

Asset Management Committee
Report to BACWA Board

Committee Meeting on: 08/24/2022
Executive Board Meeting Date: 10/21/2022
Committee Chairs: Rebecca Overacre (EBMUD) and
Khae Bohan (CCCSD)

Committee Request for Board Action: None

19 attendees representing 8 member agencies

Results from Asset Management Solution Survey

Khae Bohan (Central San) presented the [results of a recent survey](#) conducted by the committee regarding asset management solutions. Of 13 respondents, Cityworks was the most commonly used asset management solution for vertical and horizontal assets. Other respondents reported using Maximo, Mainsaver, Hansen, Maintenance Connection, and Infor EAM. Most respondents were happy with their current solution. Respondents also shared criteria for different types of repairs to horizontal assets (i.e., collapsed pipe = emergency repair).

Condition Assessments and Comprehensive Asset Evaluations

Michael Cunningham (Central San) described how his agency has used Comprehensive Asset Evaluation to build upon condition assessment as a way of making informed business decisions about aging infrastructure. The case study in the presentation was Central San's steam system, which is intricately tied to the plant's solids handling system and aeration systems. The presentation and ensuing discussion noted the following:

- The Comprehensive Asset Evaluation used different scoring systems for electrical and non-electrical assets. For electrical assets, standardization is a more important consideration (for training, access to spare parts, etc.). The scoring was relied upon more heavily than typical metrics like consequence of failure and probability of failure, because it includes other drivers like capacity, regulatory constraints, and plant optimization.
- Condition assessments require champions in both engineering and O&M in order to coordinate shutdowns and inspections. It is useful to have an inspection team available on short notice.
- A variety of condition assessment approaches were used. Central San hired [Mistras](#) to perform guided wavelength testing of the steam piping. The test uses a collar around the pipe, and provides information about 50 feet in each direction. It is useful in insulated or large pipes.
- The presentation included color-coded graphics of plant equipment showing remaining useful life in one of 4 categories (immediate, near-term, long-term, and future). Central San has found this graphic to be useful for communicating the results of the asset evaluation.

Next Meeting: November 3, 2022, 1:30 – 2:30 PM

Topic: San José-Santa Clara Regional Wastewater Facility Yard Piping Project

Presenter: Lani Good, P.E., Regional Planning & Asset Management Lead from Black & Veatch