

Monthly Engineer's Report

DATE OF MEETING: SEPTEMBER 20, 2023
CLIENT: BACA GRANGE WATER & SANITATION DISTRICT (BGWSD)
SUBJECT: MONTHLY ENGINEER'S REPORT **NEW ITEMS IN BOLD**

GENERAL ENGINEERING (PROJECT NO. 0001)

Casita Park Lift Station Analysis: Element has reviewed the hydraulics of the Casita Park (Mobile Home Estates) Lift Station to determine why pumps continue to see failure. We have completed an analysis of the existing hydraulic conditions and are evaluating system and pump curves. We expect to be able to provide recommendations to district staff within the next two to four weeks.

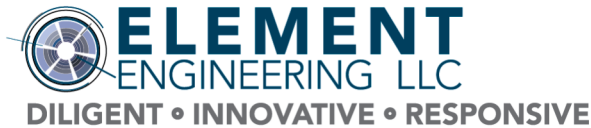
A memorandum summarizing the lift station analysis has been provided to the district for review. Further discussion on the hydraulic difference between design and actual hydraulic conditions between Element and the district staff is necessary to determine next steps. The district staff is looking into the hydraulic conditions and comparing the existing (old) originally installed pump and the newly installed pump.

Water Loss Prevention Plan: Element staff are periodically working with district staff in developing a water loss prevention program. It is likely that this prevention program will take several months to collaboratively develop prior to presentation by district staff and Element to the board. Element is assisting the district in assembling cost estimates for PRV vault and water main replacement program. Our initial meeting has identified the following items to focus on:

- PRV Vault Cost Estimate
- Metering Vault Cost Estimate
- Cost Estimate 1,000 Feet of Main (General)
- Meter Inventory (Ages, Visual Inspection)
- Unmetered Service Survey
- Testing Meters
- Leak/Break Fix Map
- Water Main Replacement Program

District staff is interested in applying for Saguache County grant funds to potentially pay for relocation of PRVs and installation of flow meter vaults to study. Potential uses for this grant money is installation of metering vaults, PRVs, and water shutoff valves to better isolate for breaks. Also, money could be used for leak detection equipment. A cost estimate of a PRV and metering vault has been provided to district staff for review.

Element has been released on design services of the PRV relocation, new PRV installation, and two new meter vaults. Element is completing design and bidding documents so the project can be publicly bid. We are currently waiting for the field survey work to be completed in order to finalize our draft documents for internal review.



WATER AND WASTEWATER MASTER PLAN UPDATE (PROJECT NO. 0009)

The Water and Wastewater Master Plan Update document has been finalized in draft format and provided to the BGWSD staff and board for review.

The master plan was approved by the district board in September 2022. The district approved Water and Wastewater Master Plan culminated in recommendations for water and wastewater system improvements. These recommendations are being included in the Wastewater Treatment Plant Improvements (Project No. 0010) and Water Treatment Plant Improvements (Project No. 0011) projects. Status reports on these projects are presented under their respective project numbers.

The master plan also included recommendations for water loss reduction. Reporting on progress for this item is listed under General Engineering (Project No. 0001). As the master plan document itself has been approved, and action is being taken on the master plan recommendations, no additional updates will be included on this project number.

WASTEWATER TREATMENT PLANT IMPROVEMENTS (PROJECT NO. 0010)

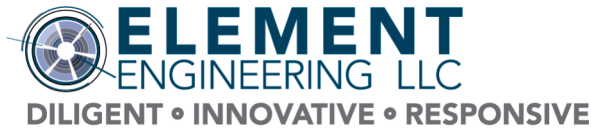
Element has provided the district with a proposal to complete a Wastewater Treatment Plant (WWTP) Improvements Preliminary Engineering Report and Environmental Report. The report will be assembled for United States Department of Agriculture (USDA) Rural Development (RD) funding of a new or upgraded/expanded WWTP. A preliminary schedule for the proposed project is shown below. Note that this schedule may vary widely based on review time by CDPHE and USDA as each entity reviews and processes the required submittals.

- Compile and submit Preliminary Engineering Report December 2022
(Includes ER and RD Apply funding application)
- USDA review and funding/underwriting January 2023 – July 2023
(Note this timeline is assumed and is shown conservatively long)
- USDA Letter of Conditions Coordination July 2023 – September 2023
- Design, CDPHE and local permitting September 2023 – August 2024
- Bidding November 2024
- Construction March 2025 – March 2026

Element was approved on the wastewater PER/ER in the district’s September special meeting. We intend to meet the deadline for the PER/ER of the end of December 2022.

The PER was submitted to district staff for review in December of 2022. We are working to schedule a staff review meeting prior to updating the draft for submittal to the board for review. It is expected that the PER will be submitted to the board for review in late January or early February.

The PER was reviewed with staff on January 23, 2023. An updated PER has been provided to the district along with a PER summary handout. A work session to review the PER has been scheduled for Thursday February 23rd. USDA has informed Element that, based on the suggested project scope, an Environmental Report is required. Our original goal was to demonstrate that this was not required due to the fact that the disturbance would all occur at existing project locations, however, after review USDA has required the ER to be compiled and submitted as part of the project. Our current proposal has funding for this work but



excludes State Historic Preservation Act site surveys. If a survey is required, we will let the district know and pass that on with no markup.

After review of the PER by the board, and any necessary updates, the PER and ER will be submitted to USDA, along with the RDAApply application to finalize the grant and loan funding request.

The PER was reviewed at a board special meeting on February 23rd, 2023. The board approved moving forward with the project and completing the RDAApply application. Element is in the process of compiling the required Environmental Report. The Environmental Report and RDAApply application will be completed by the end of April 2023. Please note that the Environmental Report requires 30 and 45-day review periods for various state, federal, and tribal agencies for review and comment on the project scope.

The Environmental Report (ER) has been drafted. We are waiting for final responses from the State Historic Preservation Office (SHPO) and other agency responses to finalize the ER. The RDAApply application is being processed and drafted by Element and district staff.

The RDAApply application and Preliminary Engineering Report have been finalized in draft format. The Environmental Report is nearly complete. We are finalizing correspondence with the State Historic Preservation Office (SHPO). Further environmental compliance reporting may be required, and we are scheduling a meeting with SHPO to determine the necessary scope of this additional work, if any. It is anticipated we will finalize our conversations with SHPO by the end of May.

