



TOWN OF PAONIA
214 GRAND AVENUE
REGULAR TOWN BOARD MEETING AGENDA
TUESDAY, DECEMBER 12, 2023 6:30 PM
[HTTPS://US02WEB.ZOOM.US/J/89217134762](https://us02web.zoom.us/j/89217134762)
MEETING ID: 892 1713 4762

Public Participation: Must raise hand and be recognized by the Mayor, come to the podium and state your name and the street on which you live. Time limit is 3 minutes, one time per item. Direct all comments to the Mayor. No responses will be made by staff or Board during the meeting. No derogatory or demeaning statements or public displays. Please be respectful.

Roll Call

Approval of Agenda

Announcements

1. Judging for Best Christmas Decorations began on December 8! Judge's plan to have a winner selected for the first meeting in January.
2. [Candidate](#) Packets for the April 2nd, 2024 Municipal Election
3. [The](#) Tree Board is Accepting Applications and Letters of Interest for Two Open Seats.
4. [The Zoning Board of Appeals & Adjustments is accepting](#) applications and Letters of Interest for one open seat.

Public Comment

Any topic not included under Actions & Presentations, 3-minute time limit.

Consent Agenda

Disbursements

Disbursements through end of 2023 with Finance Committee Review

Staff Reports

1. Town Administrators Report
2. [Police](#) Department Report & Blotter

Actions & Presentations

Public comments must be related to the agenda item, 3-minute time limit.

Item 1 - Public Hearing

Consideration of granting a Retail Marijuana License: North Fork Curators LLC DBA Jimmy's Joint at 119 Grand Avenue.

Item 2. Consideration of Approval for the Town to Sign a Letter of Support for the WSCC on the Thompson Divide Withdrawl – Presentation

Item 3. Consideration of Approval of signing a Letter of Support to the Colorado Economic Enterprise Zone Contribution Project for Solar Energy International – Presentation

Item 4 - Public Hearing

Consideration of Approval of Budget Amendment for Fiscal Year 2023

Item 5. Consideration of Approval for Resolution 20-2023 Water Rates and Charges

Item 6. Consideration of Approval of Ordinance 07-2023 Sewer Rates

Item 7. Public Hearing

Public Hearing and Consideration of Resolution 19-2023, a Resolution Setting the Mill Levy for 2024 and adopting the Fiscal Year 2024 Budget.

Item 8. Consideration of Approval of Ordinance 06-2023 Traffic Codes

Item 9. Consideration of Approval of Resolution 21-2023: Municipal Fines, Fees and Forfeitures

Item 10. Consideration of Approval of Staff Recommendation for selection of RFQ 2023-04 for the Hydrogeological Study

Item 11. Consideration of Approval of the contract between the Town and the Matt Laiminger/ Paonia Car Wash

Item 12. Consideration of Approval to Enhance Officer Safety Through the Purchase of Five Bulletproof Vests

Item 13. Consideration of Approval to Purchase Motorola Spillman Flex Mobile Suite Software

Item 14. Consideration of Approval to Cancel the Second Board Meeting of December

Mayor & Trustee Reports**Adjournment**

AS ADOPTED BY:
TOWN OF PAONIA, COLORADO
RESOLUTION NO. 2017-10 – Amended May 22, 2018

I. RULES OF PROCEDURE

Section 1. Schedule of Meetings. Regular Board of Trustees meetings shall be held on the second and fourth Tuesdays of each month, except on legal holidays, or as re-scheduled or amended and posted on the agenda prior to the scheduled meeting.

Section 2. Officiating Officer. The meetings of the Board of Trustees shall be conducted by the Mayor or, in the Mayor's absence, the Mayor Pro-Tem. The Town Clerk or a designee of the Board shall record the minutes of the meetings.

Section 3. Time of Meetings. Regular meetings of the Board of Trustees shall begin at 6:30 p.m. or as scheduled and posted on the agenda. Board Members shall be called to order by the Mayor. The meetings shall open with the presiding officer leading the Board in the Pledge of Allegiance. The Town Clerk shall then proceed to call the roll, note the absences and announce whether a quorum is present. Regular Meetings are scheduled for three hours, and shall be adjourned at 9:30 p.m., unless a majority of the Board votes in the affirmative to extend the meeting, by a specific amount of time.

Section 4. Schedule of Business. If a quorum is present, the Board of Trustees shall proceed with the business before it, which shall be conducted in the following manner. Note that all provided times are estimated:

- (a) Roll Call - (5 minutes)
- (b) Approval of Agenda - (5 minutes)
- (c) Announcements (5 minutes)
- (d) Recognition of Visitors and Guests (10 minutes)
- (e) Consent Agenda including Approval of Prior Meeting Minutes (10 minutes)
- (f) Mayor's Report (10 minutes)
- (g) Staff Reports: (15 minutes)
 - (1) Town Administrator's Report
 - (2) Public Works Reports
 - (3) Police Report
 - (4) Treasurer Report
- (h) Unfinished Business (45 minutes)
- (i) New Business (45 minutes)
- (j) Disbursements (15 minutes)
- (k) Committee Reports (15 minutes)
- (l) Adjournment

* This schedule of business is subject to change and amendment.

Section 5. Priority and Order of Business. Questions relative to the priority of business and order shall be decided by the Mayor without debate, subject in all cases to an appeal to the Board of Trustees.

Section 6. Conduct of Board Members. Town Board Members shall treat other Board Members and the public in a civil and polite manner and shall comply with the Standards of Conduct for Elected Officials of the Town. Board Members shall address Town Staff and the Mayor by his/her title, other Board Members by the title of Trustee or the appropriate honorific (i.e.: Mr., Mrs. or Ms.), and members of the public by the appropriate honorific. Subject to the Mayor's discretion, Board Members shall be limited to speaking two times when debating an item on the agenda. Making a motion, asking a question or making a suggestion are not counted as speaking in a debate.

Section 7. Presentations to the Board. Items on the agenda presented by individuals, businesses or other organizations shall be given up to 5 minutes to make a presentation. On certain issues, presenters may be given more time, as determined by the Mayor and Town Staff. After the presentation, Trustees shall be given the opportunity to ask questions.

Section 8. Public Comment. After discussion of an agenda item by the Board of Trustees has concluded, the Mayor shall open the floor for comment from members of the public, who shall be allowed the opportunity to comment or ask questions on the agenda item. Each member of the public wishing to address the Town Board shall be recognized by the presiding officer before speaking. Members of the public shall speak from the podium, stating their name, the address of their residence and any group they are representing prior to making comment or asking a question. Comments shall be directed to the Mayor or presiding officer, not to an individual Trustee or Town employee. Comments or questions should be confined to the agenda item or issue(s) under discussion. The speaker should offer factual information and refrain from obscene language and personal attacks.

Section 9. Unacceptable Behavior. Disruptive behavior shall result in expulsion from the meeting.

Section 10. Posting of Rules of Procedure for Paonia Board of Trustees Meetings. These rules of procedure shall be provided in the Town Hall meeting room for each Board of Trustees meeting so that all attendees know how the meeting will be conducted.

II. CONSENT AGENDA

Section 1. Use of Consent Agenda. The Mayor, working with Town Staff, shall place items on the Consent Agenda. By using a Consent Agenda, the Board has consented to the consideration of certain items as a group under one motion. Should a Consent Agenda be used at a meeting, an appropriate amount of discussion time will be allowed to review any item upon request.

Section 2. General Guidelines. Items for consent are those which usually do not require discussion or explanation prior to action by the Board, are non-controversial and/or similar in content, or are those items which have already been discussed or explained and do not require further discussion or explanation. Such agenda items may include ministerial tasks such as, but not limited to, approval of previous meeting minutes, approval of staff reports, addressing routine correspondence, approval of liquor licenses renewals and approval or extension of other Town licenses. Minor changes in the minutes such as non-material Scribner errors may be made without removing the minutes from the Consent Agenda. Should any Trustee feel there is a material error in the minutes, they should request the minutes be removed from the Consent Agenda for Board discussion.

Section 3. Removal of Item from Consent Agenda. One or more items may be removed from the Consent Agenda by a timely request of any Trustee. A request is timely if made prior to the vote on the Consent Agenda. The request does not require a second or a vote by the Board. An item removed from the Consent Agenda will then be discussed and acted on separately either immediately following the consideration of the Consent Agenda or placed later on the agenda, at the discretion of the Board.

III. EXECUTIVE SESSION

Section 1. An executive session may only be called at a regular or special Board meeting where official action may be taken by the Board, not at a work session of the Board. To convene an executive session, the Board shall announce to the public in the open meeting the topic to be discussed in the executive session, including specific citation to the statute authorizing the Board to meet in an executive session and identifying the particular matter to be discussed “in as much detail as possible without compromising the purpose for which the executive session is authorized.” In the event the Board plans to discuss more than one of the authorized topics in the executive session, each should be announced, cited and described. Following the announcement of the intent to convene an executive session, a motion must then be made and seconded. In order to go into executive session, there must be the affirmative vote of two thirds (2/3) of Members of the Board.

Section 2. During executive session, minutes or notes of the deliberations should not be taken. Since meeting minutes are subject to inspection under the Colorado Open Records Act, the keeping of minutes would defeat the private nature of executive session. In addition, the deliberations carried out during executive session should not be discussed outside of that session or with individuals not participating in the session. The contents of an executive session are to remain confidential unless a majority of the Trustees vote to disclose the contents of the executive session.

Section 3. Once the deliberations have taken place in executive session, the Board should reconvene in regular session to take any formal action decided upon during the executive session. If you have questions regarding the wording of the motion or whether any other information should be disclosed on the record, it is essential for you to consult with the Town Attorney on these matters.

IV. SUBJECT TO AMENDMENT

Section 1. Deviations. The Board may deviate from the procedures set forth in this Resolution, if, in its sole discretion, such deviation is necessary under the circumstances.

Section 2. Amendment. The Board may amend these Rules of Procedures Policy from time to time.



**TOWN OF PAONIA
BOARD OF TRUSTEES MEETING
STAFF REPORT**

AGENDA ITEM:	Candidate Election Packets
SUBMITTED BY:	Samira Vetter, Town Clerk
DATE:	December 12, 2023
BACKGROUND:	<p>The Municipal Election will be held April 2, 2024 and the Board of Trustees will have 3 Trustee and the Mayor seat up for election.</p> <p>Election packets will be available at the Town Hall at 214 Grand Avenue on January 2, 2024 with a deadline for return of January 22, 2024.</p>
BUDGET:	N/A
RECOMMENDATION:	Give your time to this valuable and meaningful service to your community!
ATTACHMENT:	Article 2 of the Paonia Municipal Code

ARTICLE 2. MAYOR AND BOARD OF TRUSTEES

Sec. 2-2-10. Board of Trustees; terms, authority, qualifications and vacancies.

- (a) *Four-year terms for Trustees.* At the April 6, 1976 election, six (6) Trustees shall be elected. The three (3) candidates for Trustee receiving the highest number of votes shall be elected for four-year terms, and the three (3) candidates for Trustee receiving the next highest numbers of votes shall be elected for two-year terms. At the next subsequent election and at each regular election thereafter, three (3) Trustees shall be elected to serve four-year terms.
- (b) *Authority.* The Board of Trustees shall constitute the legislative body of the Town, shall have the power and authority, except as otherwise provided by statute, to exercise all power conferred upon or possessed by the Town, and shall have the power and authority to adopt such laws, ordinances and resolutions as it shall deem proper in the exercise thereof.
- (c) *Qualifications.* Each Trustee shall be a resident of the Town and a registered elector who has resided within the Town limits for a period of at least twelve (12) consecutive months immediately preceding the date of the election. However, in case of annexation of property, any person who has resided within the annexed territory for the time prescribed in this Subsection shall be deemed to have met the residence requirements for the Town.
- (d) *Removal from office.* By a majority vote of all members of the Board of Trustees, the Mayor or any Trustee may be removed from office. No such removal shall be made without a charge in writing and an opportunity of hearing being given unless the officer against whom the charge is made has moved out of the Town limits. When any officer ceases to reside within the Town limits, he or she may be removed from office pursuant to this Subsection.
- (e) *Vacancies.* The Board of Trustees shall have power, by appointment, to fill all vacancies in the Board of Trustees or in any other elected office, and the person so appointed shall hold office until the next regular election and until his or her successor is elected and qualified. If the term of the person creating the vacancy was to extend beyond the next regular election, the person elected to fill the vacancy shall be elected for the unexpired term. Where vacancies exist in the offices of Trustee and successors are to be elected at the next election to fill the unexpired terms, the three (3) candidates for Trustee receiving the highest number of votes shall be elected to four-year terms, and the candidates receiving the next highest number of votes, in descending order, shall be elected to fill the unexpired terms.

(Ord. No. 336, 1974; Ord. No. 2014-04, § 1, 1-13-2015)

Sec. 2-2-20. Mayor.

- (a) *Four-year terms for Mayor.* Every four (4) years, at the Town's regular election, a Mayor shall be elected to serve a four-year term. The Mayor shall meet the same qualifications as a Trustee and, in the event of a vacancy in the office of Mayor, such vacancy shall be filled in the same manner as a vacancy in the office of Trustee, as set forth in Section 2-2-10 above.
- (b) The Mayor shall preside over all meetings of the Board of Trustees. The Mayor shall not count for the purpose of determining a quorum of the Board of Trustees. The Mayor shall only be entitled to vote on a question in the event of a tie vote of the Board of Trustees.

- (c) Any ordinance adopted and all resolutions authorizing the expenditure of money or the entering into of a contract require the approval and signature of the Mayor before they become valid. Such ordinance or resolution shall be presented to the Mayor within forty-eight (48) hours after the action of the Board of Trustees for the Mayor's signature approving the same. In the event the Mayor disapproves of the resolution or ordinance, the Mayor shall return such ordinance or resolution to the Board of Trustees at its next regular meeting with his or her objections in writing. The Board of Trustees shall cause such objections to be entered onto the record and shall proceed at the same or next subsequent meeting to consider the question: "Shall the ordinance or resolution, notwithstanding the Mayor's objections, be passed?" If four (4) of the members of the Board of Trustees vote in the affirmative, such resolution shall be valid, and such ordinance shall become a law the same as if it had been approved by the Mayor. If the Mayor fails to return to the next subsequent meeting of the governing body any resolution or ordinance presented to the Mayor for his or her approval, the same shall become a valid ordinance or resolution, as the case may be, in like manner as if it had been approved by the Mayor.
- (d) The Mayor shall perform such duties as may be required of him or her by statute or ordinance. Insofar as is required by statute and for all ceremonial purposes, the Mayor shall be the executive head of the Town. In case of the nonattendance of the Mayor at any meeting of the Board of Trustees, the Mayor Pro Tem shall preside.
- (e) The Mayor shall execute and authenticate by his or her signature all bonds, warrants, contracts and instruments of and concerning the business of the Town, as the Trustees or any statutes or ordinances may require.
- (f) Except as may be required by statute, the Mayor shall exercise only such powers as the Trustees shall specifically confer upon him or her.

(Ord. No. VIII, § 1, 1910; Ord. No. 336, 1974; Ord. No. 2014-04, § 1, 1-13-2015; Ord. No. 2020-03, § 2, 3-24-2020; Ord. No. 2020-04, § 2, 4-6-2020)

Sec. 2-2-30. Mayor Pro Tem.

- (a) The Mayor Pro Tem is chosen by the Board of Trustees from the Board of Trustees.
- (b) In the absence of the Mayor from any meeting of the Board of Trustees or during the Mayor's absence from the Town or his or her inability to act, the Mayor Pro Tem shall perform the Mayor's duties.
- (c) In the event the Mayor Pro Tem is performing the Mayor's duties pursuant to this Code or the statutes of the State, the Mayor Pro Tem shall continue to be counted to determine the existence of a quorum and to have all the rights, obligations and authority of a Trustee, including the right to vote. However, the Mayor Pro Tem does not have the authority to determine the outcome of a tied vote of the Board of Trustees or the power of veto, such powers and authority being personal only to the Mayor, pursuant to Section 31-4-302, C.R.S. , and the ordinances of the Town.

(Ord. No. 2002-08, 2002; Ord. No. 2014-04, § 1, 1-13-2015)

Sec. 2-2-40. Acting Mayor.

In the event of the absence or disability of both the Mayor and the Mayor Pro Tem, the Trustees may designate another Trustee to serve as acting Mayor during such absence or disability.

(Ord. No. 2014-04, § 1, 1-13-2015)

Sec. 2-2-50. Compensation.

- (a) The salaries of elected officers of the Town shall be as follows:
- (1) Mayor: \$200.00 per month, payable quarterly.
 - (2) Trustees: \$100.00 per month, payable quarterly.
 - (3) The compensation paid to any member of the Board of Trustees, including the Mayor, shall not be increased or diminished for the term of office for which he or she has been elected or appointed. Any Mayor or Trustee who has resigned or vacated an office prior to the end of his or her elective or appointed term shall not be eligible to election or reappointment to the same during such term if the rate of compensation has been increased.
- (b) The Mayor and members of the Board are expected to attend all scheduled meetings. Members of the Board shall provide the Mayor with advance notice of any anticipated absence from a scheduled meeting when possible, and the Mayor shall provide such notice to the Mayor Pro Tem.

(Ord. No. 2-9-82, §§ 1, 2, 1982; Ord. No. 2014-08, §§ 1, 2, 10-14-2014; Ord. No. 2014-04, § 1, 1-13-2015)

Sec. 2-2-60. Regular meetings.

The regular Board of Trustees meetings will be held on the second and fourth Tuesday of each month, except when necessary business requires that the work session be duly posted and conducted as an official Board of Trustee meeting and except on legal holidays, when no meeting shall be held.

(Ord. No. 90-04, 1990; Ord. No. 2014-04, § 1, 1-13-2015; Ord. No. 2022-01, § 2, 2-22-2022; Ord. No. 2022-06, § 2, 9-8-2022)

Sec. 2-2-70. Special meetings.

- (a) Any four (4) members of the Board of Trustees may call special meetings by written notice to each member of the Board of Trustees, personally served or left at the member's usual place of residence by the Town Clerk, at least forty-eight (48) hours in advance of the meeting.
- (b) The Board of Trustees at any duly convened meeting may, by majority vote, call a special meeting for a future date. Notice of such meeting shall be given to any member of the Board of Trustees not in attendance.
- (c) Should the Board of Trustees convene for a special meeting pursuant to a request of an interested party for the purpose of accommodating time constraints of said interested party, the Board of Trustees may, in its discretion, assess fees for the special meeting against the interested party. The Board of Trustees may from time to time by resolution adopt a schedule of fees which may be assessed for special meetings. Said fees shall reasonably compensate the Town staff and the Town Attorney for time spent in preparation for attendance at special meetings.

(Ord. No. 2014-04, § 1, 1-13-2015)

Sec. 2-2-80. Conduct of meetings; voting.

- (a) Meetings of the Board of Trustees shall be conducted by the Mayor, according to the most recent version of *Robert's Rules of Order, Revised*.

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- (b) At the hour appointed for the meeting, the members shall be called to order by the Mayor or, in his or her absence, by the Mayor Pro Tem. The Town Clerk shall proceed to call the roll, note the absentees and announce whether a quorum is present. If a quorum is present, the Board of Trustees shall then proceed with the business before it.
 - (c) Questions relative to the priority of business and order shall be decided by the Mayor without debate subject in all cases to an appeal to the Board of Trustees.
 - (d) Any motion or resolution shall be reduced to writing if required by the Mayor or a member of the Board of Trustees.
 - (e) A motion to adjourn shall always be in order and shall be decided without debate.
 - (f) The Town Clerk shall serve all notices of special meetings.
 - (g) The Town Clerk shall have charge of the Board room, and shall attend the meetings of the Board of Trustees.
- (Ord. No. VIII, §§ 2—11, 1910; Ord. No. 2014-04, § 1, 1-13-2015; Ord. No. 2014-09, § 1(D), 1-13-2015; Ord. No. 2017-10, § 2, 7-25-2017)

Sec. 2-2-90. Boards and commissions.

The Board of Trustees shall create and appoint members to such boards and commissions as may now or hereafter exist, including but not limited to the following:

- (1) Planning Commission;
- (2) Tree Board; and
- (3) Zoning Board of Adjustment.

(Ord. No. 2014-04, § 1, 1-13-2015)



**TOWN OF PAONIA
BOARD OF TRUSTEES MEETING
STAFF REPORT**

AGENDA ITEM:	The Tree Board is Accepting Applications and Letters of Interest for Two Open Seats.
SUBMITTED BY:	Samira Vetter, Town Clerk
DATE:	December 12, 2023
BACKGROUND:	<p>One seat is coming available after a motion at the September 12, 2023 regular meeting to Reappoint a Tree Board member until January of 2024, the second seat is opening up due to a term ending.</p> <p>Many members of the public showed interest at the September 12th meeting of wanting an opportunity to serve on the Tree Board and needing adequate notice to apply; so I anticipate the Town should get plenty of Board Applications and Letters of Interest for these positions.</p> <p>Interested parties should fill out a Board and Committee application (available at the Town Hall: 214 Grand Avenue or on our website: https://townofpaonia.colorado.gov and write a Letter of Interest and have these items turned in to the Town Clerk by 4pm, January 5th, 2024; so the Board of Trustees can make appointments at the January 9th, 2024 Regular Meeting.</p>
BUDGET:	N/A
RECOMMENDATION:	Be an important part of serving your community by applying for service on the Tree Board!!
ATTACHMENT:	Article 7 of the Paonia Municipal Code

ARTICLE 7. TREE BOARD

Sec. 2-7-10. Purpose.

It is the purpose of the Town to promote and protect the public health, safety, and general welfare by providing for the regulation of planting, maintenance, and removal of trees on Town-owned property and within town rights-of-way. There is hereby created a Tree Board which shall be advisory in character and will represent the Paonia community in providing guidance and input to the Town Administrator, Town Board of Trustees, and Town staff on trees as defined under Article 7, Section 2-7-30.

(Ord. No. 2014-04, § 1, 1-13-2015; Ord. No. 2014-09, § 5, 1-13-2015; Ord. No. 2020-05, § 2, 5-26-2020; Ord. No. 2021-04, § 2, 6-8-2021)

Sec. 2-7-20. Membership; terms.

The Tree Board shall consist of a minimum of two (2) and a maximum of six (6) volunteer community members, who need not reside within the limits of the Town and one (1) member of the Board of Trustees. Members shall serve without compensation. There will be a chair and secretary of the Tree Board, as chosen by majority vote of its members. All Tree Board members shall be appointed by the Board of Trustees. The terms of office for the Tree Board shall be two (2) years renewable by the Board of Trustees; and the member of the Board of Trustees consistent with his/her term of office.

(Ord. No. 98-05, § 3, 1998; Ord. No. 2005-02, 2005; Ord. No. 2014-04, § 1, 1-13-2015; Ord. No. 2014-09, § 5, 1-13-2015; Ord. No. 2020-05, § 2, 5-26-2020; Ord. No. 2021-04, § 2, 6-8-2021)

Sec. 2-7-30. Duties.

- (a) It shall be the responsibility of the Tree Board to advise the Town Board and Town Administrator about the selection, planting, and care of trees in the town of Paonia referring when applicable to the most recent guidelines document or master plan.
- (b) The Tree Board shall support and promote healthy horticultural practices for our climate through public education by celebrating Arbor Day every year, by maintaining a website, and through other community events.
- (c) The Tree Board shall prepare, in a timely fashion, the Tree City USA application and information required to maintain the Town of Paonia's status as a Tree City USA community, as approved by the National Arbor Day Foundation.
- (d) The Tree Board, when requested by the Town Administrator, shall consider, investigate, make findings, report, and recommend upon any special matter of question coming within the scope of its work and expertise.

(Ord. No. 98-05, § 4, 1998; Ord. No. 2014-04, § 1, 1-13-2015; Ord. No. 2014-09, § 5, 1-13-2015; Ord. No. 2020-05, § 2, 5-26-2020; Ord. No. 2021-04, § 2, 6-8-2021)



**TOWN OF PAONIA
BOARD OF TRUSTEES MEETING
STAFF REPORT**

AGENDA ITEM:	Accepting Applications and Letters of Interest for Open Seat on the Zoning Board of Appeals & Adjustments
SUBMITTED BY:	Samira Vetter, Town Clerk
DATE:	December 12, 2023
BACKGROUND:	<p>With the Appointment of Suzanne Watson to the Planning Commission on September 12, 2023 a seat became open on the Zoning Board of Adjustments & Appeals that has yet to have receive any applicants or Letters of Interest.</p> <p>Board & Committee applications (available at Town Hall: 214 Grand Avenue or on the Town's website at https://townofpaonia.colorado.gov) and a Letter of Interest should be turned into the Town Clerk no later than 4pm, January 5, 2024 so the Board of trustees can make an Appointment at the January 9, 2024 Regular Meeting.</p>
BUDGET:	N/A
RECOMMENDATION:	Give Public Service a try on this very important but not as <i>scheduled</i> time consuming Board!
ATTACHMENT:	Article 8 of the Paonia Municipal Code

ARTICLE 8. ZONING BOARD OF ADJUSTMENT

Sec. 2-8-10. Creation.

A Zoning Board of Adjustment, referred to in this Article as the "Board," is hereby created.

(Ord. No. 2000-02, Art. XXI, 2000; Ord. No. 2014-04, § 1, 1-13-2015)

Sec. 2-8-20. Organization.

The Board shall have five (5) members; one (1) membership shall be filled by a current member of the Planning Commission. Appointment to membership shall be by the Board of Trustees for a term of three (3) years. Vacancies on the Board shall be filled for the remaining term in the same manner as the initial appointment. The Board shall elect from its membership a chair, secretary and such other officers as it may deem necessary during its first meeting of each calendar year, and shall adopt such rules as may be necessary for the conduct of its business.

(Ord. No. 2000-02, Art. XXI, 2000; Ord. No. 2014-04, § 1, 1-13-2015)

Sec. 2-8-30. Meetings.

Meetings of the Board shall be held at the call of the Chair. All meetings shall be open to the public. Members of the Board shall be notified at least twenty-four (24) hours prior to the time of the meetings. The Board shall keep minutes of its proceedings showing the vote of each member upon each question or, if absent or failing to vote, indicating such fact, and shall keep records of its examinations and other official actions, all of which shall be immediately filed in the office of the Board and shall be a public record.

(Ord. No. 2000-02, Art. XXI, 2000; Ord. No. 2014-04, § 1, 1-13-2015)

Sec. 2-8-40. Powers and duties.

Upon appeal, the Board shall have the following powers:

- (1) To hear and decide appeals where it is alleged by the appellant that there is error in any order, requirement, decision or refusal by an administrative official or agency based on or made in the enforcement of Chapter 16 of this Code.
- (2) To hear and decide appeals wherein there is question on the interpretation of the Zone District Map or similar questions as they may arise in the administration of Chapter 16 of this Code.
- (3) To hear and decide appeals for special exceptions to the provisions of this Code, such exceptions to be known as variances.

