

San José Water Company
1221a South Bascom Avenue, San José, CA

I. Presenter: Curt Rayer, Director of Operations

II. Treatment Plant Characteristics:

- Water Treatment and Distribution
- 374 employees
- 1,000,000+ customers served

III. Innovation:

A. Description

SCADA time of use pump controls

B. Type of Innovations

- Increased use of Information Technology
- New treatment process
- Modification of workflow processes or classifications
- New approach to documentation, technical training, staff development, or knowledge management
- Optimization of existing resources

C. Motivation for Innovations

Cost of operation – energy management

D. Barriers/Challenges

Unique programming in SCADA PLCs and HMI

E. Benefits

Maintain effective time of use pumping operations

F. Effect on Staff Training

Staff must be trained on PG&E time of use schedules and how SCADA will manage pump starts and stops.

G. Lessons Learned

More elaborate SCADA controls require increased support from company IT staff

IV. Information Sharing:	Yes	No
Willing to host on-site tour	X	
Willing to visit another regional water/wastewater facility to provide presentation on innovation		X
Willing for staff member from other utility to conduct a follow-up visit to learn more about innovations	X	
Interested in on-line forum to discuss water/recycling/waste-water treatment issues	X	