The USDA funding application has been completed. The PER and ER have been submitted to USDA. We are now waiting for the USDA underwriting process to be completed. USDA will generate a letter of conditions that outlines the funding package grant/loan combination.

WATER TREATMENT SYSTEM IMPROVEMENTS (PROJECT NO. 0011)

The Water and Wastewater Master Plan Update recommended a water project be completed including the following:

- Integrate the Motel Well and Booster Pump Station into the large BGWSD system.
- Increase Water Treatment Plant (WTP) Pumping Capacity
- Add Administrative Building for district.

It is recommended that these projects be funded through the Colorado Department of Health and Environment (CDPHE) State Revolving Fund (SRF) Loan Program. Upon completion of the WWTP PER and ER the funding process for the water system improvement project should begin. A preliminary schedule for the proposed project is shown below. Note that this schedule may vary widely based on review time by CDPHE.

- | | |
|---|----------------------------|
| • Compile and submit pre-qualification form (CDPHE funding) | December 2022 |
| • Compile and submit Project Needs Assessment | April 2023 |
| • CDPHE review and design and engineering grant execution | July 2023 |
| • Design, CDPHE permitting | August 2023 – March 2024 |
| • CDPHE funding coordination and loan execution | February 2024 – April 2024 |
| • Bidding | April 2024 |

- Construction

June 2024 – December 2024

The pre-qualification form was submitted in December of 2022. A pre-qualification meeting has been scheduled with CDPHE, DOLA, BGWSD, and Element staff on Tuesday January 31st at 10:00. The pre-qualification meeting is the next step in the CDPHE funding process where all entities discuss the proposed project and review the steps in the funding process.

The prequalification meeting was held to discuss the CDPHE funding process specific to the BGWSD water project. The district qualifies for a planning grant of \$10,000 to support compilation of the Project Needs Assessment. The planning grant requires a local match of \$2,500, for total funding of \$12,500 for the Project Needs Assessment. The Project Needs Assessment (PNA) is an engineering planning document similar to the PER but compiled in a format and form acceptable to CDPHE. Element has compiled a proposal to complete the PNA on behalf of the district.

The draft PNA is nearly complete with an internal (Element) review by the middle of April. We are on target to provide the draft to district staff by the end of April.

CDPHE has provided a pre-qualification review letter after our January pre-qualification meeting. The review letter (dated April 19, 2023) is attached to this report. This letter clarifies that the district is eligible for a planning grant (already obtained), a design and engineering grant, and Bipartisan Infrastructure Law (BIL) funding.

Element finalized a draft of the PNA and transmitted it to district staff on May 9, 2023. It is recommended the district board schedule a work session or special meeting to review the final PNA during the month of June. In the meantime, Element and district staff will work to resolve any initial questions and/or comments.

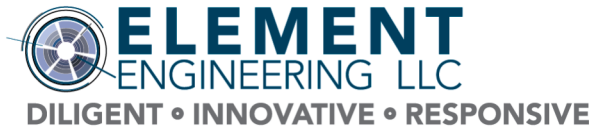
The draft PNA is scheduled to be reviewed by the district at an August 23rd meeting. A handout summarizing the PNA has been transmitted to district staff for board distribution.

The district approved submittal of the PNA at the August 23rd meeting. Element has coordinated with district staff and the PNA has been submitted to CDPHE. We are awaiting CDPHE review of the document. Element will respond to any questions or CDPHE comments.

DEVELOPMENT SERVICES

590CR Hillcrest Overlook Extension: The district has asked that Element provide design services for sewer and water main extensions. The first of these projects is the above referenced extension. The process for design and construction is as follows:

- Application for line extension (application fee)
- Deposit for preliminary design and cost estimate
- Preliminary line extension design and cost estimate
- Customer approval of cost estimate/ deposit of full estimated cost of construction
- Final design/drawing/bid package
- Bid Project



- Award bid
- Pre-Construction Meeting/establish check in meeting schedule
- Construction
- Conditional acceptance
- Final acceptance

The survey for this project is to be completed during the week of January 9th. Preliminary layouts will be completed in one to two days after the survey file is received.

The survey has been completed and an initial alignment show that the extension project is feasible. The district has released Element to complete a full design for the water and sewer extension. We expect this to be completed during the week of February 13th.

The Hillcrest Overlook plans and cost estimate have been submitted to the district. A meeting was held with the developer to review the plans. The next step is to bid the project for construction.

This project has been publicly bid for construction per state statute. A publication was posted in the local paper of record, on the Element Engineering website, and on the district's website. The bid schedule is as follows:

RFP Release Date	Week of May 18th
Plans and Specifications Available	May 12 th at 10:00 AM
Last Day to Request Interpretations of the Documents	May 19 th at 4:00 PM
Last Day to Issue Addenda	May 26 th at 4:00 PM
Bids Due (via email to nmarcotte@elementengineering.net)	June 2 nd , at 4:00 PM

Upon completion of the bidding process, Element will provide the district with a summary of bids received and a recommendation for award.

The project has been awarded to Cooley and Sons Excavation. All material has been procured and a pre-mobilization meeting is scheduled for August 14th. Element will oversee the construction and conduct onsite inspections.

Construction is nearly substantially complete. The water main has been pressure tested and the sewer main has been videoed. Video shows a belly in the newly installed pipe that will be corrected by the contractor. Substantial completion of the project is expected to be requested by the end of September.



To: Baca Grande Water and Sanitation District Board of Directors
From: JoAnn Slivka, District Manager
Date: September 15, 2023

MASTER PLAN:

Wastewater Improvement Project:

United States Department of Agriculture - Rural Development (USDA RDAApply)

- ✓ August 2023- no current updates since uploading the revised application in July

Water Improvement Project:

Colorado Department of Public Health and Environment Drinking Water Revolving Fund (CDPHE DWRF)

- ✓ 2/15/2023: Pre-Loan Planning Grant Project #960062D-Q

The District received a grant of up to \$10,000 from CDPHE that helped defray the costs of the documents required by the Drinking Water Revolving Fund program for the Water Improvement Project.

Draw Request #5-Final, the final draw request in the amount of \$1,832.00 has been submitted. This grant is now complete as all of the required deliverable items in the agreement have been provided.