(Ord. No. 2000-02, Art. XXI, 2000; Ord. No. 2014-04, § 1, 1-13-2015)

Report Criteria:

[Report].GL Period = 12/23
 [Report].Payment Due Date = {>=} 12/12/2023

Invoice	Seq	Type	Description	Invoice Date	Total Cost	Terms	GL Account Description	Description
Payment Due Date		1099	PO Number GL Posting Period		GL Account Number		Recurring Payment	
ADP, INC (1352)								
648052062	1	Invoice	PROCESS CHARGES FOR PERIOD ENDING 1	12/01/2023	198.80	Open Terms	DATA PROCESSING	PROCESS CHARGES FOR PERI
12/12/2023		None		12/23 10-41-33			No	
Total 648052062:					198.80			
Total 12/05/2023:					198.80			

12/5/2023 GL Period Summary

GL Period	Amount
12/23	198.80
Grand Totals:	198.80

Total ADP, INC (1352): 198.80

All Copy Products Inc (1268)

5027458339	1	Invoice	SHARP PRINTER	11/10/2023	359.31	Net 30 days	DUES & SUBSCRIPTIONS	SHARP PRINTER
12/12/2023		None		12/23 10-41-31			No	
Total 5027458339:					359.31			
5027075131	1	Invoice	SHARP PRINTER LEASE	10/12/2023	983.59	Net 30 days	DUES & SUBSCRIPTIONS	SHARP PRINTER LEASE
12/12/2023		None		12/23 10-41-31			No	
Total 5027075131:					983.59			
5025894539	1	Invoice	SHARP PRINTER	07/12/2023	386.90	Net 30 days	DUES & SUBSCRIPTIONS	SHARP PRINTER
12/12/2023		None		12/23 10-41-31			No	

Invoice	Seq	Type	Description	Invoice Date	Total Cost	Terms	GL Account Description	Description
Payment Due Date		1099	PO Number	GL Posting Period	GL Account Number	Recurring Payment		
Total 5025894539:					386.90			
Total 12/08/2023:					1,729.80			

12/8/2023 GL Period Summary

GL Period	Amount
12/23	1,729.80
Grand Totals:	1,729.80

Total All Copy Products Inc (1268): 1,729.80

Archuleta, Benny (1245)

Invoice	Seq	Type	Description	Invoice Date	Total Cost	Terms	GL Account Description	Description
ARCH12-1-2	1	Invoice	CERTIFIED OPERATOR IN RESPONSIBLE CHA	12/01/2023	1,500.00	Open Terms	CONTRACT SERVICES	CERTIFIED OPERATOR IN RES
12/12/2023		Nonemployee		12/23	60-50-42		No	
Total ARCH12-1-2023:					1,500.00			
Total 12/05/2023:					1,500.00			

12/5/2023 GL Period Summary

GL Period	Amount
12/23	1,500.00
Grand Totals:	1,500.00

Total Archuleta, Benny (1245): 1,500.00

Invoice	Seq	Type	Description	Invoice Date	Total Cost	Terms	GL Account Description	Description
Payment Due Date		1099	PO Number	GL Posting Period	GL Account Number		Recurring Payment	
Bolinger & Queen Inc (14)								
129554/1	1	Invoice	COUPLERS, NIPPLES	11/30/2023	203.60	Net 30 days	REPAIRS & MAINTENANCE	COUPLERS, NIPPLES
12/12/2023		None		12/23	60-50-22		No	
Total 129554/1:					203.60			
Total 12/05/2023:					203.60			

12/5/2023 GL Period Summary

GL Period	Amount
12/23	203.60
Grand Totals:	203.60

Total Bolinger & Queen Inc (14): 203.60

Caselle, Inc (21)

129207	1	Invoice	Admin	12/01/2023	68.05	Open Terms	DATA PROCESSING	Admin
12/12/2023		None		12/23	10-43-33		No	
Total 129207:					68.05			
129207	2	Invoice	PD	12/01/2023	68.05	Open Terms	Data Processing	PD
12/12/2023		None		12/23	10-42-33		No	
Total 129207:					68.05			
129207	3	Invoice	Build	12/01/2023	68.05	Open Terms	DATA PROCESSING	Build
12/12/2023		None		12/23	10-43-33		No	
Total 129207:					68.05			
129207	4	Invoice	Streets	12/01/2023	40.83	Open Terms	DUES & SUBSCRIPTIONS	Streets
12/12/2023		None		12/23	10-45-31		No	

Invoice	Seq	Type	Description	Invoice Date	Total Cost	Terms	GL Account Description	Description
Payment Due Date		1099	PO Number	GL Posting Period	GL Account Number	Recurring Payment		
Total 129207:					40.83			
129207	5	Invoice	Parks	12/01/2023	27.22	Open Terms	CONTRACT SERVICES	Parks
12/12/2023		None		12/23	10-46-42		No	
Total 129207:					27.22			
129207	6	Invoice	Water	12/01/2023	449.13	Open Terms	DATA PROCESSING	Water
12/12/2023		None		12/23	60-50-33		No	
Total 129207:					449.13			
129207	7	Invoice	Sewer	12/01/2023	449.13	Open Terms	DATA PROCESSING	Sewer
12/12/2023		None		12/23	70-51-33		No	
Total 129207:					449.13			
129207	8	Invoice	Trash	12/01/2023	190.54	Open Terms	DATA PROCESSING	Trash
12/12/2023		None		12/23	80-52-33		No	
Total 129207:					190.54			
Total 12/07/2023:					1,361.00			

12/7/2023 GL Period Summary

GL Period	Amount
12/23	1,361.00
Grand Totals:	1,361.00

Total Caselle, Inc (21): 1,361.00

CEBT (1320)

Invoice	Seq	Type	Description	Invoice Date	Total Cost	Terms	GL Account Description	Description
Payment Due Date	1099		PO Number	GL Posting Period	GL Account Number	Recurring Payment		
INV0061853	1	Invoice	BENEFITS PERIOD 2023-12	12/01/2023	19,617.80	Net 30 days	HEALTH/LIFE INSURANCE	BENEFITS PERIOD 2023-12
12/12/2023		None		12/23	10-0223		No	
Total INV0061853:					19,617.80			
Total 12/06/2023:					19,617.80			

12/6/2023 GL Period Summary

GL Period	Amount
12/23	19,617.80
Grand Totals:	19,617.80

Total CEBT (1320): 19,617.80

Cedar Creek Supply LLC (1284)

INV-0265	1	Invoice	T-CHLOR 12.5% SODIUM HYPOCHLORITE	11/30/2023	955.75	Open Terms	OPERATING SUPPLIES	T-CHLOR 12.5% SODIUM HYPO
12/12/2023		None		12/23	60-50-16		No	
Total INV-0265:					955.75			
INV-0266	1	Invoice	TREATMENT CHEMICALS	11/29/2023	1,685.75	Open Terms	OPERATING SUPPLIES	TREATMENT CHEMICALS
12/12/2023		None		12/23	70-51-16		No	
Total INV-0266:					1,685.75			
Total 12/05/2023:					2,641.50			

12/5/2023 GL Period Summary

GL Period	Amount
12/23	2,641.50

GL Period	Amount
Grand Totals:	<u>2,641.50</u>

Total Cedar Creek Supply LLC (1284): 2,641.50

CivicPlus (995)

280325	1	Invoice	MUNICODE PAGES, GRAPHICS, FREIGHT	10/24/2023	3,725.74	Open Terms	PUBLISHING & ADS	MUNICODE PAGES, GRAPHICS,
12/12/2023		Nonemployee		12/23 10-41-30			No	

Total 280325: 3,725.74

Total 12/05/2023: 3,725.74

12/5/2023 GL Period Summary

GL Period	Amount
12/23	<u>3,725.74</u>
Grand Totals:	<u>3,725.74</u>

Total CivicPlus (995): 3,725.74

Colorado Municipal League Inc (30)

11012023	1	Invoice	Membership Dues 01/01/2024-12/31/2024	11/02/2023	1,078.00	Net 30 days	DUES & SUBSCRIPTIONS	Membership Dues 01/01/2024-12/
12/12/2023		None		12/23 10-41-31			No	

Total 11012023: 1,078.00

Total 12/07/2023: 1,078.00

12/7/2023 GL Period Summary

GL Period	Amount
12/23	1,078.00
Grand Totals:	1,078.00

Total Colorado Municipal League Inc (30): 1,078.00

Column Software PBC (1183)

Invoice #	Type	Description	Invoice Date	Due Date	Amount	Terms	Category	Item Description
8DFD59D8-0	1 Invoice	NOTICE PUBLICATION OF DCI000161 - SET MI	11/24/2023	12/23	18.92	Open Terms	PUBLISHING & ADS	NOTICE PUBLICATION OF DCI0
12/12/2023	None			10-41-30			No	
Total 8DFD59D8-0051:					<u>18.92</u>			
Total 12/05/2023:					<u>18.92</u>			

12/5/2023 GL Period Summary

GL Period	Amount
12/23	18.92
Grand Totals:	18.92

Total Column Software PBC (1183): 18.92

Delta County Landfill (56)

Invoice #	Type	Description	Invoice Date	Due Date	Amount	Terms	Category	Item Description
411171	1 Invoice	Landfill Fee	11/27/2023	12/23	403.00	Net 30 days	LANDFILL FEES	Landfill Fee
12/12/2023	None			80-52-42			No	
Total 411171:					<u>403.00</u>			
Total 12/05/2023:					<u>403.00</u>			

12/5/2023 GL Period Summary

GL Period	Amount
12/23	403.00
Grand Totals:	403.00

Total Delta County Landfill (56): 403.00

Delta Montrose Electric Assn. (43)

20886100 12	1 Invoice	HWY 133 (SEWAGE TREATMENT PLANT)	12/08/2023	109.78	Open Terms	UTILITIES	HWY 133 (SEWAGE TREATMEN
12/12/2023	None		12/23 70-51-28			No	

Total 20886100 121223: 109.78

3080095000	1 Invoice	12762 ROEBER RD WATER TREAT. PLANT	12/04/2023	1,432.36	Net 30 days	UTILITIES	12762 ROEBER RD WATER TRE
12/12/2023	None		12/23 60-50-28			No	

Total 3080095000 01022024: 1,432.36

3080629100	1 Invoice	41576 LAMBORN MESA RD FILTRATION PLAN	12/04/2023	203.16	Net 30 days	UTILITIES	41576 LAMBORN MESA RD FILT
12/12/2023	None		12/23 60-50-28			No	

Total 3080629100 01022024: 203.16

3100701901	1 Invoice	41010 LAMBORN RD	12/04/2023	119.89	Net 30 days	UTILITIES	41010 LAMBORN RD
12/12/2023	None		12/23 60-50-28			No	

Total 3100701901 01022024: 119.89

310000300 0	1 Invoice	LAMBORN RESVR	12/04/2023	47.79	Net 30 days	UTILITIES	LAMBORN RESVR
12/12/2023	None		12/23 60-50-28			No	

Total 310000300 01022024: 47.79

3080270000	1 Invoice	501 BOX ELDER (BEHIND)	12/04/2023	42.10	Net 30 days	UTILITIES	501 BOX ELDER (BEHIND)
12/12/2023	None		12/23 10-46-28			No	

Total 3080270000 01022024: 42.10

Total 12/08/2023: 1,955.08

Invoice	Seq	Type	Description	Invoice Date	Total Cost	Terms	GL Account Description	Description
Payment Due Date		1099	PO Number	GL Posting Period	GL Account Number		Recurring Payment	

12/8/2023 GL Period Summary

GL Period	Amount
12/23	1,955.08
Grand Totals:	1,955.08

Total Delta Montrose Electric Assn. (43): 1,955.08

Dependable Lumber, Inc. (46)

2311-010725	1	Invoice	PD TARGET STANDS	11/17/2023	93.60	Net 30 days	OPERATING SUPPLIES	PD TARGET STANDS
12/12/2023		None		12/23 10-42-16			No	
Total 2311-010725:					<u>93.60</u>			
2311-011052	1	Invoice	PD TARGET STANDS	11/20/2023	13.58	Net 30 days	OPERATING SUPPLIES	PD TARGET STANDS
12/12/2023		None		12/23 10-42-16			No	
Total 2311-011052:					<u>13.58</u>			
2311-011391	1	Invoice	HOLE SAW & ARBOR FOR METER LIDS	11/22/2023	33.98	Net 30 days	REPAIRS & MAINTENANCE	HOLE SAW & ARBOR FOR MET
12/12/2023		None		12/23 60-50-22			No	
Total 2311-011391:					<u>33.98</u>			
2311-011695	1	Invoice	SCREW, BOLT, WASHER FOR FLAG POLE RA	11/27/2023	1.36	Net 30 days	REPAIRS & MAINTENANCE	SCREW, BOLT, WASHER FOR F
12/12/2023		None		12/23 10-46-22			No	
Total 2311-011695:					<u>1.36</u>			
2311-011751	1	Invoice	BOLT	11/27/2023	1.28	Net 30 days	REPAIRS & MAINTENANCE	BOLT
12/12/2023		None		12/23 10-46-22			No	
Total 2311-011751:					<u>1.28</u>			
2311-011763	1	Invoice	ZIP TIES FOR METER ENDPOINTS	11/27/2023	8.99	Net 30 days	REPAIRS & MAINTENANCE	ZIP TIES FOR METER ENDPOIN
12/12/2023		None		12/23 60-50-22			No	

Invoice	Seq	Type	Description	Invoice Date	Total Cost	Terms	GL Account Description	Description
Payment Due Date			PO Number	GL Posting Period	GL Account Number		Recurring Payment	
Total 2311-011763:					8.99			
2311-011826	1	Invoice	TUNG CARB BURR FOR TRASH TRUCK	11/28/2023	24.99	Net 30 days	REPAIRS & MAINTENANCE	TUNG CARB BURR FOR TRASH
12/12/2023		None		12/23	80-52-22		No	
Total 2311-011826:					24.99			
2311-011843	1	Invoice	CONTRACTOR BAGS	11/28/2023	9.99	Net 30 days	OPERATING SUPPLIES	CONTRACTOR BAGS
12/12/2023		None		12/23	80-52-16		No	
Total 2311-011843:					9.99			
2311-011843	2	Invoice	CONTRACTOR BAGS	11/28/2023	9.99	Net 30 days	OPERATING SUPPLIES	CONTRACTOR BAGS
12/12/2023		None		12/23	70-51-16		No	
Total 2311-011843:					9.99			
2311-011843	3	Invoice	CONTRACTOR BAGS	11/28/2023	10.00	Net 30 days	OPERATING SUPPLIES	CONTRACTOR BAGS
12/12/2023		None		12/23	60-50-16		No	
Total 2311-011843:					10.00			
2311-011848	1	Invoice	WINDOW BOLT	11/28/2023	5.49	Net 30 days	SHOP EXPENSE	WINDOW BOLT
12/12/2023		None		12/23	10-46-25		No	
Total 2311-011848:					5.49			
2311-011878	1	Invoice	RETURN - WINDOW BOLT	11/28/2023	5.49-	Net 30 days	SHOP EXPENSE	RETURN - WINDOW BOLT
12/12/2023		None		12/23	10-46-25		No	
Total 2311-011878:					5.49-			
2311-011997	1	Invoice	LATEX GLOVES	11/29/2023	15.99	Net 30 days	OPERATING SUPPLIES	LATEX GLOVES
12/12/2023		None		12/23	60-50-16		No	
Total 2311-011997:					15.99			
2311-012140	1	Invoice	NIPPLES	11/29/2023	15.78	Net 30 days	REPAIRS & MAINTENANCE	NIPPLES
12/12/2023		None		12/23	60-50-22		No	

Invoice	Seq	Type	Description	Invoice Date	Total Cost	Terms	GL Account Description	Description	
Payment Due Date			PO Number	GL Posting Period	GL Account Number		Recurring Payment		
Total 2311-012140:					15.78				
2311-012270	1	Invoice	MTL DISCS FOR WATER METERS	11/30/2023	25.74	Net 30 days	REPAIRS & MAINTENANCE	MTL DISCS FOR WATER METER	
12/12/2023		None		12/23 60-50-22			No		
Total 2311-012270:					25.74				
2311-012332	1	Invoice	SM ENGINE FUEL & AIR COMPRESS OIL	11/30/2023	21.49	Net 30 days	REPAIRS & MAINTENANCE	SM ENGINE FUEL & AIR COMPR	
12/12/2023		None		12/23 60-50-22			No		
Total 2311-012332:					21.49				
2311-012332	2	Invoice	SM ENGINE FUEL & AIR COMPRESS OIL	11/30/2023	21.49	Net 30 days	REPAIRS & MAINTENANCE	SM ENGINE FUEL & AIR COMPR	
12/12/2023		None		12/23 10-45-22			No		
Total 2311-012332:					21.49				
Total 12/05/2023:					308.25				

12/5/2023 GL Period Summary

GL Period	Amount
12/23	308.25
Grand Totals:	308.25

2311-012306	1	Invoice	SHOOTING STANDS	11/30/2023	21.45	Net 30 days	OPERATING SUPPLIES	SHOOTING STANDS	
12/12/2023		None		12/23 10-42-16			No		
Total 2311-012306:					21.45				
2311-012092	1	Invoice	WIRE, RED & BLACK GLOSS	11/29/2023	26.96	Net 30 days	OPERATING SUPPLIES	WIRE, RED & BLACK GLOSS	
12/12/2023		None		12/23 10-42-16			No		

Invoice	Seq	Type	Description	Invoice Date	Total Cost	Terms	GL Account Description	Description
Payment Due Date		1099	PO Number	GL Posting Period	GL Account Number	Recurring Payment		

Total 2311-012092: 26.96

Total 12/07/2023: 48.41

12/7/2023 GL Period Summary

GL Period	Amount
12/23	<u>48.41</u>
Grand Totals:	<u><u>48.41</u></u>

Total Dependable Lumber, Inc. (46): 356.66

Don's Market (48)

01-2006365	1	Invoice	BATHROOM TISSUE & PAPER TOWELS	11/29/2023	14.69	Net 30 days	OFFICE SUPPLIES	BATHROOM TISSUE & PAPER T
		12/12/2023	None	12/23	10-45-15		No	

Total 01-2006365: 14.69

01-2006365	2	Invoice	BATHROOM TISSUE & PAPER TOWELS	11/29/2023	14.69	Net 30 days	SHOP EXPENSE	BATHROOM TISSUE & PAPER T
		12/12/2023	None	12/23	10-45-25		No	

Total 01-2006365: 14.69

01-2006365	3	Invoice	BATHROOM TISSUE & PAPER TOWELS	11/29/2023	14.69	Net 30 days	OFFICE SUPPLIES	BATHROOM TISSUE & PAPER T
		12/12/2023	None	12/23	10-46-15		No	

Total 01-2006365: 14.69

01-2006365	4	Invoice	BATHROOM TISSUE & PAPER TOWELS	11/29/2023	14.69	Net 30 days	OFFICE SUPPLIES	BATHROOM TISSUE & PAPER T
		12/12/2023	None	12/23	60-50-15		No	

Total 01-2006365: 14.69

Invoice	Seq	Type	Description	Invoice Date	Total Cost	Terms	GL Account Description	Description
Payment Due Date			1099 PO Number	GL Posting Period	GL Account Number		Recurring Payment	
01-2006990	1	Invoice	DISH SOAP & PAPER TOWELS	11/30/2023	13.25	Net 30 days	SHOP EXPENSE	DISH SOAP & PAPER TOWELS
12/12/2023		None		12/23	60-50-25		No	
Total 01-2006990:					13.25			
01-2006990	2	Invoice	DISH SOAP & PAPER TOWELS	11/30/2023	13.26	Net 30 days	SHOP EXPENSE	DISH SOAP & PAPER TOWELS
12/12/2023		None		12/23	10-45-25		No	
Total 01-2006990:					13.26			
01-2006990	3	Invoice	DISH SOAP & PAPER TOWELS	11/30/2023	13.26	Net 30 days	SHOP EXPENSE	DISH SOAP & PAPER TOWELS
12/12/2023		None		12/23	10-46-25		No	
Total 01-2006990:					13.26			
01-2006990	4	Invoice	DISH SOAP & PAPER TOWELS	11/30/2023	13.26	Net 30 days	SHOP EXPENSE	DISH SOAP & PAPER TOWELS
12/12/2023		None		12/23	70-51-25		No	
Total 01-2006990:					13.26			
03-1326356	1	Invoice	PROPANE BOTTLE AND EXCHANGE	11/27/2023	106.18	Net 30 days	OPERATING SUPPLIES	PROPANE BOTTLE AND EXCHA
12/12/2023		None		12/23	10-45-16		No	
Total 03-1326356:					106.18			
Total 12/05/2023:					217.97			

12/5/2023 GL Period Summary

GL Period	Amount
12/23	217.97
Grand Totals:	217.97

Total Don's Market (48): 217.97

Invoice	Seq	Type	Description	Invoice Date	Total Cost	Terms	GL Account Description	Description
Payment Due Date		1099	PO Number	GL Posting Period	GL Account Number		Recurring Payment	
Duckworks Auto Parts Inc (50)								
11044-42605	1	Invoice	FLAT STOCK	11/27/2023	32.38	Open Terms	REPAIRS & MAINTENANCE	FLAT STOCK
12/12/2023		None		12/23	10-45-22		No	
Total 11044-426055:					32.38			
11044-42605	1	Invoice	RETURN - THERMOSTAT	11/27/2023	14.79-	Open Terms	REPAIRS & MAINTENANCE	RETURN - THERMOSTAT
12/12/2023		None		12/23	10-45-22		No	
Total 11044-426058:					14.79-			
Total 12/05/2023:					17.59			

12/5/2023 GL Period Summary

GL Period	Amount
12/23	17.59
Grand Totals:	17.59

Total Duckworks Auto Parts Inc (50): 17.59

E-470 PUBLIC HIGHWAY AUTHORITY (936)

2087381222	1	Invoice	TOLL CHARGES	11/22/2023	9.20	Open Terms	TRAVEL & MEETINGS	TOLL CHARGES
12/12/2023		None		12/23	10-42-26		No	
Total 2087381222:					9.20			
Total 12/07/2023:					9.20			

12/7/2023 GL Period Summary

GL Period	Amount
12/23	9.20
Grand Totals:	9.20

Total E-470 PUBLIC HIGHWAY AUTHORITY (936): 9.20

ENVIRO-CHEM ANALYTICAL INC (1221)

14170763	1 Invoice	NO2, NO3, SE PD WASTE WATER	11/27/2023	61.00	Open Terms	LEGAL & ENGINEERING SERVICES	NO2, NO3, SE PD WASTE WATE
12/12/2023	None		12/23	70-51-20		No	
Total 14170763:				<u>61.00</u>			
Total 12/05/2023:				<u>61.00</u>			

12/5/2023 GL Period Summary

GL Period	Amount
12/23	61.00
Grand Totals:	61.00

Total ENVIRO-CHEM ANALYTICAL INC (1221): 61.00

Green Analytical Laboratories (1246)

2310067	1 Invoice	LEAD AND COPPER PACKAGE	10/18/2023	600.00	Open Terms	LEGAL & ENGINEERING SERVICES	LEAD AND COPPER PACKAGE
12/12/2023	None		12/23	60-50-20		No	
Total 2310067:				<u>600.00</u>			
GAL2305-27	1 Invoice	LEAD & COPPER	06/02/2023	600.00	Open Terms	LEGAL & ENGINEERING SERVICES	LEAD & COPPER
12/12/2023	None		12/23	60-50-20		No	
Total GAL2305-277:				<u>600.00</u>			

Invoice	Seq	Type	Description	Invoice Date	Total Cost	Terms	GL Account Description	Description
Payment Due Date		1099	PO Number	GL Posting Period	GL Account Number		Recurring Payment	
GAL2305-27	1	Invoice	LEAD & COPPER	06/07/2023	600.00	Open Terms	LEGAL & ENGINEERING SERVICES	LEAD & COPPER
12/12/2023		None		12/23	60-50-20		No	
Total GAL2305-279:					600.00			
Total 12/05/2023:					1,800.00			

12/5/2023 GL Period Summary

GL Period	Amount
12/23	1,800.00
Grand Totals:	1,800.00

Total Green Analytical Laboratories (1246): 1,800.00

High Country Printing Inc (81)

19717	1	Invoice	ARREST FORMS	11/30/2023	105.00	Net 30 days	OFFICE SUPPLES	ARREST FORMS
12/12/2023		None		12/23	10-42-15		No	
Total 19717:					105.00			
Total 12/07/2023:					105.00			

12/7/2023 GL Period Summary

GL Period	Amount
12/23	105.00
Grand Totals:	105.00

Invoice	Seq	Type	Description	Invoice Date	Total Cost	Terms	GL Account Description	Description
Payment Due Date	1099		PO Number	GL Posting Period	GL Account Number	Recurring Payment		
Total High Country Printing Inc (81):					105.00			
Kelly PC (1277)								
12012023	1	Invoice	LEGAL SERVICES PROVIDED THROUGH NOV.	12/01/2023	6,219.60	Open Terms	LEGAL SERVICES	LEGAL SERVICES PROVIDED T
12/12/2023		Attorneys Fees Retainer		12/23 10-41-20			No	
Total 12012023:					6,219.60			
12012023	2	Invoice	LEGAL SERVICES PROVIDED THROUGH NOV.	12/01/2023	213.00	Open Terms	LEGAL & ENGINEERING SERVICES	LEGAL SERVICES PROVIDED T
12/12/2023		Attorneys Fees Retainer		12/23 60-50-20			No	
Total 12012023:					213.00			
Total 12/05/2023:					6,432.60			

12/5/2023 GL Period Summary

GL Period	Amount
12/23	6,432.60
Grand Totals:	6,432.60

Total Kelly PC (1277): 6,432.60

LEXIPOL, LLC (1274)

INVLEX1213	1	Invoice	01/01/2024-12/31/2024 ANNUAL LAW ENVORM	12/01/2023	4,878.92	Open Terms	CONTRACT SERVICES	01/01/2024-12/31/2024 ANNUAL
12/12/2023		None		12/23 10-42-42			No	
Total INVLEX121368:					4,878.92			
Total 12/07/2023:					4,878.92			

12/7/2023 GL Period Summary

GL Period	Amount
12/23	4,878.92
Grand Totals:	4,878.92

Total LEXIPOL, LLC (1274): 4,878.92

NAPA - Paonia Auto Parts (122)

406331	1	Invoice	PIN CLIP	11/07/2023	11.12	Net 30 days	REPAIRS & MAINTENANCE	PIN CLIP
12/12/2023		Nonemployee		12/23	10-45-22		No	
Total 406331:					<u>11.12</u>			
406745	1	Invoice	PRIMER FOR PD TARGET	11/20/2023	59.95	Net 30 days	OPERATING SUPPLIES	PRIMER FOR PD TARGET
12/12/2023		Nonemployee		12/23	10-42-16		No	
Total 406745:					<u>59.95</u>			
406988	1	Invoice	AIR FILTERS	11/30/2023	37.80	Net 30 days	VEHICLE EXPENSE	AIR FILTERS
12/12/2023		Nonemployee		12/23	80-52-23		No	
Total 406988:					<u>37.80</u>			
406988	2	Invoice	AIR FILTERS	11/30/2023	37.80	Net 30 days	VEHICLE EXPENSE	AIR FILTERS
12/12/2023		Nonemployee		12/23	10-45-23		No	
Total 406988:					<u>37.80</u>			
Total 12/05/2023:					<u>146.67</u>			

12/5/2023 GL Period Summary

GL Period	Amount
12/23	146.67
Grand Totals:	146.67

GL Period	Amount						
Total NAPA - Paonia Auto Parts (122):				146.67			
Norris, John H (991)							
NOVEMBER 12/12/2023	1 Invoice Retirement	JOHN NORRIS RETIREMENT PAYMENT	11/01/2023 12/23	1,120.00	Net 30 days	NORRIS RETIREMENT	JOHN NORRIS RETIREMENT PA
			60-50-44			No	
Total NOVEMBER 2023:				1,120.00			
DECEMBER 12/12/2023	1 Invoice Retirement	RETIREMENT	12/01/2023 12/23	1,120.00	Net 30 days	NORRIS RETIREMENT	RETIREMENT
			60-50-44			No	
Total DECEMBER 2023:				1,120.00			
Total 12/08/2023:				2,240.00			

12/8/2023 GL Period Summary

GL Period	Amount
12/23	2,240.00
Grand Totals:	2,240.00

Total Norris, John H (991):				2,240.00			
North Fork Service (Reedy's) (141)							
425208 12/12/2023	1 Invoice Nonemployee	PW-FUEL	11/01/2023 12/23	26.61	Net 30 days	VEHICLE EXPENSE	PW-FUEL
			60-50-23			No	
Total 425208:				26.61			
425208 12/12/2023	2 Invoice Nonemployee	PW-FUEL	11/01/2023 12/23	26.61	Net 30 days	VEHICLE EXPENSE	PW-FUEL
			10-45-23			No	
Total 425208:				26.61			
425208 12/12/2023	3 Invoice Nonemployee	PW-FUEL	11/01/2023 12/23	26.61	Net 30 days	VEHICLE EXPENSE	PW-FUEL
			10-46-23			No	

Invoice	Seq	Type	Description	Invoice Date	Total Cost	Terms	GL Account Description	Description
Payment Due Date	1099		PO Number	GL Posting Period	GL Account Number	Recurring Payment		
Total 425208:					26.61			
425208	4	Invoice	PW-FUEL	11/01/2023	26.61	Net 30 days	VEHICLE EXPENSE	PW-FUEL
12/12/2023		Nonemployee		12/23 80-52-23		No		
Total 425208:					26.61			
425208	5	Invoice	PW-FUEL	11/01/2023	26.61	Net 30 days	VEHICLE EXPENSE	PW-FUEL
12/12/2023		Nonemployee		12/23 70-51-23		No		
Total 425208:					26.61			
425209	1	Invoice	PW-FUEL	11/01/2023	19.86	Net 30 days	VEHICLE EXPENSE	PW-FUEL
12/12/2023		Nonemployee		12/23 60-50-23		No		
Total 425209:					19.86			
425209	2	Invoice	PW-FUEL	11/01/2023	19.86	Net 30 days	VEHICLE EXPENSE	PW-FUEL
12/12/2023		Nonemployee		12/23 10-45-23		No		
Total 425209:					19.86			
425209	3	Invoice	PW-FUEL	11/01/2023	19.86	Net 30 days	VEHICLE EXPENSE	PW-FUEL
12/12/2023		Nonemployee		12/23 10-46-23		No		
Total 425209:					19.86			
425209	4	Invoice	PW-FUEL	11/01/2023	19.86	Net 30 days	VEHICLE EXPENSE	PW-FUEL
12/12/2023		Nonemployee		12/23 80-52-23		No		
Total 425209:					19.86			
425209	5	Invoice	PW-FUEL	11/01/2023	19.86	Net 30 days	VEHICLE EXPENSE	PW-FUEL
12/12/2023		Nonemployee		12/23 70-51-23		No		
Total 425209:					19.86			
425210	1	Invoice	PW-FUEL	11/02/2023	19.71	Net 30 days	VEHICLE EXPENSE	PW-FUEL
12/12/2023		Nonemployee		12/23 60-50-23		No		

Invoice	Seq	Type	Description	Invoice Date	Total Cost	Terms	GL Account Description	Description
Payment Due Date	1099		PO Number	GL Posting Period	GL Account Number	Recurring Payment		
Total 425210:					19.71			
425210	2	Invoice	PW-FUEL	11/02/2023	19.71	Net 30 days	VEHICLE EXPENSE	PW-FUEL
12/12/2023		Nonemployee		12/23 10-45-23		No		
Total 425210:					19.71			
425210	3	Invoice	PW-FUEL	11/02/2023	19.71	Net 30 days	VEHICLE EXPENSE	PW-FUEL
12/12/2023		Nonemployee		12/23 10-46-23		No		
Total 425210:					19.71			
425210	4	Invoice	PW-FUEL	11/02/2023	19.71	Net 30 days	VEHICLE EXPENSE	PW-FUEL
12/12/2023		Nonemployee		12/23 80-52-23		No		
Total 425210:					19.71			
425210	5	Invoice	PW-FUEL	11/02/2023	19.71	Net 30 days	VEHICLE EXPENSE	PW-FUEL
12/12/2023		Nonemployee		12/23 70-51-23		No		
Total 425210:					19.71			
425212	1	Invoice	PW-FUEL	11/03/2023	32.40	Net 30 days	VEHICLE EXPENSE	PW-FUEL
12/12/2023		Nonemployee		12/23 60-50-23		No		
Total 425212:					32.40			
425212	2	Invoice	PW-FUEL	11/03/2023	32.40	Net 30 days	VEHICLE EXPENSE	PW-FUEL
12/12/2023		Nonemployee		12/23 10-45-23		No		
Total 425212:					32.40			
425212	3	Invoice	PW-FUEL	11/03/2023	32.40	Net 30 days	VEHICLE EXPENSE	PW-FUEL
12/12/2023		Nonemployee		12/23 10-46-23		No		
Total 425212:					32.40			
425212	4	Invoice	PW-FUEL	11/03/2023	32.40	Net 30 days	VEHICLE EXPENSE	PW-FUEL
12/12/2023		Nonemployee		12/23 80-52-23		No		

