

NEW Water, Green Bay, WI

# I&I Stakeholder Advisory Group Kick-off Meeting

December 3 | 2020



# Purpose of Meeting

- Continue the discussion about I&I regionally and locally
- Develop an understanding of the approach to the project
- Gather input on project challenges and how to achieve success
- Identify upcoming SAG activity

# Purpose and Mission Statement

The purpose of the Inflow & Infiltration Stakeholder Advisory Group is to advise NEW water as it evaluates and addresses the impacts of I&I in our community.

The Inflow & Infiltration Stakeholder Advisory Group will develop goals and implementation strategies to reduce I&I. The group will make recommendations for implementation of the goals and strategies by local communities and NEW Water.

# Agenda

- Introductions
- Project Goals
- Project Scope
- Project Schedule
- Discussion
  - Project Concerns, Challenges, and Obstacles
  - Steps for a Successful Program
- Municipal Customer and SAG Outreach
- Next Steps

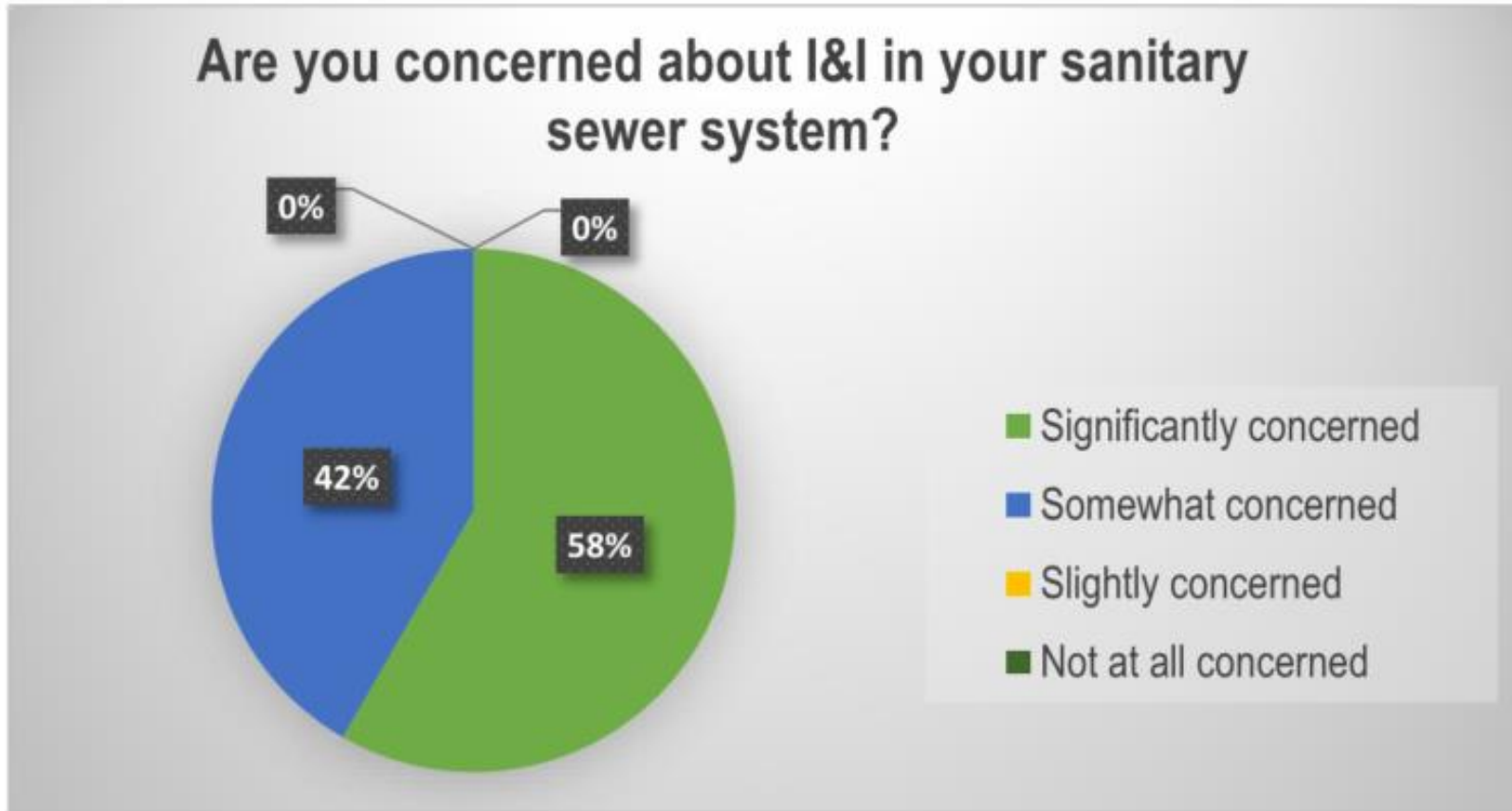
# Project Goals

1. Gaining a better understanding of the I&I issue
2. Gaining a better understanding of I&I reduction alternatives
3. Gaining a consensus while building toward the selection of a Regional I&I Reduction Program

# Project Scope

- Task 1 – Project Work Plan and Kickoff Meeting
- Task 2 – Identify the Problem/Perform an Assessment of Current I&I Conditions
- Task 3 – I&I Workshop with Customer Municipalities
- Task 4 – Evaluate Existing GBMSD and Customer I&I Current Practices
- Task 5 – I&I Reduction Program Alternatives Assessment
- Task 6 – Technical Support for I&I SAG
- Task 7 – Commission Meeting Presentation
- Task 8 – Project Management