- ✓ 8/31/2023: The Project Needs Assessment (PNA) has been uploaded to the CDPHE portal.

Saguache County Grant - Water Loss Prevention Project (Capital Project)

- ✓ 6/15/2023: Received \$137,640 from the Saguache County Board of Commissioners towards our Water Loss Prevention Project for the PRV Distribution System. There were two components of the request- the Water Meter Vault and the Pressure Reducing Valve (PRV) Vault. Both components of the project were approved; part came from the last of their American Rescue Plan Act funds and the remainder from their Payments in Lieu of Taxes funds.
- ✓ 7/19/2023: BGWSD Board approved the proposal from Element Engineering for Construction Plans and Specifications: \$7,000, Bid Documents and Bidding Process: \$8,500.
- Element has now begun working on the design services and bidding documents.

LINE EXTENSIONS – 590-CR Hillcrest

- ✓ 6/21/2023: BGWSD Board approves the recommended award to Cooley and Sons Excavating, Inc. in the amount of \$80,250 for the project.
- 9/15/2023: Project should be nearing completion.

2022 AUDIT

- 9/20/23: Fiscal Focus Partners, LLC and Fromm and Company, LLC will present the 2022 draft audit at the September meeting.
- 9/30/2023: Deadline for submitting annual audit report to State Auditor. District audit must be forwarded to State Auditor's Office within thirty (30) days of receipt from auditor.

2024 BUDGET

- Included in your packet is the preliminary Assessed Valuation from the Assessor's office.

Basic Budget Calendar: Budgets for special districts are required to be submitted to the Division of Local Government on an annual basis.

October 15 - Budget Officer must present a Draft budget to the governing body.

Budget hearing is scheduled for public comment thereafter.

December 15 - Budget must be adopted and mill levy set for property taxing entities.

January 31 - Budget must be submitted to the Division of Local Government of the budget year.

DM SEARCH COMMITTEE

9/1/2023: Diego Martinez has been named the finalist for the District Manager position. The finalist announcement was posted with the Crestone Eagle as well as on the BGWSD website

The Search Process

The need for a District Manager arose upon the announcement of the current district manager's retirement. Title 32 of the Special District Act contemplates that each Special District will have a chief executive officer who is answerable to the Board, serving at the pleasure of the Board.

As reflected in the June 28, 2023 Special Meeting minutes, the Board authorized commencement of the search process, and a search committee was established. Mr. Lock informed the Board that the district manager position is considered one of a chief executive officer therefore, we are guided by statute, C.R.S. § 24-6-402(3.5.)

The search committee established job search goals, including the writing of an updated job description and requirements for applicants. A deadline of July 31 was established for applications.

The job announcement was posted throughout the state and specific industry publications throughout the country. Nine applications were received and reviewed by the deadline; 2 applications were received afterwards; qualified applicants were interviewed. On September 1, 2023, the Board announced one finalist for the position. As required, the notice was made public at least fourteen days prior to the September 20, 2023 meeting of the board where an offer will be made to the finalist.

OTHER EVENTS:

8/30/2023: Submitted letter of support for Baca Grande POA Fire Department for significant grant funding for Fuel reduction in the Baca and San Luis Valley. This letter will be ratified

9/12-14 : Virtually attended the SDA conference

UPCOMING:

- Transition to new management
- Health and property insurance renewals underway
- Preliminary AV report and budget preparation – Draft budget to the Board by October 15
- Certification of Delinquent Accounts: The final Account list and Resolution will be presented at the October meeting.
- Exclusion petition request review

TRANSITION

This will be my last DM report. I am excited for the future and direction for the district. Many good things have been accomplished over the past few years. I leave the District with a full staff; full time department heads for both the Operations and Administration departments; 5 full time operators and 1 seasonal operator, and 2 part-time administrative staffers. A full board of 5 directors who work cooperatively together along with our dedicated consultants; Marcus Lock, Cathy Fromm and Nick Marcotte. A great team!

Financially we are in better shape than we have been for years with two grants in process for both the wastewater and water systems and a grant from the county with a project beginning for our water loss program.

The district approved Amendment No. 1 to the August 28, 1997 Water Service Agreement between the United States Fish and Wildlife Service and the Baca Grande Water and Sanitation District. This will allow the district to pay USFWS a monthly sum of \$75.00 per acre foot (for the term of this agreement) thereby saving the District ~\$50,000 annually. Still a lot of work ahead but a great step forward for the district.

The District continues to work with the new personnel and legal counsel at the Town of Crestone on negotiations regarding the intergovernmental agreement. Hopefully all will come together and agree on a path forward.

So long and thanks for all the fish...

Administrative Monthly Report

September 20th, 2023 - Board of Directors Meeting

Prepared by Natalie DeBon

Annual Pre-certification: On September 1st, 2023, Pre-certification letters were mailed out by certified mail to 109 customers on pre certification list. Eight customers paid their delinquent balances off.

A public hearing for the 2023 Certification is scheduled for October 18th, 2023, to be held during the regular Board of Directors (BOD) meeting. Once certification submitted to the Saguache County, delinquent charges and assessments certified to the Treasurer will be collected in the same manner as property taxes, pursuant to §31-20-105, 31-20-106, and 32-1-1101, Colorado Revised Statutes.

LIHWAP: Unfortunately, the LIHWAP program comes to an end. The final LIHWAP report with the list of approved customers and the final payment in the total amount of \$13,650.00 was received by District on September 12th. Amounts were entered and applied into customers' accounts and customers notified by letters. Over the course of two years LIHWAP sent payments to 56 accounts in the total amount of \$20,850.40. We are thankful to their help and collaborative work during these two years.

Fire Extinguishers: Annual Fire Extinguishers maintains was performed by Rocky Mountain Fire Extinguishers. The fire extinguishers inventory is up-to-date and spreadsheets inventory updated.

Electronic Recycling: We organized our office storage space, prepared old and non-functional electronics for recycling through WSB, and as a result, our office storage room is now significantly cleaner and more organized.

SDA Annual Conference: The annual conference took place on September 12-14th, I attended many informative sessions and connected with other Districts representatives and exchanged knowledge and experience. Will share more information next meeting

Lead Testing: Result letters were mailed out to customers on September 5th.

