

**NapaSan**  
**1515 Soscol Ferry Road**  
**Napa, California**

**I. Respondent:**

Mark C. Egan, Maintenance Supervisor

**II. Presenters:**

- Steven Chavis, Operator III
- Jaden Foust, Operator II
- Derrick Metras, Operator III

**III. Treatment Plant Characteristics:**

- Wastewater Collection, Treatment, Recovery, Reuse Facility. Reuse systems include recycled water for irrigation, energy production through captured methane running cogeneration unit and bio-solids distribution
- 51 employees
- 81,000 customers served

## **IV. Innovation:**

### **A. Description**

- Diaphragm Pumps used for chemical dosing
- Progressive Cavity/Positive Displacement Pumps used for solids transfer and chemical dosing
- Submersible Pumps used in waste streams, sumps and solids transfer

### **B. Type of Innovations**

- Operations and Maintenance
- Recommissioning

### **C. Other information**

We are going to cover what process areas these pumps are used in, the PM tasks associated with these pumps and the different failures that are encountered, and the corrective action taken to return them to service.