Invoice	Seq	Type	Description	Invoice Date	Total Cost	Terms	GL Account Description	Description
Payment Due Date	1099		PO Number	GL Posting Period	GL Account Number	Recurring Payment		
Total 425212:					32.40			
425212	5	Invoice	PW-FUEL	11/03/2023	32.40	Net 30 days	VEHICLE EXPENSE	PW-FUEL
12/12/2023		Nonemployee		12/23 70-51-23			No	
Total 425212:					32.40			
425215	1	Invoice	PW-FUEL	11/06/2023	10.86	Net 30 days	VEHICLE EXPENSE	PW-FUEL
12/12/2023		Nonemployee		12/23 60-50-23			No	
Total 425215:					10.86			
425215	2	Invoice	PW-FUEL	11/06/2023	10.86	Net 30 days	VEHICLE EXPENSE	PW-FUEL
12/12/2023		Nonemployee		12/23 10-45-23			No	
Total 425215:					10.86			
425215	3	Invoice	PW-FUEL	11/06/2023	10.86	Net 30 days	VEHICLE EXPENSE	PW-FUEL
12/12/2023		Nonemployee		12/23 10-46-23			No	
Total 425215:					10.86			
425215	4	Invoice	PW-FUEL	11/06/2023	10.86	Net 30 days	VEHICLE EXPENSE	PW-FUEL
12/12/2023		Nonemployee		12/23 80-52-23			No	
Total 425215:					10.86			
425215	5	Invoice	PW-FUEL	11/06/2023	10.86	Net 30 days	VEHICLE EXPENSE	PW-FUEL
12/12/2023		Nonemployee		12/23 70-51-23			No	
Total 425215:					10.86			
425216	1	Invoice	PW-FUEL	11/07/2023	39.94	Net 30 days	VEHICLE EXPENSE	PW-FUEL
12/12/2023		Nonemployee		12/23 60-50-23			No	
Total 425216:					39.94			
425216	2	Invoice	PW-FUEL	11/07/2023	39.94	Net 30 days	VEHICLE EXPENSE	PW-FUEL
12/12/2023		Nonemployee		12/23 10-45-23			No	

Invoice	Seq	Type	Description	Invoice Date	Total Cost	Terms	GL Account Description	Description
Payment Due Date	1099		PO Number	GL Posting Period	GL Account Number	Recurring Payment		
Total 425216:					39.94			
425216	3	Invoice	PW-FUEL	11/07/2023	39.94	Net 30 days	VEHICLE EXPENSE	PW-FUEL
12/12/2023		Nonemployee		12/23 10-46-23		No		
Total 425216:					39.94			
425216	4	Invoice	PW-FUEL	11/07/2023	39.94	Net 30 days	VEHICLE EXPENSE	PW-FUEL
12/12/2023		Nonemployee		12/23 80-52-23		No		
Total 425216:					39.94			
425216	5	Invoice	PW-FUEL	11/07/2023	39.94	Net 30 days	VEHICLE EXPENSE	PW-FUEL
12/12/2023		Nonemployee		12/23 70-51-23		No		
Total 425216:					39.94			
425217	1	Invoice	PW-FUEL	11/07/2023	18.61	Net 30 days	VEHICLE EXPENSE	PW-FUEL
12/12/2023		Nonemployee		12/23 60-50-23		No		
Total 425217:					18.61			
425217	2	Invoice	PW-FUEL	11/07/2023	18.61	Net 30 days	VEHICLE EXPENSE	PW-FUEL
12/12/2023		Nonemployee		12/23 10-45-23		No		
Total 425217:					18.61			
425217	3	Invoice	PW-FUEL	11/07/2023	18.61	Net 30 days	VEHICLE EXPENSE	PW-FUEL
12/12/2023		Nonemployee		12/23 10-46-23		No		
Total 425217:					18.61			
425217	4	Invoice	PW-FUEL	11/07/2023	18.61	Net 30 days	VEHICLE EXPENSE	PW-FUEL
12/12/2023		Nonemployee		12/23 80-52-23		No		
Total 425217:					18.61			
425217	5	Invoice	PW-FUEL	11/07/2023	18.61	Net 30 days	VEHICLE EXPENSE	PW-FUEL
12/12/2023		Nonemployee		12/23 70-51-23		No		

Invoice	Seq	Type	Description	Invoice Date	Total Cost	Terms	GL Account Description	Description
Payment Due Date	1099		PO Number	GL Posting Period	GL Account Number	Recurring Payment		
Total 425217:					18.61			
425218	1	Invoice	PW-FUEL	11/08/2023	14.46	Net 30 days	VEHICLE EXPENSE	PW-FUEL
12/12/2023		Nonemployee		12/23 60-50-23			No	
Total 425218:					14.46			
425218	2	Invoice	PW-FUEL	11/08/2023	14.46	Net 30 days	VEHICLE EXPENSE	PW-FUEL
12/12/2023		Nonemployee		12/23 10-45-23			No	
Total 425218:					14.46			
425218	3	Invoice	PW-FUEL	11/08/2023	14.46	Net 30 days	VEHICLE EXPENSE	PW-FUEL
12/12/2023		Nonemployee		12/23 10-46-23			No	
Total 425218:					14.46			
425218	4	Invoice	PW-FUEL	11/08/2023	14.46	Net 30 days	VEHICLE EXPENSE	PW-FUEL
12/12/2023		Nonemployee		12/23 80-52-23			No	
Total 425218:					14.46			
425218	5	Invoice	PW-FUEL	11/08/2023	14.46	Net 30 days	VEHICLE EXPENSE	PW-FUEL
12/12/2023		Nonemployee		12/23 70-51-23			No	
Total 425218:					14.46			
425222	1	Invoice	PW-FUEL	11/14/2023	17.65	Net 30 days	VEHICLE EXPENSE	PW-FUEL
12/12/2023		Nonemployee		12/23 60-50-23			No	
Total 425222:					17.65			
425222	2	Invoice	PW-FUEL	11/14/2023	17.65	Net 30 days	VEHICLE EXPENSE	PW-FUEL
12/12/2023		Nonemployee		12/23 10-45-23			No	
Total 425222:					17.65			
425222	3	Invoice	PW-FUEL	11/14/2023	17.65	Net 30 days	VEHICLE EXPENSE	PW-FUEL
12/12/2023		Nonemployee		12/23 10-46-23			No	

Invoice	Seq	Type	Description	Invoice Date	Total Cost	Terms	GL Account Description	Description
Payment Due Date	1099		PO Number	GL Posting Period	GL Account Number	Recurring Payment		
Total 425222:					17.65			
425222	4	Invoice	PW-FUEL	11/14/2023	17.65	Net 30 days	VEHICLE EXPENSE	PW-FUEL
12/12/2023		Nonemployee		12/23 80-52-23		No		
Total 425222:					17.65			
425222	5	Invoice	PW-FUEL	11/14/2023	17.65	Net 30 days	VEHICLE EXPENSE	PW-FUEL
12/12/2023		Nonemployee		12/23 70-51-23		No		
Total 425222:					17.65			
425224	1	Invoice	PW-FUEL	11/15/2023	26.40	Net 30 days	VEHICLE EXPENSE	PW-FUEL
12/12/2023		Nonemployee		12/23 60-50-23		No		
Total 425224:					26.40			
425224	2	Invoice	PW-FUEL	11/15/2023	26.40	Net 30 days	VEHICLE EXPENSE	PW-FUEL
12/12/2023		Nonemployee		12/23 10-45-23		No		
Total 425224:					26.40			
425224	3	Invoice	PW-FUEL	11/15/2023	26.40	Net 30 days	VEHICLE EXPENSE	PW-FUEL
12/12/2023		Nonemployee		12/23 10-46-23		No		
Total 425224:					26.40			
425224	4	Invoice	PW-FUEL	11/15/2023	26.40	Net 30 days	VEHICLE EXPENSE	PW-FUEL
12/12/2023		Nonemployee		12/23 80-52-23		No		
Total 425224:					26.40			
425224	5	Invoice	PW-FUEL	11/15/2023	26.40	Net 30 days	VEHICLE EXPENSE	PW-FUEL
12/12/2023		Nonemployee		12/23 70-51-23		No		
Total 425224:					26.40			
425225	1	Invoice	PW-FUEL	11/16/2023	13.19	Net 30 days	VEHICLE EXPENSE	PW-FUEL
12/12/2023		Nonemployee		12/23 60-50-23		No		

Invoice	Seq	Type	Description	Invoice Date	Total Cost	Terms	GL Account Description	Description
Payment Due Date	1099		PO Number	GL Posting Period	GL Account Number	Recurring Payment		
Total 425225:					13.19			
425225	2	Invoice	PW-FUEL	11/16/2023	13.19	Net 30 days	VEHICLE EXPENSE	PW-FUEL
12/12/2023		Nonemployee		12/23 10-45-23		No		
Total 425225:					13.19			
425225	3	Invoice	PW-FUEL	11/16/2023	13.19	Net 30 days	VEHICLE EXPENSE	PW-FUEL
12/12/2023		Nonemployee		12/23 10-46-23		No		
Total 425225:					13.19			
425225	4	Invoice	PW-FUEL	11/16/2023	13.19	Net 30 days	VEHICLE EXPENSE	PW-FUEL
12/12/2023		Nonemployee		12/23 80-52-23		No		
Total 425225:					13.19			
425225	5	Invoice	PW-FUEL	11/16/2023	13.18	Net 30 days	VEHICLE EXPENSE	PW-FUEL
12/12/2023		Nonemployee		12/23 70-51-23		No		
Total 425225:					13.18			
425229	1	Invoice	PW-FUEL	11/20/2023	16.31	Net 30 days	VEHICLE EXPENSE	PW-FUEL
12/12/2023		Nonemployee		12/23 60-50-23		No		
Total 425229:					16.31			
425229	2	Invoice	PW-FUEL	11/20/2023	16.31	Net 30 days	VEHICLE EXPENSE	PW-FUEL
12/12/2023		Nonemployee		12/23 10-45-23		No		
Total 425229:					16.31			
425229	3	Invoice	PW-FUEL	11/20/2023	16.31	Net 30 days	VEHICLE EXPENSE	PW-FUEL
12/12/2023		Nonemployee		12/23 10-46-23		No		
Total 425229:					16.31			
425229	4	Invoice	PW-FUEL	11/20/2023	16.31	Net 30 days	VEHICLE EXPENSE	PW-FUEL
12/12/2023		Nonemployee		12/23 80-52-23		No		

Invoice	Seq	Type	Description	Invoice Date	Total Cost	Terms	GL Account Description	Description
Payment Due Date	1099		PO Number	GL Posting Period	GL Account Number	Recurring Payment		
Total 425229:					16.31			
425229	5	Invoice	PW-FUEL	11/20/2023	16.31	Net 30 days	VEHICLE EXPENSE	PW-FUEL
12/12/2023		Nonemployee		12/23 70-51-23		No		
Total 425229:					16.31			
425230	1	Invoice	PW-FUEL	11/21/2023	26.31	Net 30 days	VEHICLE EXPENSE	PW-FUEL
12/12/2023		Nonemployee		12/23 60-50-23		No		
Total 425230:					26.31			
425230	2	Invoice	PW-FUEL	11/21/2023	26.31	Net 30 days	VEHICLE EXPENSE	PW-FUEL
12/12/2023		Nonemployee		12/23 10-45-23		No		
Total 425230:					26.31			
425230	3	Invoice	PW-FUEL	11/21/2023	26.31	Net 30 days	VEHICLE EXPENSE	PW-FUEL
12/12/2023		Nonemployee		12/23 10-46-23		No		
Total 425230:					26.31			
425230	4	Invoice	PW-FUEL	11/21/2023	26.31	Net 30 days	VEHICLE EXPENSE	PW-FUEL
12/12/2023		Nonemployee		12/23 80-52-23		No		
Total 425230:					26.31			
425230	5	Invoice	PW-FUEL	11/21/2023	26.31	Net 30 days	VEHICLE EXPENSE	PW-FUEL
12/12/2023		Nonemployee		12/23 70-51-23		No		
Total 425230:					26.31			
425231	1	Invoice	PW-FUEL	11/21/2023	25.45	Net 30 days	VEHICLE EXPENSE	PW-FUEL
12/12/2023		Nonemployee		12/23 60-50-23		No		
Total 425231:					25.45			
425231	2	Invoice	PW-FUEL	11/21/2023	25.45	Net 30 days	VEHICLE EXPENSE	PW-FUEL
12/12/2023		Nonemployee		12/23 10-45-23		No		

Invoice	Seq	Type	Description	Invoice Date	Total Cost	Terms	GL Account Description	Description
Payment Due Date	1099		PO Number	GL Posting Period	GL Account Number	Recurring Payment		
Total 425231:					25.45			
425231	3	Invoice	PW-FUEL	11/21/2023	25.45	Net 30 days	VEHICLE EXPENSE	PW-FUEL
12/12/2023		Nonemployee		12/23 10-46-23		No		
Total 425231:					25.45			
425231	4	Invoice	PW-FUEL	11/21/2023	25.45	Net 30 days	VEHICLE EXPENSE	PW-FUEL
12/12/2023		Nonemployee		12/23 80-52-23		No		
Total 425231:					25.45			
425231	5	Invoice	PW-FUEL	11/21/2023	25.45	Net 30 days	VEHICLE EXPENSE	PW-FUEL
12/12/2023		Nonemployee		12/23 70-51-23		No		
Total 425231:					25.45			
425237	1	Invoice	PW-FUEL	11/30/2023	23.11	Net 30 days	VEHICLE EXPENSE	PW-FUEL
12/12/2023		Nonemployee		12/23 60-50-23		No		
Total 425237:					23.11			
425237	2	Invoice	PW-FUEL	11/30/2023	23.11	Net 30 days	VEHICLE EXPENSE	PW-FUEL
12/12/2023		Nonemployee		12/23 10-45-23		No		
Total 425237:					23.11			
425237	3	Invoice	PW-FUEL	11/30/2023	23.11	Net 30 days	VEHICLE EXPENSE	PW-FUEL
12/12/2023		Nonemployee		12/23 10-46-23		No		
Total 425237:					23.11			
425237	4	Invoice	PW-FUEL	11/30/2023	23.11	Net 30 days	VEHICLE EXPENSE	PW-FUEL
12/12/2023		Nonemployee		12/23 80-52-23		No		
Total 425237:					23.11			
425237	5	Invoice	PW-FUEL	11/30/2023	23.11	Net 30 days	VEHICLE EXPENSE	PW-FUEL
12/12/2023		Nonemployee		12/23 70-51-23		No		

Invoice	Seq	Type	Description	Invoice Date	Total Cost	Terms	GL Account Description	Description
Payment Due Date	1099		PO Number	GL Posting Period	GL Account Number	Recurring Payment		
Total 425237:					23.11			
Total 12/05/2023:					1,654.34			

12/5/2023 GL Period Summary

GL Period	Amount
12/23	1,654.34
Grand Totals:	1,654.34

425211	1	Invoice	Fuel - Police A4	11/02/2023	24.50	Net 30 days	VEHICLE EXPENSE	Fuel - Police A4
12/12/2023		Nonemployee		12/23 10-42-23			No	
Total 425211:					24.50			
425213	1	Invoice	Fuel - Police A6	11/03/2023	47.30	Net 30 days	VEHICLE EXPENSE	Fuel - Police A6
12/12/2023		Nonemployee		12/23 10-42-23			No	
Total 425213:					47.30			
425214	1	Invoice	Fuel - Police A1	11/03/2023	35.00	Net 30 days	VEHICLE EXPENSE	Fuel - Police A1
12/12/2023		Nonemployee		12/23 10-42-23			No	
Total 425214:					35.00			
425219	1	Invoice	Fuel - Police A4	11/09/2023	38.00	Net 30 days	VEHICLE EXPENSE	Fuel - Police A4
12/12/2023		Nonemployee		12/23 10-42-23			No	
Total 425219:					38.00			
425220	1	Invoice	Fuel - Police A5	11/10/2023	33.80	Net 30 days	VEHICLE EXPENSE	Fuel - Police A5
12/12/2023		Nonemployee		12/23 10-42-23			No	

Invoice	Seq	Type	Description	Invoice Date	Total Cost	Terms	GL Account Description	Description
Payment Due Date	1099		PO Number	GL Posting Period	GL Account Number	Recurring Payment		
Total 425220:					33.80			
425221	1	Invoice	Fuel - Police A2	11/14/2023	53.50	Net 30 days	VEHICLE EXPENSE	Fuel - Police A2
12/12/2023		Nonemployee		12/23 10-42-23			No	
Total 425221:					53.50			
425223	1	Invoice	Fuel - Police A1	11/15/2023	34.80	Net 30 days	VEHICLE EXPENSE	Fuel - Police A1
12/12/2023		Nonemployee		12/23 10-42-23			No	
Total 425223:					34.80			
425226	1	Invoice	Fuel - Police A6	11/18/2023	36.80	Net 30 days	VEHICLE EXPENSE	Fuel - Police A6
12/12/2023		Nonemployee		12/23 10-42-23			No	
Total 425226:					36.80			
425228	1	Invoice	Fuel - Police A4	11/20/2023	32.20	Net 30 days	VEHICLE EXPENSE	Fuel - Police A4
12/12/2023		Nonemployee		12/23 10-42-23			No	
Total 425228:					32.20			
425232	1	Invoice	Fuel - Polic DGA546	11/22/2023	117.70	Net 30 days	VEHICLE EXPENSE	Fuel - Polic DGA546
12/12/2023		Nonemployee		12/23 10-42-23			No	
Total 425232:					117.70			
425233	1	Invoice	Fuel - Police A5	11/24/2023	48.00	Net 30 days	VEHICLE EXPENSE	Fuel - Police A5
12/12/2023		Nonemployee		12/23 10-42-23			No	
Total 425233:					48.00			
425234	1	Invoice	Fuel - Police A1	11/27/2023	28.00	Net 30 days	VEHICLE EXPENSE	Fuel - Police A1
12/12/2023		Nonemployee		12/23 10-42-23			No	
Total 425234:					28.00			
425235	1	Invoice	Fuel - Police A4	11/28/2023	35.50	Net 30 days	VEHICLE EXPENSE	Fuel - Police A4
12/12/2023		Nonemployee		12/23 10-42-23			No	

Invoice	Seq	Type	Description	Invoice Date	Total Cost	Terms	GL Account Description	Description
Payment Due Date	1099		PO Number	GL Posting Period	GL Account Number	Recurring Payment		
Total 425235:					35.50			
425236	1	Invoice	Fuel - Police A2	11/30/2023	57.50	Net 30 days	VEHICLE EXPENSE	Fuel - Police A2
12/12/2023		Nonemployee		12/23 10-42-23			No	
Total 425236:					57.50			
425238	1	Invoice	Fuel - Police A1	11/30/2023	32.00	Net 30 days	VEHICLE EXPENSE	Fuel - Police A1
12/12/2023		Nonemployee		12/23 10-42-23			No	
Total 425238:					32.00			
425239	1	Invoice	Police - FUEL JOY070	11/30/2023	43.05	Net 30 days	VEHICLE EXPENSE	Police - FUEL JOY070
12/12/2023		Nonemployee		12/23 10-42-23			No	
Total 425239:					43.05			
425240	1	Invoice	Fuel - Police A4	11/30/2023	14.60	Net 30 days	VEHICLE EXPENSE	Fuel - Police A4
12/12/2023		Nonemployee		12/23 10-42-23			No	
Total 425240:					14.60			
425241	1	Invoice	Fuel - Police A6	11/30/2023	28.00	Net 30 days	VEHICLE EXPENSE	Fuel - Police A6
12/12/2023		Nonemployee		12/23 10-42-23			No	
Total 425241:					28.00			
425242	1	Invoice	Fuel - Police A5	11/30/2023	27.05	Net 30 days	VEHICLE EXPENSE	Fuel - Police A5
12/12/2023		Nonemployee		12/23 10-42-23			No	
Total 425242:					27.05			
Total 12/07/2023:					767.30			

GL Period	Amount
12/23	767.30
Grand Totals:	767.30

Total North Fork Service (Reedy's) (141): 2,421.64

Paonia Farm & Home Supply Inc (125)

174942	1	Invoice	HOOKS/FASTENERS FOR TOWN HALL DOOR	11/28/2023	3.99	Net 30 days	SHOP EXPENSE	HOOKS/FASTENERS FOR TOW
	12/12/2023	None		12/23	10-46-25		No	
Total 174942:					<u>3.99</u>			
175161	1	Invoice	LATEX GLOVES	11/30/2023	6.99	Net 30 days	OPERATING SUPPLIES	LATEX GLOVES
	12/12/2023	None		12/23	70-51-16		No	
Total 175161:					<u>6.99</u>			
175161	2	Invoice	LATEX GLOVES	11/30/2023	6.99	Net 30 days	OPERATING SUPPLIES	LATEX GLOVES
	12/12/2023	None		12/23	80-52-16		No	
Total 175161:					<u>6.99</u>			
175217	1	Invoice	HOOKS FOR TOWN HALL	12/01/2023	19.98	Net 30 days	TOWN ADMIN/CONTRACT LABOR	HOOKS FOR TOWN HALL
	12/12/2023	None		12/23	10-41-02		No	
Total 175217:					<u>19.98</u>			
Total 12/05/2023:					<u>37.95</u>			

12/5/2023 GL Period Summary

GL Period	Amount
12/23	37.95
Grand Totals:	37.95

GL Period	Amount						
Total Paonia Farm & Home Supply Inc (125):				37.95			
PEVEC, LUCIEN (1362)							
23150003 43	1 Invoice	REIMBURSEMENT OF ACCOUNT CREDIT	12/01/2023	134.88	Open Terms	UTILITIES	REIMBURSEMENT OF ACCOUN
12/12/2023	Nonemployee		12/23 10-41-28			No	
Total 23150003 434 DELTA AVE:				134.88			
Total 12/08/2023:				134.88			

12/8/2023 GL Period Summary

GL Period	Amount
12/23	134.88
Grand Totals:	134.88

Total PEVEC, LUCIEN (1362):				134.88			
Phonz + (499)							
15454	1 Invoice	Water	08/18/2023	26.91	Open Terms	DUES & SUBSCRIPTIONS	Water
12/12/2023	None		12/23 60-50-31			No	
Total 15454:				26.91			
15454	2 Invoice	Sewer	08/18/2023	26.91	Open Terms	DUES & SUBSCRIPTIONS	Sewer
12/12/2023	None		12/23 70-51-31			No	
Total 15454:				26.91			
15454	3 Invoice	General	08/18/2023	13.87	Open Terms	DUES & SUBSCRIPTIONS	General
12/12/2023	None		12/23 10-41-31			No	
Total 15454:				13.87			
15454	4 Invoice	Sanitation	08/18/2023	13.87	Open Terms	DATA PROCESSING	Sanitation
12/12/2023	None		12/23 80-52-33			No	

Invoice	Seq	Type	Description	Invoice Date	Total Cost	Terms	GL Account Description	Description	
Payment Due Date			PO Number	GL Posting Period	GL Account Number		Recurring Payment		
Total 15454:					13.87				
15474	1	Invoice	Water	08/30/2023	360.06	Open Terms	DUES & SUBSCRIPTIONS	Water	
12/12/2023		None		12/23	60-50-31		No		
Total 15474:					360.06				
15474	2	Invoice	Sewer	08/30/2023	360.06	Open Terms	DUES & SUBSCRIPTIONS	Sewer	
12/12/2023		None		12/23	70-51-31		No		
Total 15474:					360.06				
15474	3	Invoice	General	08/30/2023	185.49	Open Terms	DUES & SUBSCRIPTIONS	General	
12/12/2023		None		12/23	10-41-31		No		
Total 15474:					185.49				
15474	4	Invoice	Sanitation	08/30/2023	185.49	Open Terms	DATA PROCESSING	Sanitation	
12/12/2023		None		12/23	80-52-33		No		
Total 15474:					185.49				
15563	1	Invoice	Water	09/01/2023	801.65	Open Terms	DUES & SUBSCRIPTIONS	Water	
12/12/2023		None		12/23	60-50-31		No		
Total 15563:					801.65				
15563	2	Invoice	Sewer	09/01/2023	801.65	Open Terms	DUES & SUBSCRIPTIONS	Sewer	
12/12/2023		None		12/23	70-51-31		No		
Total 15563:					801.65				
15563	3	Invoice	General	09/01/2023	412.97	Open Terms	DUES & SUBSCRIPTIONS	General	
12/12/2023		None		12/23	10-41-31		No		
Total 15563:					412.97				
15563	4	Invoice	Sanitation	09/01/2023	412.96	Open Terms	DATA PROCESSING	Sanitation	
12/12/2023		None		12/23	80-52-33		No		

Invoice	Seq	Type	Description	Invoice Date	Total Cost	Terms	GL Account Description	Description	
Payment Due Date			PO Number	GL Posting Period	GL Account Number		Recurring Payment		
Total 15563:					412.96				
15592	1	Invoice	Water	09/01/2023	166.64	Open Terms	DUES & SUBSCRIPTIONS	Water	
12/12/2023		None		12/23 60-50-31			No		
Total 15592:					166.64				
15592	2	Invoice	Sewer	09/01/2023	166.64	Open Terms	DUES & SUBSCRIPTIONS	Sewer	
12/12/2023		None		12/23 70-51-31			No		
Total 15592:					166.64				
15592	3	Invoice	General	09/01/2023	85.85	Open Terms	DUES & SUBSCRIPTIONS	General	
12/12/2023		None		12/23 10-41-31			No		
Total 15592:					85.85				
15592	4	Invoice	Sanitation	09/01/2023	85.85	Open Terms	DATA PROCESSING	Sanitation	
12/12/2023		None		12/23 80-52-33			No		
Total 15592:					85.85				
15669	1	Invoice	Water	10/01/2023	665.00	Open Terms	DUES & SUBSCRIPTIONS	Water	
12/12/2023		None		12/23 60-50-31			No		
Total 15669:					665.00				
15669	2	Invoice	Sewer	10/01/2023	665.00	Open Terms	DUES & SUBSCRIPTIONS	Sewer	
12/12/2023		None		12/23 70-51-31			No		
Total 15669:					665.00				
15669	3	Invoice	General	10/01/2023	342.58	Open Terms	DUES & SUBSCRIPTIONS	General	
12/12/2023		None		12/23 10-41-31			No		
Total 15669:					342.58				
15669	4	Invoice	Sanitation	10/01/2023	342.58	Open Terms	DATA PROCESSING	Sanitation	
12/12/2023		None		12/23 80-52-33			No		

Invoice	Seq	Type	Description	Invoice Date	Total Cost	Terms	GL Account Description	Description
Payment Due Date			PO Number	GL Posting Period	GL Account Number		Recurring Payment	
Total 15669:					342.58			
15750	1	Invoice	Water	10/11/2023	49.50	Open Terms	DUES & SUBSCRIPTIONS	Water
12/12/2023		None		12/23	60-50-31		No	
Total 15750:					49.50			
15750	2	Invoice	Sewer	10/11/2023	49.50	Open Terms	DUES & SUBSCRIPTIONS	Sewer
12/12/2023		None		12/23	70-51-31		No	
Total 15750:					49.50			
15750	3	Invoice	General	10/11/2023	25.50	Open Terms	DUES & SUBSCRIPTIONS	General
12/12/2023		None		12/23	10-41-31		No	
Total 15750:					25.50			
15750	4	Invoice	Sanitation	10/11/2023	25.49	Open Terms	DATA PROCESSING	Sanitation
12/12/2023		None		12/23	80-52-33		No	
Total 15750:					25.49			
15852	1	Invoice	Water	11/01/2023	810.28	Open Terms	DUES & SUBSCRIPTIONS	Water
12/12/2023		None		12/23	60-50-31		No	
Total 15852:					810.28			
15852	2	Invoice	Sewer	11/01/2023	810.28	Open Terms	DUES & SUBSCRIPTIONS	Sewer
12/12/2023		None		12/23	70-51-31		No	
Total 15852:					810.28			
15852	3	Invoice	General	11/01/2023	417.41	Open Terms	DUES & SUBSCRIPTIONS	General
12/12/2023		None		12/23	10-41-31		No	
Total 15852:					417.41			
15852	4	Invoice	Sanitation	11/01/2023	417.41	Open Terms	DATA PROCESSING	Sanitation
12/12/2023		None		12/23	80-52-33		No	

Invoice	Seq	Type	Description	Invoice Date	Total Cost	Terms	GL Account Description	Description
Payment Due Date		1099	PO Number	GL Posting Period	GL Account Number	Recurring Payment		
Total 15852:					417.41			
Total 11/30/2023:					8,727.40			

11/30/2023 GL Period Summary

GL Period	Amount
12/23	8,727.40
Grand Totals:	8,727.40

15997	1	Invoice	Office Suport	12/01/2023	2,429.23	Open Terms	DUES & SUBSCRIPTIONS	Office Suport
12/12/2023		None		12/23 10-41-31			No	
Total 15997:					2,429.23			
Total 12/05/2023:					2,429.23			

12/5/2023 GL Period Summary

GL Period	Amount
12/23	2,429.23
Grand Totals:	2,429.23

Total Phonz + (499): 11,156.63

Roop Excavating LLC (931)

R23-147	1	Invoice	STREET REPAIR	12/01/2023	6,954.99	Open Terms	REPAIRS & MAINTENANCE	STREET REPAIR
12/12/2023		Nonemployee		12/23 60-50-22			No	

Invoice	Seq	Type	Description	Invoice Date	Total Cost	Terms	GL Account Description	Description
Payment Due Date	1099		PO Number	GL Posting Period	GL Account Number	Recurring Payment		
Total R23-147:					6,954.99			
Total 12/05/2023:					6,954.99			

12/5/2023 GL Period Summary

GL Period	Amount
12/23	6,954.99
Grand Totals:	6,954.99

R123-143	1	Invoice	SEWER REPAIR - 3RD STREET	11/07/2023	52,970.44	Open Terms	REPAIRS & MAINTENANCE	SEWER REPAIR - 3RD STREET
12/12/2023		Nonemployee		12/23 70-51-22			No	
Total R123-143:					52,970.44			
Total 12/07/2023:					52,970.44			