Sewer Line Repair on Camino Del Rey: July 11th – was cancelled. Once new date is scheduled, notifications will be posted and emailed to customers.

Delinquent Water shut off: During the month of September, two (2) customers had a delinquent water shut-off. However, thanks to the assistance of "Neighbor Helping Neighbors," a local nonprofit organization dedicated to aiding those in need, one of these customers received the support they required and their water was restored.

September Billing Message: In observance of Labor Day, the District office will be closed on Monday, September 4, 2023. We will reopen on Tuesday, September 5th. Please remember to always call the BGWSD office at 719-256-4310 regarding any requests for Water Turn ON and OFF at the meter or curb stop. Looking for information on Baca Water & Sanitation? Visit our website for the latest information, forms, and tips at <https://www.bacawater.com/>. Questions about paying your bill online? Call 385-218-0343 or email support@xpressbillpay.com.

Upcoming:

- October 18th, 2023 Public Hearing for Certification of Delinquent Account

UTILITY BILLING ACTIVITY FOR THE MONTH OF AUGUST (BILLED IN SEPTEMBER)

Customer Utility Billing		
Billing Category	Number of Accts	Amount Billed
Usage Customers Billed - SEWER	817	\$40,767.72
Usage Customers Billed - WATER	839	\$58,952.16
ON/OFF Service	6	\$300.00
LATE FEE	36	\$740.00
TRANSFER	16	\$5,600.00
CONSOLIDATIONS	5	\$3,500.00
W-S HOOK UP & PARTS	3	\$8,400.00
EQR	27	\$785.75
NSF FEE	2	\$90.00

AUGUST - XPRESS BILL PAY TRANSACTION ACTIVITY

Product / Service Description	Qty	Unit Price	Line Total
EFT Web Transactions	250	\$0.64	\$160.00
EFT Return NSF or Account Closed	1	\$14.00	\$14.00
Credit/Debit Card Web Transactions	385	\$0.49	\$188.65
Online Banking - Bank Bill Pay Transactions	23	\$0.25	\$5.75
Lock Box Service Transactions	165	\$0.58	\$95.70
Toll Free Operator Assisted Transactions	3	\$1.25	\$3.75
Toll Free IVR Transactions	2	\$1.25	\$2.50
Support, Maintenance, Hosting - Fee	1	\$100.00	\$100.00

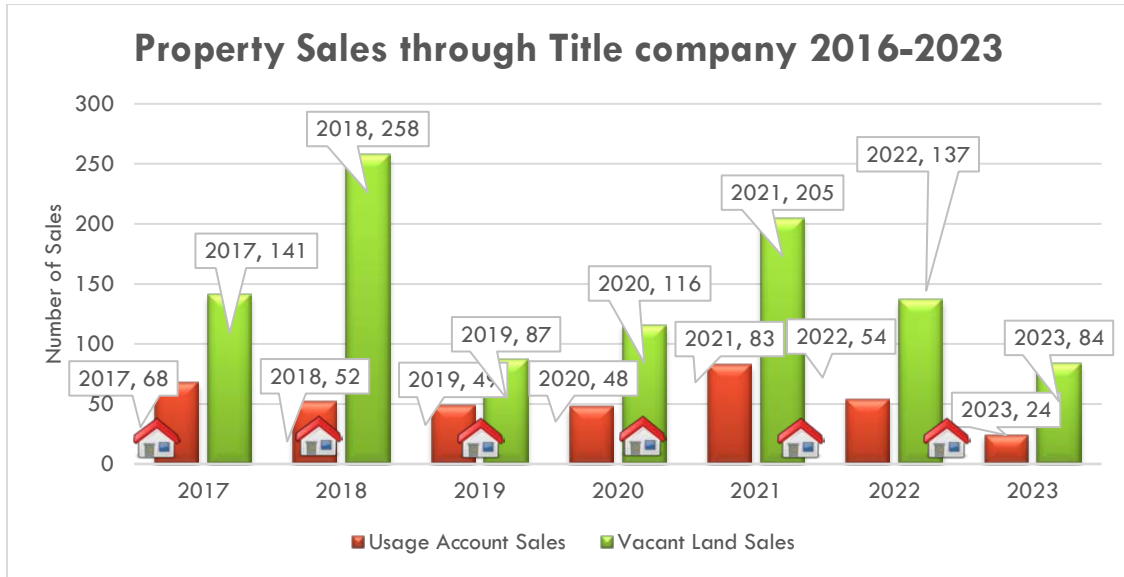
Town of Crestone Sewer 2023

Town of Crestone Sewer Billing - 2023

Date	Monthly Total	Monthly Flow	Flow Charges	Average Daily BOD	Monthly BOD	BOD Charges	Paid	Balance Due
January	434,425	3,431,957.50	\$ 3,431.96	54	1674	\$ 1,658.93	Check # 2596	02/28/2023- \$5,090.89
February	404,042	3,191,931.80	\$3,191.33	57	1596	\$1,581.64	Check #2604	03/31/2023- \$4,773.57
March	391,356	3,091,172.40	\$3,091.71	51	1581	\$1,566.77	Check #2612	04/30/2023- 4,658.48
April	484,123	3,825,282.70	\$3825.28	38	1140	\$1,129.74	Check # 2587	05/31/2023- \$4955.02
May	452,229	3,572,609.10	\$3,572.61	43	1333	\$1,321.00	Check #2630	06/30/2023- \$4,893.61
June	474,843	3,751,259.70	\$3,751.26	63	1890	\$1,872.99	Check #2630	07/31/2023- \$5,624.25
July	517,982	4,092,057.80	\$4,092.06	60	1860	\$1,843.26	Check #2636	08/31/2023- \$5,935.32
August	497,162	3,927,579.80	\$3,927.58	53	1590	\$1,575.69		09/30/2023- \$5,503.27
September								
October								
November								
December								
2023 Totals	3,656,252		\$28,884.39	419	12664	\$12,550.02		

New Rate 10/2022
Rate per 1,000 Gallons of Flow: \$7.900 / 1,000
gallons
Rate per Pound of BOD: \$0.991 /
pounds BOD

