

**Harry Tracy Water Treatment Plant
San Francisco Public Utilities Commission
3698 Crystal Springs Road
Millbrae, California**

I. Respondent:

Dave Calvo, Senior Stationary Engineer/Water Treatment Operator

II. Treatment Plant Characteristics:

- Water Treatment –
- ~1 million customers served
- 24 employees

III. Innovation:

A. Description

We just completed a new Ozone system upgrade, added new filters, and installed an 11-million-gallon reservoir. We also went to “time of use” pumping strategy at some of our remote locations

B. Type of Innovations

- Increased use of information technology
- New treatment process
- Optimization of existing resources
- Improvements to operational efficiency and cost savings, which also ensures all state requirements are met. Improvement of Water Quality and reliability to customers

C. Motivation for Innovations

The useful life of the existing industrial plant has passed, and the new industrial plant is being designed with recycled water in mind as part of sustainability commitments at the airport. Due to our small size, we are looking for a regional effort with larger organizations.

D. Barriers/Challenges

Keeping the plant up and running while still providing a quality product to the customers. This becomes challenging sometimes due to tying in the new system with the old. The other challenges go without saying, such as contractors accidentally shutting something off.

E. Benefits

A more energy efficient Ozone system, which in turn reduces overall production cost, the ability to have more filters available to produce quality water, and better redundancy, in case the filters need repair or maintenance.

IV. DROUGHT RESPONSE

Our agency has been working on developing and employing wells throughout our system. These wells can add to our water supply in the event the drought continues or if future water shortages come about.

V. INFORMATION-SHARING

Would be willing to visit another regional water/wastewater facility to provide a presentation on our process/innovation.

- Contact Dave Calvo –email: dcalvo@swater.org

Would be willing to visit another regional water/wastewater facility to provide a presentation on this innovation.

Would be willing for a staff member from another water/wastewater utility to conduct a follow-up visit to your utility to learn more about your innovation.

- Contact Parveen Joshi –email: pjoshi@swater.org

VI. INTERESTS

We would be interested in learning more about the SF airport's, South City's, and Daly City's water and waste water facilities. These are all nearby agencies that would be beneficial for us to see and network with their staff. You never know when we may need to share new technology tested or information on contractors available.

- Contact Dave Calvo (see above)