# Regional I&I Reduction Program Goals



# **Meeting Notes:**

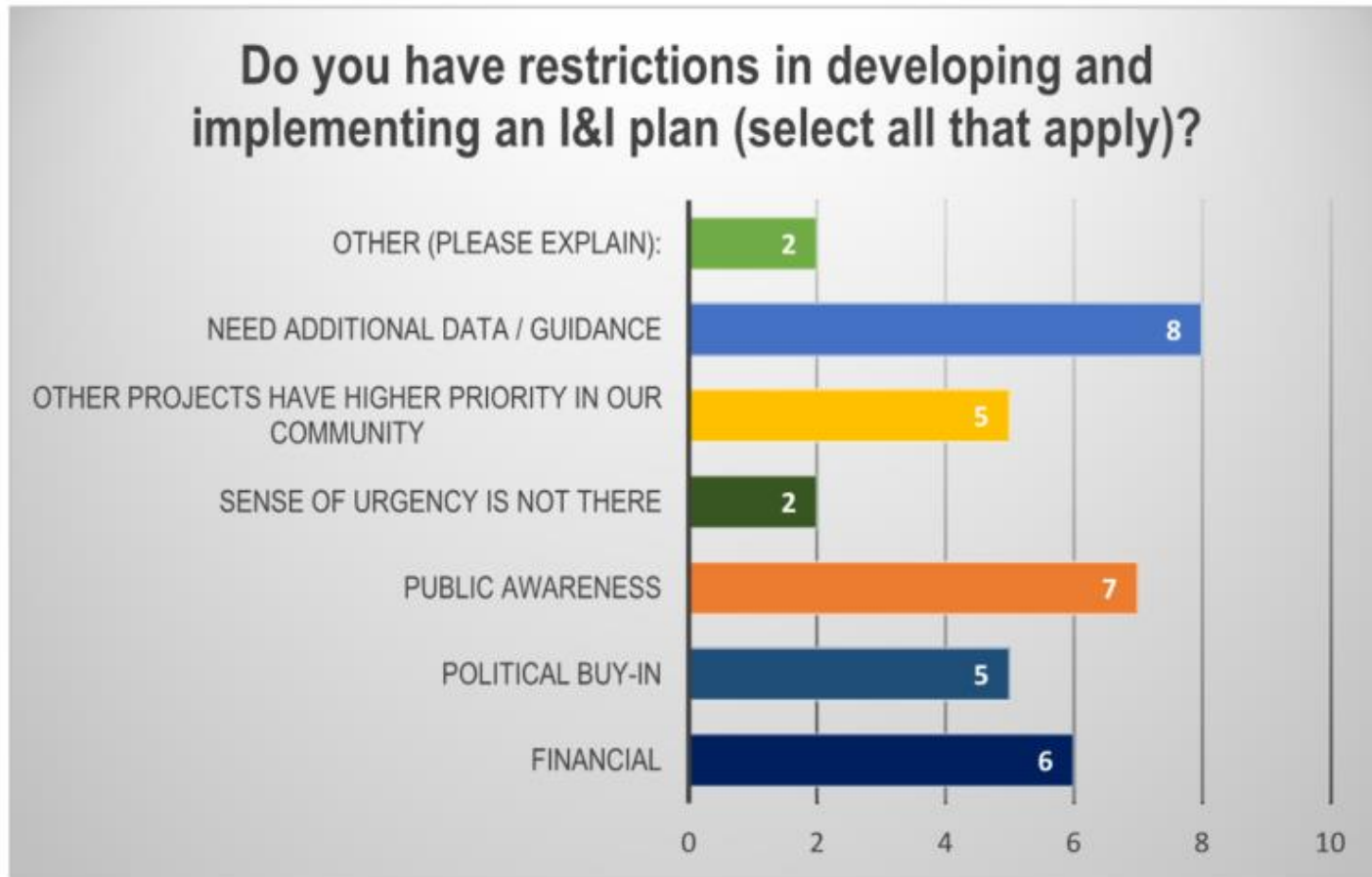
## **Regional I&I Reduction Program:**

### **Ideas & Goals Discussion**

- Model ordinance for removal or replacement of sanitary laterals (on private property)
- Practices for enforcement of the ordinance and how to proceed with the inspection to enforce the ordinance
- Informational piece to explain how and why to complete the I&I reduction work; it needs to be understood at the political level
- Training for local contractors to complete the I&I reduction work (depends on local contractor capabilities)
- Lessen the volume charges during wet weather flows (especially when groundwater levels rise)
- Standardization in efforts to reduce I&I (e.g., standard specs for CIPP projects, pipe replacement); allows for easier bidding of projects and perhaps joint bidding between municipalities
- Catalogue of what the other municipal customers are doing to reduce I&I
- Similar expectations for I&I reduction (e.g., some municipalities may have existing programs to address private property I&I and have financing options for homeowners to pay for the repairs)
- How to pay for I&I reduction efforts
- Options to pay for I&I reduction efforts
- Prioritization of I&I reduction efforts (focus effort where it is most effective)
- Exploring other investigation and rehabilitation options with municipalities
- Ensure NEW Water conveyance system and treatment plant can accommodate the future growth from the municipal customers (avoid limited capacity due to I&I from preventing future growth)
- Having a list of staff and equipment that all the municipalities own that they can share (e.g., joint purchase of televising equipment and train staff on televising, flow monitoring equipment)
- Monitor areas that are not currently metered; metering to confirm where I&I reduction is beneficial
- “Plain talk” communications plan that can be brought back to the municipal boards and customers (homeowners)
- (Revisit goals in SAG meeting 2 in June 2020)



