

# Comments for EPA's Science Advisory Board

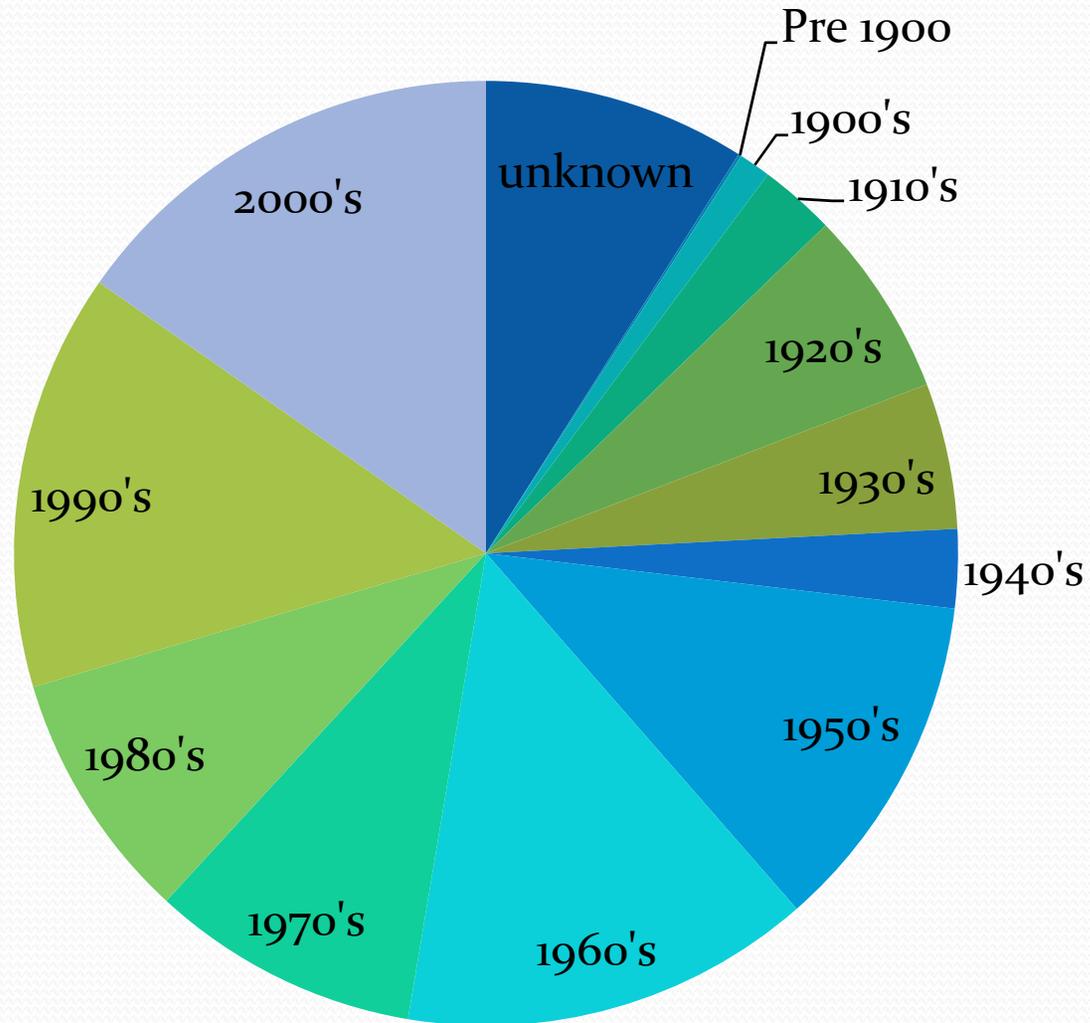
Jeff Swertfeger  
Assistant Superintendent  
Greater Cincinnati Water Works



