

**Water Commission Mtg.  
December 14, 2022**

**Present:** Council Member Laura Cavey, Commissioners Todd Warnke, John Wright, Kathryn Gienger, Kevin McHugh, Bill Leung, David Hammelman, and Tony Rathbun

**Absent:** NA

**Guest:** Caryn Johnson

**Staff:** Mark Marlowe, Nichol Bussey, and Maryjo Woodrick.

**Visitors:** None

**Start:** 6:00 pm

**End:** 7:30 pm

**Council Report**

Time was allowed for Council Member Cavey to share an update on Town Council items.

**Commissioner Comments**

Time was allowed for Commissioner Comments.

**Approval of the October 26, 2022 Meeting Minutes**

It was moved by Kevin McHugh and seconded by John Wright to approve the meeting minutes for the October 26, 2022 meeting as written. The motion passed 7-0.

**Resolution Waiving Formal Written Bidding Requirements on the Basis of a Sole Source with PSI Water Technologies, Inc. for Tanks 17A & 17B Monoclor® Residual Control System [Tanks 17A and 17B in Castle Rock, CO]**

Mr. Gallea explained that this item is for a Monoclor Residual Control System for Tanks 17A & 17B. Between the two tanks Castle Rock Water (CRW) has the ability to store 4 million gallons (MG) but currently is only storing about 400,000 gallons. Due to the water not being used/circulated often enough, the water quality is not very good. In the past when the water quality has been poor the operations team has had to drain the tanks. This makes for a loss of water as well as it causes drainage issues that now have to be addressed.

CRW uses Chloramine as a disinfectant. Chloramine is a combination of Chlorine and Ammonia. Too much Chlorine can change the chloramine formation which will lead to taste and odor issues. Too little Chlorine will result in an excess of ammonia which will result in nitrification. Either option is not good for the water system.

This system monitors the water quality. When the quality reaches the limits set by staff, the system will add chlorine or ammonia as needed to balance it back out. The complete package includes: a shed, smart control center, hypochlorite storage tank, liquid ammonium sulfate (LAS) storage tank, water quality station, sample pump, and chemical feed systems. PSI has a patent on the system.

PSI will be supplying the system but they do not do the installation. So Velocity Construction has been selected for the construction phase of the project. The proposed budget is \$428,765 plus a 10% contingency for a total of \$471,641.00 for PSI and \$186,535 plus a 10% contingency for a total of \$195,861 for Velocity. The overall total budget is \$667,502. The schedule for this project is January 2023 through September 2023.

Commissioner Rathbun asked how often the chemicals had to be changed and what the cost for the chemicals will be? Mr. Marlowe explained that it shouldn't be a large amount of chemical each month. The thing staff will need to monitor will be if the chemicals have an expiration date.

***Kathryn Gienger moved to recommend to Town Council approval of the Resolution as presented. Tony Rathbun seconded the motion. Passed unanimously 7-0.***

**Resolution Approving a First Amendment to the Services and Acquisition Agreement with Calgon Carbon for the Plum Creek Water Purification Facility for Additional Granulated Activated Carbon Filter Media [Plum Creek Water Purification Facility in Castle Rock, CO]**

Mr. Marlowe shared that staff brought this item to Water Commission in October. The original schedule planned for completion in April. Staff have been monitoring perfluoro alkyl substances (PFAS) and other forever chemicals. CRW is close to breakthrough so staff would like to expedite the schedule. This amendment would allow for four carbon filters to be replaced now and then the other four shortly thereafter. The project would then be completed mid-February.

The cost of the additional work is \$35,000. This would also allow us to have four volumes of carbon to replace for the filters on stand by for future needs.

Commissioner Hammelman asked if this would help to prevent having to send out any boil notices? It was explained the PFAS does not impact boil water notices but that it would help prevent other potential notices.

