



## Colorado City Metropolitan District

### PUBLIC NOTICE

#### BOARD OF DIRECTORS STUDY SESSION

A study session for the Board of Directors of the Colorado City Metropolitan District will be held Tuesday, May 28, 2024, beginning at 6:00 p.m.

1. Tracy Owens from RJH Engineer
2. Enforcement Letter
3. Bid for treating Lake Beckwith
4. Stewart Ranch Up-Date
5. Bid for up grade to sewer plant
6. SDA workshops
7. Letter from Lawyer on Statue change fines for CCACC
8. CCAAC Reviews
9. READING BY CHAIRPERSON OF THE STATEMENT OF CONDUCT AND DEMEANOR.
10. CITIZENS INPUT

#### BOARD OF DIRECTORS REGULAR MEETING

A regular meeting of the Board of Directors of the Colorado City Metropolitan District will be held Tuesday May 28, 2024, beginning at 6:15 p.m.

1. **CALL TO ORDER.**
2. **PLEDGE OF ALLEGIANCE.**
3. **MOMENT OF SILENT REFLECTION.**
4. **QUORUM CHECK**
5. **APPROVAL OF THE AGENDA**
6. **APPROVAL OF MINUTES.**

Regular Meeting May 14,2024

CCACC Minutes May 14,2024

7. **BILLS PAYABLE.**
8. **FINANCIAL REPORT.**
9. **OPERATIONAL REPORT.**
  - a. Beckwith Dam report Inspection completed 5/21/24
  - b. Committee Reports Newsletter Clint

#### **ATTORNEY Report:**

#### 11. **AGENDA ITEMS:**

**Bid for Lake Beckwith**

**Discussion/Action**

**Bid for Sewer Plant**

**Discussion/Action**

#### **CCACC:**

**Discussion/Action**

#### **A. New Construction:**

1. 4861 East Jefferson Blvd
2. 5080 Cuerno Verde Blvd

House  
Garage

B. Actions

- a. 0 First Letters
- b. 0 Second letters
- c. 0 Third letters
- d. 0 Unauthorized Structure

11. OLD BUSINESS. road resolution /Goals and achievement Plan/ Strategic plan/ Finance Director/ northpark update/ Setting up with Little diggers for Valving project/ Community meeting Set for July 23 @ 6:30 PM

13. NEW BUSINESS: June 24, 2024, Meeting with Cody Purcell and Mike Brown from CPW Deer population who would like to assist

14. CORRESPONDENCE :

15. EXECUTIVE SESSION:

16. ADJOURNMENT.

The meeting will be held at the Administration Building located at 4497 Bent Brothers Blvd., Colorado City, CO. 81019. Alternate location if so needed will be at the Recreation Center located at 5000 Cuerno Verde, Colorado City, CO. 81019.

**Colorado City Metropolitan District  
4497 Bent brothers Blvd  
PO Box 20229  
Colorado City, Colorado 81019**

Posted: May 24, 2024

**James Eccher is inviting you to a scheduled Zoom meeting.**

**Topic: Colorado City Metropolitan District Study/Meeting May 28,2024**

**Time: May 28, 2024 06:00 PM Mountain Time (US and Canada)**

**Join Zoom Meeting**

**<https://us02web.zoom.us/j/83998199239?pwd=SmNuQks1WjVJUzVDVnIDMHI4aVY2QT09>**

**Meeting ID: 839 9819 9239**

**Passcode: 636281**

**One tap mobile**

**+17193594580,,83998199239#,,,,\*636281# US**

**+12532158782,,83998199239#,,,,\*636281# US (Tacoma)**

**Dial by your location**

**• +1 719 359 4580 US**

**• +1 669 444 9171 US**

**• +1 253 205 0468 US**

**• +1 309 205 3325 US**

**• +1 360 209 5623 US**

**• +1 386 347 5053 US**

**• +1 507 473 4847 US**

**• +1 564 217 2000 US**

**Meeting ID: 839 9819 9239**

**Passcode: 636281**

**Find your local number: <https://us02web.zoom.us/j/83998199239?pwd=SmNuQks1WjVJUzVDVnIDMHI4aVY2QT09>**



## COLORADO

Department of Public  
Health & Environment

Dedicated to protecting and improving the health and environment of the people of Colorado

May 22, 2024

PWSID # CO0151200

James Eccher, Administrator  
Colorado City Metropolitan District  
PO Box 19202  
Colorado City CO 81019-0202

### **Compliance Advisory - Enforcement Order DW.09.23.151200 Incomplete Response to Comments on the Supplier's Funding Plan**

On September 27, 2023, the Colorado Department of Public Health and Environment ("Department") issued Enforcement Order Number DW.09.23.151200 ("2023 Order") to Colorado City Metropolitan District ("Supplier") for its drinking water system ("System"). The Order was issued as a result of the Supplier's failure to comply with the previously issued Enforcement Order Number DW.03.18.151200 ("2018 Order") and failure to comply with the total trihalomethanes ("TTHM") maximum contaminant level ("MCL") and haloacetic acids ("HAA5") MCL requirements of 5 CCR 1002-11, the Colorado Primary Drinking Water Regulations ("Regulation 11").

On March 22, 2023, the Department provided comments on the Supplier's funding plan submitted in response to paragraph 98 of the Order. Pursuant to paragraph 105 of the Order, the Supplier was required to respond in writing within 30 calendar days, by April 21, 2024, to make any necessary corrections and resolve all of the Department's comments.

On April 19, 2024, the Supplier submitted written responses to the Department's comments. The Supplier's response did not fully resolve the Department's comments but notified the Department that the Supplier needs to gather more information from multiple funding programs in order to fully resolve the Department's comments. As noted in the Supplier's response, and as discussed in a meeting with the Supplier on May 14, 2024, the Supplier is working on revising the funding plan to resolve the Department's comments. Additionally, during the May 14, 2024 meeting, the Supplier notified the Department that it is engaging with a US Environmental Protection Agency ("EPA") Technical Assistance provider to assist the Supplier in finalizing its multi-program funding plan.

The Department acknowledges that finalizing the Supplier's funding plan has been challenging due to the complexity of co-funding the project with multiple funding programs. For this reason, the Department would prefer to allow the Supplier more time to work with the EPA Technical Assistance provider before commenting any further on the Supplier's funding plan.

**To return to compliance with paragraph 105 of the Order, the Department hereby requires that the Supplier submit a revised funding plan by July 1, 2024.**



Paragraph 110 of the 2023 Order notified the Supplier that, to encourage the Supplier to cease violations and return to compliance as quickly as possible, the Department held a portion of the assessed penalty in abeyance. The Supplier was notified that the Department was holding \$52,854.80 of the administrative penalty in abeyance if the Supplier met the following conditions:

- \$13,213.70 of the assessed penalty is held in abeyance if the Supplier complies with the requirements and deadlines in paragraph 97 of this Order (submit a complete drinking water design application for System improvements).
- \$13,213.70 of the assessed penalty is held in abeyance if the Supplier complies with the requirements and deadlines in paragraph 105 of this Order (if provided with comments, resolve Department comments within 30 days).
- \$13,213.70 of the assessed penalty is held in abeyance if the Supplier complies with the requirements and deadlines in paragraph 102 of this Order (complete construction of System improvements).
- \$13,213.70 of the assessed penalty is held in abeyance if the Supplier complies with the requirements and deadlines in paragraph 103 of this Order (ensure that all personnel are trained on SOPs and that SOPs are implemented).

Department records document that the Supplier has failed to abide by the conditions of the abeyance because it failed to fully resolve the Department's comments on the funding plan within 30 days. At this time, the Department has decided to continue holding the \$13,213.70 portion of the penalty in abeyance. The Department advises the Supplier that the Department may decide to remove the abeyance for failure to meet the conditions of the penalty abeyance.

Failure to comply with the requirements of the Order constitutes a violation of the Order. As advised in the Order, under section 25-1-114.1 of the Colorado Revised Statutes, violators of the Regulations or final Enforcement Orders issued by the Department are subject to civil or administrative penalties of up to one thousand dollars (\$1,000.00) per violation per day, to be imposed by the Department or a State District Court.

If there are any questions regarding the enforcement requirements, please contact Ben Keilly by phone at 720.507.7761 or via e-mail at [ben.keilly@state.co.us](mailto:ben.keilly@state.co.us).

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Scott Cowan, Pueblo City-County Health Department, [scott.cowan@pueblocounty.us](mailto:scott.cowan@pueblocounty.us)  
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Michael Landis, Colorado Department of Law, [michael.landis@coag.gov](mailto:michael.landis@coag.gov)

File: CO0151200, PUEBLO COUNTY, COMMUNITY - SURFACE WATER



**Colorado Pond and Lake, LLC**

11995 Evergreen Rd  
Conifer, CO 80433  
+17578975149  
sales@copondandlake.com  
www.copondandlake.com



**Estimate**

ADDRESS  
Gary Golladay  
Colorado City Water Treatment Plant

ESTIMATE 1587  
DATE 05/23/2024

PRODUCT / SERVICE	QTY	RATE	AMT
<b>Seasonal Resource Agreement</b> Spot Treatment of filamentous algae and water buttercup in Beckwith Reservoir. Main areas are the inlet, near shoreline, and around the islands. Active ingredients will include diquat dibromide and copper ethanalamine complex	1	4,695.45	4,695.45

- Visits performed by a Qualified Supervisor for aquatic pesticides with Colorado Department of Agriculture
- Necessary EPA approved algaecides, herbicides, and probiotics are included
- Includes travel and labor
- Licensed and insured

SUBTOTAL	4,695.45
TAX	0.00
<b>TOTAL</b>	<b>\$4,695.45</b>

Accepted By

Accepted Date







**A Squared Instruments and Controls**

4420 Rocksbury Lane  
 Johnstown, CO 80534  
 +1 3037101569  
 jarends@asquaredcontrols.com

Estimate

ADDRESS  
 Colorado City  
 4497 Bent Brothers Blvd  
 PO Box 20229  
 Colorado City, CO 81019

ESTIMATE E024-002  
 DATE 01/01/2024  
 EXPIRATION DATE 02/01/2024

DATE	ACTIVITY	DESCRIPTION	QTY	RATE	AMOUNT
02/01/2021	Parts	40.0 HP Eaton DG1 Series NEMA 1 Enclosed Variable Frequency Drive   400 -- 480 VAC 3 Phase Input   480 VAC 3 Phase Output   61.0 Amps	6	7,759.24	46,555.44
02/01/2021	Parts	Wiegmann KwikHinge series enclosure, NEMA 3R/4/12, 74 x 60 x 24in (HxWxD), floor mount, carbon steel, ANSI 61 gray, powder coat finish, 2-door, 3-point keylocking/padlocking combo handle.	2	6,789.00	13,578.00
02/01/2021	Parts	3x4 inch rigid conduit 10' lengths	60	44.98	2,698.80
02/01/2021	Parts	Conduit fitting, elbows, seal tight, etc	2	750.00	1,500.00
02/01/2021	Parts	Misc part to build VFD enclosure. Panduit, terminal blocks, fuses, enclosure vents ECT	2	1,800.00	3,600.00
02/01/2021	Parts	10 AWG Wire for between enclosure to MCC per foot	3,000	2.00	6,000.00
02/01/2021	Parts	Eaton pilot light. Red, Green, Amber, 3 position selector (HOA) switch	24	330.58	7,933.92
02/01/2021	Parts	Eaton DG1 VFD remote keypad holder	6	169.25	1,015.50
02/01/2021	Labor Hours	Hours to build the vfd cabinets, test, install and startup on site. Run conduits from VFD enclosures to MCC	200	110.00	22,000.00
02/01/2021	Labor Hours	Helper on site to hang cabinets and run conduits	90	65.00	5,850.00

02/01/2024

Sales

16AWG wire for cabinet wiring with  
wiring labels

500

3.00

1,500.00

This is a budgetary estimate only. Exact pricing would be listed in the contract that is prepared for this  
purchase.

SUBTOTAL

112,231.66

TAX

0.00

TOTAL

**\$112,231.66**

Accepted By:

Accepted Date:

# Colorado City Metro Wastewater

Wastewater Treatment

Energy Efficiency Assessment

February 2022



Energy Efficiency Assessment

Provided By: Kelvin (Kelly) Stone, Energy Efficiency Technician  
Colorado Rural Water Association

## EXECUTIVE SUMMARY

*Electric bill savings \$9,750 annually  
with payback within 16 years*

## Project Overview

*Colorado Rural Water Association has implemented a program to assist water and wastewater utility systems by evaluating them to help lower energy consumption costs. This energy efficiency assessment considers current and past energy use, identifies the primary energy consuming components, and identifies methods to lower energy use and costs.*

*Important Note: Costs listed in this report only include estimated costs of an item recommended for replacement. Costs for items like labor and additional misc. supplies necessary to install or implement these items are not considered in this report and could substantially increase the costs of these estimates.*

*True estimates will need to be acquired by professionals in the industry to acquire actual project costs. This assessment is only intended to highlight potential areas of savings opportunities.*

*The energy efficiency technician, Kelvin (Kelly) Stone, with Colorado Rural Water Association (CRWA) completed this Energy Efficiency Assessment Report in February 2022. This Energy Efficiency Assessment (EEA) report identifies potential energy saving equipment upgrades, projects, or recommendations to save energy. Cost Benefit analysis and a list of potential funding sources are included. The results and explanations are provided throughout this document.*

*For additional information regarding this report, please contact Kelvin Stone, EET at 719-621-8169.*

## **Energy Efficiency Assessment Summary Report**

*Kelvin Stone, Colorado Rural Water Association Energy Efficiency Technician (CRWA-EET), completed this Energy Efficiency Assessment (EEA) in February 2022. Many Energy Efficiency Assessment program tools and software were used to determine a list of recommended energy saving improvements.*

*For additional information regarding this EEA report, please contact Kelvin (Kelly) Stone, Energy Efficiency Technician (EET) at 719-621-8169.*

*Greg Bailey, Wastewater Manager for Colorado City Metro Wastewater assisted in providing information needed to complete the EEA report. Every effort was made to make this report accurate and complete. This report is for the Colorado City Metropolitan District to assist them in saving energy as well as cost savings on the electric bill.*

### Executive Summary of Potential Energy/Money Savings

This Executive Summary provides the estimated cost of upgrades, potential annual energy/money savings, payback period, return on investment, and rebates. There are various financing mechanisms available to systems. Savings can be used toward paying for improvements over a period of years. These savings are described in the Summary of Potential Energy Cost Savings provided below.