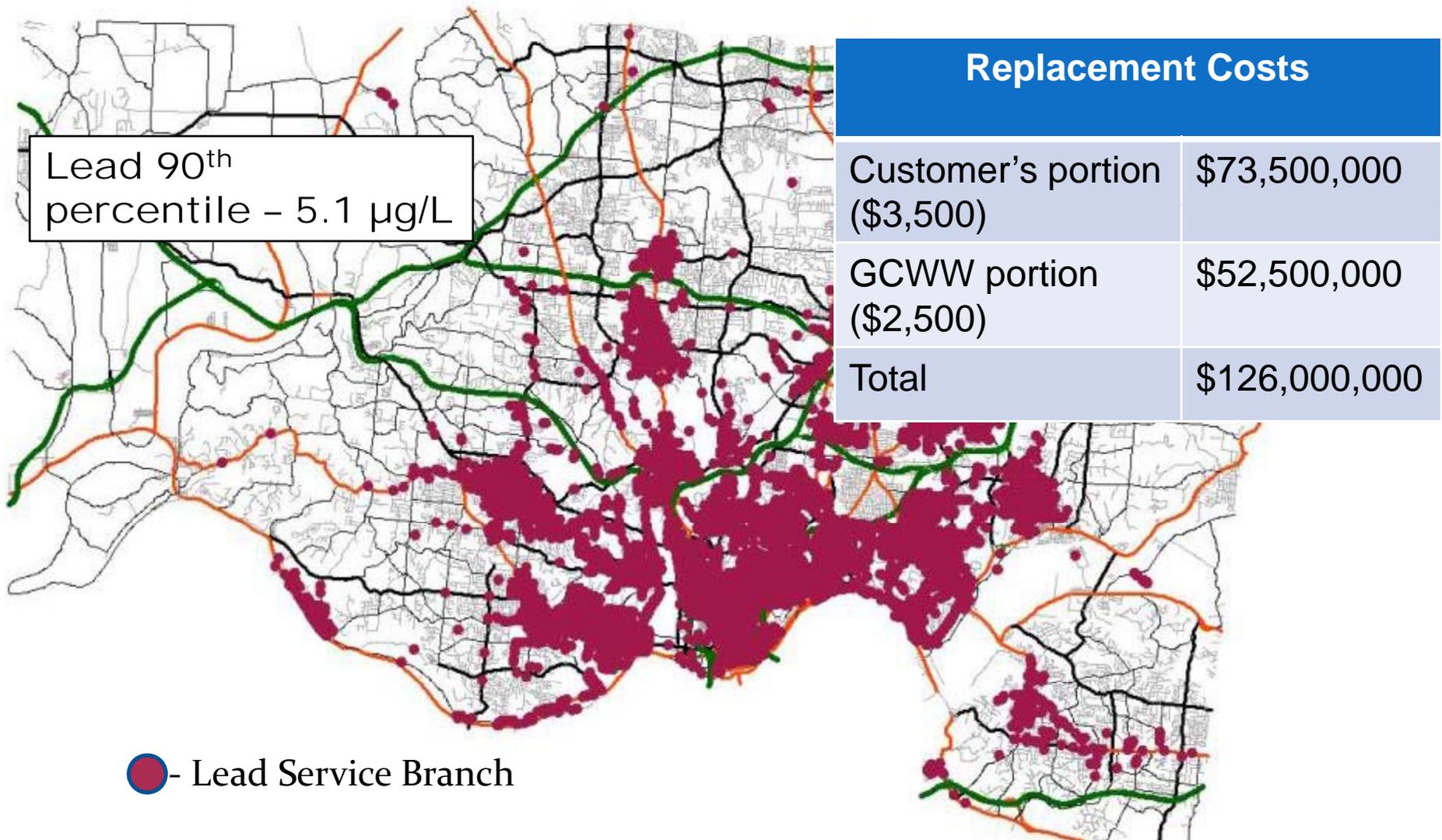
# Cincinnati



# Pipe Age



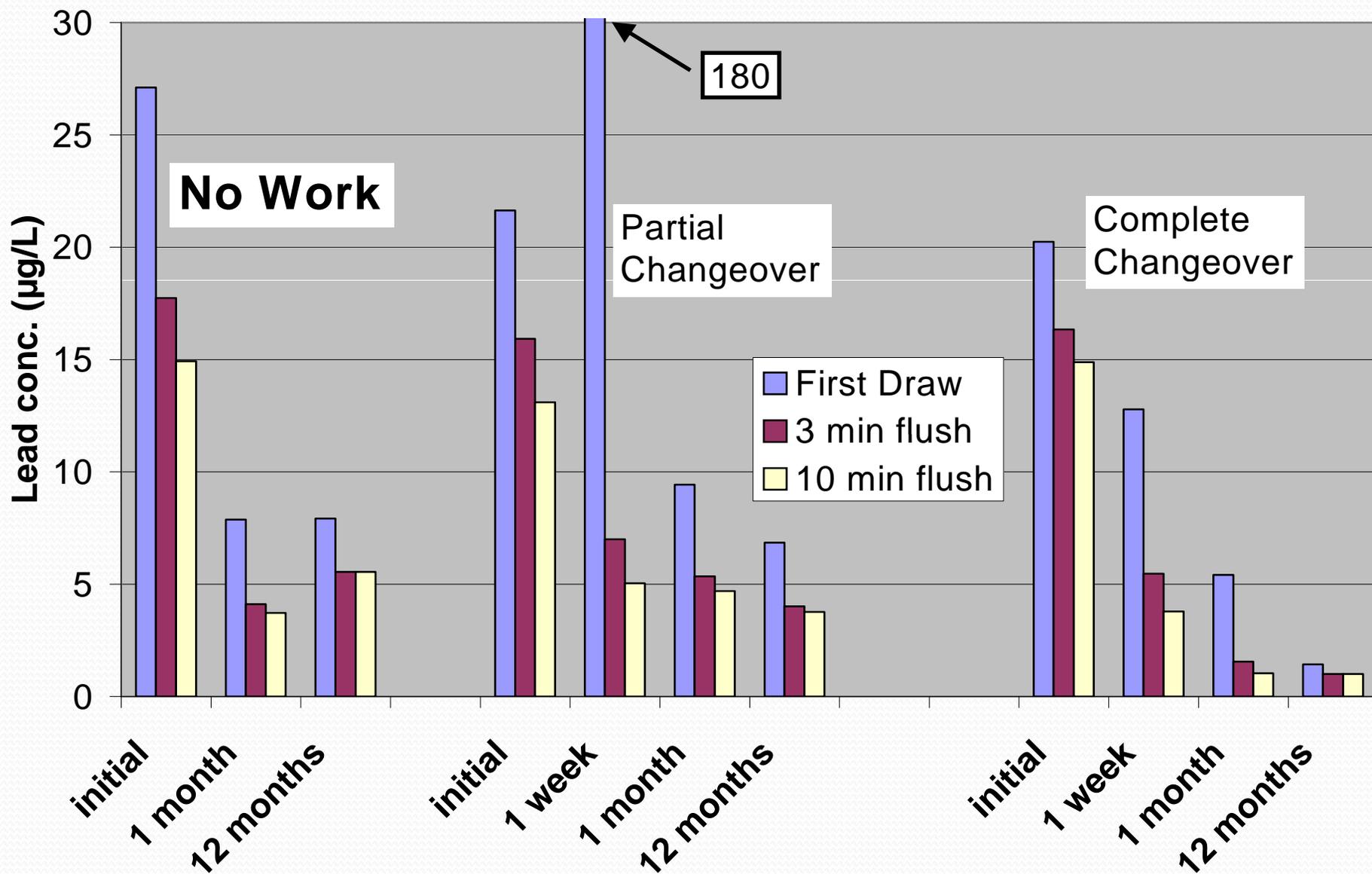
# Lead Service Branches



# GCWW Research - Brass Fittings



# GCWW Service Branch Replacement Study





Utility Owner

Customer Owned

Curb stop

Cu service line

Pb service line

Note old-type soldered connection. GCWW now uses special brass fittings

183 Lafayette Cir\_1049

Property Line

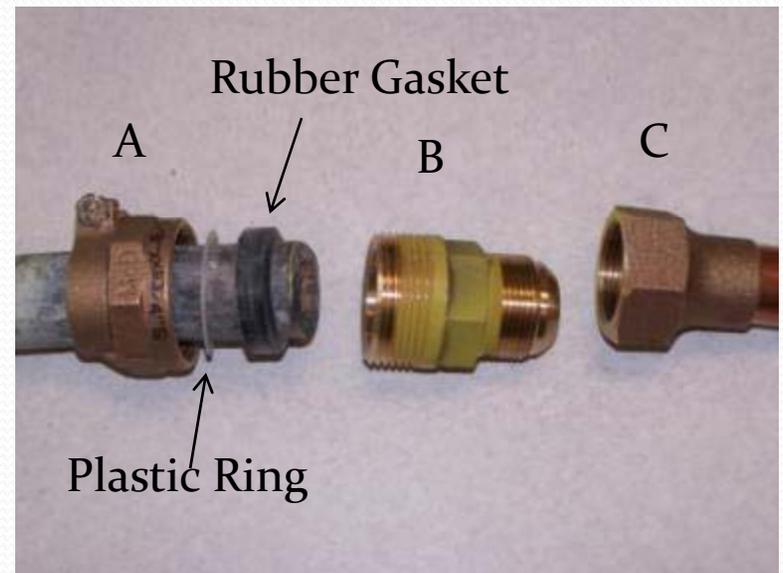
Photo courtesy of Dr. Barry Maynard University of Cincinnati

# GCWW Infrastructure Projects with Lead Lines

	<b>Feet of Main Installed</b>	<b>% in Projects with Lead Service Lines</b>
2008	230,000 (44 Miles)	27%
2009	144,000 (27 Miles)	37%

# Current Practices

- BMPs?
- Flushing
- Customer notification
- Education
- ....but still little customer replacement





# Conclusions

- Legacy lead is still there
- Contact with it every day
- Customers reluctant to change
- Utilities have limited options
- Need BMPs and means to increase customer replacement