

Asset Management Committee
Report to BACWA Board

Committee Meeting on: 05/09/2023
Executive Board Meeting Date: 06/16/2023
Committee Chairs: Rebecca Overacre (EBMUD)
and Khae Bohan (CCCSD)

Committee Request for Board Action: None

25 attendees representing 10 member agencies

[Risk, Renewal, and Reduced Regulation: Transforming Ross Valley Sanitary District's Regulatory-Driven O&M and Capital Programs](#)

Allan Scott, Senior Utility Management Consultant with HDR and Steve Moore, General Manager of Ross Valley Sanitary District, presented on the District's asset management approach as captured in their [2021 Infrastructure Asset Management Plan \(IAMP\) Update](#). The District has embraced an asset management approach in responding to a 2013 enforcement order from the Regional Water Board, which required specific rehabilitation measures. The [presentation](#) and ensuing discussion noted the following:

- Since the preparation of the District's 2013 IAMP, the District has collected much additional information in the field through condition assessments of gravity pipelines, manholes, force mains, lift stations, and creek crossings. This additional information has allowed the District to re-evaluate priorities and reduce the total cost of their capital program.
- Repeated CCTVs of gravity pipelines has allowed the District to see how specific defects evolve over time. They were able to match up 203 defects observed twice, and only 10 of these (5%) showed evidence of deterioration over time. The defects with the highest rate of deterioration were those that extended past two "hours" of the clock (i.e., more than 1/6th of pipe's circumference).
- Asset management is the basis for about 60% of the District's capital program. The District also has maintenance-based, SSO-based, and capacity-based elements in its capital program. An example of a maintenance-based project is replacing pipes or manholes that are difficult to access for maintenance, or replacing a pump station component that is difficult to repair. In such cases, a capital project eliminates the need for costly or risky maintenance.
- The District uses Innovyze as its CMMS software. As they conduct cleaning in the field, they record how much debris is collected within each line. If there is a large amount of debris observed, the cleaning frequency is increased in the CMMS software, and vice versa. The District actively uses this CMMS software in its adaptive approach to capital project prioritization.
- As a result of its capital program over the last decade, the District has observed a reduction in rainfall-dependent I&I in the District overall. However, groundwater-dependent I&I has increased in some areas. More information is available in this [2023 report from West Yost](#).

Next Meeting: August 2023, Topic TBD