### Projects and Paybacks Table

#### Recommended Energy Saving Improvements

Improvements	project cost	Energy Savings	Rebate	Amount Funded	Payback (Years)
*Install VFD on each WWTP motor	\$2,500	\$1050	\$450	\$1500	2
*Install Premium High Efficiency (PHE) motors upon failure/replacement	\$3,100	\$600	\$100	\$3000	5
Insulate each building and seal doors	\$200	\$100	-	\$0-	2
Install Solar Array	\$130,000	\$8,000		\$130,000	16
<b>Total Savings/Year</b>		<b>\$9,750</b>			

\*Based on individual PHE motor replacement/VFD installation.

At a future date, further assessment of operational changes to minimize motor runtime (reduction of aeration and/or slower transfer pumping) may be accomplished to determine actual reduction in energy consumption and energy cost savings:

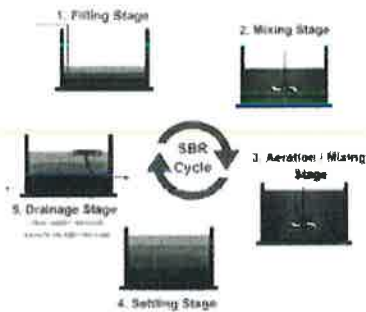
	Pre Assessment	Savings
Total Energy Consumption (kWh)	280,209	
Correct energy rate (\$)	0.12	
<b>Total Energy Costs (\$)</b>	<b>\$40,319</b>	

System Overview

Colorado City Metropolitan District is a statutory metropolitan and political subdivision of the State of Colorado that encompasses an unincorporated area, located 10 miles South of Pueblo. The population served is approximately 200. The Colorado City Metro Wastewater Treatment Plant (WWTP) is an Sequence Batch Reactor (SBR) treatment system servicing approximately 104 sewer taps. Wastewater from sewer taps are collected and gravity flow from the collection system to the WWTP. The WWTP SBR system includes the equipment listed below. Following are WWTP energy related equipment:

EQUIPMENT INFORMATION							
Number	Type (pump/motor)	HP (rating)	Voltage	Rate	Duration (ie 24/7)	Age (yrs service *)	Efficiency (%)
6	blower/motor	40	240	540cfm	**cycled	7	90
3	effluent pump/motor	6	240	340gpm	**cycled	7	
2	sludge pump/motor	3	240	152gpm	**cycled	7	
2	decant pump/motor	3	240	160gpm	**cycled	7	
2	WAS pump/motor	3	240	100gpm	**cycled	7	
	decant basin (35000gal)			1200gpm	per cycle		

\*Note: Replaced 4 blowers (age approx. 2 years), replaced 2 blower motors (approx. 2 years)  
 \*\*Cycled (Fill/Aerate, Settle/Decant)



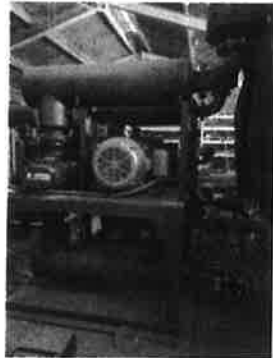
Wastewater gravity flows with controlled flow from headworks into SBR basins. Blowers located in the insulated blower building provide air flow to basins for aeration (shown below).

There are four stages in the treatment process:

1. Fill
2. React
3. Settle
4. Decant

Original Blowers, and pumps are at least 7 years old, with four 2yr old replaced blowers and two 2yr old replaced motors. Motor efficiencies are provided below:

Treatment is biological followed by disinfection. Blower VFD controls are currently installed allowing speed control.

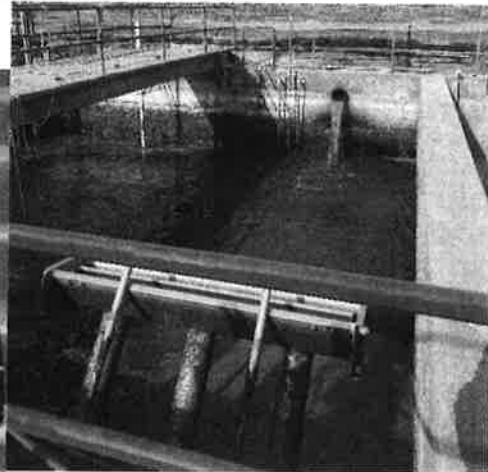


6 Gardner Denver blowers  
(2 newer units)



5 'flight' transfer pumps  
(decant, effluent and  
Sludge, WAS pump)

Newer (2yrs) motor NEMA efficiency 94.1%, with mostly older (7+yrs) efficiency motors below 90%



Observations and identified opportunities:

Optimization of speed control for all motors to reduce energy consumption would reduce energy cost, while maintaining water quality. Testing/adjustment of cycle aeration time would be required to ensure adequate aeration/treatment. Purchase/installation of dissolved oxygen (DO) measurement equipment (and manual verification portable meter/probe) is recommended to enable DO testing as necessary to monitor oxygen levels. Adjustment of aeration schedule, minimizing to reduce energy cost while ensuring adequate aeration and water quality. Pumps/motors are not currently controlled by Variable Frequency Drives (VFD). Savings are typically in excess of 15% upon installation/use.

### Electric Bill Assessment

The electricity rates are at 0.12/kW-hr (off-peak) and 0.15/kW-hr (on-peak).

Site electricity usage/cost is approximately 280,209 kWh, for total of \$40,319/year.

#### **Colorado City Electric Billing 2021**

Month	Usage (kWh)	Cost(\$)		
Dec	23,461	\$3,412		
Jan	28,431	\$4,128		
Feb	30,897	\$4,407		
Mar	31,042	\$3,980		
Apr	29,756	\$4,311		
May	29,201	\$4,230		
Jun	19,964	\$2,923		
Jul	15,753	\$2,349		
Aug	16,462	\$2,452		
Sep	15,722	\$2,338		
Oct	19,692	\$2,885		
Nov	19,828	\$2,909		
<b>Totals:</b>	<b>280,209</b>	<b>\$40,319</b>	<b>8406</b>	<b>\$1,009</b>

**Movable 'on peak' aeration (kWh) \$savings**

Review of electrical billing history, including demand charges, 'on peak'/'off-peak' usage (kWh) and potential cost reduction enables optimized aeration/pumping and determination of minimum energy charge/usage.

Billing review indicated 'time-of-use' rate with increased rate for 'on-peak' (0.15/kWh) compared to 'off-peak' (0.12/kWh). Movement of necessary pumping outside 'on-peak' time periods will reduce energy charges when it is practicable. Initial calculations indicated potential for saving 8406 kWh for savings of \$1,009. Further investigation and operational change will be necessary to determine savings.



Energy Efficiency Observations/Opportunities:

Buildings:

Insulate and winterize/seal buildings located at the wastewater treatment complex to reduce heat-loss and lower energy cost.

Recommendation: Replacement of older inefficient motors/pumps.

Recommend motors be upgraded to premium high efficiency motors when they fail, repaired or at the earliest practicable time.

For example, the savings by installing a 94% efficient 20hp motor would be \$103 savings:

*Installation of Premium High Efficiency Motors to reduce energy cost.*

**5. When is an energy-efficient motor cost effective?**

The extra cost of an energy-efficient motor is often quickly repaid in energy savings. As illustrated in Table 2, each point of improved motor efficiency can save significant amounts of money each year. In typical industrial applications, energy-efficient motors are cost effective when they operate more than 4000 hours a year, given a 2-year simple payback criterion. For example, with an energy cost of \$0.04/kWh, a single point of efficiency gain for a continuously operating 50-hp motor with a 75% load factor saves 4079 kWh, or \$163 annually. Thus, an energy-efficient motor that offers four points of efficiency gain can cost up to \$1,304 more than a standard model and still meet a 2-year simple payback criterion. A utility rebate program would further enhance the benefits of an energy-efficient motor.

**Table 2**  
Annual Value of a One-Point Efficiency Gain (Based on \$0.04/kWh, 6000 Hours of Use, Full Load)

Horsepower	Annual Savings
5	\$17
10	\$32
20	\$61
50	\$142
100	\$278
200	\$537

Whenever possible, obtain actual price quotes from motor distributors to calculate simple paybacks. Motors rarely sell at full list price. You can typically obtain a 20% to 60% discount from vendors, with specific prices depending on the distributor's pricing policies, the number and type of motors you buy, and fluctuations in the motor market. Comparison shop when purchasing motors. The following three techniques can help you determine whether an energy-efficient motor is cost effective:

1. Use the MotorMaster or Windows-based MotorMaster+ software program to calculate the dollar savings and simple payback from using a more efficient motor, taking into account motor size, price, efficiency, annual hours of use, load factor, electricity costs, and utility rebates. MotorMaster can be used to analyze

Premium Efficiency Motors:

<i>Current Motor</i>	<i>vs</i>	<i>Premium Eff Motor</i>	
<b>Initial Cost Lifecycle Difference at Construction or Replacement</b>			
Motor HP	20	Motor HP	20
Motor Eff	89.5%	Motor Eff	91.7%
Elec Cost	0.09034	Elec Cost	0.09034
Hrs per day usage	4	Hrs per day usage	4
Cost Per Hr to Run	\$ 1.51	Cost Per Hr to Run	\$ 1.47
Days of Year Run	365	Days of Year Run	365
kWh per Yr	24339	kWh per Yr	23755
Cost Per Yr to Run	\$ 2,198.76	Cost Per Yr to Run	\$ 2,146.01
		<b>Potential Yearly Savings in Elec</b>	<b>\$ 53</b>
		<b>Potential Yearly Savings in kWh</b>	<b>\$ 584</b>
Current Replacement Cost	\$ 1,970.00	Prem Replacement Cost	\$ 2,922.00
		<b>Years to Return Extra Cost</b>	<b>18.0</b>
		Expected Life of Motor	20

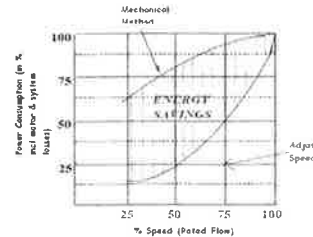
**Total Expected Elec Savings for Lifecycle if Replaced At Initial Construction**

**\$ 103.02 min**

## WWTP Motors: Variable Frequency Drives (VFD's)

This graph shows energy savings

by adding a VFD to slow down pumping rates



This graph above shows savings expected by using a VFD on a 15 HP pump as an example. This graph can be applied to any of the sites where VFD control is to be installed. The following example of a calculated horsepower shows the savings if the motor was running half the time. This is based on the motor running 4300 hours/year.

Note: SBR operation requires batch cycling during the 'aeration' stage, but can be approximated here.

Normal operating costs of the example 15hp motor is shown here:

$15 \text{ (x) } .746 \text{ (x) } 4300 \text{ hours/year (x) } .14 \text{ kw/hr.} = \$6,736/\text{year.}$

Actual cost based on Colorado City WWTP billing information is \$40,319/year.

**Recommend Installing a VFD on each motor (blower/pump/motor):**

VFD purchase/installation will enable operation at lower speed/higher efficiency. Lowering speed may require adjustment to SBR cycle time, and assurance of minimum aeration (blowers) and extension of transfer time, but will reduce overall energy costs.

Installing a VFD on manually controlled motors allows the operator many advantages as shown below besides saving at least 15% or as shown here  $.15 \text{ (x) } \$40,000$  is approximately an annual savings of \$6,000/year.

### **Advantages to installing VFD**

- Lower electric bill
- Provide more operator control of aeration/mixing/pumping rates
- Assured water quality (based on testing) due to increased flexibility in aeration rates and optimum energy consumption.
- Increase life of the existing motor and related equipment by reducing easing startup, which decreases bearing wear.

**Recommend Installing a Premium Efficient Motor on WWTP Equipment (blowers/mixers/pumps):**

Installing a Premium Efficient Motor will result in 5% energy savings, or a potential savings of \$400/year per installation.

