2016 - Barriers to Success

- Lack of complete, comprehensible and manageable City water records
  - Unknown number of service lines
  - Unknown pipe composition
- Lack of revenue source (highest water rates in the State)
- Lack of sufficient revenue to maintain, improve, or fix system or replace unknown lines
- Lack of capacity
  - Newly elected Mayor
  - No staff as State Emergency Financial Manager had just left
    - No excess capability in City staff, incldg for
    - Strategic planning
    - New operations
    - Oversight
- Lack of TRUST
  - Need clear means of communications w. citizens
Flint Successes

- Completion of all non-Copper Service Lines (SLs) in three years
- Service Line replacement plan “institutionalized” in Concerned Pastors Federal Court order
- Creation of close partnership with DEQ and other State agencies
- Long-term safe water source
- Creation of a system for tracking repairs which is indexed by street address.
- Citizens beginning to truly trust that both water and Pipes are safe for drinking, bathing and other uses
FAST Start Goals:

1. Get the lead out of Flint by determining how many non-copper service lines are in the City, where they are located and how fast they can be replaced.
2. When possible, hire Flint companies and/or workers to do the pipe replacements.
3. Assure that residents whose homes haven’t yet gotten pipe replacements have working filters on their faucets and that they use them.
4. Ramp up work to address 6,000 pipes/year so residents don’t have to wait forever to see their pipes replaced.

9 February 2016: Project Objectives
Red = Lead, Blue = Galvanized, Green = Unknown
Project Scope: Neighborhoods First Served Had Highest Concentrations of Lead-Tainted Pipes
Comparison of “Heat Maps” of Lead-Tainted Pipes from 2016-2017
Keys to Success

- Multi-layered Public Communications
  - Neighborhood Association Meetings
  - Mayor’s Town Halls
  - Local Media

- Imagination & Initiative to find funding
  - CHIP funds
  - Hydrovacking
  - Foundations
  - Donations
Modernization and Innovation

- Pre and Post construction water testing (MDEQ CLEAR Program).
- Developed a database for tracking all work conducted during Phase 4.
- Use of CHIP funds for lead SL replacement.
- Digitization of the City’s service line material records, over 138,000 individual records.
Per the *Concerned Pastors* settlement agreement, the City had to excavate 6000 homes by 1 January 2018.

Excavated **8350 addresses** in 2017

Flint FAST Start initiative has **replaced 6256 lead-tainted service lines** in the City of Flint.

Plan to excavate/replace remaining **9000 lead-tainted SLs** in 2018.
Questions?

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