



# Reinventing CSO Solutions

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# Tasks

- Objective: Remove 2 Billion gallons combined sewage annually.
- Via: Consent Decree and long-term control plan.
  
- Phase 1: Completed 2012 - 2017 at cost \$148m.
- Phase 2: Commencing at expected cost \$713m.



## LTCP Phase 2

# \$713m

LTCP Phase 2 is a significant burden for our residents:

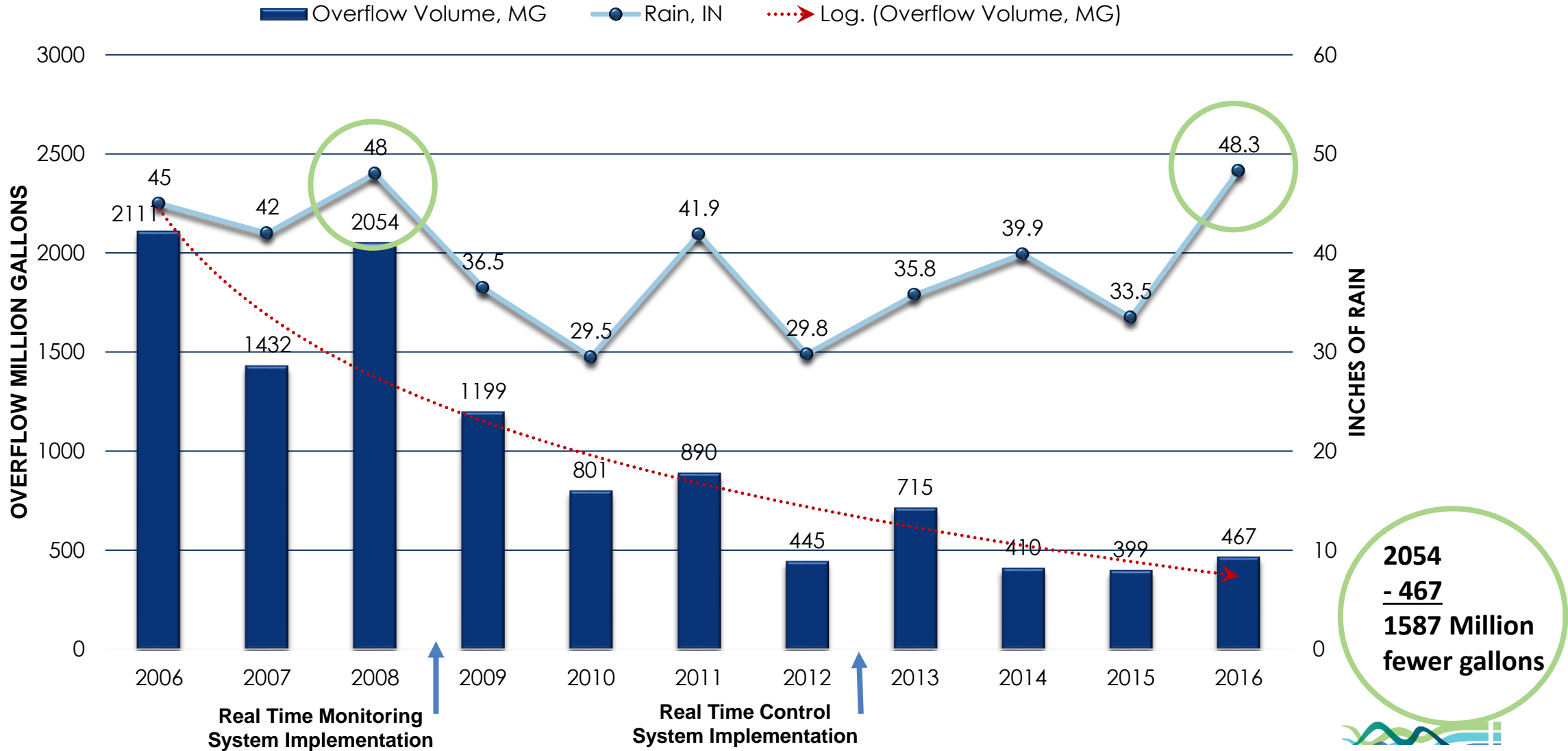
- 1 in 5 households will pay 10% of their household income just toward their water bill.
- 1 in 10 will pay 14%.
- Anything >2% median household income is considered a high burden. We are at 3.69%.



# Phase 1\* Successes

- Other than 6 small sewer separation projects the real success of Phase 1 wasn't in completing LTCP, rather success was obtained via Smart Sewer Network.
- 2008: Sensors;
- 2011: Real-time control;
- 2017: Hyper accurate modelling;

# Phase 1\* successes: How did we do?





Thank You