Currently, two blower motors have been replaced within 2 years, and most other motors are at least 7 years old with lower than 'premium high efficiency' (PHE) rating. Recommend replacement of older motors upon failure/maintenance operations to begin higher efficiency and lower cost operation.

***Additionally, minimizing simultaneous startup of motors (blowers/pumps) may reduce demand charges.***

## Energy Efficiency Observations and Recommendations

The system's Operations Specialist mentioned the increase in operation costs of SBR and asked about the best option for reducing annual costs. Installation of VFD control is expected to provide substantial savings. Additionally, installation of a Solar Array System would offset energy costs.

Available land would be adequate install a 40 kW solar panel system. Installation of solar panel system would offset the annual electric, natural gas costs and expense of sludge hauling associated with the SBR WW system. It is estimated that the addition of a solar array system could save the system \$8,026 annually and an energy savings of 66,890 kWh.

## Example of Solar Array System – Location: Town of Fowler CO



## Evaluation of Solar Array System -

## Example calculation of Solar Array system output and cost potential

### RESULTS

Print Results

**66,890 kWh/Year\***

\*System output of 66,890 kWh/Year based on 40 kW system with 10% loss for location. Data HERE for 10% LOSS.

Month	Solar Radiation (kWh/m <sup>2</sup> /day)	AC Energy (kWh)	Value (\$)
January	4.33	4,353	522
February	5.30	4,866	584
March	6.17	6,101	732
April	6.79	6,256	751
May	7.13	6,735	808
June	7.21	8,313	758
July	7.23	6,489	776
August	6.80	6,084	730
September	6.54	5,875	705
October	5.65	5,295	635
November	4.67	4,544	545
December	3.94	3,998	480
Annual	5.98	66,889	\$ 8,026

### Location and Station Identification

Requested Location	colorado city, co
Weather Data Source	Lat, Lon: 37.97, -104.82 1.2 mi
Latitude	37.97° N
Longitude	104.82° W

### PV System Specifications (Commercial)

DC System Size	40 kW
Module Type	Standard
Array Type	Fixed (open rack)
Array Tilt	20°
Array Azimuth	180°
System Losses	14.08%
Inverter Efficiency	95%
DC to AC Size Ratio	1.2

### Economics

Average Retail Electricity Rate	0.120 \$/kWh
---------------------------------	--------------

### Performance Metrics

Capacity Factor	19.1%
-----------------	-------

## Sources of Funding

### *Loans and Grants*

- State Revolving Fund Grant
- State Revolving Funds
- National Rural Water Association
- Rural Development
- More upon request

### Contact CRWA for funding assistance:

176 West Palmer Lake Drive

Pueblo West, CO 81007

(719)545-6748

The NRWA Rural Water Loan Fund was established under a grant from USDA/RUS to provide financing to eligible utilities for pre-development costs associated with proposed water and wastewater projects. RWLF funds can also be used by water/wastewater systems for short-term costs incurred for replacement equipment, small scale extension of services, or other small capital projects that are not part of regular operations and maintenance.

Priority is given to energy efficiency upgrades to reduce costs and increase rural system sustainability.

Many facilities have already participated in the rural development (RD) programs offered by the USDA. The money is broken up into direct and guaranteed loans, grants, and loan/grant combos. Grants are typically awarded based on need and population.

*Mission Statement*

Colorado Rural Water Association's mission is to provide professional training, technical assistance, and political representation to rural and small communities as they endeavor to maintain industry standards, meet regulatory deadlines, and attain multi-level certifications of their water and wastewater system operators.

*Thanks to Colorado City*

I would like to thank James Escher, District Manager and Greg Bailey, Wastewater Manager for Colorado City Metro Wastewater District, and his staff for help with this energy assessment and continued support to Colorado Rural Water Association. Please do not hesitate to contact me with any questions or concerns about this report.

Sincerely,

Kelly Stone

Colorado Rural Water Association

Energy Efficiency Technician, Kelvin (Kelly) Stone

Email – [kstone@crwa.net](mailto:kstone@crwa.net)

Office – (719)621-8169



1/26/22, 9:23 AM

## 5 Reasons to Install Energy-Saving VFDs

Call it a variable speed drive, adjustable frequency drive, adjustable speed drive, AC drive, inverter drive or something else, a variable frequency drive (VFD) can reduce the energy usage of an eight-to-motor up to 95%, extend motor life, deliver a payback in as little as 6 months and often qualify for energy-saving financial incentives. Since HVAC consumes the most energy in a building and motors account for the majority of HVAC energy usage, using VFDs on pump and fan motors can result in substantial energy cost reductions. Following is a short primer on VFDs and how to start saving money with them.

### How VFDs Save Energy

Imagine a hypothetical car without an accelerator pedal and an engine that always runs at a constant 2,500 RPM, whether parked or cruising down the highway. The car starts, the engine revs, it's shifted into "Drive" and it rockets down the road. The only way to control the car's speed is to constantly apply the brakes. This is analogous to the way electric motors in your HVAC system may be working, not very efficiently.

The basic AC induction motor is designed to run at a constant speed. This is true so long as the driven equipment (e.g. pump or fan) needs to run at the same speed most of the time. The fact is, however, that many pump and fan motors run at full speed less than 5% of the time. Water circulation and fan systems are frequently oversized to account for design uncertainties, future expansion or peak conditions. Oversizing further decreases the likelihood a motor will run at full speed.

Like applying the brakes to control the hypothetical car's speed, HVAC systems use mechanical means such as dampers, valves and vanes to reduce air and liquid flow rates while the electric motors continue to run at full speed. In both the car and HVAC cases, engines and motors running at a constant speed simply waste energy, increase wear and tear and create a less-than-optimum situation.

VFDs save energy by enabling electric motors to operate at less than full speed. The *Law of Affinity* for centrifugal pumps and fans states: Reducing motor speed by 25% decreases energy

## How VFDs Work

The modern VFD appeared during the latter stages of the Digital Revolution (1980s & 90s) as power semiconductors capable of controlling industrial level voltages and currents increased in availability and reliability. There are several types of VFDs, but the most commonly used VFD is the Pulse-Width Modulation (PWM) type. Simplicity, reliability and value are the advantages of the PWM VFD.

A VFD for a pump motor, for example, might have a 480VAC input. The VFD rectifies the incoming alternating current (AC) to direct current (DC) because it's much easier to "manipulate" DC than AC. Electronic switches (insulated-gate bipolar transistors or IGBTs) capable of turning "on" and "off" up to 15 thousand times per second output pulses of direct current of varying duration (pulse-width modulation) in order to replicate a three-phase AC sine wave of the desired voltage amplitude and frequency for controlling motor speed.

There are numerous ways that VFDs can be controlled to optimize the operation of motors and driven equipment (pumps, fans, etc.) from simple constant torque control to complex torque-limiting control with system feedback. In certain applications, a single VFD can control multiple motors.

## Variable VFDs

The reasons for installing VFDs include:

1. **Energy Savings.** Allowing a VFD to reduce motor speed can reduce motor energy consumption up to 50%.
2. **Reducing wear.** VFDs start motors slowly by ramping up the voltage rather than slamming motors with full line voltage to start. This reduces wear and potential overheating.
3. **Offset Oversizing.** In many HVAC applications, centrifugal fans and pumps are oversized to account for various uncertainties. VFD speed control minimizes energy wasted by oversized motors that may never run at full speed.
4. **Reduce Demand Charges.** Most commercial and industrial facilities are subject to utility Demand Charges based on the highest current demand occurring during a year. VFDs can help reduce Demand Charges by limiting motor inrush currents that can be 5 to 11 times higher than full load current.
5. **Financial Incentives.** Significant credits, rebates and tax deductions are available from many local utilities and governmental agencies to incentivize the installation of energy-

measures every day. Moreover, ENGIE MEP Services takes a holistic approach to saving you energy and money including smart building controls, distributed energy solutions and energy and energy storage-as-a-service (EaaS and ESaaS).

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## ORP Management in Wastewater as an Indicator of Process Efficiency

Patrick Higgins | Aug 22, 2013

Biochemical Reaction	ORP, mV
Nitrification	+100 to +350
cBOD degradation with free molecular oxygen	+50 to +250
Biological phosphorus removal	+25 to +250
Denitrification	+50 to -50
Sulfide (H <sub>2</sub> S) formation	-50 to -250
Biological phosphorus release	-100 to -250
Acid formation (fermentation)	-100 to -225
Methane production	-175 to -400

### Wastewater Process Efficiency Using ORP Management

Oxidation-reduction potential, or ORP (redox), has been used for many years in facilities that process wastewater generated by metal finishing plants, but recently it has become prominent in municipal wastewater treatment plants.

When using a typical ORP device, an operator inserts a probe directly into a plant's tank or waste stream. The probe contains a sensor that measures electrical charges from particles, called ions, and these charges are converted to millivolts (mV) that can be either negatively or positively charged. Unlike "wet Chemistry" analysis that can be time-consuming and complex, ORP readings are instantaneous and easy to perform. And like all sampling measurements taken by operators, they are snapshots in time that can indicate process efficiency and identify treatment problems before they affect effluent quality. When using [continuous monitoring and control instrumentation](#), this snapshot can become a real-time indicator.

Biochemical Reaction	ORP, mV
Nitrification	+100 to +350
cBOD degradation with free molecular oxygen	+50 to +250
Biological phosphorus removal	+25 to +250
Denitrification	+50 to -50
Sulfide (H <sub>2</sub> S) formation	-50 to -250
Biological phosphorus release	-100 to -250
Acid formation (fermentation)	-100 to -225
Methane production	-175 to -400

When used in wastewater treatment systems, oxidation-reduction potential is a measurement of the ability or potential of wastewater to permit the occurrence of specific biological (oxidation-reduction) reactions. Important oxidation-reduction reactions in wastewater treatment systems include nitrification, denitrification, biological phosphorus removal, biological malodor production, and the removal of cBOD (carbon- and hydrogen- containing compounds). These reactions involve carbon (C), phosphorus (P), sulfur (S), and nitrogen (N) and their change from oxidized states (containing oxygen) such as nitrate (NO<sub>3</sub><sup>-</sup>) and sulfate (SO<sub>4</sub><sup>2-</sup>) and reduced states (containing hydrogen) such as ammonia (NH<sub>3</sub>) and sulfides (H<sub>2</sub>S).

ORP is measured in millivolts (mV) and on the ORP scale, the presence of an oxidizing agent such as oxygen increases the ORP value, while the presence of a reducing agent such as substrate or cBOD decreases the ORP value.

By monitoring the ORP of wastewater, an operator can determine what biological reaction is occurring and if operational conditions should be changed to promote or prevent that reaction.

For example, an operator doesn't want denitrification or "clumping" to occur in a secondary clarifier; the operator, therefore, must maintain an ORP value of more than +50 mV to prevent clumping. Similarly, an operator doesn't want malodor production to occur in the sewer system. So, the operator must maintain an ORP value of more than -50 mV to prevent sulfide formation and an ORP value of more than -100 mV to prevent volatile acid formation.

Let's take a look at each of these reactions and their relation to ORP values in greater detail.

### Nitrification

To satisfy discharge limits for total nitrogen or ammonia, wastewater treatment plants must nitrify. Nitrification is the oxidation of ionized ammonia ( $\text{NH}_4^+$ ) to nitrate ( $\text{NO}_3^-$ ) and is performed by nitrifying bacteria when the ORP of the wastewater is +100 to +350 mV.

## Denitrification

Denitrification is performed to satisfy total nitrogen discharge limits or destroy undesired filamentous organism growth. Denitrification is the reduction of nitrate ( $\text{NO}_3^-$ ) to molecular nitrogen ( $\text{N}_2$ ) and is performed by denitrifying bacteria when ORP of the wastewater is +50 to -50 mV.

## Biological Phosphorus Removal

Wastewater plants conduct biological phosphorus removal to meet total phosphorus discharge limits. The process consists of two treatment steps - first, biological phosphorus release and, second, biological phosphorus removal.

In biological phosphorus release, fermentative bacteria produce fatty acids in an anaerobic tank having an ORP range of -100 to -225 mV. When the acids are absorbed by phosphorus-accumulating bacteria, the bacteria release phosphorus to the bulk solution.

In the second step - biological phosphorus removal - the phosphorus-accumulating bacteria degrade the absorbed acids in an aerobic tank and store the energy that was obtained from the degraded acids in phosphorus granules. This storage of energy requires the removal of large quantities of phosphorus from the bulk solution. The storage of phosphorus granules or biological phosphorus removal occurs when the ORP of the aerobic tank is +25 to +250 mV.

## Sulfide Formation and Fermentation (Biological Malodor Production)

Biological malodor production occurs through two major biochemical reactions, sulfide ( $-\text{SH}$ ) formation and acid formation (fermentation). Hydrogen sulfide is produced in large quantity when sulfate-reducing bacteria degrade substrate using sulfate ( $\text{SO}_4^{2-}$ ). Sulfate is found in groundwater and urine and when reduced through bacterial activity, hydrogen sulfide ( $\text{H}_2\text{S}$ ) is formed.

Sulfide formation, which occurs when the ORP is between -50 to -250 mV, is a critical event in an anaerobic digester, where the sulfide serves as a sulfur nutrient for facultative anaerobic and anaerobic bacteria including the methane-producing bacteria.

