



Agenda Date: 9/6/2017  
Agenda Placement: 8D

## Napa Sanitation District Board Agenda Letter

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**TO:** Honorable Board of Directors  
**FROM:** Timothy Healy - General Manager  
NS-Technical Services/Engineer  
**REPORT BY:** Andrew Damron, Technical Services Director - 707-258-6000  
**SUBJECT:** Presentation of the 16/17 I/I Reduction Program Flow Monitoring Results

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### **RECOMMENDATION**

Receive a presentation from staff on the 16/17 Inflow/Infiltration (I/I) Reduction Program flow monitoring results.

### **EXECUTIVE SUMMARY**

NapaSan is implementing an inflow/infiltration (I/I) program (CIP 13705). The purpose of this presentation is to provide information to the Board based on the 16/17 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**

NapaSan'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, NapaSan 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