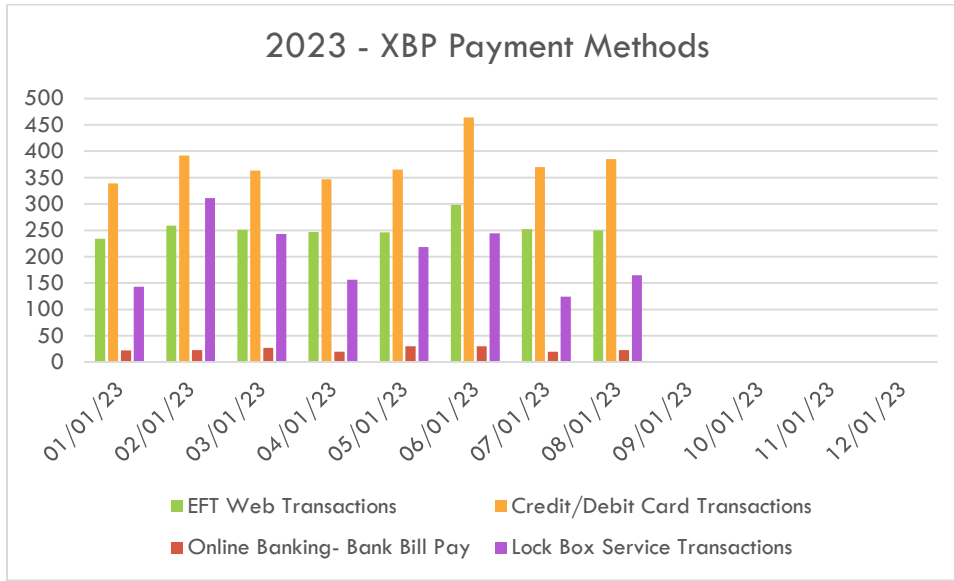
August - 2023- Property Sales: 4 - Homes, 10 - Lots



August - 2023 – Other Sales Statistic Including Name Changes:

Type	Vacant Lot	House	Total Charges
Quick Claim Deed	5	1	\$700.00
Warranty Deed	1	2	\$350.00
Treasurer's Deed	1	0	\$350.00
Bargain & Sale Deed	1	0	\$0.00
Contract for Deed	0	0	\$0.00

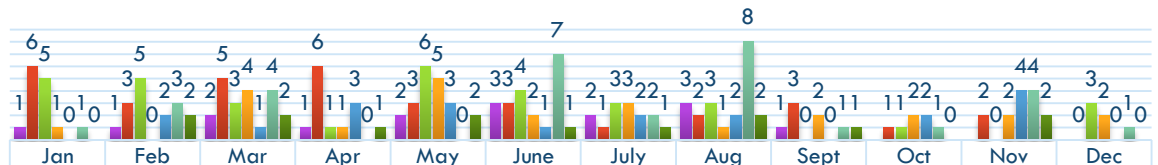
2023 - Xpress Bill Pay Customers Transactions Activity



2023 - Water and Sewer Hook up Applications

3 – Application (s) received in August. 1 – in September 16 – Total application (s) received in 2023

Water-Sewer Hookups 2016-2023

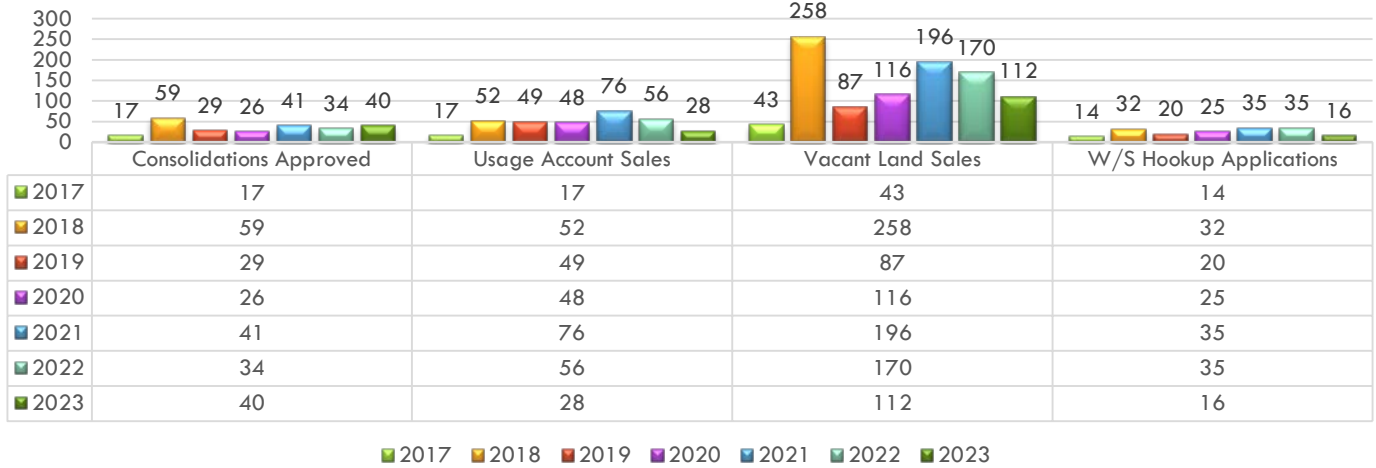


2023=16	1	1	2	1	2	3	2	3	1			
2022=35 hookups	6	3	5	6	3	3	1	2	3	1	2	0
2021=35 hookups	5	5	3	1	6	4	3	3	0	1	0	3
2020=25 hookups	1	0	4	1	5	2	3	1	2	2	2	2
2019 = 20 hookups	0	2	1	3	3	1	2	2	0	2	4	0
2018= 32 hookups	1	3	4	0	0	7	2	8	1	1	4	1
2017= 14 hookups	0	2	2	1	2	1	1	2	1	0	2	0

■ 2023=16
 ■ 2022=35 hookups
 ■ 2021=35 hookups
 ■ 2020=25 hookups
■ 2019 = 20 hookups
 ■ 2018= 32 hookups
 ■ 2017= 14 hookups

2016-2023 PROPERTY TRENDS

District Property Trends 2016-2023



Xpress Bill Pay Notification sent to customers on August 26th:

Attention: Temporary Road Closure of Panorama Way in the Baca Grande Subdivision, on Tuesday, August 29th from 8:00am to 5:00pm.