12/7/2023 GL Period Summary

GL Period	Amount
12/23	52,970.44
Grand Totals:	52,970.44

Total Roop Excavating LLC (931): 59,925.43

Shums Coda Associates (1170)

17324	1	Invoice	PLAN REVIEW SERVICES PROVIDED BY SCA	11/29/2023	1,590.00	Open Terms	CONTRACT LABOR	PLAN REVIEW SERVICES PROV
12/12/2023		Nonemployee		12/23 10-43-02			No	

Invoice	Seq	Type	Description	Invoice Date	Total Cost	Terms	GL Account Description	Description
Payment Due Date		1099	PO Number GL Posting Period		GL Account Number		Recurring Payment	
Total 17324:					1,590.00			
17325	1	Invoice	INSPECTION SERVICES PROVIDED BY SCA F	11/29/2023	1,400.00	Open Terms	CONTRACT LABOR	INSPECTION SERVICES PROVI
12/12/2023		Nonemployee	12/23 10-43-02				No	
Total 17325:					1,400.00			
17326	1	Invoice	CONSULTING SERVICES PROVIDED BY SCA	11/29/2023	870.00	Open Terms	CONTRACT LABOR	CONSULTING SERVICES PROVI
12/12/2023		Nonemployee	12/23 10-43-02				No	
Total 17326:					870.00			
Total 12/05/2023:					3,860.00			

12/5/2023 GL Period Summary

GL Period	Amount
12/23	3,860.00
Grand Totals:	3,860.00

17168	1	Invoice	PLAN REVIEW SERVICES FOR SEPT. 2023	10/30/2023	1,020.00	Open Terms	CONTRACT LABOR	PLAN REVIEW SERVICES FOR
12/12/2023		Nonemployee	12/23 10-43-02				No	
Total 17168:					1,020.00			
17169	1	Invoice	INSPECTION SERVICES FOR SEPT. 2023	10/30/2023	1,250.00	Open Terms	CONTRACT LABOR	INSPECTION SERVICES FOR S
12/12/2023		Nonemployee	12/23 10-43-02				No	
Total 17169:					1,250.00			
17170	1	Invoice	CONSULTING SERVICES PROVIDED FOR SEP	10/30/2023	960.00	Open Terms	CONTRACT LABOR	CONSULTING SERVICES PROVI
12/12/2023		Nonemployee	12/23 10-43-02				No	

Invoice	Seq	Type	Description	Invoice Date	Total Cost	Terms	GL Account Description	Description
Payment Due Date		1099	PO Number	GL Posting Period	GL Account Number	Recurring Payment		
Total 17170:					960.00			
Total 12/07/2023:					3,230.00			

12/7/2023 GL Period Summary

GL Period	Amount
12/23	3,230.00
Grand Totals:	3,230.00

Total Shums Coda Associates (1170): 7,090.00

Southwestern Systems, Inc (152)

203272	1	Invoice	VACUUM AND CLEAN STORM DRAIN BOXES	12/01/2023	1,325.75	Net 30 days	REPAIRS & MAINTENANCE	VACUUM AND CLEAN STORM D
12/12/2023		None		12/23	70-51-22		No	

Total 203272: 1,325.75

203272	2	Invoice	VACUUM AND CLEAN STORM DRAIN BOXES	12/01/2023	1,325.75	Net 30 days	REPAIRS & MAINTENANCE	VACUUM AND CLEAN STORM D
12/12/2023		None		12/23	60-50-22		No	

Total 203272: 1,325.75

Total 12/05/2023: 2,651.50

12/5/2023 GL Period Summary

GL Period	Amount
12/23	2,651.50
Grand Totals:	2,651.50

GL Period			Amount					
Total Southwestern Systems, Inc (152):			2,651.50					
UNCC (161)								
223111065	1	Invoice	RTL Transmissions	11/30/2023	11.18	Net 30 days	LEGAL & ENGINEERING SERVICES	RTL Transmissions
12/12/2023	None		12/23	70-51-20			No	
Total 223111065:			11.18					
223111065	2	Invoice	RTL Transmissions	11/30/2023	11.18	Net 30 days	LEGAL & ENGINEERING SERVICES	RTL Transmissions
12/12/2023	None		12/23	60-50-20			No	
Total 223111065:			11.18					
223111065	3	Invoice	RTL Transmissions	11/30/2023	11.18	Net 30 days	LEGAL & ENGINEERING SERVICES	RTL Transmissions
12/12/2023	None		12/23	10-45-20			No	
Total 223111065:			11.18					
Total 12/05/2023:			33.54					

12/5/2023 GL Period Summary

GL Period			Amount				
12/23			33.54				
Grand Totals:			33.54				

223101103	1	Invoice	Locates	10/31/2023	15.91	Net 30 days	LEGAL & ENGINEERING SERVICES	Locates
12/12/2023	None		12/23	70-51-20			No	
Total 223101103:			15.91					
223101103	2	Invoice	Locates	10/31/2023	15.91	Net 30 days	LEGAL & ENGINEERING SERVICES	Locates
12/12/2023	None		12/23	60-50-20			No	
Total 223101103:			15.91					

Invoice	Seq	Type	Description	Invoice Date	Total Cost	Terms	GL Account Description	Description
Payment Due Date			PO Number	GL Posting Period	GL Account Number		Recurring Payment	
223101103	3	Invoice	Locates	10/31/2023	15.91	Net 30 days	LEGAL & ENGINEERING SERVICES	Locates
12/12/2023		None		12/23	10-45-20		No	
Total 223101103:					15.91			
2362	1	Invoice	5312023-223051106 & 08312023-223081087 LO	10/01/2023	30.10	Net 30 days	LEGAL & ENGINEERING SERVICES	5312023-223051106 & 08312023-
12/12/2023		None		12/23	70-51-20		No	
Total 2362:					30.10			
2362	2	Invoice	5312023-223051106 & 08312023-223081087 LO	10/01/2023	30.10	Net 30 days	LEGAL & ENGINEERING SERVICES	5312023-223051106 & 08312023-
12/12/2023		None		12/23	60-50-20		No	
Total 2362:					30.10			
2362	3	Invoice	5312023-223051106 & 08312023-223081087 LO	10/01/2023	30.10	Net 30 days	LEGAL & ENGINEERING SERVICES	5312023-223051106 & 08312023-
12/12/2023		None		12/23	10-45-20		No	
Total 2362:					30.10			
Total 12/07/2023:					138.03			

12/7/2023 GL Period Summary

GL Period	Amount
12/23	138.03
Grand Totals:	138.03

Total UNCC (161): 171.57

United Companies Inc (162)

4207	1	Invoice	ROAD & ALLEY WAY REPAIRS	11/08/2023	238.69	Net 30 days	REPAIRS & MAINTENANCE	ROAD & ALLEY WAY REPAIRS
12/12/2023		None		12/23	10-45-22		No	

Invoice	Seq	Type	Description	Invoice Date	Total Cost	Terms	GL Account Description	Description
Payment Due Date		1099	PO Number	GL Posting Period	GL Account Number	Recurring Payment		
Total 4207:					238.69			
Total 12/07/2023:					238.69			

12/7/2023 GL Period Summary

GL Period	Amount
12/23	238.69
Grand Totals:	238.69

Total United Companies Inc (162): 238.69

USA Blue Book (441)

S0318540	1	Invoice	SAMPLE CELLS, COLORIMETER, PH PENS, P	11/07/2023	1,179.35	Open Terms	OPERATING SUPPLIES	SAMPLE CELLS, COLORIMETE
12/12/2023		Nonemployee		12/23 60-50-16			No	
Total S0318540:					1,179.35			
Total 12/07/2023:					1,179.35			

12/7/2023 GL Period Summary

GL Period	Amount
12/23	1,179.35
Grand Totals:	1,179.35

Total USA Blue Book (441): 1,179.35

Invoice	Seq	Type	Description	Invoice Date	Total Cost	Terms	GL Account Description	Description
Payment Due Date		1099	PO Number	GL Posting Period	GL Account Number	Recurring Payment		
VIKTOS (1361)								
V251597	1	Invoice	COMBONOVA JACKET	11/28/2023	143.68	Open Terms	OPERATING SUPPLIES	COMBONOVA JACKET
12/12/2023		None		12/23	10-42-16		No	
Total V251597:					143.68			
Total 12/07/2023:					143.68			

12/7/2023 GL Period Summary

GL Period	Amount
12/23	143.68
Grand Totals:	143.68

Total VIKTOS (1361):	143.68
Grand Totals:	135,850.1

Report GL Period Summary

GL Period	Amount
12/23	135,850.17
Grand Totals:	135,850.17

Vendor number hash: 46705
 Vendor number hash - split: 68859
 Total number of invoices: 115
 Total number of transactions: 222

Terms Description	Invoice Amount	Discount Amount	Net Invoice Amount
Net 30 days	33,465.15	.00	33,465.15
Open Terms	102,385.02	.00	102,385.02
Grand Totals:	<u>135,850.17</u>	<u>.00</u>	<u>135,850.17</u>

Report Criteria:

[Report].GL Period = 12/23

[Report].Payment Due Date = {>=} 12/12/2023

Report Criteria:

Vendor.Name = "Leon, Susan"
 [Report].GL Period = 11/23
 [Report].Payment Due Date = {>=} 11/28/23

Invoice	Seq	Type	Description	Invoice Date	Total Cost	Terms	GL Account Description	Description
Payment Due Date		1099	PO Number GL Posting Period		GL Account Number		Recurring Payment	
Leon, Susan (470)								
11/01-11/30/2	1	Invoice	Cleaning Contract	11/01/2023	775.00	Open Terms	TOWN HALL EXPENSE	Cleaning Contract
11/28/2023		Nonemployee		11/23 10-41-25			No	
Total 11/01-11/30/2023:					775.00			
Total 11/29/2023:					775.00			

11/29/2023 GL Period Summary

GL Period	Amount
11/23	775.00
Grand Totals:	775.00

Total Leon, Susan (470):	775.00
Grand Totals:	775.00

Report GL Period Summary

GL Period	Amount
11/23	775.00
Grand Totals:	775.00

Vendor number hash: 470

Terms Description	Invoice Amount	Discount Amount	Net Invoice Amount
Vendor number hash - split:	470		
Total number of invoices:	1		
Total number of transactions:	1		

Terms Description	Invoice Amount	Discount Amount	Net Invoice Amount
Open Terms	775.00	.00	775.00
Grand Totals:	<u>775.00</u>	<u>.00</u>	<u>775.00</u>

Report Criteria:

Vendor.Name = "Leon, Susan"

[Report].GL Period = 11/23

[Report].Payment Due Date = {>=} 11/28/23



Paonia Police Department

DEPARTMENT BRIEFING: SUMMARY OF PROGRESS

12/01/2023

- The Department will be providing full year end 2023 statistics and points of note at the January board meeting. Initial numbers show a significant increase in the use of municipal court, and an increase in case load from older cases that needed attention.
- At the request of the board the Department compared the Judges' annual salary to like sized communities and found it to be in line with other municipalities.
- The Department completed active shooter/building searches at the former Vo-Tech building on 3rd St. Thank you to the school district for the use of their facilities.
- The Department has been fielding questions from motorists regarding road conditions on highway 133 and Kebler pass. With the CDOT cameras not functioning on McClure pass we are relying on the cotrip.org website. If you have questions about road conditions, please feel free to call the Police Department and we will provide you with the most up to date information we have.

Paonia Police Department

Law Incident Table, by Date and Time

Date Occurred: 11/01/23

<u>Time</u>	<u>Nature</u>	<u>Address</u>	<u>Agency</u>	<u>Loctn</u>	<u>Dsp</u>
16:04:22	SUSPICIOUS	4TH ST, Paonia, CO	PPD	PPD	
20:44:43	RESTR/PROT ORDR	PAN AMERICAN AVE, Paonia, CO	PPD	PPD	
Total Incidents for this Date: 2					

Date Occurred: 11/02/23

<u>Time</u>	<u>Nature</u>	<u>Address</u>	<u>Agency</u>	<u>Loctn</u>	<u>Dsp</u>
08:24:24	WILDLIFE	MEADOWBROOK CT, Paonia, CO	PPD	PPD	
13:48:00	SUSPICIOUS	OAK AVE, Paonia, CO	PPD	PPD	
14:11:58	VIN INSPECTION	GRAND AVE, Paonia, CO	PPD	PPD	
16:33:48	SUSPICIOUS	ALDER DR, Paonia, CO	PPD	PPD	
Total Incidents for this Date: 4					

Date Occurred: 11/03/23

<u>Time</u>	<u>Nature</u>	<u>Address</u>	<u>Agency</u>	<u>Loctn</u>	<u>Dsp</u>
12:30:48	Wanted Person	300 BLOCK GRAND AVE, Paonia, CO	PPD	PPD	A
18:22:37	CITIZEN ASSIST	RIO GRANDE AVE, Paonia, CO	PPD	PPD	
Total Incidents for this Date: 2					

Date Occurred: 11/04/23

<u>Time</u>	<u>Nature</u>	<u>Address</u>	<u>Agency</u>	<u>Loctn</u>	<u>Dsp</u>
13:23:37	ANIMAL CONTROL	DELTA AVE, Paonia, CO	PPD	PPD	
21:02:41	SUSPICIOUS	5TH ST, Paonia, CO	PPD	PPD	
21:23:13	MISSING PERSON	OAK AVE, Paonia, CO	PPD	PPD	
Total Incidents for this Date: 3					

Date Occurred: 11/05/23

<u>Time</u>	<u>Nature</u>	<u>Address</u>	<u>Agency</u>	<u>Loctn</u>	<u>Dsp</u>
19:34:03	Disturbance	MAIN AVE, Paonia, CO	PPD	PPD	
20:48:02	Traffic Stop	2nd St., Paonia, CO	PPD	PPD	
20:53:19	Medical/transfe	MEADOWBROOK BLVD, Paonia, CO	PPD	PPD	VW
Total Incidents for this Date: 3					

Date Occurred: 11/06/23

<u>Time</u>	<u>Nature</u>	<u>Address</u>	<u>Agency</u>	<u>Loctn</u>	<u>Dsp</u>
12:53:21	Traffic Stop	3RD ST AVE, Paonia, CO	PPD	PPD	CIT
Total Incidents for this Date: 1					

Date Occurred: 11/07/23

<u>Time</u>	<u>Nature</u>	<u>Address</u>	<u>Agency</u>	<u>Loctn</u>	<u>Dsp</u>
08:09:55	Code Enforce	COLORADO AVE, Paonia, CO	PPD	PPD	
Total Incidents for this Date: 1					

Date Occurred: 11/08/23

<u>Time</u>	<u>Nature</u>	<u>Address</u>	<u>Agency</u>	<u>Loctn</u>	<u>Dsp</u>
11:04:58	Information	4TH St, Paonia, CO	PPD	PPD	
14:02:07	TrafficAccident	4TH ST, Paonia, CO	PPD	PPD	
16:50:23	Traffic Stop	BOX ELDER AVE, Paonia, CO	PPD	PPD	CIT
19:21:22	Traffic Stop	4TH ST & GRAND AVE, Paonia, CO	PPD	PPD	
19:38:09	M-1 HOLD	MEADOWBROOK BLVD, Paonia, CO	PPD	PPD	
Total Incidents for this Date: 5					

Date Occurred: 11/10/23

<u>Time</u>	<u>Nature</u>	<u>Address</u>	<u>Agency</u>	<u>Loctn</u>	<u>Dsp</u>
08:00:36	Parking Problem	RIO GRANDE AVE, Paonia, CO	PPD	PPD	
12:25:35	Information	2ND ST, Paonia, CO	PPD	PPD	
Total Incidents for this Date: 2					

Date Occurred: 11/11/23

<u>Time</u>	<u>Nature</u>	<u>Address</u>	<u>Agency</u>	<u>Loctn</u>	<u>Dsp</u>
00:43:51	TRESPASS	GRAND AVE, Paonia, CO	PPD	PPD	VW
Total Incidents for this Date: 1					

Date Occurred: 11/12/23

<u>Time</u>	<u>Nature</u>	<u>Address</u>	<u>Agency</u>	<u>Loctn</u>	<u>Dsp</u>
13:33:50	Parking Problem	2ND ST, Paonia, CO	PPD	PPD	
16:05:05	AGENCY ASSIST	BLACK BRIDGE RD, Paonia, CO	PPD	DIST3	
Total Incidents for this Date: 2					

Date Occurred: 11/13/23

<u>Time</u>	<u>Nature</u>	<u>Address</u>	<u>Agency</u>	<u>Loctn</u>	<u>Dsp</u>
17:30:55	AGENCY ASSIST	BETHLEHEM RD, Paonia, CO	PPD	DIST3	
Total Incidents for this Date: 1					

Date Occurred: 11/14/23

<u>Time</u>	<u>Nature</u>	<u>Address</u>	<u>Agency</u>	<u>Loctn</u>	<u>Dsp</u>
03:22:16	Information	3RD ST, Paonia, CO	PPD	PPD	
20:27:35	Traffic Stop	ONARGA AVE, Paonia, CO	PPD	PPD	CIT

Total Incidents for this Date: 2

Date Occurred: 11/15/23

<u>Time</u>	<u>Nature</u>	<u>Address</u>	<u>Agency</u>	<u>Loctn</u>	<u>Dsp</u>
10:07:12	FRAUD	CLARK AVE, Paonia, CO	PPD	PPD	
14:38:55	Traffic Stop	SAMUEL WADE RD , Paonia, CO	PPD	PPD	CIT

Total Incidents for this Date: 2

Date Occurred: 11/16/23

<u>Time</u>	<u>Nature</u>	<u>Address</u>	<u>Agency</u>	<u>Loctn</u>	<u>Dsp</u>
16:00:56	Parking Problem	3RD ST & POPLAR AVE, Paonia, CO	PPD	PPD	
20:30:12	SEX OFFENSE	MEADOWBROOK BLVD, Paonia, CO	PPD	PPD	

Total Incidents for this Date: 2

Date Occurred: 11/19/23

<u>Time</u>	<u>Nature</u>	<u>Address</u>	<u>Agency</u>	<u>Loctn</u>	<u>Dsp</u>
10:26:47	Information	GRAND AVE, Paonia, CO	PPD	PPD	
15:18:50	Elder Abuse	MEADOWBROOK BLVD, Paonia, CO	PPD	PPD	
19:44:47	Wanted Person	REDS ROAD, Paonia, CO	PPD	DIST3	A

Total Incidents for this Date: 3

Date Occurred: 11/20/23

<u>Time</u>	<u>Nature</u>	<u>Address</u>	<u>Agency</u>	<u>Loctn</u>	<u>Dsp</u>
11:25:43	Traffic Stop	SAMUEL WADE RD, Paonia, CO	PPD	DIST3	CIT
21:29:15	Traffic Stop	GRAND AVE, Paonia, CO	PPD	PPD	CIT

Total Incidents for this Date: 2

Date Occurred: 11/21/23

<u>Time</u>	<u>Nature</u>	<u>Address</u>	<u>Agency</u>	<u>Loctn</u>	<u>Dsp</u>
08:16:09	DOMESTIC	GRAND AVE, Paonia, CO	PPD	PPD	UNF
10:52:00	Wanted Person	GRAND AVE, Paonia, CO	PPD	PPD	A
13:18:14	ERROR	2ND ST Paonia, CO	PPD	PPD	
14:58:10	VIN INSPECTION	POPLAR AVE., Paonia, CO	PPD	PPD	

<u>Time</u>	<u>Nature</u>	<u>Address</u>	<u>Agency</u>	<u>Loctn</u>	<u>Dsp</u>
Total Incidents for this Date: 4					

Date Occurred: 11/22/23

<u>Time</u>	<u>Nature</u>	<u>Address</u>	<u>Agency</u>	<u>Loctn</u>	<u>Dsp</u>
15:06:27	AGENCY ASSIST	HIGHWAY 133 & CLOCK RD, Paonia, CO	PPD	DIST3	
Total Incidents for this Date: 1					

Date Occurred: 11/25/23

<u>Time</u>	<u>Nature</u>	<u>Address</u>	<u>Agency</u>	<u>Loctn</u>	<u>Dsp</u>
23:48:03	ALARM	2ND ST, Paonia, CO	PPD	PPD	
Total Incidents for this Date: 1					

Date Occurred: 11/27/23

<u>Time</u>	<u>Nature</u>	<u>Address</u>	<u>Agency</u>	<u>Loctn</u>	<u>Dsp</u>
12:32:04	VIN INSPECTION	GRAND AVE, Paonia, CO	PPD	PPD	
22:46:27	Wanted Person	3RD ST, Paonia, CO	PPD	PPD	A
Total Incidents for this Date: 2					

Date Occurred: 11/28/23

<u>Time</u>	<u>Nature</u>	<u>Address</u>	<u>Agency</u>	<u>Loctn</u>	<u>Dsp</u>
09:36:24	SUSPICIOUS	GRAND AVE, Paonia, CO	PPD	PPD	
18:52:51	Traffic Stop	2ND ST & GRAND AVE, Paonia, CO	PPD	PPD	CIT
Total Incidents for this Date: 2					

Date Occurred: 11/29/23

<u>Time</u>	<u>Nature</u>	<u>Address</u>	<u>Agency</u>	<u>Loctn</u>	<u>Dsp</u>
14:04:46	WELFARE CHECK	3RD ST, Paonia, CO	PPD	PPD	
Total Incidents for this Date: 1					

Total reported: 49

A 4, CIT 7, UNF 1, VW 11

A = ARREST
 CIT = CITATION
 UNF = UNFOUNDED
 VW = VERBAL WARNING

Report Includes:

All dates between `00:00:01 11/01/23` and `00:00:01 11/30/23`, All agencies matching `PPD`, All disposition's, All natures, All location codes, All cities



**TOWN OF PAONIA
BOARD OF TRUSTEES MEETING
STAFF REPORT**

AGENDA ITEM:	Item 1: Consideration of granting a Retail Marijuana License: North Fork Curators LLC DBA Jimmy's Joint at 119 Grand Avenue.
SUBMITTED BY:	Samira Vetter, Town Clerk
DATE:	December 12, 2023
BACKGROUND:	<ul style="list-style-type: none"> • All required forms and fees have been turned in to the Town Clerk and the Department of Revenue. • Notifications were made, and the application sent for review, by the Town Clerk to the Town Administrator/Treasurer, Building Official, Chief of Police, Fire Chief and Public Works Director. No recommendations, issues or concerns were noted. • The Town Clerk reviewed distance restrictions, consulted with the Town Attorney and consulted both the Colorado Revised Statutes and the Paonia Municipal Code to verify all legal requirements were met. • This public hearing was properly noticed both in signage and in the Delta County Independent. Notifications were also mailed to all property owners in a 200 ft radius. At the time of this report writing no comments, either positive or negative have been received.
BUDGET:	License Fee Revenue in the amount of \$5000.00
RECOMMENDATION:	The Clerk's Office recommends that the Board gives conditional approval for the issuance of a Local Retail Marijuana License after the Town receives the Tax Bond and final approval of the the pending building permit.
ATTACHMENT:	Retail Marijuana License Application Affidavit of Publication Email and Photo of Sign Notice



Marijuana License Application Checklist

Applications must be complete. Please organize your application documents in the same order as the checklist below and place the checklist on top. Please do not use staples in any documents.

Required Documentation

- 11-1-2023 Date you filed or will file an application with the Colorado Marijuana Enforcement Division.¹ *Rec'd SMV*
- Town of Paonia Marijuana License Application and all applicable fees *Rec'd 11/15 SMV*
- A set of fingerprints for each Controlling Owner. Fingerprints may be scheduled and obtained via the Paonia Police Department. Fingerprints will be run for a criminal background check. Please contact the Police Department to schedule at 970-527-4822. *SMV*
- Completed copy of State of Colorado Marijuana License Application Packet, including a Site Development Plan *SMV Rec'd 11/15*
- Odor mitigation plan *SMV*
- Business plan *SMV*
- Sign design specifications, including drawings or photos, including size, height and location *SMV*
- Proof of Ownership of the proposed location in the name of the business, or a lease in the business name showing possession of one year (deed, lease, rental agreement or other appropriate documentation) *SMV*
- Floor plan of the facility, to scale, no larger than 8 1/2 x 11-inch paper, identifying walls, fixtures, countertops and entrances *SMV*
- Copy of State of Colorado Sales Tax License *SMV*
- Articles of Organization and Operating Agreement (if LLC) *SMV*

¹ Any Town licensed store must open within sixty days of issuance of license.

n/a Articles of Incorporation and Bylaws (if corporation)

X Certificate of Good Standing from jurisdiction where Entity was formed (must be a U.S. *SM* ✓ or country that authorizes the sale of marijuana)

X Documentation evidencing authority for applicant to apply on behalf of owners with more *SM* ✓ than twenty-five percent (25%) ownership in license

X Certification that Applicant and all individual Controlling Owners are not prohibited from *SM* ✓ becoming a licensee due to violating provisions of C.R.S. 44-10-307



Marijuana License Application

Business Information

Applicant Name: Susan Kaldis

Applicant Address: [REDACTED]

Applicant Phone: [REDACTED] Applicant Email: northforkcurators@gmail.com

Applicant is: Agent Owner

Legal Business/Licensee Name: North Fork Curators, LLC

Trade Name (DBA): Jimmy's Joint

Business is applying for (check all that apply):

- Retail Marijuana Store Medical Marijuana Store Both
- Delivery – Medical Delivery – Retail Change in Location
- Change in Entity Structure License Renewal Transfer of Ownership
- Major Modification of Premises

Business is a:

- Corporation Individual Partnership LLC Association Other

Physical Address of Proposed Location: 119 Grand Ave, Paonia, CO 81428

Mailing Address: PO Box 694, Paonia, CO 81428

Business Phone Number: 970-275-0552 Business Website: jimmysjointco.com

Will you provide online ordering and pick up? Yes No

Individual Information

****Each Controlling Owner with at least 25% financial interest in the business whose name the license is in, including sub entity owners, must complete this portion of the application and include a copy of valid identification. ****

Full Name: Susan Kaldis

Title & Role in the Business: Co-Owner, CEO, Marketing Director

Cell/Home Phone Number: [REDACTED] Work Phone Number:

Email Address: northforkcurators@gmail.com

Full Physical Address where you reside: [REDACTED]
Dates you have lived at this address: From Oct 2019 To Present

Full Mailing Address, if different:

List complete physical addresses for past 5 years of residency and dates you resided there:
[REDACTED]

Social Security Number: [REDACTED] Date of Birth: [REDACTED]

Have you or any domestic or foreign entity that you had any ownership interest in ever owned or applied for a marijuana license in any jurisdiction? Yes No

If yes to the above question, have you ever been subject to any of the following actions: Denial, Surrender, Order to Show Cause, Suspension, Revocation, Settlement or Stipulation? If yes to any action, provide details on a separate sheet, including the jurisdiction, type of action, and date of action.

Have you, or has any domestic or foreign entity that you had any ownership interest in, ever been found to have violated state or local marijuana regulations, or been subject to paid late fees or fines. Yes No

If yes to the above question, provide details on a separate sheet, including the jurisdiction, type of action, and date of action.

In the past three years have you, or has any domestic or foreign entity that you had any ownership interest in, been delinquent in the remittance of any local or state sales taxes? Yes No

If yes to the above question, provide details on a separate sheet, including the jurisdiction and the remediation of the issue.



Applicant Certification

Applicant / Owner certifies and affirms that (initial all):

SK I have read Article 4 (ordinance 2021-01) of the Paonia Municipal Code regarding medical and retail marijuana regulations.

SK I am at least 21 years old

SK I understand that the Town of Paonia makes no promises in connection with this application and all application fees are nonrefundable.

SK I understand that federal laws concerning possession and distribution of controlled substances apply and the Town accepts no legal liability for approval and licensing of marijuana stores.

SK I understand that other than personal identifying information, this application and its accompanying documents are subject to Colorado Open Records Act.

SK I understand that no major changes to the license or the licensed premises may occur without a modification to the license, including a change of ownership structure.

SK I am granted full authority to act concerning this application filed for legal business/licensee on behalf of all controlling owners, including the submittal of this application under written authority, a copy of which has been provided.

SK I declare under penalty of perjury that all of the information contained in this application and all attachments are true, correct and complete to the best of my knowledge, information and belief.

SK I agree to indemnify and hold the Town harmless from any and all damages in connection with this application, including all damages in connection with this application, including paying for all Town Attorney fees and costs incurred as a result of any damage claim made against the Town.

Signature 

Date: 10-24-2023

Printed Name Susan Kaldis



COLORADO
Department of Revenue
Marijuana Enforcement Division

Regulated Marijuana Business License Application

Marijuana Enforcement Division

DR 8548 (05/26/22)

Colorado Marijuana Enforcement Division

Regulated Marijuana Business License Application Instructions

APPLICATION CHECKLIST

1 Application Fully Completed

Type or clearly print, in English, an answer to every question. If a question does not apply, indicate with an N/A. If the available space is insufficient, continue on a separate sheet and precede each answer with the appropriate title. An applicant is prohibited from operating a Regulated Marijuana Business prior to obtaining all necessary approvals or licenses from both the State Licensing Authority and the local jurisdiction. **A separate application is required for EACH license type.**

2 Application Contents

- Disclosure Requirements
- Main Application
- Authorization Forms
- Affirmation of Reasonable Care
- Publicly Traded Company (PTC) Addendum A
- Qualified Private Fund (QPF) Addendum B
- Qualified Institutional Investor (QII) Addendum C
- Research & Development (Medical only) Addendum D

The disclosure requirements and the main application must be completed in full by all applicants. If this is for a PTC, QPF, QII or R&D, the appropriate addendum must also be completed.

3 All Forms Signed & Attached

The following accompanying forms must be completed, signed and returned by each individual CBO and a representative for each CBO entity with the application:

- Affirmation & Consent
- Tax Check Authorization
- Investigation Authorization / Authorization to Release Information
- Applicant's Request to Release Information
- Affirmation of Reasonable Care

4 Required Disclosures

- See Application Required Disclosures (page 1 of application)**
- Upon request by the Division, an Applicant must provide additional information or documents required to process and investigate the application, within seven (7) days of the request.
Please note: This deadline may be extended for a period of time commensurate with the scope of the request.