During the equally critical event of fermentation, acid-forming or fermentative bacteria produce a large variety of volatile acids, nitrogen-containing compounds, and sulfur-containing compounds. Many of these volatile compounds are malodorous. Acid formation or fermentation occurs when the ORP is between -100 and -225 mV. Fermentation is particularly crucial in biological phosphorus removal systems where the production of fatty acids is required for phosphorus release. Fermentation is also important in anaerobic digesters where many of the acids and alcohols produced through fermentation are used by methane-forming bacteria to produce methane.

However, these reactions must be appropriately confined. Septic conditions that permit sulfide formation and the discharge of sulfide into an activated sludge process should be corrected. The presence of sulfide promotes the growth of undesirable sulfide-loving filamentous organisms such as *Beggiatoa* spp., *Thiothrix* spp., and type 021N.

## cBOD Degradation with Free Molecular Oxygen

Removal or degradation of cBOD with free molecular oxygen ( $\text{O}_2$ ) occurs when the ORP in the reaction tank or aeration tank is between +50 to +250 mV. The degradation is performed by cBOD-removing bacteria. The bacteria are aerobes (using only free molecular oxygen) or facultative anaerobes (using free molecular oxygen or another molecule such as nitrate).

## Methane Production

Methane ( $\text{CH}_4$ ) production is highly desired in an anaerobic digester and undesired in a sewer system. Methane production is performed by methane-forming bacteria and occurs over a large range of ORP values, from -175 to -400 mV.

Knowing the ORP values associated with specific reactions has allowed operators to use ORP probes, and the information gleaned from them, in a variety of helpful ways. Within a sewer system, for example, an ORP value less than -100 mV indicates the production of malodors due to sulfide formation and fatty acid production. By adding sodium nitrate ( $\text{Na}_2\text{NO}_3$ ) to a manhole, it's possible to increase the ORP value above -50 mV and prevent biological malodor production.

In another example, the transfer of thickener sludge that is heavily laden with nitrate to an anaerobic digester may be regulated by monitoring the ORP of the digester sludge. As the ORP increases from -400 mV, the transfer of thickener sludge may be terminated at a value less than -300 mV to prevent the loss of significant methane production.

Consider too that the absence of denitrification within a denitrification tank may be detected with the use of ORP and hydraulic retention time of the tank or cBOD feed (methanol or acetate) to the tank may be adjusted to promote denitrification. Likewise, the occurrence of biological phosphorus release may be monitored in a fermentative tank and if needed, hydraulic retention time may be increased in order to remove residual free molecular oxygen and nitrate that contribute to ORP values of more than -100 mV.

ORP probes are extremely versatile measurement systems for monitoring biological reactions within sewer systems and wastewater treatment plants, and for indicating to operators if an acceptable or unacceptable biological activity is occurring. Increasingly, they are a tool that wastewater treatment plants must have and that operators must know how to use.

*The following article is reprinted with the permission of the New England Interstate Water Pollution Control Commission (NEIWPCC). It was written by Michael H. Gerardi, and appeared in the Winter 2007 issue of NEIWPCC's newsletter, Interstate Water Report. To view the original, please visit,*

[www.neiwpcc.org/iwr/reductionpotential.asp](http://www.neiwpcc.org/iwr/reductionpotential.asp).

10

Jun

**SALIDA | SDA  
Regional Workshop**



220 W Sackett Ave,  
Salida, CO 81201



8:00 am - 12:30 pm  
(MDT)

11

Jun

**CLIFTON | SDA  
Regional Workshop**



510 34 Road, Clifton, CO  
81520



8:00 am - 12:30 pm  
(MDT)

12

Jun

**VAIL | SDA Regional  
Workshop**



1775 Sunburst Drive,  
Vail, CO 81657



8:00 am - 12:30 pm  
(MDT)

Availability is Limited

13

Jun

**GRANBY | SDA  
Regional Workshop**



60500 US Highway 40,  
Granby, CO 80446



8:00 am - 12:30 pm  
(MDT)

14

Jun

**EATON | SDA  
Regional Workshop**



1675 3rd Street, Eaton,  
CO 80615



8:00 am - 12:30 pm  
(MDT)

17

Jun

**FOUNTAIN | SDA  
Regional Workshop**



11545 Link Rd,  
Fountain, CO 80817



8:00 am - 12:30 pm  
(MDT)

18

Jun

**PARKER | SDA  
Regional Workshop**



13939 Ancestry Drive,  
Parker, CO 80134



8:00 am - 12:30 pm  
(MDT)

20

Jun

**FREDERICK | SDA  
Regional Workshop**



701 5th Street,  
Frederick, CO 80530



8:00 am - 12:30 pm  
(MDT)

21

Jun

24

Jun



## Re: New legislation - helpful for District

James Eccher <colocitymanager@ghvalley.net>

Tue 5/21/2024 10:39 AM

To: Clint Gross <clintgross@rocketmail.com>

Cc: colocitygcollins@ghvalley.net <colocitygcollins@ghvalley.net>; colocitycgross@ghvalley.net <colocitycgross@ghvalley.net>; colocitynelliot@ghvalley.net <colocitynelliot@ghvalley.net>; colocityrdavis@ghvalley.net <colocityrdavis@ghvalley.net>; colocityshunter@ghvalley.net <colocityshunter@ghvalley.net>; Sarah Hunter <sehunter79@gmail.com>; Greg Collins <gregmichelle8@hotmail.com>; Neil Elliot <nwelliot@gmail.com>; Ray Davis <rjm.davis@gmail.com>

I would we can discuss at meeting before we send it out.

James P. Eccher  
District Manager  
Colorado City Metropolitan District

On May 21, 2024, at 11:37 AM, Clint Gross <clintgross@rocketmail.com> wrote:

Should I mention that the Metro Board will be looking into adopting this legislation, in the near future, in the June newsletter? Opinions?

Clint

On Tuesday, May 21, 2024 at 08:33:00 AM MDT, colocitymanager@ghvalley.net <colocitymanager@ghvalley.net> wrote:

Goodmorning

I that everyone would be interested in this new legislation that we could start to fine for covenant violations.

Thanks

James P Eccher  
District Manager  
Colorado City Metropolitan District  
4497 Bent Brothers Blvd  
PO Box 20229  
Colorado City CO 81019  
719-676-3396 Office  
719-569-5816 Cell

---

**From:** Carolyn Steffl <csteffl@dietzedavis.com>

**Sent:** Monday, May 20, 2024 7:47 PM

**To:** colocitymanager@ghvalley.net <colocitymanager@ghvalley.net>

**Cc:** Daniel Rubin <drubin@dietzedavis.com>; Jennifer JLorenz@dietzedavis <jlorenz@dietzedavis.com>

**Subject:** New legislation - helpful for District

Jim,

Great news. New legislation will help streamline the District's covenant enforcement process. [https://leg.colorado.gov/sites/default/files/2024a\\_1267\\_signed.pdf](https://leg.colorado.gov/sites/default/files/2024a_1267_signed.pdf)

HB24-1267 provides that Metro Districts can adopt fees, charges, fines and penalties for covenant enforcement and design review services. Although such fees and fines constitute liens on the property, Metro Districts cannot foreclose on property due to covenant or architectural violations, but the bill provides an even better remedy. Such fees and fines can be referred to the County Treasurer for collection along with property taxes.

The new bill requires that Metro Districts adopt a fine policy by 1-1-25, which includes a process for dispute resolution with property owners. I recommend that the Board adopt a fine schedule and penalty / dispute resolution process. This will avoid the need to file enforcement lawsuits in most cases.

You will want to read the entire bill, as there are some other interesting provisions, including a list of covenants that cannot be enforced (prohibiting residents from displaying a flag or signs on their property; parking a car in their driveway; installing a renewable energy or energy efficiency device; removing vegetation to create a defensible space for fire mitigation; operating a family childcare facility; using a rain barrel; and making disabled-accessibility modifications on the premises).

There are also provisions stating that the District or residents can recover attorneys' fees if they are successful in an enforcement lawsuit (or lawsuit challenging enforcement), allowing dispute to be submitted to mediation, and stating that enforcement actions for violating building prohibitions must be brought within 1 year of when the District knew or should have known of the violation.

Overall, I think this bill will provide CCMD with the tools and authorization to streamline its enforcement procedure, and I recommend re-writing your enforcement procedure before the end of the year.

Sincerely,



DIETZE AND DAVIS, P.C.  
ATTORNEYS AT LAW

**Carolyn R. Steffl, Esq.**  
Shareholder  
Dietze and Davis, P.C.  
2060 Broadway, Suite 400  
Boulder, CO 80302  
(303) 447-1375  
[csteffl@dietzedavis.com](mailto:csteffl@dietzedavis.com)

The information contained in this e-mail is a confidential communication and is intended only for the use of the individual addressed. This e-mail is also covered by the Electronic Communications Privacy Act. If you have received this communication in error, please notify our offices immediately at 303-447-1375, and delete this message from all media. Thank you.

CCAAC New Build Inspection Report

Date Inspected: 5-16-24 Inspected by: RANDY DEVENPORT

Zoned \_\_\_\_\_ Lot LLV 2004-019 Unit: \_\_\_\_\_ Parcel #: 4723202082

Owner: BILL AND CHRIS IENATSCH Phone: 719 676-2646

Physical Address: 5080 CUERNO VERDE BLVD

Minimum Sq. Ft. Required N/A Actual build sq. Ft. 1485

Lot size: \_\_\_\_\_ sq. ft. % can be covered N/A Covered % \_\_\_\_\_

	Question	Approved	
Structure: _____	?	<input checked="" type="radio"/> Yes	<input type="radio"/> No
Form: _____	?	<input checked="" type="radio"/> Yes	<input type="radio"/> No
Texture: _____	?	<input checked="" type="radio"/> Yes	<input type="radio"/> No
Color: _____	?	<input checked="" type="radio"/> Yes	<input type="radio"/> No
Ext. Appurtenances _____	?	<input checked="" type="radio"/> Yes	<input type="radio"/> No
Property lines Marked? -----		<input checked="" type="radio"/> Yes	<input type="radio"/> No
Structure lines Marked? -----		<input checked="" type="radio"/> Yes	<input type="radio"/> No

Property Set Backs

Required	Actual		Required	Actual	
Front: <u>25</u>	<u>25</u>	<input checked="" type="radio"/> Pass / Fail	Rear: <u>15</u>	<u>20</u>	<input checked="" type="radio"/> Pass / Fail
Side: <u>27</u>	<u>30</u>	<input checked="" type="radio"/> Pass / Fail	CCAAC member: <input checked="" type="radio"/> <u>Approved</u> / <input type="radio"/> Disapproved		

Information / corrections Required on: \_\_\_\_\_  
for final approval

CCAAC Member Signature Randy Devenport

Additional Notes:  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

See References on back





RECEIVED

MAY 9 2024

Colorado City Architectural Advisory Committee  
P.O. Box 20229

Colorado City, Colorado 81019  
719 676-3396 colocityccaac@ghvalley.net

MAY 9 2024  
By AKO Cash \$40.00

Initial: \_\_\_\_\_

Application will be considered for review only if it has been fully completed and received at the Colorado City Metropolitan District office or mailed to and received at the above address by 3pm on the Wednesday prior to the next regular meeting. All applications must be accompanied by a check or money order made out to "CCAAC" in the amount appropriate to the fee schedule featured on the back of this application.

