



Asset Management Info Sharing Group Agenda

Wed, May 25, 2016, 11:00 am – 1:10 pm
DSRSD

****Please e-mail the Chair, Dana Lawson, at dlawson@centralsan.org to be added to the email list for future meetings.****

Meeting Notes

ADMINISTRATION

1. Introductions – Dana Lawson, Neil Meyer (CCCSD); Aaron Johnson, Judy Zavadil (DSRSD); Dillon Cowan (EBMUD); Rochelle Farlow, Saeed Shams (City of San Jose); Andy Hall, Nga Huynh (City of Livermore); Kim Lin (CCWD); Felicia James, Robb Grantham (Carollo Engineers); Lani Good (West Yost)
2. Announcement - Dillon Cowan is now the Co-Chair

PRESENTATION

3. RIVA software as a tool for long-term capital budgeting, Felicia James with Carollo Engineers
 - Overview on WSSC, water and wastewater
 - Objectives – repair vs. replacement analysis, optimize operations and/or maintenance, plan for end-of-life in Capital Improvement Plan
 - Budget requests to balance risks and priorities, develop failure projections, understand consequence of “do-nothing”
 - Provided screenshots of RIVA for state of assets by installation date, material type; screenshots of level of service tracking by normalized point breaks per year projection
 - Can be updated annually
 - Develop recommendations for infrastructure improvements; if/then scenarios (i.e. to maintain defined LOS what is annual investment, if budget decreased how does it affect LOS)
 - Inputs include asset registry and condition data (from CCTV and/or CMMS) to evaluate structural versus maintenance problems, develop rehab plan which could include CCTV, increased maintenance, spot repair, replacement, etc.
 - Potential to evaluate resources and reassign to higher risk assets
 - Also used for above-ground assets (i.e. treatment plant and pumping stations)
 - Cons: licensing cost, complex, highly configurable
 - Pros: highly configurable, if/then scenarios, includes rehab cycles (not just next recommended action)
4. Building a rehab/replacement model for DSRSD’s WWTP assets, Lani Good with West Yost
 - Preliminary Legwork
 - realign treatment plant hierarchy – leveraged recent masterplan work that developed existing flow schematics; defined process, system, sub-system, component, assembly
 - classify assets
 - fill data/inventory gaps – ensured major assets were included in the inventory, obtained installation dates, basic attribute information (such as

- size)
 - all information stored in an MS Access database created by West Yost; DSRSD will reconcile CMMS inventory later
- Rehab & Replacement Model
 - Developed unit cost formulas by asset type
 - Assumed %% multiplier for replacement cost (e.g. XXX% * asset cost)
 - Age based evaluation only
 - Focused on structural and mechanical (not smaller instrumentation assets, electrical distribution system, general facility assets like buildings and sitework)
 - Model provided big picture to communicate with management and staff
- Next Steps
 - expand model to electrical system
 - include condition data

DISCUSSION

- CCWD recently issued an RFP for development of an asset management improvement plan
- City of San Jose recent updated their CMMS (Infor) to the most recent release
- CCCSD completing migration from Geomedia (obsolete GIS) to ESRI; web mapping application in beta-testing in-house; also in the midst of migrating from existing CMMS (Accela and Mainsaver) to Cityworks; expect to “go live” with collection system and fleet by late August, then treatment plant and pumping stations by end of the year

SUGGESTIONS FOR FUTURE AGENDA ITEMS

- Lani attended a project management/asset handover presentation by Sac Regional at CWEA that may also be of interest to this group at a future meeting

NEXT REGULAR MEETING

- Aug XX, 2016 at TBD with a presentation by David Stoops (EBDA) on Estimating Long-Term Capital Budgets

ADJOURNMENT 1:10PM