

Central Marin Sanitation Agency San Rafael, CA

I. Presenter: Chris Finton, Treatment Plant Manager

II. Treatment Plant Characteristics:

- Wastewater
- 120,000 customers served
- 41 employees

III. Innovation:

A. Description

Central Marin Sanitation Agency is partnering with Marin Sanitary Service (solid waste management company) to divert food-waste from the coast landfill and feed our two anaerobic digesters this product to produce extra bio-gas.

B. Type of Innovations

- Increased use of Information Technology (data tablet operation of facility)
- Public/Private Partnership

C. Motivation for Innovation

Direct food waste from the coast landfill to produce energy, reduce greenhouse gas emissions, and extend landfill lifespan.

D. Barriers/Challenges

This is a new concept in not only Marin County, but in the country as a whole

E. Benefits

Public is supportive of the project, the additions/electricity produced from diverting foodwaste will pay for the improvements need to accomplish this work.

F. Effect on Staff Training

Effect on staff training needed new facility to operate, but staff-competencies have not changed.

G. Lessons Learned

- Relocation of ClO₂ allows a better mixing control with higher quality ClO₂
- Use of Cl with ClO₂ helped reduce chlorate (DBP) limitations of ClO₂

IV. Information Sharing:

- Willing to host on-site tour
- Willing to visit another regional water/wastewater facility to provide presentation on innovation
- Willing for a staff member from another utility to conduct a follow-up visit to learn more about innovation
- Interested in on-line forum to discuss water/recycling/wastewater treatment issues