BACWA – Engineering Information Sharing Group
Meeting Minutes
September 25, 2008
10:00-1:00 at WCWD

Attendees

1. Greg Baatrup, FSSD
2. Rolf Ohlemutz, VFSCD
3. Ken Cook, WCWD
4. Paul Winnicki, WCWD
5. Kevin Rahman, SMCSD
6. Caroline Quinn, DDSD
7. Bhavani Yerrapotu, SJ/SC WPCP
8. Ken Katen, CMSA
9. Jackie Wong, CMSA
10. Sandeep Karkal, Novato San
11. Craig Deasy, Novato San
12. Brian Henderson, SF
13. Lori Mitchell, SF
14. John Doyle, SF
15. Teresa Herrera, SBSA
16. Tim Healy, Napa San
17. Ed McCormick, EBMUD
18. Garry Lee, DSRSD
19. Rhodora Biagtan, DSRSD
20. Ting Ong, SJ/SC WPCP
21. Mike Barnes, Whitley Burchett & Associates

Discussion

1. Legal Actions against SSOs by Baykeeper, etc.
    a. Vallejo San. Arrived at a settlement with Baykeeper over SSOs in 1999. Have spent over $60 million on sewer system improvements since then. Rolf also discussed a variety of other impacts of their SSO work.
    b. WCWD. Reached an agreement with Baykeeper about 1.5 years ago, and are in the process of making sewer system improvements.
    c. Sausalito Marin City Sanitary District. They are currently addressing an administrative order from the EPA which includes many work tasks to complete.
2. Alternative Energy Planning and Projects
    a. SF. John Doyle discussed the alternative energy planning and projects implemented by SF. These include numerous solar projects, cogeneration projects, and power purchases from the geysers project. They have used private companies to implement their solar projects to take advantage of the 30% federal tax credit. They have installed 30 monitoring stations to measure wind speed to determine the potential for wind turbines, which are the most cost-effective of the alternative energy projects. They studied the potential for a tidal energy project under the Golden Gate Bridge, but it

would only produce 2 mW, and is not cost-effective since the power would cost $1 to 1.50 per kWh.

b. FSSD is implementing a wind turbine project consisting of four 50 kW wind turbines. The turbines will have a hub height of 100 feet, with a 25 ft radius blade. They estimate an 11-12 year payback. The project should be on line by the end of the year. The District will own the turbines, but will enter into a 5 year O&M agreement with the vendor. The design life of the turbines is 25 years.

c. WWCD is implementing a solar project via a power purchase agreement. The District selected the vendor via an RFP process. They will purchase the power at 10.7 cents per kWh with a 4% escalator. The solar panels will be made by Premier Power and designed to rotate the panel array on two axes to maximize power production. There will be a total of 89 solar panel arrays, each installed on a 13 ft high column. The design life is 30 years, and they come with a 25 year warranty.

3. Master Plan and CIPs. The group decided to discuss this in detail at the next meeting. SJ, SBSA, SF, and EBMUD all have projects that they can discuss. There was interest in comparing the size of treatment CIPs to collection system CIPs. In addition, SBSA asked if any one was using information management software to track CIP projects.

4. Sea Level Rise Planning. Redwood City and SF have completed studies on this. This will be a topic for a future meeting.

5. Next meeting date: January 29, 2009 from 10am to 1pm. Schedule permitting EBMUD will host. If EBMUD can't host, others that offered to host include: WCWD, SJ, DSRSD, and SF.

Alternate Discussion Items

- Master planning and CIPs
- Project information management (for example, electronic project management/tracking tools
- Food waste digestion (CMSA, SF, and EBMUD either have projects or a specific interest in this.)
- Succession Planning
- Sustainability analyses
- Standard specifications
- Standard details
- Development and/or implementation of CIPs
- Development and/or implementation of major maintenance projects
- Completing small CIP projects
- Project delivery approaches (design build, etc.)
- Maintaining record drawings
- Engineering organization structure
- Use of newer technologies (UV, screw press, etc)

- Rehabilitation of assets
- Process performance