5 Application and License Fees

All applications and documentation submitted must be single-sided and on 8.5x11 inch paper.

See fee table on website: SBG.Colorado.gov/MarijuanaEnforcement

Application fees remitted to the State Licensing Authority and/or the Department of Revenue, are non-refundable.

- Submit complete original or scanned application packet. All **Retail** businesses must provide one complete copy along with the applicable fee (see fee schedule). **Additional fees may be required by the local jurisdiction.**
- Checks (in the name of the applicant or applicants attorney's trust account), money orders and major credit cards (subject to service charge), are acceptable forms of payment.
- Mail-in applications can only be paid by check or money order.

You are responsible for knowing who your Local Licensing Authority is. **NO Transfers/Changes of Ownership applications will be accepted until after the state license is issued.**

6 Application Submittal

Applications can be submitted in person or by mail with all attachments and requisite fees:

Marijuana Enforcement Division
1697 Cole Blvd., Suite 200, Lakewood, CO 80401
ATTN: Business Licensing

Note: Incomplete applications will not be processed. Applicants must collect the incomplete application and fees (including those mailed in or delivered via courier), from the Lakewood Office prior to the end of the next business day.

New Business Application Required Disclosures

Consolidated Financial Statements (Must provide Balance Sheet, Income Statement & Cash Flow Statement for the previous calendar year), including auditors reports and footnotes, if applicable. (See separate PTC requirements on PTC Addendum)
 Audited (PTC only) Not Audited

Copy of the Local license application, if required for a Regulated Marijuana Business.

Organizational Chart, including the identity and ownership percentage of all CBO's.

Certificate of Good Standing from jurisdiction where Entity was formed. (Must be U.S. or country that authorizes the sale of marijuana).

Organizational documents including identity and physical address of the registered agent in Colorado.

Organizational Documents (Indicate which document is being provided)

Articles of Incorporation By-Laws Shareholder agreement Operating Agreement for LLC Partnership Agreement for partnership

Corporate Governance Documents

Required for Publicly Traded Companies Permitted, but not required for Privately held companies

Proof of Possession of Licensed Property (Indicate which document is being provided)

Deed Lease Sublease Rental Agreement Contract

Facility Diagrams – Provide a Legible and Accurate diagram for the facility. The diagram must include a plan for the Licensed Premises and a separate plan for the Security/Surveillance, including camera location, number and direction of coverage. If the diagram is larger than 8.5x11 inches, the Applicant must also provide a PDF copy of the diagram.

Licensed Premises Security and Surveillance

A copy of any contracts, agreements, royalty agreements, equipment leases, financing agreement, security contract or any other IFIH required to be disclosed by Rule 2-230(A)(3).

A copy of any management agreement(s).

Provide a list of any sanctions, penalties, assessments or cease and desist orders.

Addendums:

PTC QPF QII R&D

Glossary of Terms:

RMB - Regulated Marijuana Business	CBO - Controlling Beneficial Owner
PBO - Passive Beneficial Owner	IFIH - Indirect Financial Interest Holder
QII - Qualified Institutional Investor	QPF - Qualified Private Fund
PTC - Publicly Traded Company	R&D - Research and Development

Affirmation of complete application

Signature Susan Kaldis	THIS FORM MUST BE SIGNATURED BY SUSAN KALDIS DATE 2023.10.26 17:20:48 -0800	Printed Name Susan Kaldis	Date (MM/DD/YY) 10/26/23
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Colorado Marijuana Licensing Authority Regulated Marijuana Business License Application

License Types		<input checked="" type="checkbox"/> New Retail		<input type="checkbox"/> New Medical	
<input checked="" type="checkbox"/> Retail Marijuana Store		<input type="checkbox"/> Retail Marijuana Products Manufacturer			
<input type="checkbox"/> Retail Marijuana Cultivation Facility					
<input type="checkbox"/> Retail Marijuana Testing Facility					
<input type="checkbox"/> Retail Marijuana Business Operator					
<input type="checkbox"/> Retail Marijuana Transporter					
<input type="checkbox"/> Retail Marijuana Transporter No Premises					
<input type="checkbox"/> Medical Marijuana Store		<input type="checkbox"/> Medical Marijuana Transporter			
<input type="checkbox"/> Medical Marijuana Products Manufacturer		<input type="checkbox"/> Medical Marijuana Transporter No Premises			
<input type="checkbox"/> Medical Marijuana Testing Facility		<input type="checkbox"/> Marijuana Research & Development Facility			
<input type="checkbox"/> Medical Marijuana Business Operator		<input type="checkbox"/> Medical Marijuana Cultivation Facility			
Applicant's Legal Business Name (Please Print)					
North Fork Curators, LLC					
Registered Trade Name (DBA)					
Jimmy's Joint					
Federal Taxpayer ID		Colorado Sales Tax License #		Name of Registered Agent (with CO Secretary of State)	
93-2486153		95967125		Susan Kaldis	
Physical Address					
Street Address of Marijuana Business					Business Phone Number
119 Grand Ave					970-275-0552
City	County	State	ZIP	Email Address	
Paonia	Delta	CO	81428	northforkcurators@gmail.com	
Mailing Address (if different from Physical Address)					
Address			City		State
PO Box 694			Paonia		CO
					ZIP
					81428
Main Business Contact Person Information					
Primary Contact Person for Business				Primary Contact Phone Number	
Susan A. Kaldis				[REDACTED]	
Primary Contact Email					
northforkcurators@gmail.com					
Jurisdiction of Incorporation or Creation of Business Entity					Date (MM/DD/YY)
Paonia, Colorado, USA					10/26/23
If a Corporation, List all Jurisdictions Where the Corporation is Authorized to Conduct Business					
n/a					

Ownership Structure - Controlling Beneficial Owners with 10% or greater ownership and/or Executive Officers, managers and any other individual that Controls the RMB.

Name Susan A. Kaldis		License Number M155815
Business Associated with (Parent business or sub-entity) North Fork Curators, LLC DBA Jimmy's Joint	Direct Ownership % in Owner Entity 75%	Direct Ownership % in RMB 75%
Name Peter D. Kaldis		License Number M155816
Business Associated with (Parent business or sub-entity) North Fork Curators, LLC DBA Jimmy's Joint	Direct Ownership % in Owner Entity 25%	Direct Ownership % in RMB 25%
Name		License Number
Business Associated with (Parent business or sub-entity)	Direct Ownership % in Owner Entity	Direct Ownership % in RMB
Name		License Number
Business Associated with (Parent business or sub-entity)	Direct Ownership % in Owner Entity	Direct Ownership % in RMB
Name		License Number
Business Associated with (Parent business or sub-entity)	Direct Ownership % in Owner Entity	Direct Ownership % in RMB
Name		License Number
Business Associated with (Parent business or sub-entity)	Direct Ownership % in Owner Entity	Direct Ownership % in RMB
Name		License Number
Business Associated with (Parent business or sub-entity)	Direct Ownership % in Owner Entity	Direct Ownership % in RMB
Name		License Number
Business Associated with (Parent business or sub-entity)	Direct Ownership % in Owner Entity	Direct Ownership % in RMB
Name		License Number
Business Associated with (Parent business or sub-entity)	Direct Ownership % in Owner Entity	Direct Ownership % in RMB
Name		License Number
Business Associated with (Parent business or sub-entity)	Direct Ownership % in Owner Entity	Direct Ownership % in RMB
Name		License Number
Business Associated with (Parent business or sub-entity)	Direct Ownership % in Owner Entity	Direct Ownership % in RMB
Name		License Number
Business Associated with (Parent business or sub-entity)	Direct Ownership % in Owner Entity	Direct Ownership % in RMB
Name		License Number
Business Associated with (Parent business or sub-entity)	Direct Ownership % in Owner Entity	Direct Ownership % in RMB

Are there any outstanding options, warrants or contracts, that may be exercised into an Owner's Interest in the RMB within the next 60 days that would constitute a CBO? *If YES, attach list of persons	Yes No <input type="checkbox"/> <input checked="" type="checkbox"/>
Are there any other Persons, other than those listed in the Ownership Structure, that can control the RMB? *If YES, attach list of persons	<input type="checkbox"/> <input checked="" type="checkbox"/>

Printed Legal Business Name: North Fork Curators, LLC
 Printed Trade Name (DBA): Jimmy's Joint

Indirect Financial Interest Holder - List those with 2 or more interests (PBO, lease, Intellectual Property agreements, finance and/or equipment lease agreements, etc.) or loans that are 50% or more of the operating capital as defined in Rule 2-230(A)(3).

Name of Interest Holder	Date of Birth	FEIN/SSN	Address
n/a	n/a	n/a	n/a
List Types of Interests			
n/a			
Name of Interest Holder	Date of Birth	FEIN/SSN	Address
List Types of Interests			
Name of Interest Holder	Date of Birth	FEIN/SSN	Address
List Types of Interests			
Name of Interest Holder	Date of Birth	FEIN/SSN	Address
List Types of Interests			

- | | | |
|--|-------------------------------------|--|
| 1. Is the applicant (including any of the partners, if a partnership; members or manager if a limited liability company; or officers, stockholders or directors if a corporation) under the age of twenty-one years? | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> |
| 2. MEDICAL ONLY
Are the premises to be licensed within 1000 feet of a school (as defined in 10-103(67), alcohol or drug treatment facility, principal campus of a college, university, or seminary, or a residential childcare facility? If YES, then include a copy of a waiver or ordinance from the local jurisdiction where the business is located. | <input type="checkbox"/> | <input type="checkbox"/> |
| 3. Do you have or will you have possession of a licensed premises? | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 4. Are you a Person (Entity) applying for a license at a location that is currently licensed as a retail food establishment? If YES, provide details on a separate sheet and attach any applicable documents. | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 5. Is the applicant, the applicant's parent company or any other intermediary business entity delinquent in the payment of any judgments, taxes, interest or penalties due to the Department of Revenue, relating to a Medical or Retail Marijuana Business? If YES, provide details on a separate sheet and attach any documents to prove settlement or resolution of the delinquency. | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 6. Has a judgment, consent decree, settlement or other disposition related to a violation of federal, state or similar foreign or security law or regulation, ever been filed or entered against the applicant, the applicant's parent company or any other intermediary business entity? If YES, provide details on a separate sheet and attach any applicable documents. | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 7. In the past year, has the applicant (including any parent companies), been indicted, served with a criminal summons, charged with or convicted of ANY crime or offense in any manner? Include ALL offenses regardless of class of crime or outcome, even if the charges were dismissed or you were found not guilty. If YES, provide details on a separate sheet and attach any applicable documents. | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 8. Has the applicant filed all Finding of Suitability applications required by the Division? (Attach copy(s) of approval letter(s)). | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

Local Licensing Authority (To be completed by Applicant)

Local Licensing Authority: Town Of Paonia
 Local Licensing Authority contact name: Samira Vetter
 Contact Phone: 970-527-4101
 Contact Email: samirav@townofpaonia.com

Does the local licensing authority permit this type of business in their jurisdiction? Yes No

Affirmation & Consent

I/We, Susan Kaldis and Peter Kaldis, as an owner(s) for the applicant business, state under penalty for offering a false instrument for recording pursuant to 18-5-114 C.R.S. that the entire Regulated Marijuana Business License Application statements, attachments, and supporting schedules are true and correct to the best of my/our knowledge and belief, and that this statement is executed with the knowledge that misrepresentation or failure to reveal information requested may be deemed sufficient cause for the refusal to issue a Marijuana license by the State Licensing Authority. Further, I/We am/are aware that later discovery of an omission or misrepresentation made in the above statements may be grounds for denial of the marijuana business application. I/We am/are voluntarily submitting this application to the Colorado Marijuana Licensing Authority, under oath, with full knowledge that I/We may be charged with perjury or other crimes for intentional omissions and misrepresentations pursuant to Colorado law or for offering a false instrument for recording pursuant to 18-5-114 C.R.S. I/We further consent to any background investigation necessary to determine my/our present and continuing suitability and that this consent continues as long as I/We hold a Colorado Marijuana License.

Note: If your check is rejected due to insufficient or uncollected funds, the Department of Revenue may collect the payment amount directly from your banking account(s) electronically.

Print Full Legal Name of Owner clearly below:

Applicant's Legal Business Name North Fork Curators, LLC		Trade Name (DBA) Jimmy's Joint
Last Name of Owner (Please Print) Kaldis	First Name of Owner Susan	Middle Name of Owner [REDACTED]
Signature Susan Kaldis		Date (MM/DD/YY) [REDACTED]
THIS FORM MUST BE SIGNED IN ACROBAT PRO OR READER <small>Digitally signed by Susan Kaldis Date: 2023.10.26 17:43:50 -06'00'</small>		REQUIRED
Last Name of Owner (Please Print) Kaldis	First Name of Owner Peter	Middle Name of Owner [REDACTED]
Signature Peter Kaldis		Date (MM/DD/YY) 10/26/23
THIS FORM MUST BE SIGNED IN ACROBAT PRO OR READER <small>Digitally signed by Peter Kaldis Date: 2023.10.26 17:45:29 -06'00'</small>		REQUIRED
Last Name of Owner (Please Print) n/a	First Name of Owner	Middle Name of Owner
Signature		Date (MM/DD/YY)
THIS FORM MUST BE SIGNED IN ACROBAT PRO OR READER		REQUIRED
Last Name of Owner (Please Print) n/a	First Name of Owner	Middle Name of Owner
Signature		Date (MM/DD/YY)
THIS FORM MUST BE SIGNED IN ACROBAT PRO OR READER		REQUIRED

Confidential Document: This document is the property of the Colorado Marijuana State Licensing Authority and the Colorado Marijuana Enforcement Division, and is provided for Official Use Only. This document may not be further reproduced nor its contents disclosed without the written permission of the Division or State Licensing Authority.

Note: If there are more than four (4) owners, please use a second Affirmation & Consent page.

Tax Check Authorization and Request To Release Information

I Susan A. Kaldis am signing this waiver on behalf of North Fork Curators, LLC (the "Applicant/Licensee") to permit the Colorado Department of Revenue and any other state or local taxing authority to release information and documents that would otherwise be confidential. If I am signing this waiver for someone other than myself, I certify that I have the authority to execute this waiver on behalf of the Applicant/Licensee.

The information and documentation obtained pursuant to this waiver will be used in connection with the Applicant/Licensee's application or licensure with the Colorado Marijuana Enforcement Division, which requires proof of compliance with certain tax obligations pursuant to several statutory provisions, including sections 44-10-202(1) and 44-10-307(1)(e), C.R.S. This waiver is made pursuant to section 39-21-113(4), C.R.S.; and any other similar law or ordinance concerning the confidentiality of tax returns and return information. This waiver shall be valid while the application is pending and, if the application is approved, (1) for one year from the date of licensure or; (2) if applying for an employee license under the medical marijuana code, for two years from the date of licensure. If the license is administratively continued pursuant to section 44-10-314, C.R.S., this waiver shall be valid until the state licensing authority takes final action to approve or deny the renewal of the license. Applicant/Licensee agrees to execute a new waiver for each subsequent licensing period in connection with the renewal of any license.

Applicant/Licensee requests that the Colorado Department of Revenue and any other state or local taxing authority release the following information and supporting documentation to the Colorado Marijuana Enforcement Division, which is acting as Applicant's/Licensee's duly authorized representative under section 39-21-113(4), C.R.S., solely to obtain the information specified below.

1. Whether the Applicant/Licensee has failed to file any state tax return with the Colorado Department of Revenue or any other state or local taxing authority by the required due date (determined with regard to any extension(s) of time for filing) for any tax year for which filing of a return might have been required.
2. Whether the Applicant/Licensee has failed to pay any tax, penalty, or interest liability within 30 days of the date on which the Colorado Department of Revenue or any other state or local taxing authority gave notice of the amount due and requested payment.
3. Whether the Applicant/Licensee has entered into a payment plan with the Colorado Department of Revenue or any other state or local taxing authority and whether Applicant/Licensee is current on any payments required by said payment plan.

Applicant/Licensee authorizes the Colorado Department of Revenue and any other state or local taxing authority to release any additional information or documentation necessary to answer the questions above. Applicant/Licensee authorizes the Colorado Marijuana Enforcement Division and its legal representatives to use the information and documentation obtained from the Colorado Department of Revenue and any other state or local taxing authority in any administrative action regarding the application or license. To assist the Colorado Department of Revenue and any other state or local taxing authority locate the tax records, Applicant/Licensee is voluntarily providing the following information (please type or print).

Applicant's Name (Individual/Business) Susan A. Kaldis		Social Security Number/Tax Identification Number [REDACTED]	
Street Address [REDACTED]	City Paonia	State CO	ZIP Code 81428
Home Telephone Number [REDACTED]	Business/Work Telephone Number 970-275-3453		
Legal Last Name (Please Print) Kaldis	Legal First Name Susa	Full Middle Name [REDACTED]	
Applicant's Signature Susan Kaldis	<small>THIS FORM MUST BE SIGNED IN ACRONYM OR BY SEARCHER</small> <small>Digitally signed by Susan Kaldis</small> REQUIRED <small>Date: 2023.10.26 17:48:34 -06'00'</small>		Date (MM/DD/YY) 10/26/23

Investigation Authorization/Authorization to Release Information

I, Susan A. Kaldis, hereby authorize the Colorado Marijuana Licensing Authority, the Marijuana Enforcement Division, (hereafter, the Investigatory Agencies) to conduct a complete investigation into my personal background, using whatever legal means they deem appropriate. I hereby authorize any person or entity contacted by the Investigatory Agencies to provide any and all such information deemed necessary by the Investigatory Agencies. I hereby waive any rights of confidentiality in this regard. I understand that by signing this authorization, a financial record check may be performed. I authorize any financial institution to surrender to the Investigatory Agencies a complete and accurate record of such transactions that may have occurred with that institution, including, but not limited to, internal banking memoranda, past and present loan applications, financial statements and any other documents relating to my personal or business financial records in whatever form and wherever located. I authorize the release of this type of information, even though such information may be designated as "confidential" or "nonpublic" under the provisions of state or federal laws. I understand that by signing this authorization, a criminal history check will be performed. I authorize the Investigatory Agencies to obtain and use from any source, any information concerning me contained in any type of criminal history record files, wherever located. I understand that the criminal history record files contain records of arrests which may have resulted in a disposition other than a finding of guilt (i.e., dismissed charges, or charges that resulted in a not guilty finding). I understand that the information may contain listings of charges that resulted in suspended imposition of sentence, even though I successfully completed the conditions of said sentence and was discharged pursuant to law. I authorize the release of this type of information, even though this record may be designated as "confidential" or "nonpublic" under the provisions of state or federal laws.

The Investigatory Agencies reserve the right to investigate all relevant information and facts to their satisfaction. I understand that the Investigatory Agencies may conduct a complete and comprehensive investigation to determine the accuracy of all information gathered. However, the State of Colorado, Investigatory Agencies, and other agents or employees of the State of Colorado shall not be held liable for the receipt, use, or dissemination of inaccurate information. I, on behalf of the applicant, its legal representatives, and assigns, hereby release, waive, discharge, and agree to hold harmless, and otherwise waive liability as to the State of Colorado, Investigatory Agencies, and other agents or employees of the State of Colorado for any damages resulting from any use, disclosure, or publication in any manner, other than a willfully unlawful disclosure or publication, of any material or information acquired during inquiries, investigations, or hearings, and hereby authorize the lawful use, disclosure, or publication of this material or information. Any information contained within my application, contained within any financial or personnel record, or otherwise found, obtained, or maintained by the Investigatory Agencies, shall be accessible to law enforcement agents of this or any other state, the government of the United States, or any foreign country.

Print Full Legal Name of Owner clearly below:

Applicant's Legal Business Name North Fork Curators, LLC		Trade Name (DBA) Jimmy's Joint
Last Name of Owner (Please Print) Kaldis	First Name of Owner Susan	Middle Name of Owner [REDACTED]
Signature Susan Kaldis		Date (MM/DD/YY) 10/26/23
<small>THIS FORM MUST BE SIGNED IN ACRON DIVISION BY Susan Kaldis Digitally signed by Susan Kaldis Date: 2023.10.26 17:51:07 -06'00'</small>		

Confidential Document: This document is the property of the Colorado Marijuana State Licensing Authority and the Colorado Marijuana Enforcement Division, and is provided for Official Use Only. This document may not be further reproduced nor its contents disclosed without the written permission of the Division or State Licensing Authority.

Applicant's Request to Release Information

TO: (Leave this Blank)

FROM: (Applicant's Printed Name)
Susan A. Kaldis

1. I/We hereby authorize and request all persons to whom this request is presented having information relating to or concerning the above named applicant to furnish such information to a duly appointed agent of the Marijuana Enforcement Division whether or not such information would otherwise be protected from the disclosure by any constitutional, statutory or common law privilege.
2. I/We hereby authorize and request all persons to whom this request is presented having documents relating to or concerning the above named applicant to permit a duly appointed agent of the Marijuana Enforcement Division to review and copy any such documents, whether or not such documents would otherwise be protected from disclosure by any constitutional, statutory, or common law privilege.
3. If the person to whom this request is presented is a brokerage firm, bank, savings and loan, or other financial institution or an officer of the same, I/we hereby authorize and request that a duly appointed agent of the Marijuana Enforcement Division be permitted to review and obtain copies of any and all documents, records or correspondence pertaining to me/us, including but not limited to past loan information, notes co-signed by me/ us, checking account records, savings deposit records, safe deposit box records, passbook records, and general ledger folio sheets.
4. I/We do hereby make, constitute, and appoint any duly appointed agent of the Colorado Marijuana Enforcement Division, my/our true and lawful attorney in fact for me/us in my/our name, place, stead, and on my/our behalf and for my/our use and benefit:
 - (a) To request, review, copy sign for, or otherwise act for investigative purposes with respect to documents and information in the possession of the person to whom this request is presented as I/we might;
 - (b) To name the person or entity to whom this request is presented and insert that person's name in the appropriate location in this request:
 - (c) To place the name of the agent presenting this request in the appropriate location on this request.
5. I grant to said attorney in fact full power and authority to do, take, and perform all and every act and thing whatsoever requisite, proper, or necessary to be done, in the exercise of any of the rights and powers herein granted, as fully to all intents and purposes as I/we might or could do if personally present, with full power of substitution or revocation, hereby ratifying and confirming all that said attorney in fact, or his substitute or substitutes, shall lawfully do or cause to be done by virtue of this power of attorney and the rights and powers herein granted.
6. This power of attorney ends twenty-four (24) months from the date of execution.
7. The above named applicant has filed with the Colorado Marijuana Licensing Authority an application for a Marijuana license. Said applicant understands that it is seeking the granting of a privilege and acknowledges that the burden of proving its qualifications for a favorable determination is at all times on the applicant.
8. I/We do, for myself/ourselves, my/our heirs, executors, administrators, successors, and assigns, hereby release, remise, and forever discharge the person to whom this request is presented, and his agents and employees from all and all manner or actions, causes of action, suits, debts, judgments, executions, claims, and demands whatsoever, known or unknown, in law or equity, which the applicant ever had, now has, may have, or claims to have against the person to whom this request is being presented or his agents or employees arising out of or by reason of complying with the request.
9. A reproduction of this request by photocopying or similar process shall be for all intents and purposes as valid as the original.

Applicant's Legal Business Name

North Fork Curators, LLC

Trade Name (DBA)

Jimmy's Joint

Applicant's Last Name (Please Print)

Kaldis

First Name

Susan

Full Middle Name

[REDACTED]

Signature

Susan Kaldis

THIS FORM MUST BE SIGNED IN ACROBAT BY Susan Kaldis

Date: 2023.10.26 17:52:17 -06'00'

REQUIRED

Date (MM/DD/YY)

10/26/23

Affirmation & Consent

I, Peter D Kaldis, state under penalty for offering a false instrument for recording pursuant to 18-5-114 C.R.S. that the entire Natural Person Finding of Suitability Application Form, statements, attachments, and supporting schedules are true and correct to the best of my knowledge and belief, and that this statement is executed with the knowledge that misrepresentation or failure to reveal information requested may be deemed sufficient cause for the refusal to issue a Marijuana license by the State Licensing Authority. Further, I am aware that later discovery of an omission or misrepresentation made in the above statements may be grounds for the denial of the Marijuana application. I am voluntarily submitting this application to the Colorado Marijuana Licensing Authority under oath with full knowledge that I may be charged with perjury or other crimes for intentional omissions and misrepresentations pursuant to Colorado law or for offering a false instrument for recording pursuant to 18-5-114 C.R.S. I further consent to any background investigation necessary to determine my present and continuing suitability and that this consent continues as long as I hold a Colorado Marijuana license.

Note: If your check is rejected due to insufficient or uncollected funds, the Department of Revenue may collect the payment amount directly from your banking account electronically.

Print Full Legal Name of Applicant clearly below:

Last Name of Applicant (Please Print) Kaldis	First Name of Applicant Peter	Middle Name of Applicant [REDACTED]
Signature [REDACTED]		Date 10/26/23

Confidential Document: This document is the property of the Colorado Marijuana State Licensing Authority and the Colorado Marijuana Enforcement Division, and is provided for Official Use Only. This document may not be further reproduced nor its contents disclosed without the written permission of the Division or State Licensing Authority.

Tax Check Authorization and Request To Release Information

I Peter D Kaldis am signing this waiver on behalf of Peter D Kaldis (the "Applicant/Licensee") to permit the Colorado Department of Revenue and any other state or local taxing authority to release information and documents that would otherwise be confidential. If I am signing this waiver for someone other than myself, I certify that I have the authority to execute this waiver on behalf of the Applicant/Licensee.

The information and documentation obtained pursuant to this waiver will be used in connection with the Applicant/Licensee's application or licensure with the Colorado Marijuana Enforcement Division, which requires proof of compliance with certain tax obligations pursuant to several statutory provisions, including sections 44-10-202(1) and 44-10-307(1)(e), C.R.S. This waiver is made pursuant to section 39-21-113(4), C.R.S.; and any other similar law or ordinance concerning the confidentiality of tax returns and return information. This waiver shall be valid while the application is pending and, if the application is approved, (1) for one year from the date of licensure or; (2) if applying for an employee license under the medical marijuana code, for two years from the date of licensure. If the license is administratively continued pursuant to section 44-10-314, C.R.S., this waiver shall be valid until the state licensing authority takes final action to approve or deny the renewal of the license. Applicant/Licensee agrees to execute a new waiver for each subsequent licensing period in connection with the renewal of any license.

Applicant/Licensee requests that the Colorado Department of Revenue and any other state or local taxing authority release the following information and supporting documentation to the Colorado Marijuana Enforcement Division, which is acting as Applicant's/Licensee's duly authorized representative under section 39-21-113(4), C.R.S., solely to obtain the information specified below.

1. Whether the Applicant/Licensee has failed to file any state tax return with the Colorado Department of Revenue or any other state or local taxing authority by the required due date (determined with regard to any extension(s) of time for filing) for any tax year for which filing of a return might have been required.
2. Whether the Applicant/Licensee has failed to pay any tax, penalty, or interest liability within 30 days of the date on which the Colorado Department of Revenue or any other state or local taxing authority gave notice of the amount due and requested payment.
3. Whether the Applicant/Licensee has entered into a payment plan with the Colorado Department of Revenue or any other state or local taxing authority and whether Applicant/Licensee is current on any payments required by said payment plan.

Applicant/Licensee authorizes the Colorado Department of Revenue and any other state or local taxing authority to release any additional information or documentation necessary to answer the questions above. Applicant/Licensee authorizes the Colorado Marijuana Enforcement Division and its legal representatives to use the information and documentation obtained from the Colorado Department of Revenue and any other state or local taxing authority in any administrative action regarding the application or license. To assist the Colorado Department of Revenue and any other state or local taxing authority locate the tax records, Applicant/Licensee is voluntarily providing the following information (please type or print).

Applicant's Name (Individual/Business) Peter D Kaldis		Social Security Number/Tax Identification Number [REDACTED]	
Street Address [REDACTED]		City Houston	State TX
		Zip Code 77005	
Home Telephone Number [REDACTED]		Business/Work Telephone Number	
Legal Last Name (Please Print) Kaldis		Legal First Name Peter	Full Middle Name [REDACTED]
Applicant's Signature [REDACTED]		Date 10/26/23	

Investigation Authorization/Authorization to Release Information

I, Peter D Kaldis, hereby authorize the Colorado Marijuana Licensing Authority, the Marijuana Enforcement Division, (hereafter, the Investigatory Agencies) to conduct a complete investigation into my personal background, using whatever legal means they deem appropriate. I hereby authorize any person or entity contacted by the Investigatory Agencies to provide any and all such information deemed necessary by the Investigatory Agencies. I hereby waive any rights of confidentiality in this regard. I understand that by signing this authorization, a financial record check may be performed. I authorize any financial institution to surrender to the Investigatory Agencies a complete and accurate record of such transactions that may have occurred with that institution, including, but not limited to, internal banking memoranda, past and present loan applications, financial statements and any other documents relating to my personal or business financial records in whatever form and wherever located. I authorize the release of this type of information, even though such information may be designated as "confidential" or "nonpublic" under the provisions of state or federal laws. I understand that by signing this authorization, a criminal history check will be performed. I authorize the Investigatory Agencies to obtain and use from any source, any information concerning me contained in any type of criminal history record files, wherever located. I understand that the criminal history record files contain records of arrests which may have resulted in a disposition other than a finding of guilt (i.e., dismissed charges, or charges that resulted in a not guilty finding). I understand that the information may contain listings of charges that resulted in suspended imposition of sentence, even though I successfully completed the conditions of said sentence and was discharged pursuant to law. I authorize the release of this type of information, even though this record may be designated as "confidential" or "nonpublic" under the provisions of state or federal laws.