A portion of Panorama Way will be temporarily closed to traffic between the intersections of Moonlight Way and N. Chaparral Way on Tuesday, August 29th from 8:00 am to 5:00 pm.

Detours will be in place and traffic will be diverted via Moonlight Way and N. Chaparral Way.

Please see attached detour map for more information.

We apologize for any inconvenience this may cause, your understanding and cooperation is greatly appreciated.

Please slow down and use high caution while driving through the area.

If you would like any further details please contact our office at 719-256-4310.

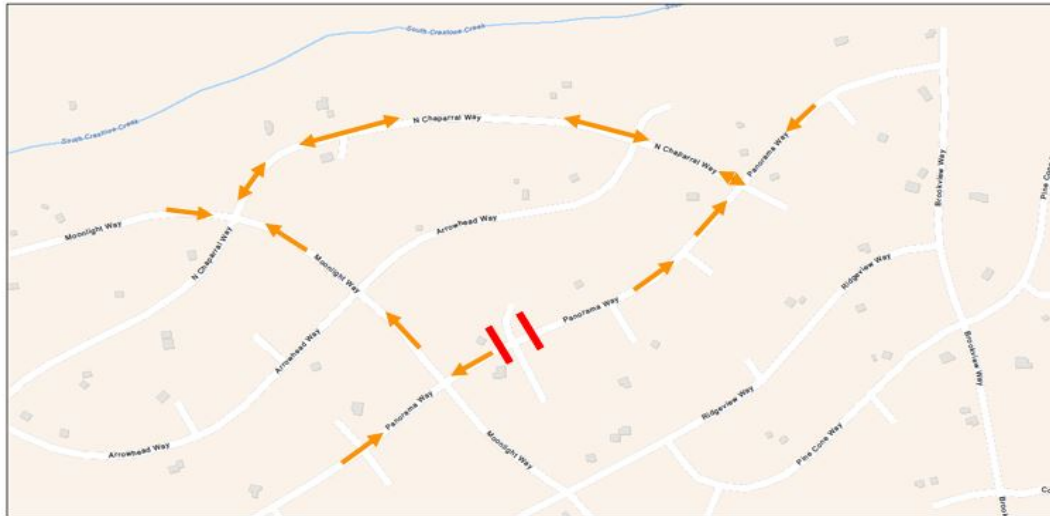
Thank you,

-BGWSD

Click to view attachment

[10319_Panorama Road Closed Map.pdf](#)

Panorama Road Closure



August 25, 2023



8/29/23 Panorama Way
Traffic Control Plan. Road
Closed for 8AM to 5PM.

1:4,514
0 0.04 0.09 0.17 mi
0 0.05 0.1 0.2 km
Esri, Community Maps Contributors, OpenStreetMap, Microsoft, Esri, HERE, Garmin, Swire, GeoTechnology, Inc., METENGA, USGS, EPA, NPS, US Census Bureau, USDA

Labor Day Reminder posted at the District Front Door

In observance of Labor Day, the District office will be closed on Monday, September 4, 2023.

We will reopen on Tuesday, September 5th at 9:00AM.

Emergencies can be called in at **719-256-4310** and an operator will be dispatched to assist you.

Enjoy a Safe and Happy Labor Day!



Baca Grande Water and Sanitation District Monthly Operations Report

September 20th, 2023



New custom shoring equipment trailer. Designed and crated by Larry Lewis. Excellent Job!



The Chain Gang. Team work to empty discharge hose.

Facilities and Staff Updates

In Service

Repaired
last month

Out of
Service

Water Facilities											
Well 18		Moonlight Transfer Station		Ridgeview Transfer Station		Fallen Tree Transfer Station		Pinecone Booster Station		Shumei Booster Station	
Pump 1	Pump 2	Pump 1	Pump 2	Pump 1	Pump 2	Pump 1	Pump 2	Pump 1	Pump 2	Pump 1	Pump 2

Wastewater Facilities									
Aspen WWTP		Stables Lift Station		Wagon Wheel Lift Station		MHE Lift Station		Dharma Ocean Lift Station	
Pump 1	Pump 2	Pump 1	Pump 2	Pump 1	Pump 2	Pump 1	Pump 2	Pump 1	Pump 2

Service Vehicles				
Truck 1	Truck 2	Truck 3	Truck 4	Truck 5

Equipment				
Vactor Truck	Dump Truck	Backhoe	Skid steer	Excavator

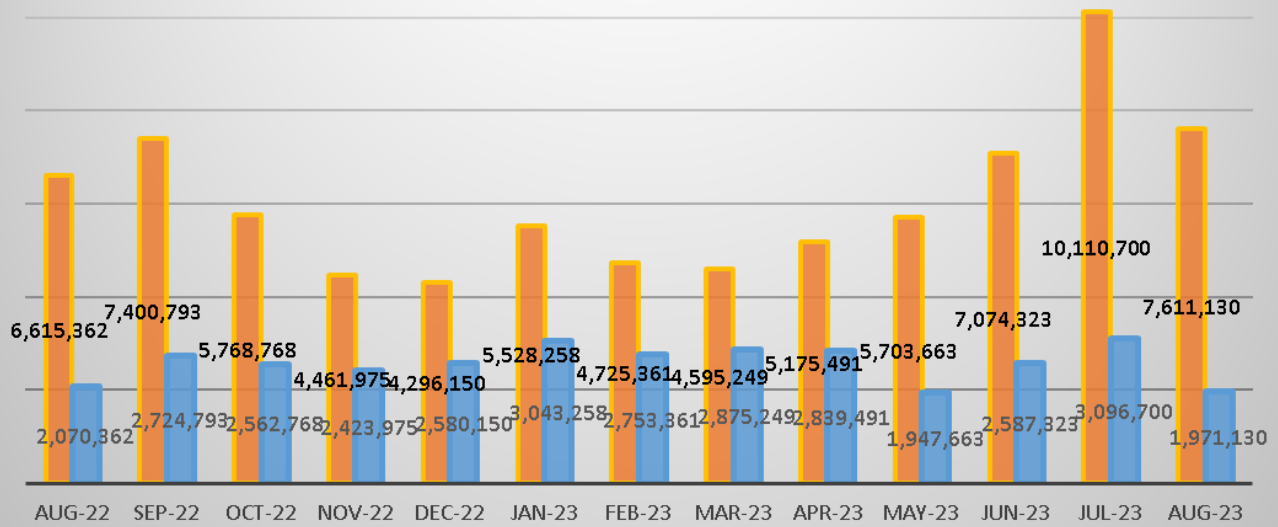
- **Dharma Ocean**
 - New Pump received waiting on parts for guide rail system to install new pump
- **Well 18**
 - Booster Pump Motor 310 Failed. Pump was sent to motor shop for evaluation.
- **Wagon Wheel Lift Station**
 - Pump 1 Failed. Pump was sent to motor shop for evaluation.
- **Accidents**
 - Happy to report no accidents in August!!

