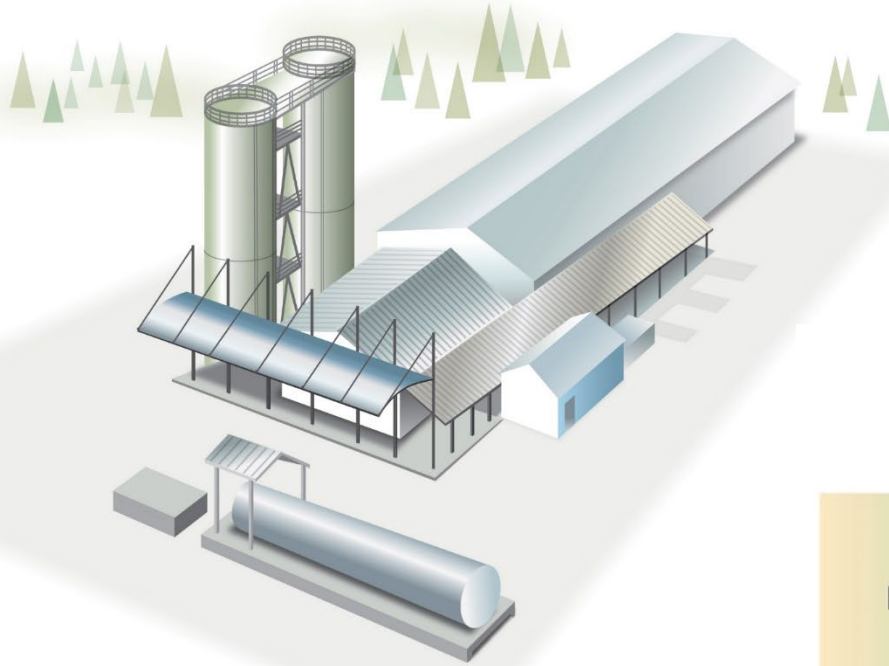
# Regulatory Sampling History at High-Risk Homes

Results are from standing samples at homes known to have copper pipe with lead solder



# Improved Corrosion Control Project

Currently under construction to be in place by April 2022.



# Short-Term Measures

- Increased pH from 8.2 to 8.3 in January 2022
- Acceleration of Improved Corrosion Control Treatment steps
- Providing filters to customers most at-risk to lead-in-water
- Increase Education and Outreach to those most at-risk for lead in water
  - 8,414 of requests for lead tests since December 1  
(double the total number of requests for 2020)





Thank You