Property Owner: Bill + Chris Jenatsch

Mailing Address: POB 19073

City: Colorado City State: CO ZIP: 81019 Telephone: \_\_\_\_\_

Property Address: 5080 CUERNO Verde BLVD

City: Colorado City State: CO ZIP: 81019 Lot \_\_\_\_\_ Unit \_\_\_\_\_ Parcel# 4723202082

ENTERED  
MAY 9 2024  
Initial: AKO

CONTRACTOR

Contractor: Bill B Chris Jenatsch

Mailing Address PO Box 19073

City Colorado City State CO Zip 81019 Telephone 719-676-2646 License # \_\_\_\_\_

Requested Approval for:  Commercial Building  Residence  Garage  Shed  Fence  Other \_\_\_\_\_

Type of Construction:  Steel  Wood  Manufactured  Other \_\_\_\_\_

Mobile Home:  New  Used Year Built: \_\_\_\_\_ Pueblo County Zoning Code: \_\_\_\_\_ CCMD Zoning Code: \_\_\_\_\_

Floor Area Square Footage: 1575 Square Footage Required by Covenants: \_\_\_\_\_

REQUIRED ITEMS: Before CCAAC will proceed with process **ALL required items must be completed!**

- (All requests) Approved Plot Plan Drawn to Scale from Pueblo County Planning and Zoning (see back)
- City/County Approved Water and Sewage Access (New Construction) see back
- Approved Road Access to property. Pueblo County Road or CCMD Road Lago Vista rd.
- Property Line Staked Out Corners
- Foundation Plan and Building Staked Out **Before** Excavation
- One (1) copy of Blue Print and One (1) Electronic Copy sent to colocityreception@ghvalley.net
- Elevations – Front, Back and Sides
- Exterior Color Scheme, Type of *Siding* and *Roofing Materials* Must be indicated
- Location of Improvements (*Porches, Decks, Garages, Carports, Driveways, Accessory Buildings, Landscaping*)
- Re-Roofing / Exterior Remodel/Paint - Residence and/or Garage
- Garages and Accessory Buildings must have distance between buildings
- Fence – Type of Materials, Height and Locations

**I have read and agree to abide by the unit's protective covenants for which this application is submitted:**

Property Owner's or Contractor's Signature \_\_\_\_\_ Date \_\_\_\_\_

**This application will not be accepted until you read and sign on reverse.**



CCAAC New Build Inspection Report

N 191

Date Inspected: 5-16-2024 Inspected by: LARRY BERG

Zoned R2 Lot 933 Unit: 14 Parcel #: 4618214191

Owner: ANTRIM & ASSOCIATES Phone: 719 251-1186

Physical Address: 4861 E JEFFERSON BLVD

Minimum Sq. Ft. Required 720 Actual build sq. Ft. 2242

Lot size:      sq. ft. % can be covered 35 Covered % 25

	Question	Approved	
Structure: _____	?	<input checked="" type="radio"/> Yes	<input type="radio"/> No
Form: _____	?	<input checked="" type="radio"/> Yes	<input type="radio"/> No
Texture: _____	?	<input checked="" type="radio"/> Yes	<input type="radio"/> No
Color: _____	?	<input checked="" type="radio"/> Yes	<input type="radio"/> No
Ext. Appurtenances _____	?	<input checked="" type="radio"/> Yes	<input type="radio"/> No
Property lines Marked? -----		<input checked="" type="radio"/> Yes	<input type="radio"/> No
Structure lines Marked? -----		<input checked="" type="radio"/> Yes	<input type="radio"/> No

Property Set Backs

Required	Actual		Required	Actual	
Front: <u>25</u>	<u>25</u>	Pass / Fail	Rear: <u>15</u>	<u>41.82</u>	Pass / Fail
Side: <u>6.5/9.67</u>	<u>15</u> <sup>TOTAL</sup>	Pass / Fail	CCAAC member:	<input checked="" type="radio"/> Approved	<input type="radio"/> Disapproved

Information / corrections Required on: \_\_\_\_\_  
for final approval

CCAAC Member Signature Larry Berg

Additional Notes:  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_



RECEIVED

MAY 14 2024

Initial: SNW

Colorado City Architectural Advisory Committee

P.O. Box 20229

Colorado City, Colorado 81019

719 676-3396 [colocityccaac@ghvalley.net](mailto:colocityccaac@ghvalley.net)

P A D  
MAY 14 2024  
By CK 2599

Application will be considered for review only if it has been fully completed and received at the Colorado City Metropolitan District office or mailed to and received at the above address by 3pm on the Wednesday prior to the next regular meeting. All applications must be accompanied by a check or money order made out to "CCAAC" in the amount appropriate to the fee schedule featured on the back of this application. \$200<sup>00</sup>

Property Owner: **Antrim and Associates**

Mailing Address: **PO Box 2423**

Email: **Randy@antrimandassociates.com**

City: **Pueblo** State: **CO** ZIP: **81004** Telephone: **(719) 251-1186**

Property Address: 4861 E. Jefferson Blvd.

City: Colorado City State: CO ZIP: 81019 Lot **933** Unit **14** Parcel# **4618214191**

ENTERED  
MAY 14 2024  
Initial: SNW

**CONTRACTOR**

Contractor: Antrim and Associates

Mailing Address PO Box 2423

Email: Randy@antrimandassociates.com

City Pueblo State CO Zip 81004 Telephone (719) 251-1186 License #0014830

**Requested Approval for:**  Commercial Building  Residence  Garage  Shed  Fence  Other \_\_\_\_\_

**Type of Construction:**  Steel  Wood  Manufactured  Other \_\_\_\_\_

**Mobile Home:**  New  Used Year Built: \_\_\_\_\_ **Pueblo County Zoning Code:** R-2 **CCMD Zoning Code:** \_\_\_\_\_

Floor Area Square Footage: 2242 Square Footage Required by Covenants: 720 Sq Ft

**REQUIRED ITEMS: Before CCAAC will proceed with process ALL required items must be completed!**

- (All requests) Approved Plot Plan Drawn to Scale from Pueblo County Planning and Zoning (see back)
- City/County Approved Water and Sewage Access (New Construction) see back
- Approved Road Access to property. Pueblo County Road or CCMD Road – County Road
- Property Line Staked Out Corners
- Foundation Plan and Building Staked Out **Before** Excavation
- One (1) copy of Blue Print and One (1) Electronic Copy sent to [colocityreception@ghvalley.net](mailto:colocityreception@ghvalley.net)
- Elevations – Front, Back and Sides
- Exterior Color Scheme, Type of *Siding* and *Roofing Materials* Must be indicated
- Location of Improvements (*Porches, Decks, Garages, Carports, Driveways, Accessory Buildings, Landscaping*)
- Re-Roofing / Exterior Remodel/Paint - Residence and/or Garage
- Garages and Accessory Buildings must have distance between buildings
- Fence – Type of Materials, Height and Locations

**I have read and agree to abide by the unit's protective covenants for which this application is submitted:**

Property Owner's or Contractor's Signature Randy Davenport Date 5-14-24

**This application will not be accepted until you read and sign on reverse.**

ZONING AUTHORIZATION FOR BUILDING PERMIT  
 PUEBLO COUNTY DEPARTMENT OF PLANNING AND DEVELOPMENT

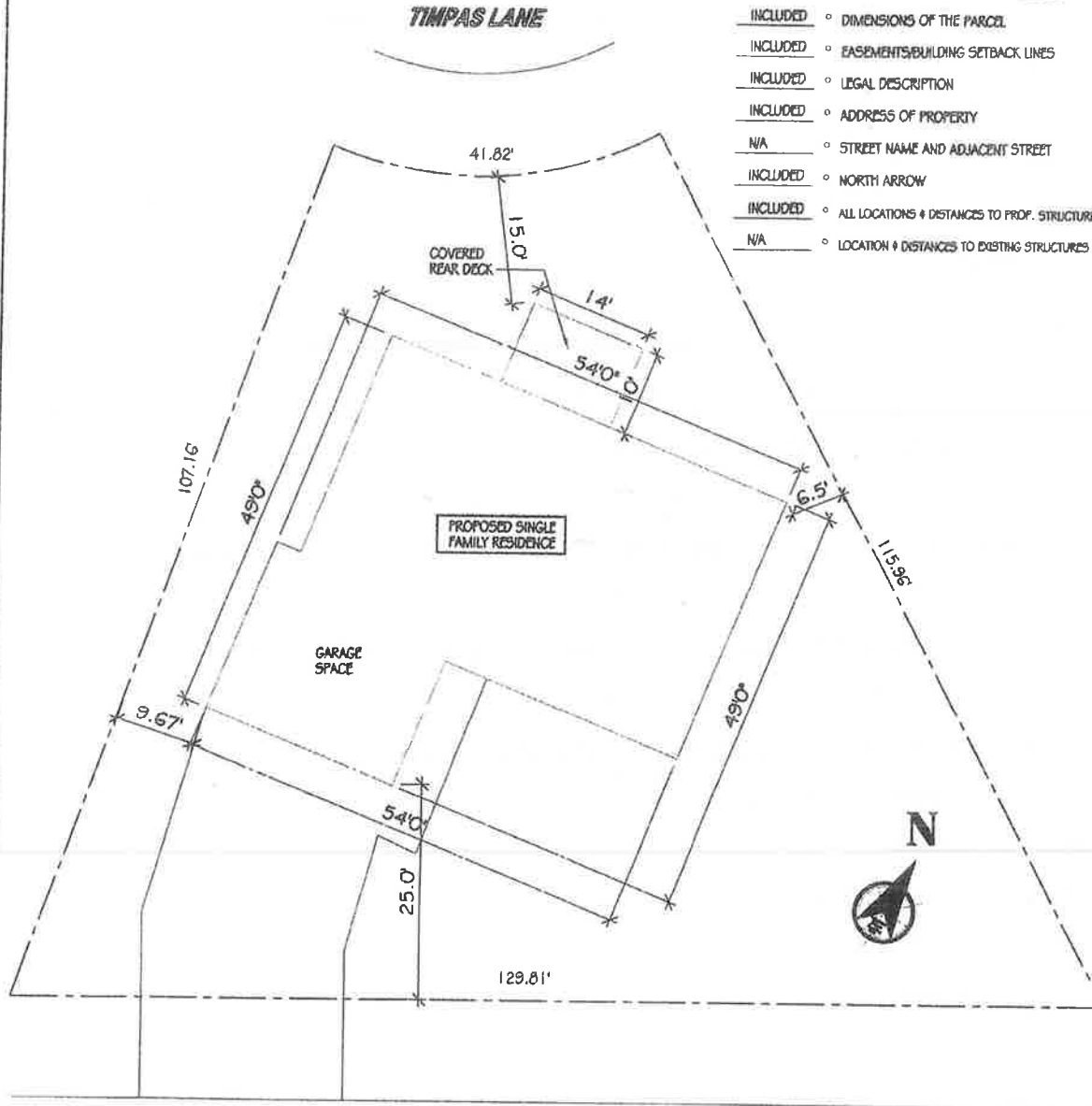
**R-2 5-13-24**

ZONE DATE DIRECTOR REPRESENTATIVE

COMMENTS:

**PUEBLO COUNTY DEPARTMENT OF PLANNING  
 AND ZONING CHECKLIST**

INCLUDED	o ASSESSORS PARCEL NUMBER	SCHEDULE # 4618214191
INCLUDED	o SQUARE FOOTAGE OF PROPOSED STRUCTURE	MARTELOR LIVING 1320.0 TOTAL UNDER ROOF 3302.0
N/A	o SQUARE FOOTAGE OF EXISTING STRUCTURE	N/A
INCLUDED	o STRUCTURE HEIGHT	17'-4" CITY FINISHED GRADE (MAY) 27'-0" CITY WALKOUT GRADE
N/A	o LOCATION & SIZE OF EXISTING FENCES, WALLS	N/A
INCLUDED	o DIMENSIONS OF THE PARCEL	SEE PLOT
INCLUDED	o EASEMENTS/BUILDING SETBACK LINES	SEE PLOT
INCLUDED	o LEGAL DESCRIPTION	UNIT 14 LOT 933 COLORADO CITY (COLORADO)
INCLUDED	o ADDRESS OF PROPERTY	4861 JEFFERSON BLVD. (COLORADO CITY) COLORADO
N/A	o STREET NAME AND ADJACENT STREET	N/A
INCLUDED	o NORTH ARROW	SEE PLOT
INCLUDED	o ALL LOCATIONS & DISTANCES TO PROP. STRUCTURES	SEE PLOT
N/A	o LOCATION & DISTANCES TO EXISTING STRUCTURES IF APPL	N/A



**4861 JEFFERSON BLVD. (COLORADO CITY) COLORADO**

**PLOT PLAN**

SCALE: 1" = 20.0'

BUILDER/OWNER:	ANTRIM ASSOCIATES- THE BLUE SPRUCE MODEL
DATE:	4-2024
ADDRESS:	4861 JEFFERSON BLVD. (COLORADO CITY) COLORADO
LEGAL DESCRIPTION:	UNIT 14 LOT 933 COLORADO CITY (COLORADO) SCHEDULE # 4618214191

ATT. DAVE WEHRICH  
 702 POLK STREET  
 PUEBLO, COLORADO 81004

(719) 299-4784 fax  
 (719) 240-9468 cell  
 (719) 744-0544 office  
 EMAIL: dave@advanceddb.com  
 EMAIL: dave.wehrich@yahoo.com

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**Colorado City Metropolitan District**  
**PUBLIC NOTICE**  
**BOARD OF DIRECTORS STUDY SESSION**

A study session for the Board of Directors of the Colorado City Metropolitan District will be held Tuesday, May 14, 2024, beginning at 6:00 p.m.

1. NOCO Engineering DAF

Nate Jacobs, With NOCO Engineering gave a slide show presentation for the board regarding the "Base of Design Report" of the pre-treatment building design/layout. He explained how the design has additional space for the DAF system to be included in the layout after we secure funding. Also, how the water flow goes through the different portions of the plant for filtration/cleaning & how it will be easy to hookup the DAF components later. Explained that the filters will only have to be cleaned maybe monthly instead of every 30 minutes currently, which will save hundreds of man hours, improving performance, water quality and increase capacity. Plans need to be submitted to Planning & Development by May 27, 2024.

The board members asked questions regarding, need for additional electrical (possible additional transformer) it will have a generator backup. Will the sludge pond have much of a smell? Nate states it could possibly have a fishy smell but shouldn't be that strong. The board requested the design include fenced security be added now to the plans.

2. Ted Miller Presentation

Mr. Miller was not able to attend the meeting, but CCMD staff did meet with him. The strap on Live Meter Reader would run approx. 9-16k with attachments, to find water loss. It will also require two towers at 65-100K for setup. It was tested on a line, but won't know usage for that line, so how to measure?

CCMD staff think this might be an item for the future, as we need to secure funding for current projects before moving forward with this item. Also, all new meters will need to be in place prior to implementing this program.

3. Janssen (Star Link)

No update at this time. Gary Golladay is ill.

4. Cement Estimate for Village

Line break on Lunar Dr. (cul-v-sac), only received one estimate from C&J Concrete at 5K - 8200k approx. if road fix is about 7x30.

