



Cooperative Public Agencies of Washington County Minutes for September 21, 2017

Members Present:

Chair, Vance Walker, City of Tigard
Mark Crowell, City of Cornelius
Dave Willer, City of Forest Grove
Secretary, Julia Erickson, City of Hillsboro
Bert Olheiser, City of Tualatin

Mel Schultz, City of Beaverton
Teri Cunningham, City of Beaverton
Jim Bateman, City of Lake Oswego
James Vitko, Clean Water Services
Ken Schlegel, Washington County

Chair Vance Walker called the meeting to order at 9:13am. The meeting was held at the City of Tualatin, 10699 SW Herman Rd, Tualatin OR 97089

Host Presentation:

Bert Olheiser gave a presentation regarding “SmartCover Systems”, which is a flow monitoring device for sani systems. The device is mounted on the underside of a manhole cover to provide real-time monitoring of flow in the system, and send an alert if there is danger of an overflow. The device can detect I&I in a system, provide data for optimizing cleaning schedules and prioritizing Capital Projects. The SmartCover systems work with the Iridium Satellite Network and ground stations to provide continued communication, as opposed to relying on cell phone towers which are subject to failures. Due to the ability to receive advance notifications, agencies who’ve installed the system have noted significant decreases in overflows, and well as substantial decreases in expenses involved in excessive line cleaning, as well as overflow response and clean-up costs.

Bert mentioned that the City of Tualatin has one SmartCover monitor in place in a wetland area that is difficult to access for monitoring. Due to issues with that particular line, they were having to perform visual inspections on a monthly basis. With the SmartCover monitor in place they have been able to eliminate the monthly inspections. The monitor has been in place for just over one year, and has been functioning well. They receive graphs of flow levels within the line, with the graph being updated every 15 minutes.

The initial cost of one monitor, including purchase price, installation, and staff training was \$5500. Satellite access fees are \$859 per year. Battery life is about two to three years. Battery replacement costs of \$400 are not included in the annual fees.

The units may be moved from one manhole to another. However, the sensor would need to be reset with the satellite system with each new location.

James, with Clean Water Services, indicated they have similar portable monitoring units and would be willing to assist agencies with I&I studies as needed.

Financial Report:

No report this month. See Old Business for update on the Co-op's financial status.

COMMITTEE REPORTS:

Fleet:

Craig Crawford absent – no report given

Mark Crowell asked if any of the agencies were experiencing issues with the newer diesel vehicles, such as vactors and sweepers. They are finding that if the vehicle is not routinely driven over 40 miles per hour, the system will shut itself down and perform a "regeneration" which self-cleans the filter system. This may take anywhere from ten minutes to an hour. A couple of the agencies experienced similar issues. However, most receive an advance warning and are able to arrange schedules so the "regen" is performed during a lunch break, or crew meetings. Mel indicated that Mark could send him an email and he will discuss this issue with his fleet mechanic. They work on diesel equipment and may be able to assist.

James mentioned that they experience issues with equipment using the DEF systems having increased breakdowns and repair needs.

Per discussion, with the costs and added weight of new emissions equipment, many are reverting back to purchasing equipment with gas engines.

RDPO Update:

Keith Lewis absent – no report given

Storm/Sanitary:

James mentioned that CWS will host next month's meeting at the City of Hillsboro. As part of this meeting, tours of the new processing facility off Evergreen Rd will be provided. If agencies have crew members who would like to tour the facility, they will need to be at the City of Hillsboro's Public Works Office at 9:00am for the first tour. The meeting attendees will be offered a separate tour at the close of the meeting.

Spring Workshop:

Vance will schedule a committee meeting in October to begin planning next year's conference. He will also send an email to member agencies to recruit participants in the planning process.

Old Business:

- Vance recently contacted area CPA's regarding the process of establishing the Co-op as a non-profit. The process seems fairly simple. Vance and Ken will be meeting with a CPA next week for further information. Of note, the group will need to elect a Treasurer for this purpose. Julia will assist Vance with obtaining the current Financial

Report for this meeting. Vance will send an email to member agencies to ask if anyone would be interested in serving as the Treasurer.

- We are in the process of updating agency vehicle and equipment lists. Keith submitted a draft copy of Washington County's list for formatting reference. Agencies are asked to update their vehicle/equipment lists and submit them to Keith Lewis. Vance will send a reminder email to member agencies. Once the information is compiled, it will be uploaded to the CPAWC website.

Agencies will also need to provide a separate list of vehicle/equipment for snow and ice removal.

- Ken mentioned that there are personal phone numbers on the emergency contact list posted on the website. Sharon Gray is in the process of updating this list. She will let members know not to provide personal numbers if they don't want them posted.

New Business:

- No new business

Topic of the Month: The group discussed their recent experiences with their pavement management programs:

- The City of Tigard utilized an AR Rubber type chip seal product in an area in which the asphalt was too far deteriorated for a slurry seal, yet traffic use did not justify an overlay. The product is a thick emulsion that acts as a bonding agent. The process involves the use of 3/8" aggregate, with a fog seal on top. The product applied well. However, a few residents complained about the rough surface. After a year, they will apply a slurry seal, which will smooth out the surface. This process is significantly less expensive than an overlay, even with the two separate applications involved. The product has an approximate 10-12 year life expectancy. Vance said the take-away from this program would be to provide additional outreach to residents in regard to the process.
- Bert mentioned the increased number of ADA ramps needing to be replaced in coordination with the pavement program. Good communication with residents in regard to the impact on adjacent landscaping is advisable.

CPAWC AT WORK:

Equipment Sharing:

- Tigard
 - Pat Hoff, Arborist for the City of Beaverton, assisted Tigard with an arborist report in working with a tree service in regard to some concerns.
 - Beaverton borrowed Tigard's bucket truck
 - Tualatin Hills Parks & Rec borrowed Tigard's bucket truck
 - Borrowed a flail mower from Lake Oswego
- Forest Grove
 - Loaned a mini-excavator to ODOT
 - Loaned plug planting tools to Clean Water Services
- City of Cornelius
 - Borrowed reader boards from Washington County
 - Assisted City of Banks with a couple water leak repairs

- ODOT parks their trailer at Cornelius's yard
 - Hillsboro Water decants vector debris at Cornelius prior to hauling for disposal
- Clean Water Services will be hosting next month's meeting at the City of Hillsboro's site.
- Washington County
 - Ken Schlegel was sent to assist Brookings with emergency management during the recent wildfire. Ken also served as a liaison with their EOC, and assisted with planning for the upcoming rains.
- City of Beaverton
 - Borrowed reader boards from City of Tualatin
 - Borrowed manhole risers from City of Tigard
 - Loaned a roller to Tualatin Hills Parks & Rec
 - Borrowed a bucket truck from City of Tigard
 - Provided a vector dump site for Tualatin Hills Parks & Rec
- Per discussion, with equipment frequently loaned to ODOT, Vance will contact Cory Hamilton to ask if ODOT would like to become a member of the Co-op.
- Lake Oswego recently rented a "Harley Rake" for the front of a skid steer. This machine was used to grind and simultaneously grade alley surfaces. Jim stated the machine worked extremely well, and they are considering budgeting for purchase a unit. Mark stated that Cornelius uses asphalt grindings for in-fill on alley surfaces.

The meeting was adjourned at 11:15am.

Next Meeting:

October 19, 2017
 Clean Water Services
At City of Hillsboro
 4415 NE 30th Ave
 Hillsboro OR 97124