The Investigatory Agencies reserve the right to investigate all relevant information and facts to their satisfaction. I understand that the Investigatory Agencies may conduct a complete and comprehensive investigation to determine the accuracy of all information gathered. However, the State of Colorado, Investigatory Agencies, and other agents or employees of the State of Colorado shall not be held liable for the receipt, use, or dissemination of inaccurate information. I, on behalf of the applicant, its legal representatives, and assigns, hereby release, waive, discharge, and agree to hold harmless, and otherwise waive liability as to the State of Colorado, Investigatory Agencies, and other agents or employees of the State of Colorado for any damages resulting from any use, disclosure, or publication in any manner, other than a willfully unlawful disclosure or publication, of any material or information acquired during inquiries, investigations, or hearings, and hereby authorize the lawful use, disclosure, or publication of this material or information. Any information contained within my application, contained within any financial or personnel record, or otherwise found, obtained, or maintained by the Investigatory Agencies, shall be accessible to law enforcement agents of this or any other state, the government of the United States, or any foreign country.

Print Full Legal Name of Owner clearly below:

Applicant's Legal Business Name North Fork Curators, LLC		Trade Name (DBA) Jimmy's Joint	
Last Name of Owner (Please Print) Kaldis	First Name of Owner Peter	Middle Name of Owner [REDACTED]	
Signature [REDACTED]			Date

Confidential Document: This document is the property of the Colorado Marijuana State Licensing Authority and the Colorado Marijuana Enforcement Division, and is provided for Official Use Only. This document may not be further reproduced nor its contents disclosed without the written permission of the Division or State Licensing Authority.

Applicant's Request to Release Information

TO: (Leave this Blank)

FROM: (Applicant's Printed Name)
Peter D Kaldis

1. I/We hereby authorize and request all persons to whom this request is presented having information relating to or concerning the above named applicant to furnish such information to a duly appointed agent of the Marijuana Enforcement Division whether or not such information would otherwise be protected from the disclosure by any constitutional, statutory or common law privilege.
2. I/We hereby authorize and request all persons to whom this request is presented having documents relating to or concerning the above named applicant to permit a duly appointed agent of the Marijuana Enforcement Division to review and copy any such documents, whether or not such documents would otherwise be protected from disclosure by any constitutional, statutory, or common law privilege.
3. If the person to whom this request is presented is a brokerage firm, bank, savings and loan, or other financial institution or an officer of the same, I/we hereby authorize and request that a duly appointed agent of the Marijuana Enforcement Division be permitted to review and obtain copies of any and all documents, records or correspondence pertaining to me/us, including but not limited to past loan information, notes co-signed by me/us, checking account records, savings deposit records, safe deposit box records, passbook records, and general ledger folio sheets.
4. I/We do hereby make, constitute, and appoint any duly appointed agent of the Colorado Marijuana Enforcement Division, my/our true and lawful attorney in fact for me/us in my/our name, place, stead, and on my/our behalf and for my/our use and benefit:
 - (a) To request, review, copy sign for, or otherwise act for investigative purposes with respect to documents and information in the possession of the person to whom this request is presented as I/we might;
 - (b) To name the person or entity to whom this request is presented and insert that person's name in the appropriate location in this request;
 - (c) To place the name of the agent presenting this request in the appropriate location on this request.
5. I grant to said attorney in fact full power and authority to do, take, and perform all and every act and thing whatsoever requisite, proper, or necessary to be done, in the exercise of any of the rights and powers herein granted, as fully to all intents and purposes as I/we might or could do if personally present, with full power of substitution or revocation, hereby ratifying and confirming all that said attorney in fact, or his substitute or substitutes, shall lawfully do or cause to be done by virtue of this power of attorney and the rights and powers herein granted.
6. This power of attorney ends twenty-four (24) months from the date of execution.
7. The above named applicant has filed with the Colorado Marijuana Licensing Authority an application for a Marijuana license. Said applicant understands that it is seeking the granting of a privilege and acknowledges that the burden of proving its qualifications for a favorable determination is at all times on the applicant.
8. I/We do, for myself/ourselves, my/our heirs, executors, administrators, successors, and assigns, hereby release, remise, and forever discharge the person to whom this request is presented, and his agents and employees from all and all manner or actions, causes of action, suits, debts, judgments, executions, claims, and demands whatsoever, known or unknown, in law or equity, which the applicant ever had, now has, may have, or claims to have against the person to whom this request is being presented or his agents or employees arising out of or by reason of complying with the request.
9. A reproduction of this request by photocopying or similar process shall be for all intents and purposes as valid as the original.

Applicant's Last Name (Please Print)	First Name	Full Middle Name
Kaldis	Peter	Denton
Signature		Date
<i>Peter Kaldis</i>		10/26/23

AFFIRMATION OF REASONABLE CARE – PRIVATE COMPANY

87

Pursuant to section 44-10-309(4) C.R.S. and Rule 2-230(D), Applicant or Licensee affirms that, prior to submission of this application, it exercised reasonable care to confirm its Passive Beneficial Owners, (including any Qualified Institutional Investors) and Indirect Financial Interest Holders, are not Persons prohibited from being issued or holding a license by section 44-10-307 C.R.S., or otherwise restricted from holding an interest under the Colorado Regulated Marijuana Business Code. An Applicant's or Licensee's failure to exercise reasonable care is a basis for denial, fine, suspension, revocation or other sanction by the State Licensing Authority.

I, Susan A Kaldis, as Controlling Beneficial Owner or Manager for

Print

n/a

, state under penalty of perjury, pursuant to §18-8-503, that the foregoing is true and correct to the best of my knowledge, information and belief.

Signature

Susan Kaldis

THIS FORM MUST BE SIGNED Digitally signed by Susan Kaldis
Date: 2023.10.26 17:53:11 -06'00'

REQUIRED

Date (MM/DD/YY)

10/26/23

AFFIRMATION OF REASONABLE CARE – PUBLICLY TRADED CORPORATION

Pursuant to section 44-10-309(5) C.R.S. and Rule 2-230(D), Applicant or Licensee affirms that, prior to submission of this application, it exercised reasonable care to confirm its Non-objecting Passive Beneficial Owner, (including any Qualified Institutional Investors) and Indirect Financial Interest Holders, are not Persons prohibited from being issued or holding a license by section 44-10-307 C.R.S., or otherwise restricted from holding an interest under the Colorado Regulated Marijuana Business Code. An Applicant's or Licensee's failure to exercise reasonable care is a basis for denial, fine, suspension, revocation or other sanction by the State Licensing Authority.

I, n/a, as Controlling Beneficial Owner or Manager for

Print

n/a

, state under penalty of perjury, pursuant to §18-8-503, that the foregoing is true and correct to the best of my knowledge, information and belief.

Signature

Susan Kaldis

THIS FORM MUST BE SIGNED Digitally signed by Susan Kaldis
Date: 2023.10.26 17:43:07 -06'00'

REQUIRED

Date (MM/DD/YY)

10/26/23

Addendum A - NEW Business Application

Publicly Traded Company (PTC)

Please provide:

Stock Trading Symbol n/a	Name of Exchange(s) Traded On n/a	NAICS/SIC Code n/a
-----------------------------	--------------------------------------	-----------------------

Identify all regulatory agencies with oversight over the PTC's securities
n.a

Reporting agencies required reports submitted on:
n/a

Date of Registration with the Department of Regulatory Agencies (DORA) n/a	Number n/a
---	---------------

Provide a list of any privileged or professional licenses, with license numbers, you have held within the last three (3) years prior to the submission of the finding of suitability request. List those that were issued by the Colorado Department of Revenue or the Department of Regulatory Agencies, including all marijuana licenses. (Separate sheet)

Provide a description of the Publicly Traded Company's business and documents establishing the Publicly Traded Company (PTC) qualifies to hold a RMB license as referenced in section 44-10-103 (50) C.R.S.

Description
n/a

Attach a divestiture plan of any CBO that is prohibited by section 44-10-307 C.R.S., that has had his or her Owner's License revoked or has been found unsuitable.

Attach the most recent list of Non-Objecting Beneficial owners possessed by the PTC.

Identify the type of permitted transaction, i.e. Merger, Investment, or Public Offering and attach all supporting documentation.

Questions

Confirm that the PTC is current with all required filings pursuant to any applicable requirements by any securities regulatory authority including, but not limited to, the United States Securities and Exchange Commission or the Canadian Securities Administrators.

All Current Not Current (If not, explain on a separate sheet)

Confirm that all mandatory filings for CBO's as required by any securities regulatory authority, including, but not limited to the United States Securities and Exchange Commission or the Canadian Securities Administrators, have been filed and the MED has been provided concurrent notice with the filing. If No, explain on a separate sheet:

YES NO

Addendum B - NEW Business Application

Qualified Private Fund (QPF)

Please provide:

Identify all regulatory agencies with oversight over the QPF's securities

n/a

Reporting agencies required reports submitted on:

n/a

Date of Registration with the Department of Regulatory Agencies (DORA)

n/a

Number

n/a

Provide a list of any privileged or professional licenses, with license numbers, you have held within the last three (3) years prior to the submission of the finding of suitability request. List those that were issued by the Colorado Department of Revenue or the Department of Regulatory Agencies, including all marijuana licenses. (Separate sheet)

Provide a description of the QPF's business and documents establishing the QPF's qualifies to hold a RMB license.

Description

n/a

Questions

Confirm that the QPF is current with all required filings pursuant to any applicable requirements by any securities regulatory.

All Current Not Current (If not, explain on a separate sheet)

Confirm that ALL required findings of suitability, including all QPF managers, investment advisers, investment adviser representatives, any trustee or equivalent, and any other person that controls the investment in, or management or operations of, the RMB, have been obtained PRIOR TO the QPF becoming effective. If No, explain on a separate sheet:

YES NO

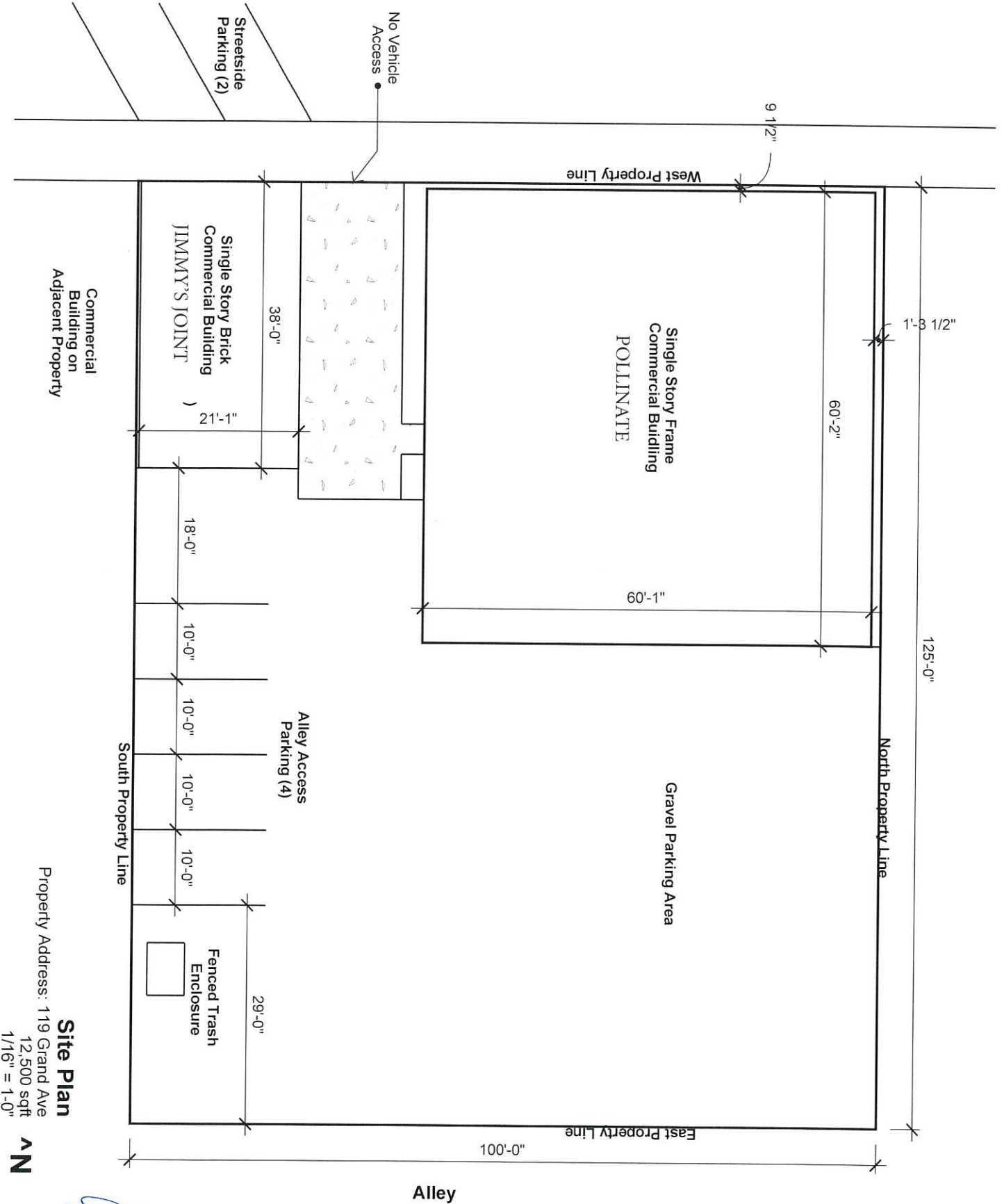
Addendum D

MARIJUANA RESEARCH AND DEVELOPMENT FACILITY ONLY (Disregard if you are not applying for an R & D license)

1. Is the Applicant currently either a Marijuana Research and Development Facility Licensee ("Licensed Research Business")? If yes, attach copies of the Conditional Medical Marijuana Business License issued by the State Licensing Authority, relevant local licensing authority issued license information, and any approved Research Projects.	<input type="checkbox"/> Yes <input type="checkbox"/> No
2. Does the License Research Business or Applicant, or parent or subsidiary of the thereof, possess a Medical Marijuana Testing Facility License issued by the State Licensing Authority? If yes, provide details in a separate document that address, at minimum, physical separation requirements of the Licensed Premises and marijuana inventory.	<input type="checkbox"/> Yes <input type="checkbox"/> No
3. Is there a separate Research Project proposal attached to this application that the Licensed Research Business or Applicant intends for the Division to review for its approval determination? a. If yes, proceed to question 4 below. b. If yes, the total application fee paid at the time of submission must include the fee amount for the Licensed Research Business application and Research Project proposal review c. If no, proceed to question 13 below.	<input type="checkbox"/> Yes <input type="checkbox"/> No
4. Does the Research Project proposal contain a description of the proposed Research Project, including at a minimum, the specific authorized research activity for which the Research Project may be authorized, defined protocols, clearly articulated goals, defined methods and outputs, defined start and end date, and the proposed quantity of Medical Marijuana, Medical Marijuana Concentrate, and/or Medical Marijuana-Infused Product reasonably required to conduct the proposed Research Project?	<input type="checkbox"/> Yes <input type="checkbox"/> No
5. In the Research Project proposal, this application, and/or any supplemental document(s), has the Licensed Research Business or Applicant disclosed all Persons who have, are, or will provide any funding for the proposed Research Project, including at a minimum, any Person who has funded or intends to fund the Licensed Research Business and/or proposed Research Project who does not hold a license issued by the State Licensing Authority and is neither a CBO nor a PBO, as an IFIH?	<input type="checkbox"/> Yes <input type="checkbox"/> No
6. In the Research Project proposal and/or any supplemental document(s), is there disclosed any contract or agreement, or memorialization thereof, that has been entered by the Licensed Research Business or Applicant with another Marijuana Research Business or public education research institution to conduct the proposed Research Project? If yes, include copies of any such documents.	<input type="checkbox"/> Yes <input type="checkbox"/> No
7. Is the proposed Research Project to be conducted in whole or in part with a Public Institution or Public Money? a. If yes, does the Research Project proposal contain all information required by section 44-10-507, C.R.S., and the Rule 5-705 series, 1 CCR 212-3, and in order to permit review of the proposed Research Project by the Scientific Advisory Council? b. If yes, does the Research Project proposal and/or any supplemental documents include disclosure(s) of any contract or agreement, or memorialization thereof, entered by the Licensed Research Business or Applicant to conduct the proposed Research Project with Public Funds or a Public Institution? If yes, attach copies of each.	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No
8. Is the proposed Research Project to be conducted entirely with private funding? a. If yes, has the Licensed Research Business or Applicant nominated one or more independent reviewer(s) for the proposed Research Project? If yes, proceed to part (b). b. If yes, has the Licensed Research Business or Applicant provided in the Research Project proposal and/or other documents proof that each nominated independent reviewer is a qualified researcher in the field of study that's related to the proposed Research Project? If no, the Division will not determine whether the nominated independent reviewer is qualified or review the Research Project proposal. If yes, proceed to part (c). c. If yes, has the Licensed Research Business or Applicant disclosed all pre-existing financial, employment, business, or personal relationships between the Licensed Research Business or any of its Owner Licensees and each independent reviewer nominee?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No

<p>9. Does the proposed Research Project involve and/or contemplate any Pesticide research activities?</p> <p>a. If yes, has the Licensed Research Business or Applicant applied for and received any necessary license, registration, certification, or permit from the Colorado Department of Agriculture? If yes, provide copies or other documentation.</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p><input type="checkbox"/> Yes <input type="checkbox"/> No</p>
<p>10. Does the proposed Research Project involve and/or contemplate any human subject research activities?</p> <p>a. If yes, has the Licensed Research Business or Applicant received approval and ongoing oversight and review of all aspects of the proposed Research Project by an Institutional Review Board that is registered and in good standing with the Office for Human Research Projects, United States Department of Health and Human Services? If yes, provide copies and/or other documentation evidencing such approval and oversight.</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p><input type="checkbox"/> Yes <input type="checkbox"/> No</p>
<p>11. Does the proposed Research Project involve and/or contemplate any animal subject research activities?</p> <p>a. If yes, has the Licensed Research Business or Applicant provided current registration with the United States Department of Agriculture? If yes, attach a copy.</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p><input type="checkbox"/> Yes <input type="checkbox"/> No</p>
<p>12. Does the proposed Research Project involve marijuana testing research activities?</p> <p>a. If yes, has the Licensed Research Business or Applicant provided proof and/or documentation that the applicant is qualified to test Medical Marijuana, Medical Marijuana Concentrate, and/or Medical Marijuana-Infused Products pursuant to at least one of the criteria in Rule 5-720, 1 CCR 212-3?</p> <p>b. If yes, has the Licensee provided proof and/or documentation that the applicant is qualified to test Medical Marijuana, Medical Marijuana Concentrate, and/or Medical Marijuana-Infused Products pursuant to Rule 5-415, 1 CCR 212-3?</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p><input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p><input type="checkbox"/> Yes <input type="checkbox"/> No</p>
<p>13. If applicant has not attached a separate Research Project proposal to this application, what is the approximate date that the applicant plans to submit to the Division the Research Project proposal? <u> n/a </u> (MM/DD/YY)</p> <p>a. If the separate Research Project proposal is the first to be submitted by a Licensed Research Business, then the submission of the Research Project proposal must occur within 12-months from the date the Division issued the Licensed Research Business License.</p> <p>b. Any Research Project proposal submitted after this application must be submitted pursuant to the procedures established by the Division.</p> <p>c. The fee cost for Division review is due at the time the Research Project proposal is submitted.</p>	
<p>14. Will this business be co-located? (May only be co-located with a commonly owned MMPM, MMC, RMPM or RMC)</p> <p>* If YES, please fill out DR 8542 and include with this application</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No</p>

Grand Ave



SITE DEVELOPMENT PLAN

Handwritten signature and date:
 12/11/2023

Site Plan
 Property Address: 119 Grand Ave
 12,500 sqft
 1/16" = 1'-0"





10/12/23, 12:03 PM Google Earth
 Welcome to the new Google Earth! A new look, designed to speed up how you create and share
 File View Add Tools Help

LOCATION: 119 GRAND AVE PAONIA, CO 81428
 Google Earth image shows surrounding area comprised of mostly commercial* and some residential properties.
 * Note: No schools or daycares within the radius.

SITE DEVELOPMENT PLAN

North Fork Curators, LLC dba Jimmy's Joint will take effective measures to eliminate all odor emitting from the 700 sq ft retail marijuana dispensary located at 119 Grand Ave, Paonia during operations.

We will install a **redundant carbon filtration system** that will be more than sufficient to mitigate all odors produced by the dispensary.

FACILITY INFORMATION

- North Fork Curators, LLC dba Jimmy's Joint
- Contact: Susie Kaldis, Owner, [REDACTED] northforkcurators@gmail.com
- Contact: Jimmy Lowe, Manager, [REDACTED] jimmysjointco@gmail.com
- Physical: 119 Grand Ave, Paonia, CO 81428
- Mailing: PO Box 694, Paonia, CO 81428
- Facility type: Retail Marijuana Dispensary
- Hours of Operation: Open 7 days a week; 8am to 9pm

ODOR MITIGATION PRACTICES

- According to industry standards, the best odor control technology for marijuana cultivation facilities is carbon filtration, therefore, we will use this technology to purify the air for our retail dispensary.
- Staff will be trained on how to use the carbon filtration odor control system.
- We will run the filtration system daily to mitigate odor.
- For our 700 sq ft facility, we only need one filter that our electrician will install per manufacturer guidelines.
- We will purchase a "Skunk Sucker" Carbon Air Filter from <https://carbonbulksales.com/>

SKUNK SUCKER FILTER DETAILS

The Skunk Sucker is an indoor air filter that can be used for: Cannabis Growers (Grow Rooms), Laser Cutters, CNCs, Processors, Restaurants, Storefronts, and other indoor applications

HOW IT WORKS

One of the most effective ways to filter smells is through the use of activated charcoal and carbon filters. The Skunk Sucker is an indoor air purifier that has a 32-pound carbon media capacity. As the Skunk Sucker feeds air through the carbon filters, our premium carbon attracts

and absorbs organic compounds with their pores. During this process, all unwanted contaminants or odors are processed through the carbon removing them from the air.

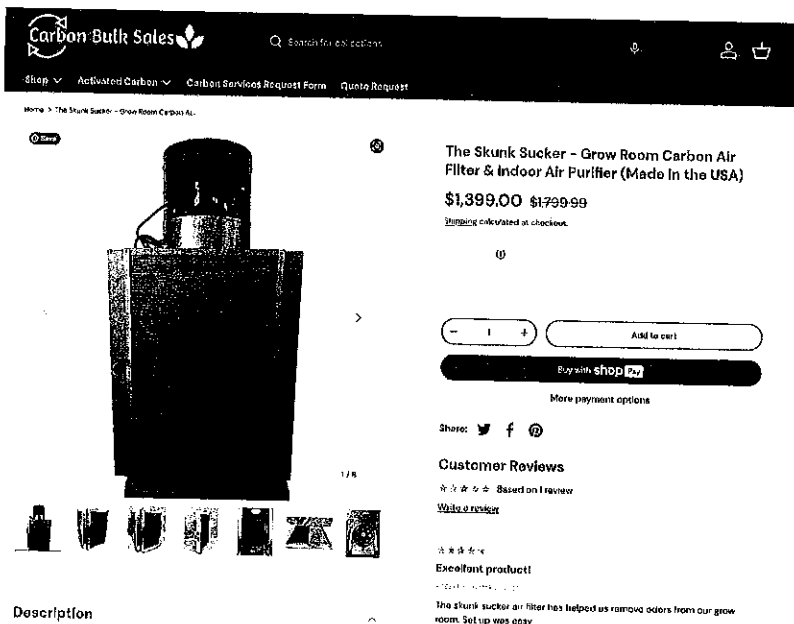
FEATURES AND BENEFITS

- Replace your can fan filter with our refillable units
- Flow Rates 200 to 3000 CFM
- Long-Term Engineered Solutions
- Proprietary Filter Media Exchange Service Engineered Solutions
- We know what we're filtering!
- Refillable Filters - No more throwing old filters away!
- We work with your HVAC contractor or current system mounted on the floor or elevated installation service.
- Our filters can be used with your current exhaust system!
- MADE IN THE USA
- The Skunk Sucker comes pre-filled with premium air filtration carbon.

WHY USE AN INDOOR PURIFIER?

- Protect crops from mold, pollen, and bacteria
- Creates a sanitized environment
- Easy to set up
- Filters out smells
- Easy Re-fill Technology

This filter was engineered so you can easily re-fill these air scrubbers. No more buying pre-packed cylinder filters that need to be replaced over time. Each panel was fabricated "cake box" style. All you need to do when it comes to replacing the carbon media from one of the panels is lay it down on a flat surface and unscrew two fasteners. Toss the old media, and sprinkle in the new media and you are back in compliance.



BUSINESS PLAN



North Fork Curators, LLC
DBA Jimmy's Joint

Location:
119 Grand Avenue, Paonia, CO, USA

Revised:
October 24, 2023

The Company

North Fork Curators, LLC DBA Jimmy's Joint is a family-owned and operated business established in 2023 by siblings Susie and Peter Kaldis. The company is managed by Susie's husband Jimmy Lowe with over 20 years experience in the marijuana industry. North Fork Curators retail shop, Jimmy's Joint, is located at 119 Grand Ave in Paonia, Colorado. The shop consists of a 800 square foot brick & mortar retail marijuana dispensary complete with storage, security system, and retail bud tending area.

The Ownership

The Company will be structured as a limited liability company (L.L.C.).

The Management

The Company will be managed by a hired manager. Susan Kaldis is co-owner, CEO, & Marketing Director. Peter Kaldis is co-owner, Chief Fun Officer, & Brand Ambassador.

The Goals and Objectives

The Company aims to accomplish the following goals and objectives: to provide high quality cannabis products to our customers; to maintain a clean, professional retail dispensary setting; to provide jobs to our local community; and, to stay current with trends in the cannabis industry.

The Products and Services

North Fork Curators DBA Jimmy's Joint carries an extensive line of highest quality cannabis products from Colorado-based manufacturers.

The Target Market

The Company 's target market has the following characteristics:

- Age: over 21 years of age; and
- Other: Cannabis users.

Pricing Strategy

The Company will use an economy pricing strategy.

The Company

Business Sector

The Members would like to start a business in the retail sector.

Company Background

North Fork Curators, LLC DBA Jimmy's Joint is a family-owned and operated business established in 2023 by siblings Susie and Peter Kaldis. The company is managed by Susie's husband Jimmy Lowe with over 20 years experience in the marijuana industry. North Fork Curators retail shop is located at 119 Grand Ave in Paonia, Colorado. The shop consists of a 1,050 square foot brick & mortar retail marijuana dispensary complete with storage, security system, and retail bud tending area.

Company Goals and Objectives

The Company aims to accomplish the following goals and objectives: to provide high quality cannabis products to our customers; to maintain a clean, professional retail dispensary setting; to provide jobs to our local community; and, to stay current with trends in the cannabis industry.

Company Ownership Structure

The Company will be structured as a limited liability company (L.L.C.).

Ownership Background

- Member: Susan A. Kaldis
- Member: Peter D. Kaldis

Company Management Structure

The Company will be managed by a hired manager. Susan Kaldis is co-owner, CEO, & Marketing Director. Peter Kaldis is co-owner, Chief Fun Officer, & Brand Ambassador.

Other management details: Daily operations will be managed by Jimmy Lowe. Jimmy is a seasoned cannabis professional with over 20 years experience in the cannabis industry.

Company Assets

The Company has the following assets:

- Equipment, with an estimated value of \$20,000.00.
- Inventory, with an estimated value of \$10,000.00

The Products and Services

North Fork Curators DBA Jimmy's Joint carries an extensive line of highest quality cannabis products from Colorado-based manufacturers.

Future Products and Services

Should Delta County legalize cannabis cultivation in the future, North Fork Curators has interest in expanding its products & services by developing its own signature cannabis products.

Marketing Plan

The Target Market

The Company 's target market has the following characteristics:

- Ages: over 21 years of age; and
- Other: Cannabis users.

Location Analysis

North Fork Curators DBA Jimmy's Joint is located on Grand Avenue in downtown Paonia, CO. Paonia, population 1,500, is a small rural mountain town in Delta County, Colorado. Known for its natural resources, including coal mining and farming, Paonia is a beautiful place to live. Paonia has many cultural assets including a state-certified Creative District managed by North Fork Valley Creative Coalition, the most organic farms and orchards per capita represented by Valley Organic Growers Association, and one of two high altitude winery associations in the state managed by the West Elks American Vintners Association.

Pricing

The Company will use an economy pricing strategy.

Advertising

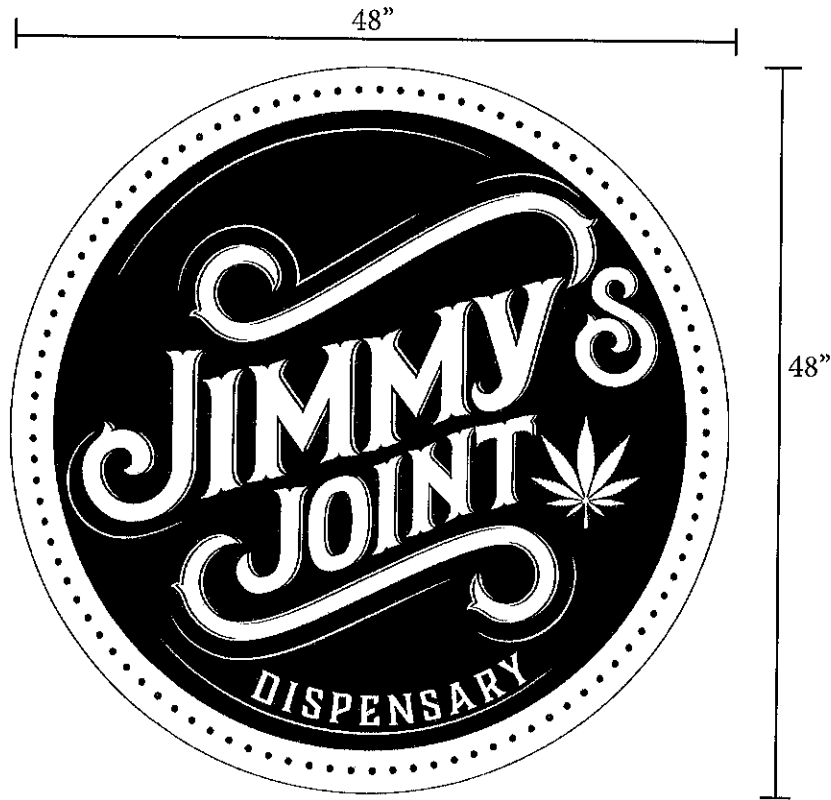
The Company will promote the business through:

- Online channels (website, Google ads, etc.);
- Email marketing (newsletters, brand story, etc.);
- Social media; and
- Print (magazines, flyers, etc.).

