



Agenda Date: 9/21/2016
Agenda Placement: 8D

Napa Sanitation District Board Agenda Letter

TO: Honorable Board of Directors
FROM: Timothy Healy - General Manager
NS-Technical Services/Engineer
REPORT BY: Andrew Damron, Senior Civil Engineer - 707-258-6000
SUBJECT: Presentation of the 15/16 I/I Reduction Program Flow Monitoring Results

RECOMMENDATION

Receive a presentation from staff on the 15/16 Inflow/Infiltration (I/I) Reduction Program Flow Monitoring Results.

EXECUTIVE SUMMARY

The District is implementing an inflow/infiltration (I/I) pilot program (CIP 13705). The purpose of this presentation is to provide information to the Board based on the 15/16 flow monitoring results. The presentation will include results and proposed future steps.

FISCAL IMPACT

Is there a Fiscal Impact? No

ENVIRONMENTAL IMPACT

None.

BACKGROUND AND DISCUSSION

The District's Collection System Master Plan (2007) identified \$120 million in needed capacity system upgrades to

convey peak wet-weather flows. During a large storm event, system-wide flows can result high peaking factors. As an alternative to expensive capacity upgrades to pipelines and pump stations, the District opted to implement an I/I reduction pilot program. A series of projects were planned and constructed, including manhole lining, pipeline rehabilitation, and private lateral rehabilitation. Flow meters were installed to measure peak flows from project areas before and after construction to estimate project effectiveness.

SUPPORTING DOCUMENTS

A . Presentation Slides

Napa Sanitation District: Approve

Reviewed By: Timothy Healy