# Program Concerns, Challenges and Obstacles

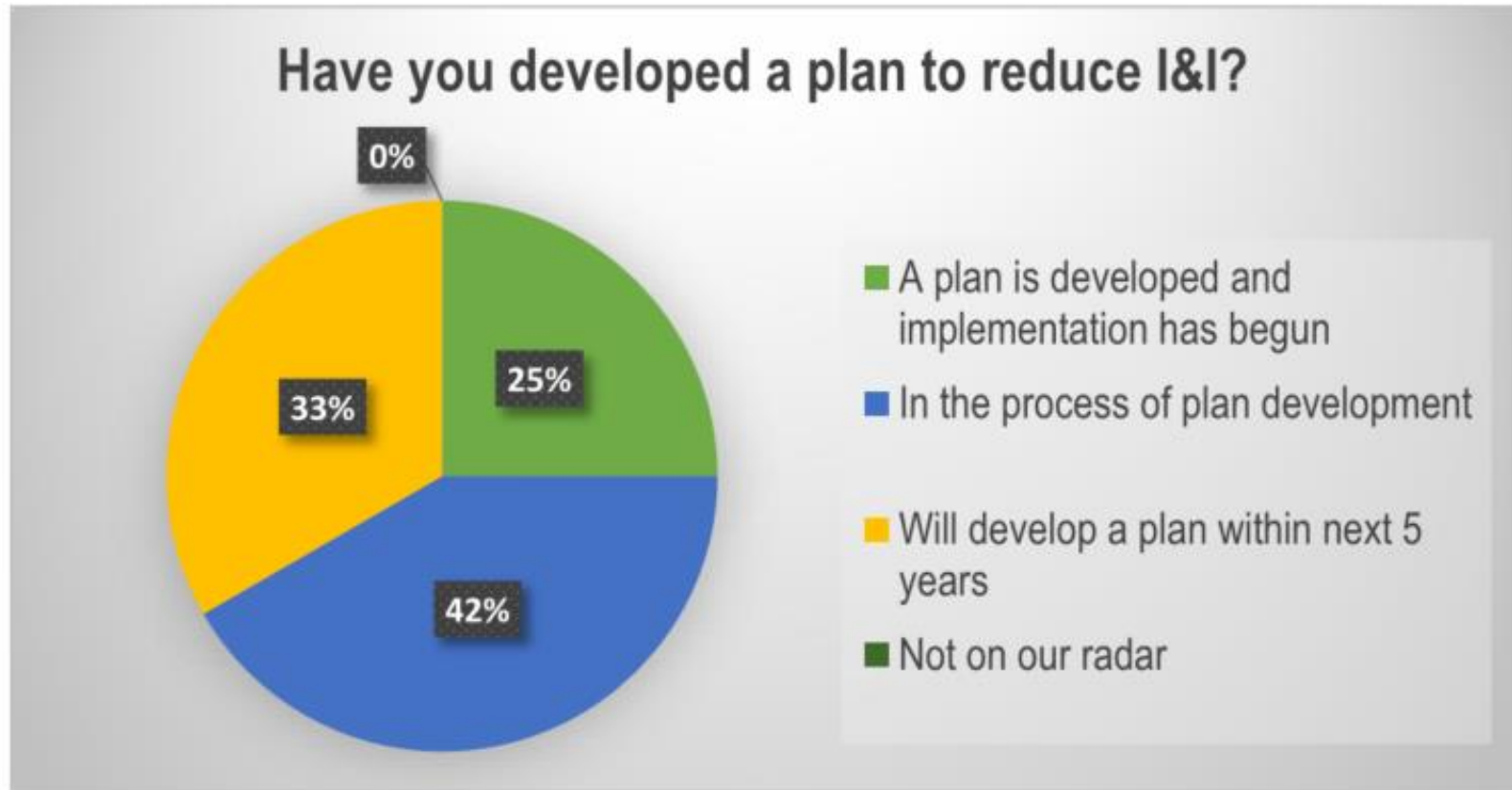


# **Meeting Notes:**

## **Regional I&I Reduction Program: Concerns, Challenges & Obstacles Discussion**

- Financial cost to upgrade NEW Water facilities (especially the conveyance system) to accommodate excessive I&I; cost-benefit analysis of I&I reduction
- Weather: What are the trends? Will large annual rainfalls continue?
- Competing dollars with flood management efforts (more visible, flooding happening more regularly)
- Is the future truly reflective of the past?
- If the investment is made, how much of a benefit will it provide? Benefit of I&I reduction seems more uncertain
- I&I issue is similar to reducing water loss from water systems (e.g., complicated, underground, difficult to identify the sources, not easy)
- Having good flow monitoring data and understanding of the geographic distribution of I&I
- Prioritizing I&I investigation and reduction efforts
- Standardizing can risk autonomy of the individual community (need a balance of standardizing the work and the expectation of improvement)
- Challenging to find an equitable approach given differences between communities

# Steps for a Successful Program



# ***Meeting Notes: Steps for a Successful Program***

- Identifying where the geographic extent of the I&I problem is worst and next steps
- Financial impact of NEW Water by reducing flow and resulting rate impact to customers; is there an optimum flow?
- Figuring out how to pay for the work (e.g., access to low-cost financing for the capital improvements)
- Identifying legal parameters of using public funds on private property
- Have a clearer understanding of roles for NEW Water and municipalities

# Municipal Customer and SAG Outreach

- What do the municipal customers need from NEW Water?
  - I&I practice guidelines
  - One-on-one customer municipality meetings
  - Technical support for governmental board meetings
- What does NEW Water need from the municipal customers?
  - Input and feedback on potential I&I reduction programs

# Next Steps

- I&I Workshop: March 2021
  - Findings from current I&I conditions assessment
  - Tools, techniques, technologies for finding I&I sources
  - Regional I&I reduction program examples
- Survey/questionnaire
  - Historic practices
  - Current capabilities
  - Future priorities
- Data requests