Operations

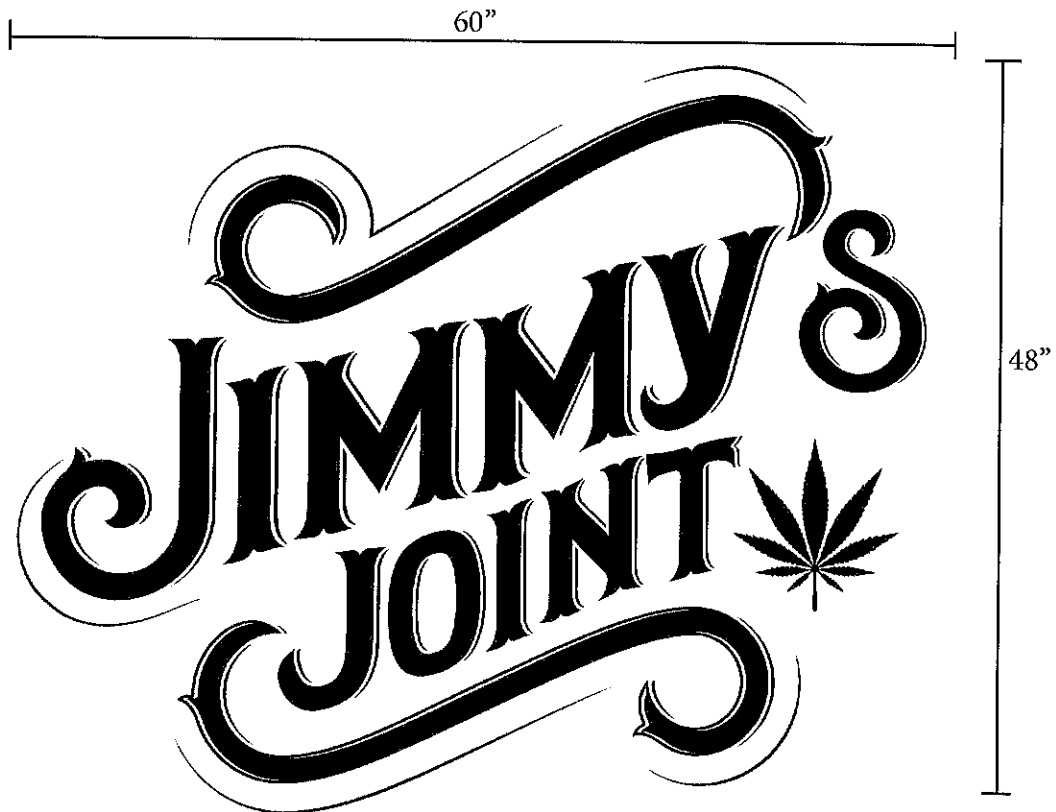
Staffing

The Company will employ 1 to 3 employees in the initial startup phase.



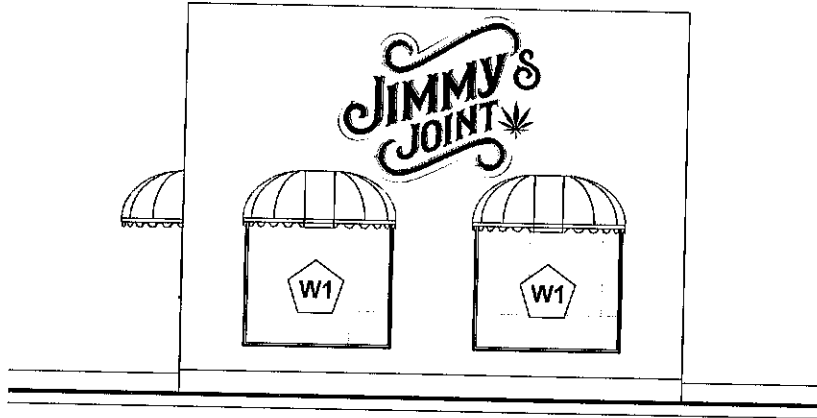
48" ROUND ALUMINUM SIGN

Double-sided; full color; powder-coated aluminum face; mounted in steel frame; connected to building with steel and bolts. Trades: Ira Houseweart Metalworks and Buds Signs.



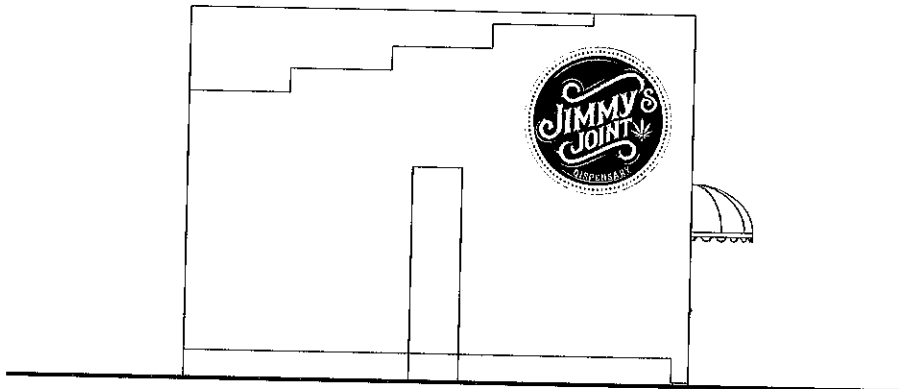
60" X 48" HAND PAINTED SIGN

Painted in dark grey directly on the surface of the brick building facade. Artist: TBD.



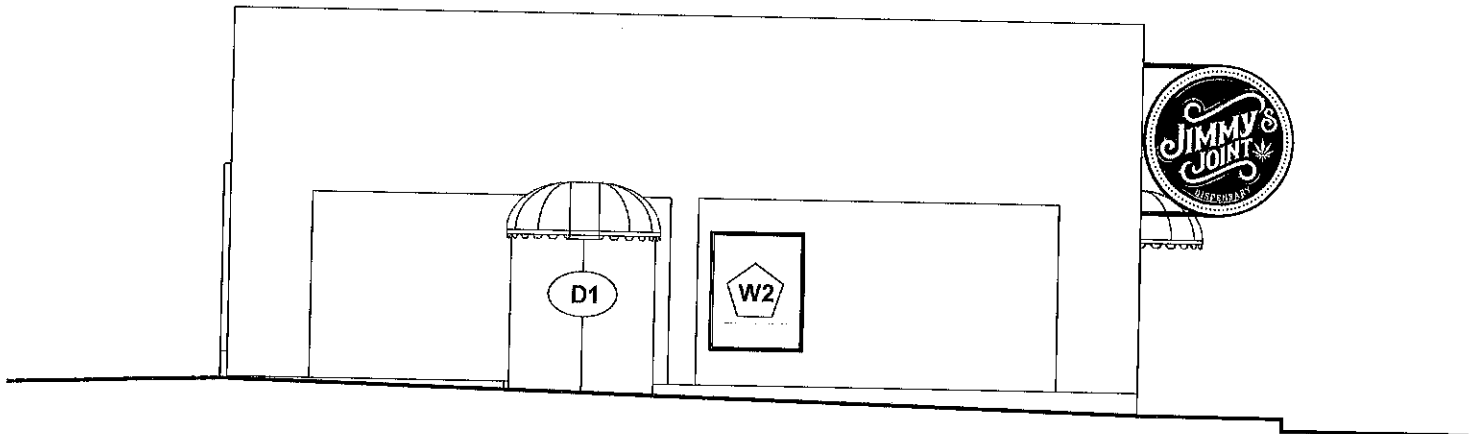
FACADE
STORE FRONT

West Elevation
1/8" = 1-0"



BACK
ALLEYWAY

East Elevation
1/8" = 1-0"



FACADE
SIDE VIEW

North Elevation
1/8" = 1-0"

COMMERCIAL LEASE AGREEMENT

This Commercial Office Lease Agreement is made and entered into between **POLLINATE PAONIA, LLC**, a Colorado Limited Liability Company, referred to in this lease as Lessor, and **NORTH FORK CURATORS, LLC DBA JIMMY’S JOINT**, a Colorado Limited Liability Company, referred to in this lease as Lessee. Lessor and Lessee shall sometimes be referred to herein individually as a “Party” and collectively as the “Parties”.

In consideration of the mutual covenants and agreements set forth in this lease, and other good and valuable consideration, Lessor leases to Lessee, and Lessee leases from Lessor, **Brick Annex Building comprising approximately 700 square feet of space, 119 Grand Avenue, Paonia**, and more particularly described in **Exhibit A** attached to this lease. These premises are referred to in this lease as “the premises” or “the leased premises.” The 119 Grand Avenue Building is referred to in this lease as “the building.”

I. TERM.

- I.1. **Term of Lease.** The term of this lease shall be 26 months, commencing on WEDNESDAY, NOVEMBER 1, 2023 at 4:00 pm and ending on WEDNESDAY, DECEMBER 31, 2025 at 4:00 pm, unless terminated sooner as provided in this lease.
- I.2. **Option to Extend Term.** Lessee has the right to extend this lease beyond the expiration date provided in Paragraph 1.1 on the following terms and conditions:
 - (a) Should Lessee fully and faithfully perform all of the terms and conditions of this lease, Lessee may extend the term of this lease for a period of an additional twelve (12) months, with the extended term to begin on the day following the expiration date of the lease term specified in Paragraph 1.1, and for one additional periods of the same length, each to commence on the day following the expiration date of the immediately preceding extended term. However, if at the date of expiration of the original term or any extended term, Lessee is in default beyond any grace period provided in this lease in the performance of any of the terms or provisions of this lease, the remaining option or options shall be null and void. All the terms, covenants, and provisions of the original lease term shall apply to all extended lease terms.
 - (b) Lessee may exercise each option to extend this lease by giving Lessor notice of its intention to do so not later than **thirty (30) days** prior to the expiration of the lease term in the case of the initial option to extend, or prior to the expiration of the extended lease term in the case of successive options to extend. If Lessee will not exercise such option, then Lessee shall give Lessor notice of Lessee’s intention to quit and vacate the premises not later than the expiration of the lease term in the case of the initial option to extend, or prior to the expiration of the extended lease term in the case of successive options to extend. To constitute effective notice of an intention under this lease, the notice must be sent by certified or registered mail to

Lessor at the address provided in Paragraph 15.2 of this lease and must be postmarked no later than the latest date provided herein for Lessee’s exercise of the option.

I.3. **Holdover.** If Lessee holds over and continues in possession of the leased premises after expiration of the term of this lease or any extension of that term, Lessee will be deemed to be occupying the premises as a tenant at sufferance, subject to all of the terms and conditions of this lease and subject to holdover rent, which shall be one and a half times the rent of the month before any holdover, and shall increase one percent per month of holdover. Lessee shall indemnify the Lessor for all damages arising from the holdover, and such damages shall be considered additional rent owed to Lessor.

II.RENT.

II.1. **Basic Rent.** Lessee will pay to Lessor the sum of \$1500.00 per month, from the commencement of the term of this lease and continuing throughout the original lease term, in advance on the first day of each month, without offset or deduction. This will be known as the “basic rent.” Rent for any fractional month at the beginning or end of the lease term shall be prorated on a per diem basis. This basic rent will increase by \$200.00 for the next extended lease term, so that the basic rent during the first extended term will be \$1,700.00.

- (a) **Rent shall include: electricity, natural gas, internet, water, and sewer.**
- (b) **Rent shall not include: telephone lines, any other utility.**

III.USE OF PREMISES.

III.1. **Permitted Use.** Lessee will use the leased premises only for a RETAIL MARIJUANA STORE, unless Lessor shall give Lessee prior written consent for a different use.

III.2. **Insurance Hazards.** Lessee shall not use the premises or permit them to be used in any manner that will cause a cancellation of, or an increase in the existing rates for, fire, liability, or other insurance policies insuring the premises or any improvements on the premises, or insuring the Lessor for any liability in connection with ownership of the premises.

III.3. **Waste, Nuisance, or Illegal Uses.** Lessee shall not use the premises or permit them to be used in any manner that results in waste of the premises or constitutes a nuisance. Lessee shall not use the premises or permit them to be used for any illegal purpose. Lessee at its own expense will comply, and will cause its officers, employees, agents, and invitees to comply, with all applicable laws and ordinances, and with all applicable rules and regulations of governmental agencies concerning the use of the premises.

III.4. **Use of Common Areas.** Restrooms, hallways, lobbies, parking lots, walkways, and all other common areas of the building are for the joint use of Lessee and the other tenants of the building. Lessee and its officers, employees, agents, and invitees will use such

common areas in a reasonable, orderly, and sanitary manner in cooperation with all other tenants and their officers, employees, agents, and invitees.

- III.5. **Consideration for Other Tenants.** Lessee will conduct itself, and will cause its officers, employees, agents, and invitees to conduct themselves, with full regard for the rights, convenience, and welfare of all other tenants in the building.
- III.6. **Certificate of Occupancy.** Lessee will not at any time use or occupy the leased premises in violation of the certificate of occupancy issued for the building of which the leased premises are a part.
- III.7. **Premises Leased As-Is.** Lessee has inspected the leased premises and accepts them as is. In any event, Lessor makes no representation as to the condition of the leased premises. Neither Lessor nor Lessor’s agents have made any representations or promises with respect to the physical condition of the building, the land upon which it is erected, or the leased premises, the rents, leases, expenses of operation or any other matter or thing affecting or related to the premises, except as herein expressly set forth, and no rights, easements, or licenses are acquired by Lessee by implication or otherwise, except as expressly set forth, in the provisions of this lease. Lessee has inspected the building and the leased premises and is thoroughly acquainted with their condition and agrees to take the same “as is” and acknowledges that the taking of possession of the leased premises by Lessee shall be conclusive evidence that the said premises and the building of which the same form a part were in good and satisfactory condition at the time such possession was so taken, except as to latent defects. All understandings and agreements heretofore made between the parties hereto are merged in this contract, which alone fully and completely expresses the agreement between Lessor and Lessee and any executory agreement hereafter made shall be ineffective to change, modify, discharge or effect an abandonment of it in whole or in part, unless such executory agreement is in writing and signed by the party against whom enforcement of the change, modification, discharge or abandonment is sought.

IV.SERVICES, MAINTENANCE, AND SURRENDER.

- IV.1. **Services and Maintenance by Lessor.** Lessee agrees to give prompt notice of any defective or unsafe condition in the leased premises or the building for which Lessor may be responsible hereunder. There shall be no allowance to Lessee for diminution of rental value and no liability on the part of Lessor by reason of inconvenience, annoyance, or injury to business arising from Lessor or others making repairs, alterations, additions, or improvements in or to any portion of the building or the leased premises or in and to the fixtures, appurtenances, or equipment thereof. It is specifically agreed that Lessee shall not be entitled to any setoff or reduction of rent by reason of any failure of Lessor to comply with the covenants of this or any other article of this lease. The provisions of this section shall not apply in the cases of fire or other casualty, which are dealt with in Article VII. In addition, Lessor shall have the right at any time, without the same constituting an eviction and without incurring liability to Lessee therefore, to change the

arrangement and/or location of public entrances, passageways, doors, doorways, corridors, stairs, toilets, or other public parts of the building and to change the name, number or designation by which the building may be known. There shall be no allowance to Lessee for diminution of rental value and no liability on the part of Lessor by reason of inconvenience, annoyance, or injury to business arising from Lessor or other tenants making any such repairs in the building or any such alterations, additions and improvements. Furthermore, Lessee shall not have any claim against Lessor by reason of Lessor's imposition of such controls of the manner of access to the building by Lessee's social or business visitors as the Lessor may deem necessary for the security of the building and its occupants. So long as Lessee is not in default under the terms of this lease, Lessor shall furnish the leased premises with the following services and maintenance at Lessor's sole expense, unless otherwise stated below:

- (a) **Heat and air conditioning.** Heat and evaporative cooling air conditioning are included in the Rent.
- (b) **Electricity.** Electric current consisting of 200 amp, 120 v service for lighting and ordinary business appliances. Lessee covenants and agrees that at all times its use of electric current shall not exceed the capacity of existing feeders to the building or the risers or wiring installation and Lessee may not use any electrical equipment which, in Lessor's opinion, reasonably exercised, will overload such installations or interfere with the use thereof by other tenants of the building. The change at any time of the character of electric service shall in no way make Lessor liable or responsible to Lessee, for any loss, damages, or expenses that Lessee may sustain.
- (c) **Smoke alarms and fire sprinkling system.** Smoke alarms and fire sprinkling system as required by law and as necessary for the safety and welfare of alle tenants and occupants of the building.
- (d) **Maintenance of common areas.** Maintenance of the public and common areas of the building and the property on which the building is situated, including lobbies, corridors, restrooms, walkways, and parking areas, in reasonably good order and condition, including appropriate landscaping of outdoor areas.
- (e) **Maintenance of building structure.** Maintenance of the structure of the building, including but not limited to the roof, exterior walls, including windows, floors, and foundation.

IV.2. Maintenance and Surrender by Lessee.

- (a) Except as provided in Paragraph 4.1, Lessee shall maintain the leased premises throughout the lease term and any extensions of that term, and keep them free from waste or nuisance. Lessee shall, throughout the term of this lease, take good care of the leases premises and the fixtures therein. Lessee shall be responsible for all damage or injury to the leased premises or any other part of the building and the systems and equipment thereof, whether requiring structural or nonstructural repairs, caused by or resulting from negligence, carelessness, omission, neglect, or

improper conduct of Lessee, Lessee's subtenants, agents, employees, invitees or licensees, if any, or which arise out of any work, labor, service, or equipment done for or supplied to Lessee or any subtenant or arising out of the installation, use, or operation of the property or equipment of Lessee or any subtenant. Lessee shall also repair all damage to the building and the leased premises caused by the moving of Lessee's fixtures, furniture, and equipment. Lessee shall promptly make, at Lessee's expense, all repairs in and to the leased premises for which Lessee is responsible, using only the contractor for the trade or trades in question, selected from a list of at least two contractors per trade submitted by Lessor. Any other repairs in or to the building or the facilities and systems thereof for which Lessee is responsible shall be performed by Lessor at the Lessee's expense. At the termination of the lease, Lessee shall deliver the premises in as good a condition and state of repair as they were in at the time Lessor delivered possession to Lessee, reasonable wear and tear and damage by fire, flood, or other casualty as addressed in Article VII excepted. In the event Lessee should neglect to reasonably maintain the leased premises, Lessor shall have the right, but not the obligation, to cause repairs or corrections to be made, and any reasonable costs incurred for such repairs or corrections for which Lessee is responsible shall be payable by Lessee to Lessor as additional rental on the next rental installment date.

- (b) **Requirements of Law, Fire Insurance, Floor Loads:** At all times, Lessee, at Lessee's sole cost and expense, shall promptly comply with all present and future laws, orders, and regulations of all state, federal, municipal, and local governments, departments, commissions, and boards, and any direction of any public officer pursuant to law, and all orders, rules and regulations of any body, which shall impose any violation, order, or duty upon Lessor or Lessee with respect to the leased premises, whether or not arising out of Lessee's use or manner of use thereof, including Lessee's permitted use or, with respect to the building, if arising out of Lessee's use or manner of use of the premises or the building, including the use permitted under the lease. Nothing herein shall require Lessee to make structural repairs or alterations unless Lessee has, by its manner of use of the leased premises or method of operation therein, violated any such laws, ordinances, orders, rules, regulations, or requirements with respect thereto. Lessee may, after securing Lessor to Lessor's satisfaction against all damages, interest, penalties, and expenses, including, but not limited to, reasonable attorney's fees, by cash deposit or by surety bond in an amount and in a company satisfactory to Lessor (which expenses, costs, or amounts shall be considered additional rent), contest and appeal any such laws, ordinances, orders, rules, regulations, or requirements provided same is done with all reasonable promptness and provided such appeal shall not subject Lessor to prosecution for a criminal offense or constitute a default under any lease or mortgage under which Lessor may be obligated, or cause the leased premises or any part thereof to be condemned or vacated. Lessee shall not do or permit any act or thing to be done in or to the leased premises which is contrary to law, or which will

invalidate or be in conflict with public liability, fire, or other policies of insurance at any time carried by or for the benefit of Lessor with respect to the leased premises or the building of which the leased premises form a part, or which shall or might subject Lessor to any liability or responsibility to any person or for property damage. Lessee shall not keep anything in the leased premises that would increase the rate for fire insurance applicable to the building, nor use the premises in a manner which will increase the insurance rate for the building or any property located therein over that in effect prior to the commencement of Lessee's occupancy. Lessee shall pay all costs, expenses, fines, penalties, or damages, which may be imposed upon Lessor by reason of Lessee's failure to comply with the provisions of this section, and if by reason of such failure, the fire insurance rate shall, at the beginning of this lease or at any time thereafter, be higher than it otherwise would be, then Lessee shall reimburse Lessor, as additional rent hereunder, for that portion of all fire insurance premiums thereafter paid by Lessor, which shall have been charged because of such failure by Lessee. In any action or proceeding wherein Lessor and Lessee are parties, a schedule or "make-up" of rate for the building or leased premises issued by the body making fire insurance rates applicable to said premises shall be conclusive evidence of the facts herein stated and of several items and charges in the fire insurance rates then applicable to said premises. Lessee shall not place a load upon any floor of the leased premises exceeding the floor load per square foot area that it was designed to carry and which is allowed by law. Lessor reserves the right to prescribe the weight and positions of all safes, business machines, and mechanical equipment. Such installations shall be placed and maintained by Lessee, at Lessee's expense, in settings sufficient, in Lessor's judgment, to absorb and prevent vibration, noise, and annoyance.

V.TAXES.

V.1. Lessee shall be liable for all taxes levied or assessed against personal property, furniture, or fixtures placed by Lessee in or on the premises. If any such taxes for which Lessee is liable are levied or assessed against Lessor or Lessor's property, and if Lessor elects to pay the same, or if the assessed value of Lessor's property is increased by inclusion of personal property, furniture, or fixtures placed by Lessee in the premises, and Lessor elects to pay the taxes based on such increase, Lessee shall pay to Lessor on demand that part of such taxes for which Lessee is primarily liable under this section and it shall be considered additional rent.

VI.ALTERATIONS, ADDITIONS, IMPROVEMENTS, AND FIXTURES.

VI.1. **Consent of Lessor.** Lessee shall not make any alterations, additions, or improvements to the leased premises without the prior written consent of Lessor. Consent for nonstructural alterations, additions, or improvements shall not be unreasonably withheld by Lessor. Subject to the prior written consent of Lessor, and to the provisions of this lease, Lessee, at Lessee's expense, may make alterations, installations, additions, or improvements

which are nonstructural, and which do not affect utility services or plumbing and electrical lines, in or to the interior of the leased premises by using contractors or mechanics first approved by Lessor. Lessee shall, before making any alterations, additions, installations, or improvements, at its expense, obtain all permits, approvals, and certificates required by any governmental or quasi-governmental bodies and, upon completion, certificates of final approval thereof, and shall deliver promptly duplicates of all such permits, approvals, and certificates to Lessor. Lessee agrees to carry and will cause Lessee's contractors and sub-contractors to carry such worker's compensation, general liability, personal, and property damage insurance as Lessor may require.

VI.2. **Property of Lessor.** All alterations, additions, improvements, fixtures, paneling, partitions, railings, and like installations, installed in the premises at any time, either by Lessee or by Lessor on Lessee's behalf, shall, upon installation, become the property of Lessor and shall remain upon and be surrendered with the leased premises, unless Lessor, by notice to Lessee prior to the date fixed as the termination of this lease, elects to relinquish Lessor's right thereto and to have them removed by Lessee, in which event the same shall be removed from the premises by Lessee prior to the expiration of the lease, at Lessee's expense.

VI.3. **Trade Fixtures.** Nothing in this article shall be construed to give Lessor title to, or to prevent Lessee's removal of, trade fixtures, moveable office furniture and equipment, provided that Lessee complies with all applicable governmental laws, ordinances, and regulations and provided that Lessee is not in default at that time and the fixtures can be removed without structural damage to the premises. Upon removal of any such items from the premises or upon removal of other installations as may be required by Lessor, Lessee shall immediately and at its expense, repair, and restore the premises to the condition existing prior to installation and repair any damage to the leased premises or the building due to such removal. All property permitted or required to be removed, by Lessee at the end of the term remaining in the premises after Lessee's removal shall be deemed abandoned and may, at the election of Lessor, either be retained as Lessor's property or may be removed from the premises by Lessor, at Lessee's expense.

VII.CASUALTY, DAMAGE, OR DESTRUCTION.

VII.1. **Notice to Lessor.** If the leased premises, or any structures, improvements, or part the leased premises should be damaged or destroyed by fire, flood, or other casualty, Lessee shall give immediate written notice of the damage or destruction to Lessor, including a description of the damage and, as far as known to Lessee, the cause of the damage, and this lease shall continue in full force and effect, except as hereinafter set forth.

VII.2. **Partial Destruction.** If the leased premises are damaged by fire, flood, or other casualty not the fault of Lessee or any person in or about the leased premises with the express or implied consent of Lessee, but not to such an extent that rebuilding or repairs cannot reasonably be completed within 90 working days and at a cost not to exceed \$150,000,

this lease shall not terminate, except as provided in paragraphs 7.3(a) and 7.3(b). The rent, until such repair shall be substantially completed, shall be apportioned from the day following the casualty according to the part of the premises that is usable.

- (a) If the partial destruction of the leased premises occurs before the final three (3) months of the lease term, Lessor shall, at its sole cost and risk, proceed immediately to rebuild or repair the damaged buildings and improvements to substantially the condition in which they existed before such damage. If the leased premises are untenable in whole or in part following such damage, the rent payable during the period in which they are untenable shall be adjusted equitably. In the event that Lessor should fail to complete such rebuilding or repairs within ninety (90) working days from the date of written notification by Lessee to Lessor of the occurrence of the damage, Lessee may terminate this lease by written notification to Lessor. Upon such notification, all rights and obligations under this lease shall cease.
- (b) If partial destruction of the leased premises occurs in the final three (3) months of the lease term, Lessor need not rebuild or repair the premises. If Lessor elects not to rebuild or repair the premises and the leased premises are untenable in whole or in part following such damage, Lessee may elect to terminate the lease or to continue the lease with the rent for the remainder of the lease period adjusted equitably.

VII.3. After any casualty, Lessee shall cooperate with Lessor's restoration by removing from the premises as promptly as reasonably possible, all of Lessee's salvageable inventory and movable equipment, furniture, and other property. Where applicable as provided above, Lessee's liability for rent shall resume five (5) days after written notice from Lessor that the premises are substantially ready for Lessee's occupancy.

VII.4. Nothing contained hereinabove shall relieve Lessee from liability that may exist as a result of damage from fire or other casualty. Notwithstanding the foregoing, each party shall look first to any insurance in its favor before making any claim against the other party for recovery for loss or damage resulting from fire or other casualty, and to the extent that such insurance is in force and collectible and to the extent permitted by law, Lessor and Lessee each hereby releases and waives all right of recovery against the other or any one claiming through or under each of them by way of subrogation or otherwise. The foregoing release and waiver shall be in force only if both releasors' insurance policies contain a clause providing that such a release or waiver shall not invalidate the insurance.

VII.5. Lessee acknowledges that Lessor will not carry insurance on Lessee's furniture and/or furnishings or any fixtures or equipment, improvements, or appurtenances removable by Lessee and agrees that Lessor will not be obligated to repair any damage thereto or replace the same.

VII.6. Lessee shall obtain and keep in full force and effect during the term, at its own cost and expense (which shall be additional rent), to protect Lessor, Lessor's agents, Lessor's

lenders, and Lessee as additional insureds: (i) Public Liability Insurance to afford protection against any and all claims for personal injury, death, or property damage occurring in, upon, adjacent to or connected with the premises, the real property or any part thereof in an amount of not less than \$1,000,000 for injury or death arising out of any one occurrence, and \$1,000,000 for damage to property in respect of one occurrence or in any increased amount reasonably required by Lessor; and (ii) insurance against loss or damage by fire, and such other risks and hazards as are insurable under then available standard forms of fire insurance policies with extended coverage to Lessee's property for the full insurable value thereof. During such time as Lessee shall be constructing any improvements, Lessee shall carry builder's risk insurance covering all loss in an amount reasonably satisfactory to Lessor and its lenders. All such insurance shall be written in form and substance satisfactory to Lessor by an insurance company of recognized responsibility licensed to do business in Colorado, which shall be reasonably satisfactory to Lessor. Upon failure of Lessee to procure, maintain, and pay all premiums therefor, Lessor may, at its option, do so, and Lessee agrees to pay the cost thereof to Lessor as Additional Rent. Lessee shall cause to be included in all such insurance policies a provision to the effect that the same will be non-cancellable and not permitted to lapse except upon 30 days' prior notice to Lessor and Lessor's lenders. At the commencement of the lease, the original insurance policies or appropriate certificates shall be deposited with Lessor. Any renewals, replacements, or endorsements thereto shall also be so deposited. Throughout the term, Lessor and Lessee agree to use their best efforts to include in each of their insurance policies a waiver of the insurer's right of subrogation against the other party; or if such waiver should be unobtainable or unenforceable, an express agreement that such policy shall not be invalidated if the insured waives or has waived before the casualty the right of recovery against any party responsible for a casualty covered by the policy. If such waiver or agreement shall not be obtainable without additional charge, the insured party shall so notify the other party promptly and, if the other party shall pay the insurer's additional charge therefor, such waiver or agreement shall be included in the policy.

VIII.CONDEMNATION.

VIII.1. Total Condemnation. If during the term of this lease or any extension or renewal of it, all of the leased premises should be taken for any public or quasi-public use under any governmental law, ordinance, or regulation, or by right of eminent domain, or should be sold to the condemning authority under condemnation, this lease shall terminate, and the rent shall be abated during the unexpired portion of this lease, effective as of the date of the taking of the premises by the condemning authority.