5. Resolution 7 -2024 Adopting Arapahoe Ct.

By Beckwith Rd, need to add to CCMD maintain schedule to vacate lines, grate & gravel/plow, etc., road is approximately 115 ft. long with two houses on the road.

6. Nancy report on Finance Director Search

Ms. Schuerr stated that the job posting for Finance Director has been posted in all the newspapers, the view, with CPA firms and she has contacted colleges in Southern Colorado. A couple of agencies have meetings planned with the District Manager for interim assistance with the accounting/auditing, as we will need assistance until the position is filled.

Board members gave a big THANK YOU to Nancy for her assistance and action in this hiring process.

Also, kudos were also given to Cristy Adams for jumping in and assisting with the bookkeeping and giving department heads/board members a spreadsheet of current budget for each department.

7. Stewart Ranch Up-Date

Board members Greg Collins & Clint Gross along with James Eccher & Greg Bailey had a meeting with the Attorney to determine where we stand legally on this issue, and how to move forward.

Another meeting held with Deanna Jordan & Mr. & Mrs. McCormick regarding how we will be moving forward and to set timeframes, so as not to drag this out. Stewart Ranch currently has about 12 horses and 15 cows. Mr. Bailey & Mr. Eccher were working up an amount to charge them monthly for water usage until they obtained permits and get a new well drilled.

Mr. Collins & Mr. Gross will continue this committee to ensure all actions are completed timely.

8. CCAAC Reviews

Fence for 2826 Applewood Drive  
Garage for 4073 West Graneros Road

Both reviewed and approved by Randy Davenport on the CCACC committee.



Bob Smith is currently reviewing complaints received.

9. READING BY CHAIRPERSON OF THE STATEMENT OF CONDUCT AND Demeanor.

10. CITIZENS INPUT – N/A

COLORADO CITY METROPOLITAN DISTRICT

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Neil Elliot, Chairman

ATTEST:

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Clint Gross, Board Member  
Approved this 30 day of April 2024

These minutes are not verbatim to the meeting and should not be considered a complete record of all discussions during the meeting. For complete proceedings and statements, please refer to the video or audio recording of the meeting.

## BOARD OF DIRECTORS REGULAR MEETING

A regular meeting of the Board of Directors of the Colorado City Metropolitan District will be held Tuesday May 14, 2024, beginning at 7:35 p.m.

1. **CALL TO ORDER.**
2. **PLEDGE OF ALLEGIANCE.**
3. **MOMENT OF SILENT REFLECTION.**
4. **QUORUM CHECK**

Chairperson Neil Elliot  
Treasurer Sarah Hunter - Excused  
Secretary/Co-Chair, Clint Gross  
Director Greg Collins  
Director Ray Davis

Also in Attendance:

Jim Eccher, District Manager  
Sandi Oglesby, Reception/AR  
Gary Golladay – Water/Sewer – on Zoom, but no audio  
Greg Bailey – Water/Sewer

Nancy Schuerr – Contractor  
Nate Jacobs – NOCO Engineering

### 5. **APPROVAL OF THE AGENDA**

Mr. Collins motioned to approve the agenda, with exception to move Financials to beginning. Mr. Gross second the motion. Vote called. All board members present approved.

### 6. **APPROVAL OF MINUTES.**

Regular Meeting April 30,2024  
CCACC Minutes April 30,2024

Mr. Gross motioned to approve above listed minutes. Mr. Collins second the motion. Vote called. All board members present approved.

### 7. **BILLS PAYABLE.**

Mr. Davis motioned to approve the bills. Mr. Collins second the motion.

The board had questions regarding:

Ace hardware – many line breaks/sewer backup.  
12k funding for paint/supplies – will be reimbursed by Friends of Hollydot.

Water hoses – for water treatment plant  
Pliers/tie down ratches – worn out or destroyed to due chemicals.

Vote called. All board members present approved.

8. **FINANCIAL REPORT.** Report – not audited.

Ms. Adams compiled data for each department, so the department heads know budget numbers for Jan-Mar of 2024. Last years' financials were never closed out, i.e. Dec of 2023 is in process, Cristy is currently taking classes to assist with this project, while still completing her own duties of AP/payroll.

Sam Denardo working in Caselle for reports for audit process with his staff.

9. **OPERATIONAL REPORT.**

- a. Beckwith Dam report - see full report on file.

Lake on 4/28/24 @ 14.0

Lake on 5/08/24 @ 14.8 – higher due to rainfall, state notified.

- b. Committee Reports Golf Course/Water and sewer/ Parks and Rec/ Newsletter? - reports on file.

Golf Course has seen an increase in revenue over the last year, conditions are great and seeing a rise in play.

Course Maintenance is going well, the additional rain recently has helped green up the course. New sand has been delivered to the bunkers, weed spraying has commenced. San Isabell is installing new electrical cable on the back nine.

Parks & Rec clean up date is scheduled in conjunction with ValleyFirst to be held at the rec. center on May 11 from 7a to 11a. Flyer was posted and on Facebook sites.

Wastewater report – Neptune – they have no answer to why all these meters are going bad. Sludge pump is being rebuilt. Painting of outside of water tanks #1, 2 completed. Team working on how to isolate/redirect water to complete tank #4, process moving along slowly. We will only be painting the outside of tank #3 as additional funding will be needed for the additional work required for this tank.

Newsletter to be prepared by Clint Gross for June. Note might need to be made that when we have line breaks this also causes dirt, discoloration to water down the lines.

**ATTORNEY Report: N/A**

**11. AGENDA ITEMS:**

**Resolution 7-2024**

**Discussion/Action**

Mr. Collins motioned to approve Resolution 7-2024. Mr. Davis second the motion. Vote called. All board members present approved.

**Cement Quote for Pan in Village**

**Discussion/Action**

Mr. Collins motioned to approve. Mr. Davis second the motion.

Chairman Elliot concerned that we only received 1 bid, others stated most companies busy this time of year and this is to them a small job.

Vote called. All board members present approved.

**CCACC:**

**Discussion/Action**

**A. New Construction:**

1. 2826 Applewood Drive

Fence

Mr. Davis motioned to approve the fence. Mr. Collins second the motion. Vote called. All board members present approved.

2. 4073 West Graneros Road

Garage – Earth tone color

Chairman Elliot excused himself from the vote, as garage will be on his property. Mr. Davis motioned to approve said garage. Mr. Collins second the motion. Vote called. The three board members present approved.

**B. Actions**

- a. 0 First Letters
- b. 0 Second letters
- c. 0 Third letters
- d. 0 Unauthorized Structure

No actions to vote one at this time.

12. OLD BUSINESS. road resolution /Goals and achievement Plan/ Strategic plan/ Finance Director/ Valley First variance passed for gravel parking lots.

road resolution /Goals and achievement Plan/ Strategic plan – items still on hold

Finance Director – posted in various locations. Talking with a few accounting companies to get help in the until position is filled.

Clean-up day – 4 field staff helped with Backhoe and skid steer to pack down the items in the 7 dumpsters. Dumpsters were filled with mattresses, couches, tires, metal, lawn mowers and other items. San Isabell Electric loaned mulch is available for customers to come and haul to yards, until gone. Good turn-out. CCMD may schedule another clean-up in the fall.

Thanks to CTF funds for Golf Course!

North Park sewer issues – staff checking daily. Getting good flow now. CCMD installed a new check valve at Erin’s house with sweep, seems to help solve the problem. Plans to replace the last segment of line, past the tree area, if we still have problems.

13. NEW BUSINESS: June 24, 2024, Meeting with Cody Purcell and Mike Brown from CPW Deer population who would like to assist.

June 24, 2024, will be a special meeting to discuss ideas/options.  
(i.e.: open season hunting/archery?)

The Town Hall meeting will be held on July 23<sup>rd</sup> @ 6:30 p.m. at CCMD office.

Granero’s River water lease?

Gravel pit lease: 1/3 free, 1/3 charged to them, 1/3 charged to us. Paperwork with the attorney and is being corrected.

14. CORRESPONDENCE: N/A

Mr. Davis moved to close the Regular Meeting at 8:20pm and go into: EXECUTIVE SESSION: Motion to go into Executive session 24-6-402(4)9 C.R.S. Personnel Matters *for Annual Review of district manager James Eccher as requested by district manager.* Mr. Collins seconded the motion. All board members present approved.

15. EXECUTIVE SESSION: Motion to go into Executive session 24-6-402(4)9 C.R.S. Personnel Matters *for Annual Review of district manager James Eccher as requested by district manager*

Executive Sessions adjourned 8:54pm.

16. ADJOURNMENT.

Regular Meeting adjourned at: 8:58 p.m.

COLORADO CITY METROPOLITAN DISTRICT

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Neil Elliot, Chairman

ATTEST:

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Clint Gross, Board Member

Approved this 30 day of April 2024

These minutes are not verbatim to the meeting and should not be considered a complete record of all discussions during the meeting. For complete proceedings and statements, please refer to the video or audio recording of the meeting.

Report Criteria:  
 Report type: GL detail  
 Check.Type = {<>} "Adjustment"

GL Period	Check Issue Date	Check Number	Payee	Description	Invoice GL Account	Invoice Amount	Check Amount
<b>37625</b>							
05/24	05/21/2024	37625	Sherri's Blings N' Things	Safety-Carhart Work Jackets, Safety-Pro	02-0100-7150	806.20	806.20
05/24	05/21/2024	37625	Sherri's Blings N' Things	Safety-Carhart Work Jackets, Safety-Pro	03-0100-7150	806.20	806.20
05/24	05/21/2024	37625	Sherri's Blings N' Things	Safety-Carhart Work Jackets, Safety-Pro	01-6000-7150	806.20	806.20
Total 37625:							2,418.60
<b>37626</b>							
05/24	05/22/2024	37626	Jayson Milne	Payroll 05222024/WTP	02-0000-2210	534.67	534.67
05/24	05/22/2024	37626	Jayson Milne	Payroll 05222024/WWTP	03-0000-2210	534.67	534.67
Total 37626:							1,069.34
<b>37627</b>							
05/24	05/24/2024	37627	Acorn Petroleum, Inc	Fuel/RDS	01-6000-7151	124.22	124.22
05/24	05/24/2024	37627	Acorn Petroleum, Inc	Fuel/WWTP	02-0100-7151	395.25	395.25
05/24	05/24/2024	37627	Acorn Petroleum, Inc	Fuel/WWTP	03-0100-7151	248.44	248.44
05/24	05/24/2024	37627	Acorn Petroleum, Inc	Fuel/P&R	01-0208-7151	293.61	293.61
05/24	05/24/2024	37627	Acorn Petroleum, Inc	Fuel/Adm	01-0100-7151	67.75	67.75
05/24	05/24/2024	37627	Acorn Petroleum, Inc	Fuel/GC	04-0100-7151	509.10	509.10
05/24	05/24/2024	37627	Acorn Petroleum, Inc	Fuel/GCM	04-0201-7151	749.41	749.41
Total 37627:							2,387.78
<b>37628</b>							
05/24	05/24/2024	37628	Business Solutions Leasing	Copier Lease-May/Adm	01-0100-7150	212.26	212.26
Total 37628:							212.26
<b>37629</b>							
05/24	05/24/2024	37629	CEM Sales & Service	Chemicals/Pool	01-0207-7150	3,202.00	3,202.00
Total 37629:							3,202.00
<b>37630</b>							
05/24	05/24/2024	37630	CenturyLink	Advertising/GC	04-0100-7110	8.88	8.88
Total 37630:							8.88
<b>37631</b>							
05/24	05/24/2024	37631	Colorado Analytical Laboratorie	Testing-Filtering, Radium 226/228, Coole	02-0100-7122	1,403.00	1,403.00
05/24	05/24/2024	37631	Colorado Analytical Laboratorie	Testing Ammonia Nitrogen/WWTP	03-0100-7122	20.00	20.00
05/24	05/24/2024	37631	Colorado Analytical Laboratorie	Testing Ammonia Nitrogen/WWTP	03-0100-7122	20.00	20.00
05/24	05/24/2024	37631	Colorado Analytical Laboratorie	Testing-TSS,Total Metals ICP-MS, Metal	02-0100-7122	135.00	135.00
05/24	05/24/2024	37631	Colorado Analytical Laboratorie	Testing TTHMS-HAA5/WTP	02-0100-7122	316.00	316.00
Total 37631:							1,894.00
<b>37632</b>							
05/24	05/24/2024	37632	Colorado Dept. of Public Health	Enforcement Order DW.09.23.151200 Su	02-0100-7122	1,101.14	1,101.14
Total 37632:							1,101.14

