Reservoirs/Tanks



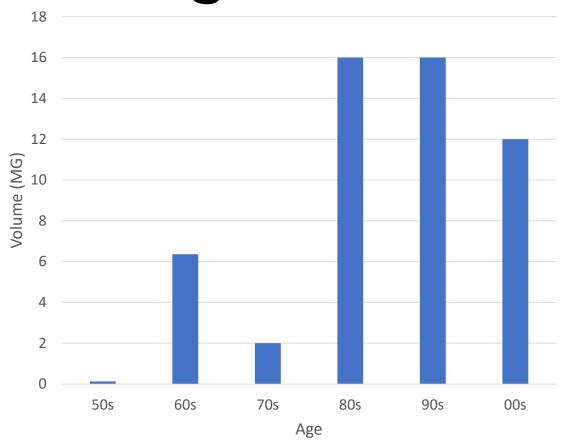
Distribution System

- 15 Reservoir Sites
- 21 Tanks
 - Welded Steel (AWWA D100-05) 18
 - Bolted Steel (AWWA D103-97) − 2
 - Concrete (AWWA D120-02) 1
- 52.5 MG Designed Capacity
- 48.5 MG Operating Capacity



Reservoir Age

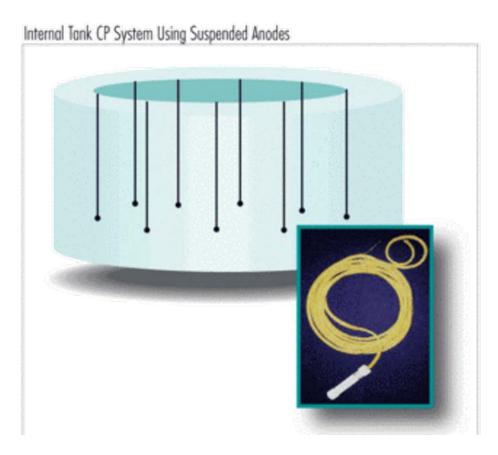
- 1950s 1 (67 years)
- 1960s 6 (60 years)
- 1970s 1 (44 years)
- 1980s 5 (33 years)
- 1990s 5 (30 years)
- 2000s 3 (15 years)





Type of Internal Coating

- No Coating in Concrete Tank
- Tar Coating in 3 Tanks
- Epoxy Painted in 16 Tanks
- No Coating in Well #5 Tank
- 15 Tanks have no Cathodic Protection



Reservoir Maintenance

- 5 Refurbished between 2008-09
- 1 Refurbished in 2015
- Inspections between 2008-19
 - 2 in 2008
 - 1 in 2009
 - 7 in 2012
 - 1 in 2013

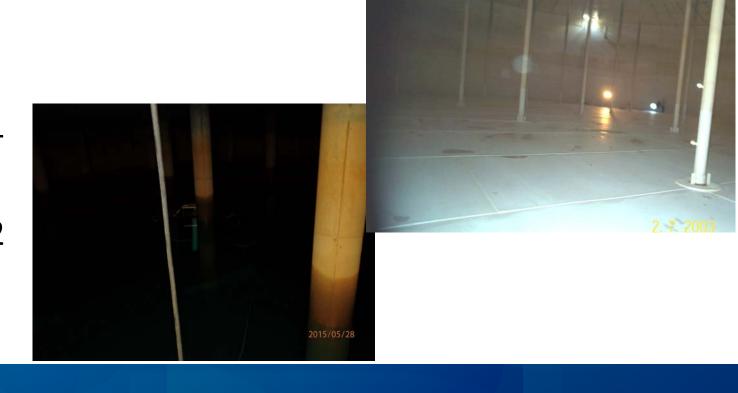
- 1 in 2014
- 1 in 2015
- 4 in 2017
- 3 in 2018
- 1 in 2019





Internal Re-Coating

- 2008 25th Street Tank #1, 45th Street Tank #1 & 3MG
- 2009 2.6 MG & Tovey
- 2012 Upper El Camino
- 2014 47th Street Tank #1
- 2015 Well #18/#19
- 2016 45th Street Tank #2
- 2018 Well #14





Internal Cleaning/Repairs

- Minor Repair and Washout 7
- Good/Fair Conditions 11
- Poor Conditions 3
 - Well #5
 - 25th St. Tank #2
 - 47th St. Tank #2 Rehab
- 5MG Flooring Repair





Regulatory Requirements

- 50th Street Tank Quarterly Disinfection By-Product Testing
- 8 Reservoir Sites Monthly General Physicals (Color, Odor, Turbidity, pH and Conductivity)

El Comino Reservoir 25th St. Reservoir

3M Reservoir 45th St. Reservoir

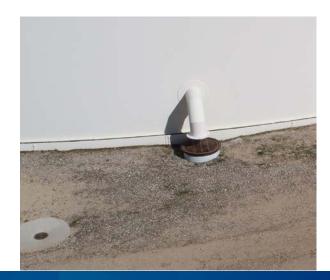
5M Reservoir 47th St. Reservoir

6MG Clearwell 50th St. Reservoir



Additional Monitoring

- Visual Inspection for Leaks, Graffiti and Chlorine 2X/Week
- Vaults & Altitude Valves Quarterly
- Inspect Level Transducers Yearly





Future Plan

- Contract w/Diver to Inspect Tank
- Vacuum/Debris Removal if Needed
- Develop an Assessment Process
- Use Assessment Data to Develop a Rehab Program
- Continue with Condition Assessment