Operations Updates

- **Aspen Wastewater Treatment Plant**
 - Incubator fridge failed
 - Unable to complete laboratory analysis for BOD without this equipment
 - New incubator has been ordered
 - Samples are being sent to state lab in Denver until we receive the new incubator
- **Hill Crest Overlook Line Extension Project**
 - Project is nearing completion
 - Working on testing and punch list items
- **New Shoring Equipment Trailer Complete**
 - Excellent Work Larry!
- **SCADA Computer Upgrade**
 - SCADA computer has be upgraded By Timber Line Electric and Control Corp
 - Project nearly complete just a few bugs to work out.
- **Ongoing Summer Projects**
 - Annual fire hydrant maintenance
 - Project complete
 - Planning to replace two fire hydrants
 - Annual lead and cooper sampling- Completed
 - Annual collection system cleaning and inspections
 - Making Progress now that the Vactor is up and running!
 - Dig list (meter pit replacement, sewer mainline repair, etc.) In Process.
 - Annual Backflow Device Testing. In Process
- **Unaccounted Water**
 - Wells 17 and 18 produced 7,611,130 gallons of water in the month of August.
 - The District sold its customers 5,640,000 gallons of water in the month of August, leaving 1,971,000 gallons unaccounted for.
 - 26% of the water produced is unaccounted for in the month of August
- **Aspen WWTP and Town of Crestone Loading**
 - Aspen WWTP averaged 47% of hydraulic loading capacity in the month of August, the Town of Crestone contributed and average of 24% of the treatment plants hydraulic load. Aspen WWTP averaged 46% of organic loading capacity in the month of August. The Town of Crestone contributed an average of 36% of the treatment plants organic load.

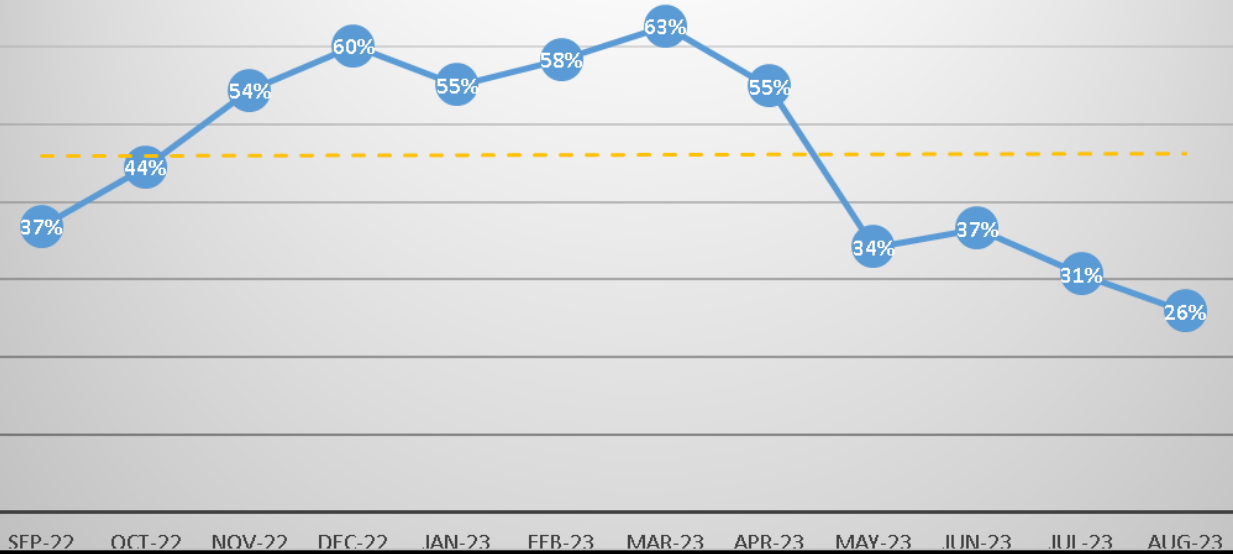
Total Unaccounted Water by Month

Well 17/18 Gallons Produced Gallons Unaccounted by Month

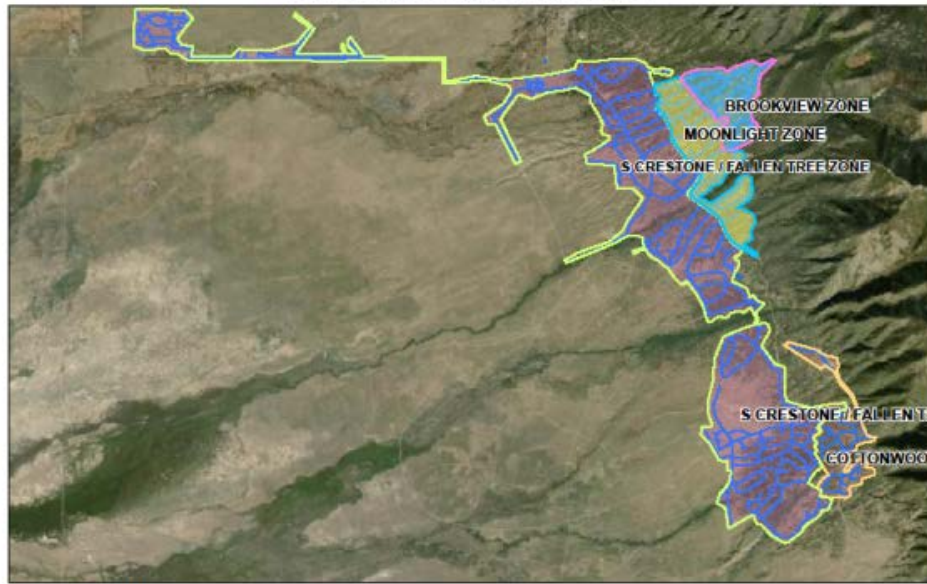


Total Unaccounted Water by Month

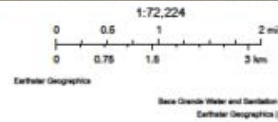
% Unaccounted Running Annual Average 46%