GL Period	Check Issue Date	Check Number	Payee	Description	Invoice GL Account	Invoice Amount	Check Amount
<b>37633</b>							
05/24	05/24/2024	37633	Colorado Natural Gas, Inc.	Golf Course Main/GCM	04-0201-7191	169.80	169.80
05/24	05/24/2024	37633	Colorado Natural Gas, Inc.	W&S Shop/WTP	02-0100-7191	257.50	257.50
05/24	05/24/2024	37633	Colorado Natural Gas, Inc.	W&S Shop/WWTP	03-0100-7191	257.51	257.51
05/24	05/24/2024	37633	Colorado Natural Gas, Inc.	Wastewater Plant/WWTP	03-0100-7191	130.94	130.94
05/24	05/24/2024	37633	Colorado Natural Gas, Inc.	Pro Shop/GC	04-0100-7191	391.99	391.99
05/24	05/24/2024	37633	Colorado Natural Gas, Inc.	Admin Office/ADM	01-0100-7191	239.21	239.21
05/24	05/24/2024	37633	Colorado Natural Gas, Inc.	Cold Springs/WTP	02-0100-7191	485.06	485.06
05/24	05/24/2024	37633	Colorado Natural Gas, Inc.	Water Treatment Plant/WTP	02-0100-7191	729.18	729.18
05/24	05/24/2024	37633	Colorado Natural Gas, Inc.	Pool/Pool	01-0207-7191	54.86	54.86
05/24	05/24/2024	37633	Colorado Natural Gas, Inc.	Recreation Center B/REC	01-0203-7191	144.40	144.40
05/24	05/24/2024	37633	Colorado Natural Gas, Inc.	Recreation Center A/REC	01-0203-7191	114.04	114.04
Total 37633:							2,974.49
<b>37634</b>							
05/24	05/24/2024	37634	COLORADO POND AND LAKE,	4th Installment Payment ProcellaCor/WT	02-0100-7122	9,592.00	9,592.00
Total 37634:							9,592.00
<b>37635</b>							
05/24	05/24/2024	37635	Core & Main LP	Meter Dome, Manhole Hooks, Inner Lid/	02-0100-7122	2,380.87	2,380.87
05/24	05/24/2024	37635	Core & Main LP	Meter Dome, Manhole Hooks, Inner Lid/	03-0100-7122	264.54	264.54
05/24	05/24/2024	37635	Core & Main LP	Capital-Mach 10 Metersx57/WTP	02-0100-7720	20,679.60	20,679.60
Total 37635:							23,325.01
<b>37636</b>							
05/24	05/24/2024	37636	DIETZE AND DAVIS, P.C.	Prof Svc Mtrr-10949-001/ADM	01-0100-7141	1,729.96	1,729.96
05/24	05/24/2024	37636	DIETZE AND DAVIS, P.C.	Prof Svc Mtrr-10949-010/ADM	01-0100-7141	855.19	855.19
05/24	05/24/2024	37636	DIETZE AND DAVIS, P.C.	Prof Svc Mtrr-10949013/WTP	02-0100-7141	184.00	184.00
06/24	06/24/2024	37636	DIETZE AND DAVIS, P.C.	Prof Svc Mtrr 10949 014/WTP	02 0100 7141	828.00	828.00
05/24	05/24/2024	37636	DIETZE AND DAVIS, P.C.	Prof Svc Mtrr-10949-023/WTP	02-0100-7141	23.00	23.00
05/24	05/24/2024	37636	DIETZE AND DAVIS, P.C.	Prof Svc Mtrr-10949-024/WTP	02-0100-7141	2,189.00	2,189.00
Total 37636:							5,809.15
<b>37637</b>							
05/24	05/24/2024	37637	Evoqua Water Technologies	2 Totes AKTA/WTP	02-0100-7150	9,885.75	9,885.75
Total 37637:							9,885.75
<b>37638</b>							
05/24	05/24/2024	37638	FEDEX	Transport Samples/WTP	02-0100-7150	79.84	79.84
05/24	05/24/2024	37638	FEDEX	Transport Samples/WWTP	03-0100-7150	79.85	79.85
Total 37638:							159.69
<b>37639</b>							
05/24	05/24/2024	37639	FIRST UNUM LIFE INSURANCE	May Premium/Adm	01-0000-2230	195.27	195.27
05/24	05/24/2024	37639	FIRST UNUM LIFE INSURANCE	May Premium/WTP	02-0000-2230	284.31	284.31
05/24	05/24/2024	37639	FIRST UNUM LIFE INSURANCE	May Premium/WWTP	03-0000-2230	247.49	247.49
05/24	05/24/2024	37639	FIRST UNUM LIFE INSURANCE	May Premium/GC	04-0000-2230	44.10	44.10
05/24	05/24/2024	37639	FIRST UNUM LIFE INSURANCE	May Premium/GCM	04-0000-2230	72.58	72.58
Total 37639:							843.75



GL Period	Check Issue Date	Check Number	Payee	Description	Invoice GL Account	Invoice Amount	Check Amount
<b>37640</b>							
05/24	05/24/2024	37640	Front Range Winwater Works C	Capital-Pex,Crimp-MPT,Barb-MPT,Adapt	02-0100-7720	1,900.00	1,900.00
Total 37640:							1,900.00
<b>37641</b>							
05/24	05/24/2024	37641	HERITAGE LANDSCAPE SUPPL	Fertilizer-Chemicals/GMC	04-0201-7150	12,231.26	12,231.26
Total 37641:							12,231.26
<b>37642</b>							
05/24	05/24/2024	37642	Interstate Chemical Co.	Chemicals-Muriatic Acid 9% x4 totes/WT	02-0100-7150	5,667.81	5,667.81
Total 37642:							5,667.81
<b>37643</b>							
05/24	05/24/2024	37643	Main Electric, Ltd.	Pump, Panel/WTP	02-0100-7122	6,293.60	6,293.60
Total 37643:							6,293.60
<b>37644</b>							
05/24	05/24/2024	37644	Mastercard	Adobe/ADM	01-0100-7150	12.99	12.99
05/24	05/24/2024	37644	Mastercard	DAF/Column Public Notice/WTP	02-0100-7729	215.08	215.08
05/24	05/24/2024	37644	Mastercard	Ice/WTP	02-0100-7150	1.95	1.95
05/24	05/24/2024	37644	Mastercard	Office Supplies/ADM	01-0100-7154	116.02	116.02
05/24	05/24/2024	37644	Mastercard	USPS Priority x2/ADM	01-0100-7150	60.90	60.90
05/24	05/24/2024	37644	Mastercard	I-9 Online Training/ADM	01-0100-6320	279.00	279.00
05/24	05/24/2024	37644	Mastercard	Thermostat/WTP	02-0100-7150	43.04	43.04
05/24	05/24/2024	37644	Mastercard	Paid Check#3764 3/22/2024	01-0100-7150	1,047.20	1,047.20
05/24	05/24/2024	37644	Mastercard	ATV Drive Belt/P&R	01-0208-7150	101.04	101.04
05/24	05/24/2024	37644	Mastercard	Gas CRWA Awards/ADM	01-0100-7151	51.22	51.22
05/24	05/24/2024	37644	Mastercard	Paid Check#3764 3/22/2024	01-0100-7150	133.06	133.06
05/24	05/24/2024	37644	Mastercard	Home Plate Stencil/P&R	01-0208-7150	54.75	54.75
05/24	05/24/2024	37644	Mastercard	Pickelball Net,Vinyl Wrap,Plugs/P&R	01-0208-7150	278.40	278.40
05/24	05/24/2024	37644	Mastercard	DriverSupport/ADM	01-0100-7150	9.99	9.99
05/24	05/24/2024	37644	Mastercard	Payment Check#3764 3/22/2024	01-0100-7150	1,180.27	1,180.27
05/24	05/24/2024	37644	Mastercard	Twinrix Immunization/WWTP	03-0100-7150	187.93	187.93
05/24	05/24/2024	37644	Mastercard	Adobe/ADM	01-0100-7150	12.99	12.99
05/24	05/24/2024	37644	Mastercard	Master Key Set of 50/P&R	01-0208-7150	14.99	14.99
05/24	05/24/2024	37644	Mastercard	Key Cutter/P&R	01-0208-7150	178.00	178.00
05/24	05/24/2024	37644	Mastercard	Flashlight, Trash Bags/P&R	01-0208-7150	155.08	155.08
05/24	05/24/2024	37644	Mastercard	USB Cables, Snow Plow Blades/P&R	01-0208-7150	108.00	108.00
05/24	05/24/2024	37644	Mastercard	Zoom/ADM	01-0100-7150	32.37	32.37
05/24	05/24/2024	37644	Mastercard	Throttle Cable/P&R	01-0208-7150	49.27	49.27
05/24	05/24/2024	37644	Mastercard	1099 Reporting-Training/ADM	01-0100-6320	249.00	249.00
05/24	05/24/2024	37644	Mastercard	Lunch Training/ADM	01-0100-6323	44.00	44.00
05/24	05/24/2024	37644	Mastercard	Lubricant Jelly/WTP	02-0100-7150	9.75	9.75
05/24	05/24/2024	37644	Mastercard	Adobe/ADM	01-0100-7150	12.99	12.99
05/24	05/24/2024	37644	Mastercard	Driver Support/ADM	01-0100-7150	9.99	9.99
05/24	05/24/2024	37644	Mastercard	Late Fee/ADM	01-0100-7150	40.00	40.00
05/24	05/24/2024	37644	Mastercard	Interest ChargeADM	01-0100-7150	46.58	46.58
Total 37644:							2,375.31
<b>37645</b>							
05/24	05/24/2024	37645	Metropolitan Life Insurance Co	Dental/Vision-May	01-0000-2230	796.74	796.74

GL Period	Check Issue Date	Check Number	Payee	Description	Invoice GL Account	Invoice Amount	Check Amount
Total 37645:							796.74
<b>37646</b>							
05/24	05/24/2024	37646	Onsite Service Solutions LLC	Pump Harness Repair & Labor/WTP	02-0100-7122	330.00	330.00
Total 37646:							330.00
<b>37647</b>							
05/24	05/24/2024	37647	P and A Pump Install and Repai	Capital-Parts to Rebuild/Repair Pump/W	03-0100-7724	5,252.10	5,252.10
Total 37647:							5,252.10
<b>37648</b>							
05/24	05/24/2024	37648	PARTS AUTHORITY, LLC	Fuel Shut-Off, Case Grease, Filter/GCM	04-0100-7150	138.66	138.66
05/24	05/24/2024	37648	PARTS AUTHORITY, LLC	Oil Filter, Universal Joint/GCM	04-0100-7150	104.92	104.92
Total 37648:							243.58
<b>37649</b>							
05/24	05/24/2024	37649	Pioneer	Mason Sand/GCM	04-0201-7150	1,146.60	1,146.60
Total 37649:							1,146.60
<b>37650</b>							
05/24	05/24/2024	37650	Procom LLC	Pre-Employment Testing/WTP	02-0100-7122	61.00	61.00
05/24	05/24/2024	37650	Procom LLC	Pre-Employment Testing/WWTP	03-0100-7122	61.00	61.00
Total 37650:							122.00
<b>37651</b>							
05/24	05/24/2024	37651	Public Sector Health Care Grou	Health Ins June 2024/ADM	01 0000 2230	1,011.84	1,011.84
05/24	05/24/2024	37651	Public Sector Health Care Grou	Health Ins-June 2024/WTP	02-0000-2230	4,637.32	4,637.32
05/24	05/24/2024	37651	Public Sector Health Care Grou	Health Ins-June 2024/WWTP	03-0000-2230	4,700.18	4,700.18
06/24	06/24/2024	37651	Public Sector Health Care Grou	Health Ins June 2024/GC	04-0000-2230	648.15	648.15
05/24	05/24/2024	37651	Public Sector Health Care Grou	Health Ins June 2024/GCM	04-0000-2230	648.14	648.14
05/24	05/24/2024	37651	Public Sector Health Care Grou	Health Ins-June 2024/WTP	02-0100-6310	295.60	295.60
05/24	05/24/2024	37651	Public Sector Health Care Grou	Health Ins-June 2024/WWTP	03-0100-6310	443.40	443.40
Total 37651:							12,384.73
<b>37652</b>							
05/24	05/24/2024	37652	PVS DX INC.	Chlorine 150# Cyl x3/WTP	02-0100-7150	852.23	852.23
05/24	05/24/2024	37652	PVS DX INC.	Chlorine 150# Cyl/WTP	02-0100-7150	150.00	150.00
Total 37652:							1,002.23
<b>37653</b>							
05/24	05/24/2024	37653	QA Balance Services, Inc.	Balance Calibration-Biannual/WWTP	03-0100-7122	125.00	125.00
Total 37653:							125.00
<b>37654</b>							
05/24	05/24/2024	37654	SOUTHERN TIRE MART LLC, D	Tire Swap & Mount/GCM	04-0201-7122	640.00	640.00
Total 37654:							640.00

GL Period	Check Issue Date	Check Number	Payee	Description	Invoice GL Account	Invoice Amount	Check Amount
Grand Totals:							115,394.80