***Bill Leung moved to recommend Town Council approval of the Resolution as presented. David Hammelman seconded the motion. Passed unanimously 7-0.***

## **Resolution Approving Amendment No. 1 to the Service Agreement with DRC Construction Services, for the Storm Sewer Video Inspection Services**

Mr. Van Dellen explained that the Stormwater Division is kicking off the first year of storm sewer inspections for the Stormwater system. CRW is doing this in advance of Public Works' (PW) efforts to do annual pavement maintenance.

Every five years PW selects a new area of Town to focus their pavement maintenance on. This is the beginning of a new cycle, and PW will be focusing on the Founders Village area. This project will start with the storm sewer system in Founders and then it will focus on areas that PW will focus on next. The goal will be to video inspect all storm sewer systems in the Town over a 5-year period.

The contractor for this project is DRC Construction. The cost of this project is \$329,093 plus a 10% contingency for a total budget of \$362,000.

Commissioner Gienger asked if the salt used on the roads impacts the storm sewer system? Mr. Van Dellen replied that yes it can cause damage, especially to the metal pipes. The salt can cause corrosion. CRW doesn't have a lot of metal pipes but this will be a great opportunity to take a closer look at those to make sure that they are still good.

Commissioner Rathbun asked if we have worked with DRC before? Mr. Marlowe explained that yes we have worked with DRC before and that they are the current vendor that is doing the new acoustic survey of our sewer collection system.

***Tony Rathbun moved to recommend Town Council approval of the Resolution as presented. Kevin McHugh seconded the motion. Passed unanimously 7-0.***

## **Ordinance Approving an Agricultural Lease Agreement between the Town of Castle Rock with Sublette, Inc. for the Rothe Property [Weld County, Colorado]**

Mr. Marlowe reported that this is property that CRW owns in Weld County. CRW currently is not using the land and Sublette LLC would like to lease the land for their agricultural needs. This is a good opportunity for CRW to work with local landowners and create good will in the area. It is also helpful to CRW as the farmer takes care of the weeds and other maintenance type items.

Sublette would be leasing 640 acres for a 5-year period. The annual amount due for rent will be \$6,225.

***John Wright moved to recommend Town Council approval of the Ordinance as presented. Bill Leung seconded the motion. Passed unanimously 7-0.***

## **Plum Creek Water Reclamation Authority (PCWRA) Rate Increases**

Mr. Rementer shared a presentation on the rate increases for 2023 from Plum Creek Water Reclamation Authority (PCWRA) and how that will affect CRW.

### **Update on Water Court Cases**

Mr. Marlowe shared an update on current Water Court Cases that CRW is involved in.

### **Results from the Water Efficiency Master Plan (WEMP) Survey**

Ms. Bussey shared the results from the Water Efficiency Master Plan (WEMP) Survey.

### **Update on Pine Canyon Project**

Mr. Marlowe shared an update on the Pine Canyon Project.

### **Update on Chatfield Watershed Authority**

Mr. Van Dellen shared an update on what Chatfield Watershed Authority does and the goals of the group for the next year.

### **Upcoming Town Council Items**

This is a standing item that will be used to share information about projects that are being worked on at the time of the meeting but that staff doesn't have information ready yet.

Mr. Van Dellen shared that there will be several items that will be going to Town Council before the next Water Commission meeting. Those items are:

A Resolution Waiving Formal Written Bidding Requirement on the Basis of a Sole Source and Approving an Agreement with Pall Corporation for the Plum Creek Water Purification Facility Pall Membrane Filter Module Replacement Project.

A Resolution Approving a Service Agreement with Olsson for Design Services, for the East Plum Creek/Sellars Gulch Confluence Project.

A Resolution Approving a Service Agreement with Anderson consulting Engineers, Inc., for the Mitchell Gulch Retention Pond Improvements Project

A Resolution Approving a Construction Contract between the Town of Castle Rock and 53 Corporation, LLC For the East Plum Creek Reach 6 Stabilization Project.

A Resolution Approving an Agreement between the Town of Castle Rock and AMC Dawson Trails VIII JV LLC accepting the Judicial Decree for quiet Title to the Water Rights.

## **Commissioner Meeting Comments**

Time was allowed for Commissioner Comments.