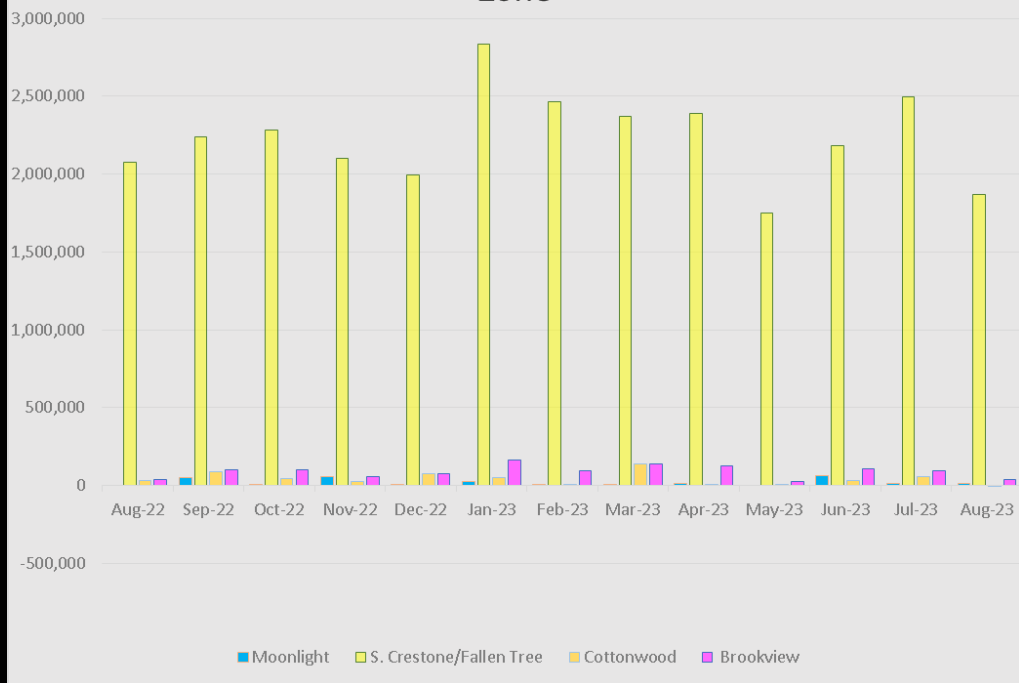
BGWS D Unaccounted Water Zone's



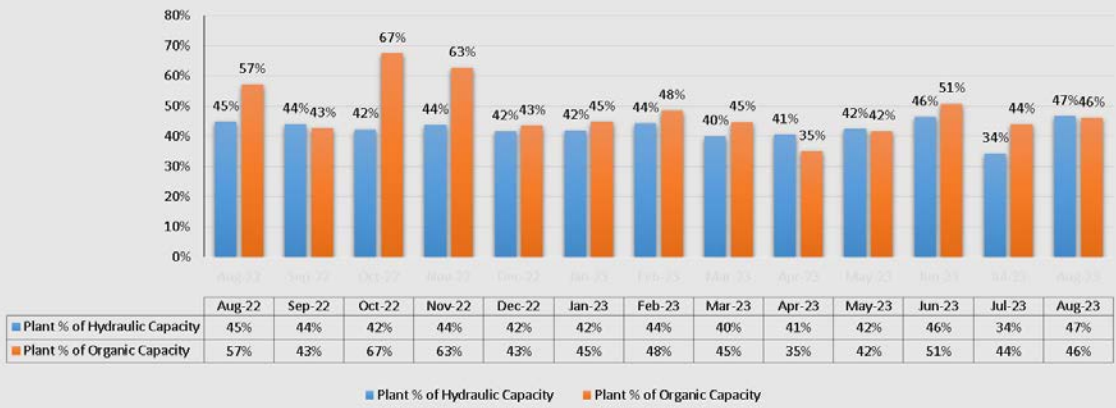
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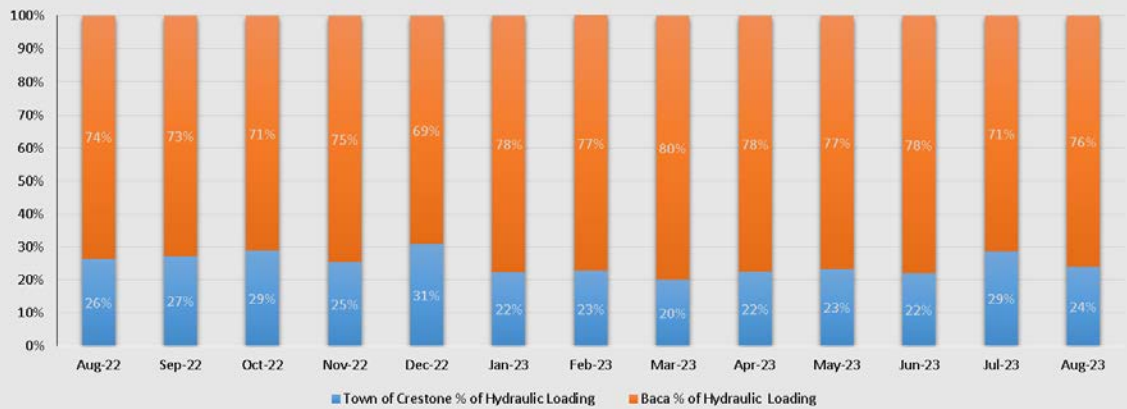
Total Monthly Unaccounted in Gallons by Pressure Zone



Percentage of Plant Capacities by Month at Aspen Wastewater Treatment Plant



Average % of Total Hydraulic Loading of Aspen Wastewater Treatment Plant by Month 2022-2023



Average % of Total Organic Loading of Aspen Wastewater Treatment Plant by Month of 2022-2023