Summary by General Ledger Account Number

GL Account	Debit	Credit	Proof
01-0000-2110	1,180.27	12,945.48-	11,765.21-
01-0000-2230	2,003.95	.00	2,003.95
01-0100-6320	528.00	.00	528.00
01-0100-6323	44.00	.00	44.00
01-0100-7141	2,585.15	.00	2,585.15
01-0100-7150	1,631.32	1,180.27-	451.05
01-0100-7151	118.97	.00	118.97
01-0100-7154	116.02	.00	116.02
01-0100-7191	239.21	.00	239.21
01-0203-7191	258.44	.00	258.44
01-0207-7150	3,202.00	.00	3,202.00
01-0207-7191	54.86	.00	54.86
01-0208-7150	939.53	.00	939.53
01-0208-7151	293.61	.00	293.61
01-6000-7150	806.20	.00	806.20
01-6000-7151	124.22	.00	124.22
02-0000-2110	.00	72,746.75-	72,746.75-
02-0000-2210	534.67	.00	534.67
02-0000-2230	4,921.63	.00	4,921.63
02-0100-6310	295.60	.00	295.60
02-0100-7122	21,612.61	.00	21,612.61
02-0100-7141	3,224.00	.00	3,224.00
02-0100-7150	17,496.57	.00	17,496.57
02-0100-7151	395.25	.00	395.25
02-0100-7191	1,471.74	.00	1,471.74
02-0100-7720	22,579.60	.00	22,579.60
02-0100-7729	215.08	.00	215.08
03-0000-2110	.00	13,379.25-	13,379.25-
03-0000-2210	534.67	.00	534.67
03-0000-2230	4,947.67	.00	4,947.67
03-0100-6310	443.40	.00	443.40
03-0100-7122	490.54	.00	490.54
03-0100-7150	1,073.98	.00	1,073.98
03-0100-7151	248.44	.00	248.44
03-0100-7191	388.45	.00	388.45
03-0100-7724	5,252.10	.00	5,252.10
04-0000-2110	.00	17,503.59-	17,503.59-
04-0000-2230	1,412.97	.00	1,412.97
04-0100-7110	8.88	.00	8.88
04-0100-7150	243.58	.00	243.58
04-0100-7151	509.10	.00	509.10
04-0100-7191	391.99	.00	391.99
04-0201-7122	640.00	.00	640.00
04-0201-7150	13,377.86	.00	13,377.86
04-0201-7151	749.41	.00	749.41
04-0201-7191	169.80	.00	169.80
Grand Totals:	117,755.34	117,755.34-	.00

Dated: \_\_\_\_\_

Mayor: \_\_\_\_\_

City Council: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

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\_\_\_\_\_

\_\_\_\_\_

City Recorder: \_\_\_\_\_

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Report Criteria:

Report type: GL detail

Check Type = {<>} "Adjustment"

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2024 Piezometer

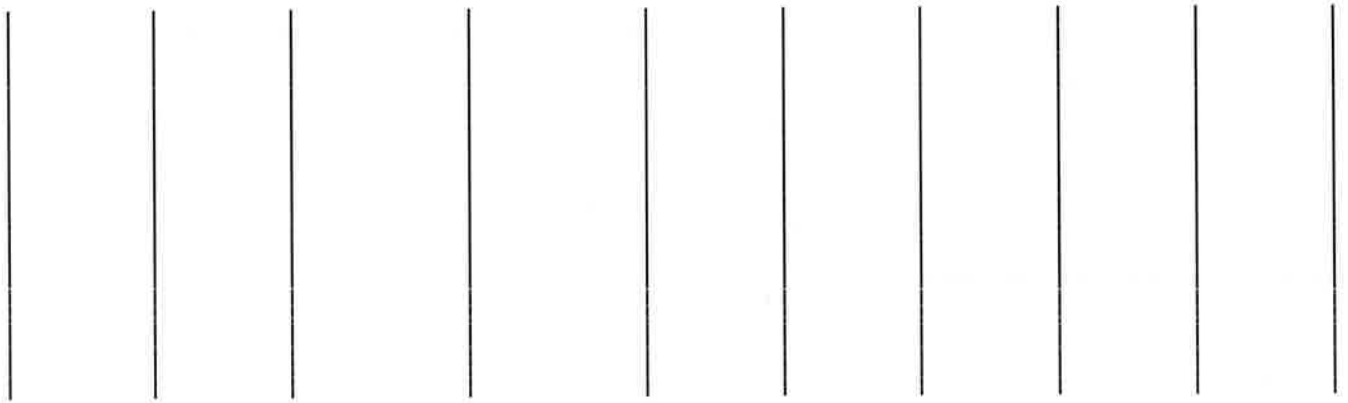
<u>Date</u>	<u>P/1/2</u>	<u>P/3</u>	<u>P/4</u>	<u>P/5</u>	<u>P/6</u>	<u>P/11</u>	<u>P/12</u>	<u>Lake level</u>	<u>inspector</u>
4/17/2024	17.5	Void	21	14.6	Dry 26.1	11.7	21.6	14.1	GB
4/22/2024	17.9	Void	21	19.1	Dry 26.1	12.3	22.5	13.9	GB/JM
4/28/2024	17.9	Void	21	13.5	Dry 26.1	12	22.4	14	GB
5/8/2024	17.3	Void	21	17.2	25.2	12	21.1	14.8	GB
5/15/2024	17.2	Void	21	18.1	25.6	11.5	20.9	14.7	GB/JE/JM
5/24/2024	17.3	Void	21	18.4	25.7	11.8	21.2	14.7	GB

2024 Piezometer

Perometer Readings for 2023

P 1/2	P/3	P/4	P/5	P/6	P/11	P/12	lake level	Inspector
Dry				Dry				
1/4/2024	Void	21.1	20.2	26.1	13.9	22.1	14.1	GB
Dry				Dry				
1/9/2024	Void	21.1	20.2	26.1	21.8	22	14.2	GB
Dry				Dry				
1/17/2024	Voic	21.1	20.1	26.1	21.8	22.1	14.3	GB
Dry				Dry				
1/25/2024	Voic	21.2	20.1	26.1	21.7	22.1	13.8	GB
Dry				Dry				
1/29/2024	Voic	21.1	20.2	26.1	13.9	22.1	13.8	GB
Dry				Dry				
2/8/2024	Void	21.2	20.1	26.1	12.2	22.1	13.8	GB
Dry				Dry				
2/14/2024	Void	21.1	20.2	26.1	12.3	22.1	14.1	GB
Dry				Dry				
2/20/2024	Void	21.1	18.4	25.7	12.7	22.1	14.4	GB
Dry				Dry				
2/27/2024	Void	21.1	18.3	26.1	12.5	22.1	14.5	GB
Dry				Dry				
3/7/2024	Void	21.1	19.6	26.1	12.8	21.6	14.6	GB
Dry				Dry				
3/13/2024	Void	21.1	19.6	26.1	12.8	21.6	14.6	JE
Dry				Dry				
3/21/2024	Void	21.1	18.4	24.1	11.9	20.9	14.6	JE
dry				Dry				
3/29/2024	Void	20.9	19.7	26.1	10.8	21	14.5	JM
Dry				Dry				
4/5/2024	Void	21	14.7	26.1	11.6	21.7	14.4	JM/GB
Dry				Dry				
4/12/2024	Void	21.1	14.6	26.1	11.6	21.6	14.2	GB









## **Colorado City Metropolitan District**

May 21, 2024

Mr. Jason Ullmann, State Engineer, Mr. Mark Perry Dam Inspector,

Progress report for Beckwith Dam Project

The Colorado City Metropolitan District (CCMD) and RJH are in the process of Design and Engineering for the Beckwith Dam Project. RJH continues to work on design tasks and identifying required Data collection. With the retirement of Micheal Graber and bringing Tracy Owen on board to finish the Design and Engineering has slowed down the complete Design. We have also been slow in the design of the new treatment plant with getting CAD drawings.

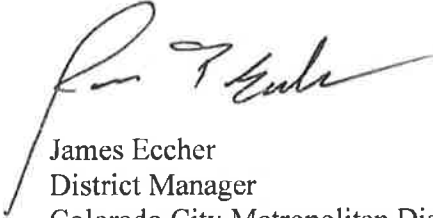
CWCB on 3/16/2023 for the loan process and was granted the \$3,300,000 loan. We are looking at USDA since they would be Federal funding and would not hurt Enterprise statues and will do a 75% grant and 25 % match. Sent letter to FEMA asking for grant assistance with Matt Thompson. Their grant option is 65% grant and 35% matching funds but can't be federal funds. The time schedule for HHPD awards were pushed out to the end of May to the beginning of June. Also have also grant assistance with CWCB for help with Grant writing and finding additional funding. Had a meeting and training on Hazardous Mitigation Plan with the Pueblo County EOC and filled out task sheet for funding through FEMA through the County. It is being compiled and should be ready to submit the end of September or beginning of October after Pueblo County Commissioners approve it.

The district has continued to have communication with CWCB, USDA, Pueblo County (FEMA) Hazardous Mitigation and there has been a grant opportunity from Federal Drought Funding that we are planning for the financing of the project. The Colorado City Metropolitan District (CCMD) board of directors committed \$58,000 in matching funds on February 10, 2023, Special Meeting to match the \$328,100 of WSRF funding. Scott Thomas from Colorado Rural Water Association (CRWA) has been assisting me and USDA Allison Ruiz to look at different federal funding options. We have used RD Apply to submit applications having public meetings and board approve to apply for all grant opportunities available for the district on January 30, 2024 to approve submission of application.

We are also working on a Dissolved Air Filtration (DAF) which will have to be included in the design of Dam as to a footprint for the inlets and outlet to the plant for consideration. We have NOCO Engineering involved with this project with final stages of Design and Engineering and BDR presently being submitted this week for review by the State for the Revolving and application for fund with USDA.

Dam Inspection is being done weekly reporting and Piezometer reading completed up to 5/15/2024 with everything having not changed. I have attached the Excel spreadsheet for 2023 and 2024. The yearly monument shooting completed and sent in 5/30/2023. We are in the process of having the monuments surveyed for this year. We are requesting to lift the restriction until the end of August to capture the wonderful run off for the May storms and snowpack of the winter. Looking at the summer weather report it looks as if it will be a hot and dry summer and we lost two wells last year to lightning. We are in the process of getting them repaired but contracting them out has been a issue to get them completed. So, at present we are relying on surface water for the community.

Sincerely,

A handwritten signature in black ink, appearing to read "James Eccher". The signature is written in a cursive style with a long, sweeping underline that extends to the left.

James Eccher  
District Manager  
Colorado City Metropolitan District

## Hickenlooper CDS Update

Huerta, Antonio (Hickenlooper) <Antonio\_Huerta@hickenlooper.senate.gov>

Thu 5/23/2024 8:10 AM

To: Huerta, Antonio (Hickenlooper) <Antonio\_Huerta@hickenlooper.senate.gov>

Hi there,

I wanted to share an update regarding your Congressionally Directed Spending request. Senator Hickenlooper has reviewed your project, and submitted your request for consideration with the Senate Interior Subcommittee. As required by Rule XLIV of the Standing Rules of the Senate, our office will post all of our CDS Requests to our official website in the coming weeks.

Please note that this initial request does not mean your project will receive funding, as there are still a number of steps to go. The Subcommittee will review all of the projects submitted around the country, check for eligibility and scope, and determine what requested projects will be included in a draft bill. From there, the bill will have to pass either individually or in a funding package, and be reconciled with any bill passed by the House of Representatives. We will continue to keep you informed as the process continues. Please know that we will keep pushing to maintain key funding for Colorado throughout this process.

Thank you for your work and please do not hesitate to reach out with any questions.

Sincerely,  
Antonio

**Antonio Huerta** | Regional Director | Southern Colorado

U.S. Senator John W. Hickenlooper

☎ 719.323.3807

[Website](#) | [Twitter](#) | [Facebook](#) | [Instagram](#)




## RE: Congressionally Directed Spending

Hutson, Natasha (Bennet) <Natasha\_Hutson@bennet.senate.gov>

Tue 5/21/2024 12:10 PM

To: James Eccher <colocitymanager@ghvalley.net>

 1 attachments (22 KB)

Template for LOS Requests.docx;

Absolutely! Please fill out the attached form and send it back to me and I will work on that for you!

Thank you

### Natasha Hutson

Regional Director Pikes Peak

Colorado Business Outreach Director

Cell: 720-614-4103

Office: 719-328-1133

[natasha\\_hutson@bennet.senate.gov](mailto:natasha_hutson@bennet.senate.gov)

**From:** James Eccher <colocitymanager@ghvalley.net>

**Sent:** Tuesday, May 21, 2024 1:07 PM

**To:** Hutson, Natasha (Bennet) <Natasha\_Hutson@bennet.senate.gov>

**Subject:** Re: Congressionally Directed Spending

Natasha

We are applying through USDA for a 15 million dollar grant/loan for the pretreatment project that will have to go through national funding. Is there a process to get a letter of support from Senator Bennet's office that I could get.

Thanks,

James P. Eccher

District Manager

Colorado City Metropolitan District

On May 21, 2024, at 1:02 PM, Hutson, Natasha (Bennet) <[Natasha\\_Hutson@bennet.senate.gov](mailto:Natasha_Hutson@bennet.senate.gov)> wrote:

Dear James:

I am writing to share that the Office of Senator Bennet submitted your Congressionally Directed Spending project to the Interior, Environment, and Related Agencies Appropriations Subcommittee. Congratulations!

A quick reminder about the process: This is only the first step, and funding is not guaranteed. Next, the Appropriations Committee will review submissions from Senate offices and decide what projects

to include in the funding bills. Once the bills are released, Congress still has to approve these bills before any organization is selected for funding. Our office does not expect that to happen before November (at the earliest).

Please let our office know if you have any questions. I will be in touch with future updates as well.

**Natasha Hutson**

Regional Director Pikes Peak

Colorado Business Outreach Director

Cell: 720-614-4103

Office: 719-328-1133

[natasha\\_hutson@bennet.senate.gov](mailto:natasha_hutson@bennet.senate.gov)