VIII.2. Partial Condemnation. If less than all, but more than fifty percent (50%), of the leased premises is taken for any public or quasi-public use under any governmental law, ordinance, or regulation, or by right of eminent domain, or is sold to the condemning authority under threat of condemnation, either party may terminate the lease by giving written notice to the other party within thirty (30) days after possession of the condemned

portion is taken by the entity exercising the power of condemnation. If the leased premises are partially condemned and neither party elects to terminate the lease or, if less than twenty-five (25%) percent of the leased premises is condemned, this lease shall not terminate, but the rent shall be adjusted equitably during the unexpired portion of this lease.

VIII.3. **Condemnation Award.** Lessor shall receive the entire award from any condemnation, and Lessee shall have no claim to that award or for the value of any unexpired term of this lease.

IX. RULES AND REGULATIONS.

IX.1. Lessee and Lessee’s officers, employees, agents, and invitees will comply fully with all of the rules and regulations of the building and related facilities. These rules and regulations are attached to this lease as **Exhibit B**, and are made a part of the lease as though fully set out in the lease. Lessor shall at all times have the right to make reasonable changes, additions, or deletions to these rules and regulations for the purpose of ensuring or enhancing the safety, care, cleanliness, maintenance, or preservation of the building and related facilities and premises, as well as for the purpose of preserving good order in and on the building and its related facilities and premises. Lessee and its officers, employees, agents, and invitees will be bound by any such changes, additions, or deletions to the rules and regulations on receipt by Lessee of written notice from Lessor setting forth the changes, additions, or deletions. Lessee shall be responsible for the compliance of its officers, employees, and invitees with all such rules and regulations.

X. INSPECTION AND ACCESS BY LESSOR.

X.1. Lessor and its officers, agents, employees, and representatives shall have the right (but shall not be obligated) to enter into and on any and all parts of the leased premises in any emergency at any time, and, at all reasonable hours for purposes of inspection, cleaning, maintenance, repairs, alterations, or additions as Lessor may deem necessary (but without any obligation to perform any of these functions except as expressly provided in this lease), or to show the premises to prospective tenants, purchasers, or lenders. Lessee shall permit Lessor to use and maintain and replace pipes and conduits in and through the leased premises and to erect new pipes and conduits therein. Lessor may, during the progress of any work in the leased premises, take all necessary materials and equipment into the leased premises without the same constituting an eviction, nor shall the Lessee be entitled to any abatement of rent while such work is in progress nor to any damages by reason of loss or interruption of business or otherwise. Throughout the term, Lessor shall have the right to enter the leased premises at reasonable hours for the purpose of showing the same to prospective purchasers or mortgagees of the building, and during the last six months of the term for the purpose of showing the same to prospective tenants. If Lessee is not present to open and permit an entry into the premises, Lessor or Lessor’s agents may enter the same whenever such entry may be necessary or permissible, by master key

or forcibly, and, provided reasonable care is exercised to safeguard Lessee's property, such entry shall not render Lessor or its agents liable therefor, nor in any event shall the obligations of Lessee hereunder be affected. If, during the last month of the term, Lessee shall have removed all or substantially all of Lessee's property therefrom, Lessor may immediately enter, alter, renovate, or redecorate the leased premises without limitation or abatement of rent, or incurring liability to Lessee for any compensation, and such act shall have no effect on this lease or Lessee's obligations hereunder. Lessee shall not be entitled to any abatement or reduction of rent due to the entry of Lessor or any of its officers, agents, representatives, or employees pursuant to this article, nor shall such entry be deemed an actual or constructive eviction.

- X.2. Excavation or Shoring. If an excavation shall be made upon land adjacent to the leased premises, or shall be authorized to be made, Lessee shall comply with any law affording access to the leased premises in such a situation, and Lessee shall afford to the person causing or authorized to cause such excavation, license to enter upon the leased premises for the purpose of doing such work as said person shall deem necessary to preserve the wall or the building of which the leased premises form a part from injury or damage and to support the same by proper foundations. In such case, Lessee shall not have any claim for damages or indemnity against Lessor, or diminution or abatement of rent.

XI.MECHANIC'S LIENS.

- XI.1. Should Lessee commence any construction, repair, or improvement on the leased premises, Lessee will not permit any mechanic's lien or liens to be placed on the leased premises or on improvements on the premises. If a mechanic's lien is filed on the leased premises or on improvements on the leased premises, or the building of which the same forms a part, for work claimed to have been done for, or materials furnished to, Lessee, whether or not done pursuant to this article, the same shall be discharged by Lessee within thirty (30) days thereafter, at Lessee's expense, by filing the bond required by law. If default in payment of the lien continues for twenty days (20) after written notice from Lessor to Lessee, Lessor may, at its option, pay the lien or any portion of it without inquiry as to its validity. Any amounts paid by Lessor to remove a mechanic's lien caused to be filed against the premises or against improvements on the premises by Lessee, including expenses and interest, shall be due from Lessee to Lessor and shall be repaid to Lessor immediately on rendition of notice, together with interest at twelve percent (12%) per annum until repaid. Nothing in this lease constitutes Lessor's consent or request, express or implied, by inference or otherwise, to any contractor, subcontractor, laborer, or material supplier to perform any labor or furnish any materials for any improvement, alternation, or repair of the leased premises or any part of the building, or to subject Lessor's property to any mechanic's lien.

XII.INDEMNITY.

- XII.1. Lessee shall indemnify, defend, and save and hold Lessor harmless against and from any and all liabilities, obligations, damages, penalties, claims, demands, costs, and expenses, including reasonable attorneys' fees and expert's fees, for the defense of such claims and demands arising from the conduct or management of Lessee's business on the leased premises or its use of the leased premises, or from any breach on the part of Lessee or Lessee's agents, contractors, employees, invitees, or licensees, of any covenant or condition of this lease, or from any act or negligence, carelessness, or improper conduct of Lessee, or its officers, agents, contractors, employees, subtenants, licensees, or invitees in or about the leased premises. For further clarity, Lessee's liability under this lease extends to the acts and omissions of any of Lessee's agents, contractors, employees, invitees, licensees, subtenants, and any agent, contractor, employee, invitee, or licensee of any subtenant. In case any action or proceeding is brought against Lessor by reason of any such claim, Lessee, upon written notice from Lessor, will, at Lessee's expense, resist or defend such action or proceeding by counsel approved by Lessor in writing, such approval not to be unreasonably withheld.
- XII.2. Lessor or its agents shall not be liable for any damage to property of Lessee or of others entrusted to employees of the building, nor for loss of or damage to any property of Lessee by theft or otherwise, nor for any injury or damage to persons or property resulting from any cause of whatsoever nature, unless caused by or due to the gross negligence, or willful misconduct of Lessor], its agents, servants, or employees. Lessor or its agents will not be liable for any such damage caused by other tenants or persons in, upon, or about said building or caused by operations in construction of any private, public, or quasi-public work. If at any time any windows of the leased premises are temporarily closed, darkened, or bricked up (or permanently closed, darkened or bricked up, if required by law) for any reason whatsoever including, but not limited to Lessor's own acts, Lessor shall not be liable for any damage Lessee may sustain thereby and Lessee shall not be entitled to any compensation therefor nor abatement or diminution of rent nor shall the same release Lessee from its obligations hereunder nor constitute an eviction.

XIII. ASSIGNMENT AND SUBLEASE.

- XIII.1. **Assignment and Subletting by Lessee.** Lessee shall have the right, but only with the prior written consent of Lessor, to assign this lease, and any interest in the lease, and to sublet the leased premises, or any part of them, or any right or privilege pertinent to the lease or the leased premises, provided each assignee assumes in writing all of Lessee's obligations under this lease and Lessee shall remain liable for each and every obligation under this lease. Lessor's consent under this paragraph will not be arbitrarily or unreasonably withheld. Transfer of the majority of the interest of an entity Lessee shall be deemed an assignment.
- XIII.2. **Assignment by Lessor.** Lessor is expressly given the right to assign any or all of its interest under the terms of this lease.

XIV.DEFAULT.

XIV.1. Lessee's Default. The following events shall be deemed events of default and a significant breach of the lease by Lessee under this lease:

- (a) Lessee fails to pay any installment of rent due under this lease and the failure continues for a period of ten (10) days.
- (b) Lessee fails to comply with any term, provision, or covenant of this lease, other than the payment of rent, and does not cure the failure within twenty (20) days after written notice of the failure to Lessee.
- (c) The commencement of a case in bankruptcy or under the laws of any state naming Lessee as the debtor or if Lessee makes an assignment for the benefit of creditors.
- (d) Lessee deserts or vacates any substantial portion of the premises for a period of five (5) or more days.

XIV.2. Remedies for Default. On the occurrence of any event of default specified in Paragraph 14.1, Lessor shall have the option to pursue the following remedy. Lessor may terminate this lease after at least three days' written notice, in which event Lessee shall immediately surrender the premises to Lessor. Pursuant to the laws of the State of Colorado, Lessor may, without prejudice to any other remedy that it may have for possession or arrearages in rent, seek permission from the Court to enter on and take possession of the premises and remove all persons and property, and may re-let the premises, or any part of the premises, for all or any part of the remainder of the lease term to a party satisfactory to Lessor at such monthly rental as Lessor with reasonable diligence is able to secure and on such terms as Lessor deems advisable. Lessee agrees to pay Lessor on demand the amount of all loss and damage, the expense of repossession, and any deficiency that Lessor suffers by reason of such termination and re-letting, whether through inability to re-let the premises on satisfactory terms or otherwise. For clarity, additional rent shall also include all the payments for which the lessee is obligated under this section.

XIV.3. Lessor's Lien. Lessor shall have, at all times, a valid security interest to secure payment of all rentals and other sums of money becoming due under this lease from Lessee, and to secure payment of any damages or loss that Lessor may suffer by reason of breach by Lessee of any covenant, agreement, or condition contained in this lease, on all goods, wares, equipment, fixtures, furniture, and other personal property of Lessee that is now on the premises or that is placed on the premises without the consent of lessor until all arrearages in rent and all sums of money then due to Lessor under this lease have been paid and discharged, and all the covenants, agreements, and conditions of this lease have been fully complied with and performed by Lessee. On the occurrence of an event of default by Lessee, Lessor may, in addition to any other remedies provided in this lease or by law, after giving reasonable notice of the intent to take possession and giving an opportunity for a hearing on the issue, enter on the premises and take possession of any and all goods, wares, equipment, fixtures, furniture, and other personal property of Lessee situated on the premises, without liability for trespass or conversion, and sell the

same at public or private sale, with or without having such property at the sale, after giving Lessee reasonable notice of the time and place of any public sale or of the time after which any private sale is to be made. Lessor or its assigns may purchase any items to be sold at such a sale unless they are prohibited from doing so by law. Unless otherwise provided by law, and without intending to exclude any other manner of giving Lessee reasonable notice, the requirement of reasonable notice shall be met if such notice is given at least five days before the time of sale. The proceeds from any disposition, less any and all expenses connected with the taking of possession, holding, and selling of the property (including reasonable attorneys' fees and other expenses), shall be applied as a credit against the indebtedness secured by the security interest granted in this paragraph. Any surplus shall be paid to Lessee or as otherwise required by law, and Lessee shall pay any deficiencies immediately. On request by Lessor, Lessee agrees to execute and deliver to Lessor a financing statement in form sufficient to perfect the security interest of Lessor in the aforementioned property and proceeds under the provisions of the Uniform Commercial Code in force in Colorado. The statutory liens for rent are not waived, the security interest granted in this article being in addition, and supplementary, to those liens.

XIV.4. **Cumulative Remedies.** Pursuit of any of the remedies provided in this lease by either Lessor or Lessee shall not preclude pursuit of any of the other remedies provided in this lease or by law. Pursuit of any remedy provided in this lease or by law by either party shall not constitute a forfeiture or waiver of any damages accruing to either party due to the violation of any of the terms, provisions, and covenants contained in this lease. Nor shall pursuit of any remedies provided in this lease by Lessor constitute a waiver or forfeiture of any rent due to Lessor under this lease.

XIV.5. **No Waiver of Default.** No waiver by either party of any default or violation or breach of any of the terms, provision, or covenants contained in this lease shall be deemed or construed to constitute a waiver of any other violation or breach of any of the terms, provisions, and covenants of the lease. Forbearance by either party to enforce one or more of the remedies provided in this lease or by law on an event of default shall not be deemed or construed to constitute a waiver of such default. Lessor's acceptance of rent following an event of default under this lease shall not be construed as Lessor's waiver of the default.

XIV.6. **Surrender of Premises.** No act or thing done by Lessor or its agents during the lease term shall be deemed an acceptance of a surrender of the premises, and no agreement to accept a surrender of the premises shall be valid unless the same is in writing and subscribed by Lessor.

XIV.7. **Waiver of Lessee's Right of Redemption.** Lessee hereby expressly waives any and all rights of redemption granted by or under the laws of the State of Colorado, and any other similar or successor statute or laws, in the event of Lessee being evicted or dispossessed for any cause, or in the event of Lessor obtaining possession of the leased premises, by

reason of the violation by Lessee of any of the covenants and conditions of this lease, or otherwise.

XV.MISCELLANEOUS.

XV.1. **Mortgages.** This lease is subject and subordinate to all ground or underlying leases and to all mortgages which may now or hereafter affect such leases or the real property of which leased premises are a part and to all renewals, modifications, consolidations, replacements and extensions of any such underlying leases and mortgages. Lessee accepts this lease subject to any deeds of trust, security interests, or mortgages that might now or later constitute a lien on the building or on improvements in the building or on the leased premises. Lessee must, on demand, execute any certificate, instruments, releases, or other documents that are required by Lessor or any mortgagee for the purpose of subjecting and subordinating this lease to the lien of any such deed of trust, security interest, or mortgage. With respect to any deed of trust, security interest, or mortgage constituting a lien on the building or improvements in the building or the leased premises, Lessor has the right to waive the applicability of this paragraph so that this lease will not be subject and subordinate to any such deed of trust, security interest, or mortgage. This section shall be self-operative and no further instrument of subordination shall be required by any ground or underlying lessor or by any mortgage, affecting any lease or the real property of which the leased premises are a part.

XV.2. **Notices and Addresses.** All notices to be given under this agreement shall be given by certified mail or registered mail, addressed to the proper party, at the following addresses:

Lessor
POLLINATE PAONIA, LLC
Attn: Susie Kaldis
[REDACTED] Paonia, CO 81428

Lessee
North Fork Curators, LLC DBA Jimmy's Joint
PO Box 694, Paonia, CO 81428
Email: northforkcurators@gmail.com

Either party may change the address to which notices are to be sent by giving the other party notice of the new address in the manner provided in this paragraph.

XV.3. **Parties Bound.** This agreement shall be binding on, and inure to the benefit of, the parties to the agreement and their respective heirs, executors, administrators, legal representatives, successors, and assigns when permitted by this agreement.

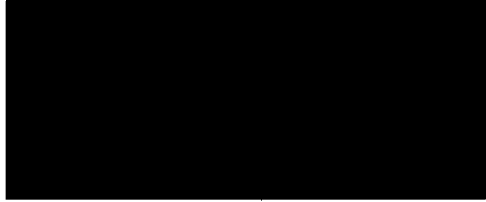
- XV.4. **Law to Apply and Jurisdiction.** This agreement shall be construed under, and in accordance with, the laws of the State of Colorado, and all obligations of the parties created by this agreement are performable in Delta County, State of Colorado. If any controversy arises between the parties, they hereby agree that the courts of competent jurisdiction shall be in Delta County, State of Colorado.
- XV.5. **Legal Construction.** In case any one or more of the provisions contained in this agreement shall for any reason be held to be invalid, illegal, or unenforceable in any respect, such invalidity, illegality, or unenforceability shall not affect any other provision of the agreement, and this agreement shall be construed as if such invalid, illegal, or unenforceable provision had never been included in the agreement.
- XV.6. **Prior Agreements Superseded.** This agreement constitutes the sole and only agreement of the parties to the agreement and supersedes any prior understandings or written or oral agreements between the parties respecting the subject matter of this agreement.
- XV.7. **Amendment.** No amendment, modification, or alteration of the terms of this agreement shall be binding unless the same is in writing, dated subsequent to the date of this agreement, and duly executed by the parties to this agreement.
- XV.8. **Joint and Several Liability.** If there is more than one Lessee, the obligations imposed on Lessees by virtue of this lease shall be joint and several. If there is a guarantor of Lessee's obligations under this lease, the obligations imposed on Lessee shall be the joint and several obligations of Lessee and the guarantor. Lessor need not first proceed against Lessee before proceeding against the guarantor, nor shall any such guarantor be released from its guaranty for any reason whatsoever.
- XV.9. **Attorneys' Fees and Costs.** If, as a result of a breach of this agreement by either party, the other party employs an attorney or attorneys to enforce its rights under this lease, then the breaching or defaulting party agrees to pay the other party the reasonable attorneys' fees and costs incurred to enforce the lease.
- XV.10. **Force Majeure.** Neither Lessor nor Lessee shall be required to perform any term, condition, or covenant in this lease so long as such performance is delayed or prevented by force majeure, which shall mean acts of God, strikes, lockouts, material or labor restrictions by any governmental authority, civil riot, floods, and any other cause not reasonably within the control of Lessor or Lessee and which by the exercise of due diligence Lessor or Lessee is unable, wholly or in part, to prevent or overcome. Notwithstanding the foregoing, "Force Majeure" shall not include any of the following: (i) economic hardship, (ii) changes in market conditions, or (iii) nonperformance or delay by the affected Party, unless such nonperformance or delay is otherwise caused by Force Majeure
- XV.11. **Time of Essence.** Time is of the essence in this lease agreement.

[SIGNATURES APPEAR ON THE FOLLOWING PAGE]

IN WITNESS WHEREOF, Lessor and Lessee have duly executed this lease as of the day and year written below.

POLLINATE PAONIA, LLC, LESSOR

By:



(SEAL
)

Title: Owner, Pollinate Paonia, LLC

Date: October 25, 2023

NORTH FORK CURATORS, LLC, LESSEE



By:

Title: Manager, North Fork Curators, LLC

Date: October 25, 2023

EXHIBIT A. COLORADO COMMERCIAL LEASE.

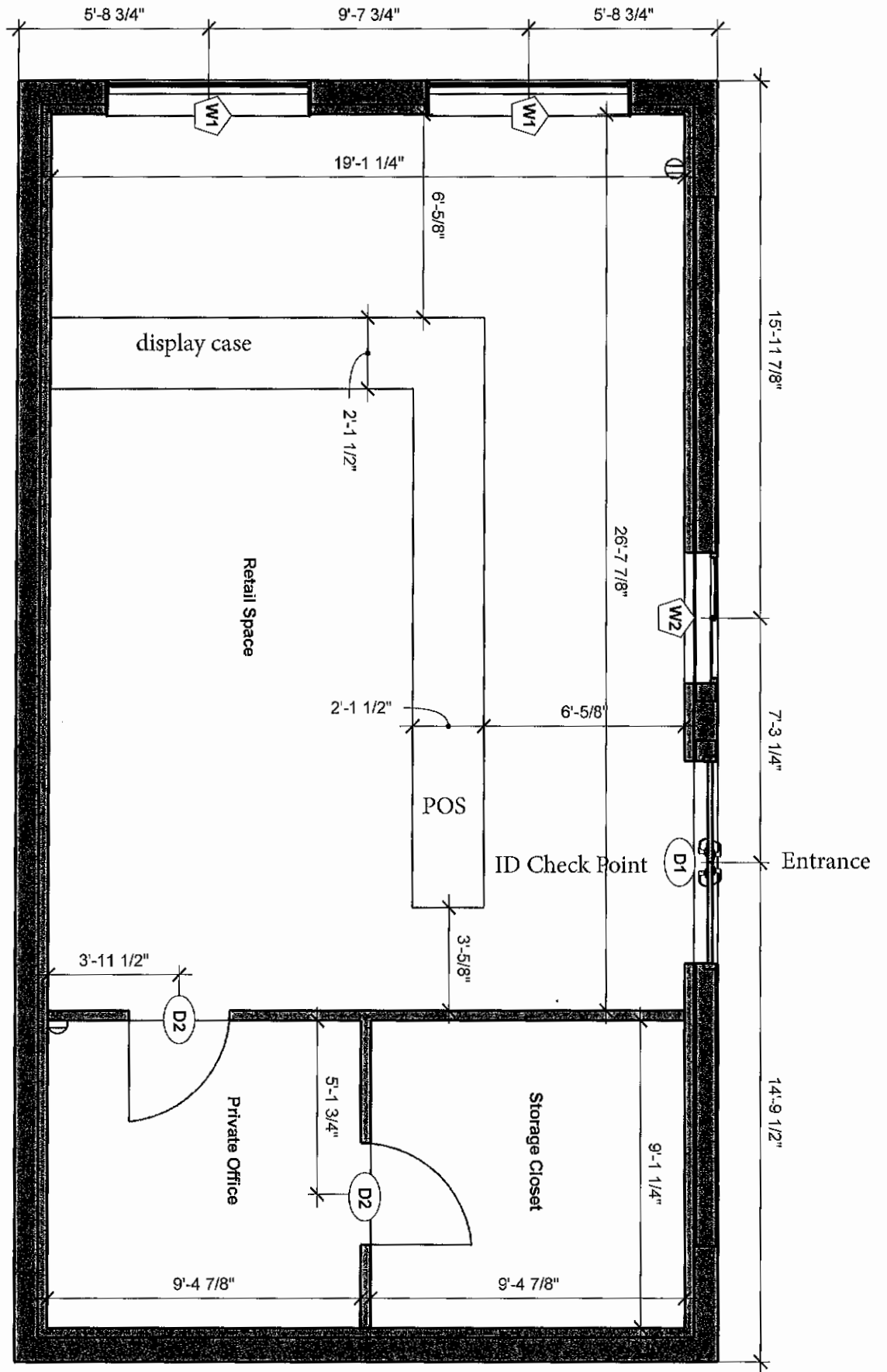
Form of Description of Leased Premises.

- 1. Brick Annex Building: Consisting of APPROX. 700 square feet of usable retail space at 119 Grand Ave, Paonia, CO 81428**

**EXHIBIT B. COLORADO COMMERCIAL OFFICE LEASE.
RULES AND REGULATIONS**

Form of Building Rules and Regulations, which may be modified at any time by Landlord.

1. No pets or animals are allowed to be kept in or about the Premises or in any common areas in the building containing the Premises without the prior written permission of the Landlord. Upon thirty (30) days notice, the Landlord may revoke any consent previously given under this clause.



Floor Plan
1/4" = 1'-0"

MyBizColorado

COLORADO DEPT OF REVENUE

Thank you for registering with the Colorado Department of Revenue!
Your electronic application has been received.
You will receive your Sales Tax License and/or Wage Withholding information in the mail in the next 10 business days.

You may use this receipt as a temporary Sales Tax License in the interim.

Filing Information

Your filing information is as follows

Date: 10/25/23

Name: North Fork Curators, LLC

Address: 119 Grand Ave\n\nPaonia, Colorado 81428-5037

Sales Tax Account Number: 95967125

Sales Tax Filing Frequency: Monthly (\$300 in taxes/month or mo

Wage Withholding Account Number: N/A

Wage Withholding Filing Frequency: N/A

Websites

State of Colorado: www.colorado.gov

Colorado Department of Revenue: www.colorado.gov/revenue

Colorado Department of Revenue Online Customer Support Site:
revenuestateco.custhelp.com

File and pay your sales tax online: www.colorado.gov/RevenueOnline

Register to pay by EFT: www.colorado.gov/revenue/eft

Please wait 2-3 business days while we validate your registration before attempting to access your account in Revenue Online. You will receive your license(s) in the mail within 10 business days. If you do not already have access to Revenue Online, you may use information from that letter to sign-up.

MyBizColorado PDF Receipt

OPERATING AGREEMENT
of
North Fork Curators, LLC.

This Operating Agreement (the "Agreement") made and entered into this 20th day of July, 2023 (the "Execution Date"),

BETWEEN:

Susan A Kaldis of [REDACTED] Paonia, CO 81428, and
Peter D Kaldis of [REDACTED] Houston, TX 77005

(individually the "Member" and collectively the "Members").

BACKGROUND:

- A. The Members wish to associate themselves as members of a limited liability company.
- B. The terms and conditions of this Agreement will govern the Members within the limited liability company.

IN CONSIDERATION OF and as a condition of the Members entering into this Agreement and other valuable consideration, the receipt and sufficiency of which is acknowledged, the Members agree as follows:

Formation

- 1. By this Agreement, the Members form a Limited Liability Company (the "Company") in accordance with the laws of the State of Colorado. The rights and obligations of the Members will be as stated in the Colorado Limited Liability Company Act (the "Act") except as otherwise provided in this agreement.

Name

- 2. The name of the Company will be North Fork Curators, LLC.

Purpose

- 3. The purpose of North Fork Curators, LLC is to own and operate recreational marijuana store(s).

Term

- The Company will continue until terminated as provided in this Agreement or may dissolve under conditions provided in the Act.

Place of Business

- The Principal Office of the Company will be located at 119 Grand Ave, Paonia, Delta County, CO 81428 or such other place as the Members may from time to time designate.

Capital Contributions

- The following is a list of all Members and their Initial Contributions to the Company. Each of the Members agree to make their Initial Contributions to the Company in full, according to the following terms:

Member	Contribution Description	Value of Contribution
Susan A Kaldis	75% of total start-up funds of \$60,000.00	\$45,000.00
Peter D Kaldis	25% of total start-up funds of \$60,000.00	\$15,000.00

Allocation of Profits/Losses

- Subject to the other provisions of this Agreement, the Net Profits or Losses, for accounting purposes, will be allocated between the Members in the following manner:

Member	Profit/Loss Percentage
Susan A Kaldis	75.00%
Peter D Kaldis	25.00%

8. Distributions to Members will be made in the same fixed proportions as the allocation of Net Profits or Losses described above.
9. No Member will have priority over any other Member for the distribution of Net Profits or Losses.

Nature of Interest

10. A Member's Interest in the Company will be considered personal property.

Withdrawal of Contribution

11. No Member will withdraw any portion of their Capital Contribution without the unanimous consent of the other Members.

Liability for Contribution

12. A Member's obligation to make their required Capital Contribution can only be compromised or released with the consent of all remaining Members or as otherwise provided in this Agreement. If a Member does not make the Capital Contribution when it is due, he is obligated at the option of any remaining Members to contribute cash equal to the agreed value of the Capital Contribution. This option is in addition to and not in lieu of any others rights, including the right to specific performance that the Company may have against the Member.

Additional Contributions

13. Capital Contributions may be amended from time to time, according to the business needs of the Company. However, if additional capital is determined to be required and an individual Member is unwilling or unable to meet the additional contribution requirement within a reasonable period, the remaining Members may contribute in proportion to their existing Capital Contributions to resolve the amount in default. In such case, the allocation of Net Profits or Losses and the distribution of assets on dissociation or dissolution will be adjusted accordingly.
14. Any advance of money to the Company by any Member in excess of the amounts provided for in this Agreement or subsequently agreed to, will be deemed a debt due from the Company rather than an increase in the Capital Contribution of the Member. This liability will be repaid with interest at such rates and times to be determined by a majority of the Members. This liability will

not entitle the lending Member to any increased share of the Company's profits nor to a greater voting power. Repayment of such debts will have priority over any other payments to Members.

Capital Accounts

15. An individual capital account (the "Capital Account") will be maintained for each Member and their Initial Contributions will be credited to this account. Any Additional Contributions made by any Member will be credited to that Member's individual Capital Account.

Interest on Capital

16. No borrowing charge or loan interest will be due or payable to any Member on their agreed Capital Contribution inclusive of any agreed Additional Contributions.

Management

17. Management of the Company is vested in the following managers (individually the "Manager" and collectively the "Managers") until such time as they are removed by the Members or withdraw from the position:

- James C Lowe

The duties and responsibilities of the Managers will include the following:

- Duties and responsibilities of our managers include oversight of daily operations, hiring and managing staff, ensuring that proper accounting and taxes are reported, keeping licensing up-to-date, liasan with owners and the public as needed, determine avenues for business growth, stay current with industry standards, and comply with all authorized industry regulations.

18. Decisions of the Managers which will require the prior approval of a majority of the Members include the following:

- Incurring a single transaction expense over \$5,000.00.

19. A new Manager may be added to the Company with a unanimous vote of the Members.

20. A Manager will be reimbursed for expenses directly related to the operation of the Company.

21. The Members will be consulted and the advice and opinions of the Members will be obtained as much as is practicable. However, the Managers will have management and control of the day-to-day business of the Company for the purposes stated in this Agreement. All matters outside the day-to-day business of the Company will be decided by the Members as outlined elsewhere in this Agreement.
22. In addition to day-to-day management tasks and any other duties and responsibilities already identified in this Agreement, the Managers' duties will include keeping, or causing to be kept, full and accurate business records for the Company according to generally accepted accounting principles (GAAP), and overseeing the preparation of any reports considered reasonably necessary to keep the Members informed of the business performance of the Company.
23. A Manager will not be liable to the Members for any action or failure to act resulting in loss or harm to the Company except in the case of gross negligence or willful misconduct.
24. Each Manager will devote such time and attention to the business of the Company as required to carry out their duties and responsibilities for the conduct of the Company's business.

Authority to Bind Company

25. Any Manager or any Member has the authority to bind the Company in contract.

Duty of Loyalty

26. While a person is a Member or Manager of the Company, that person will not carry on, or participate in, a similar business to the business of the Company within any market regions that were established or contemplated by the Company before or during that person's tenure as Member or Manager.

Duty to Devote Time

27. Each Member will devote such time and attention to the business of the Company as the majority of the Members will from time to time reasonably determine for the conduct of the Company's business.

Member Meetings

28. A meeting may be called by any Member providing that reasonable notice has been given to the other Members.

29. Regular meetings of the Members will be held only as required.

Voting

30. Each Member will be entitled to cast votes on any matter based upon the proportion of that Member's Capital Contributions in the Company.

Admission of New Members

31. A new Member may only be admitted to the Company with a unanimous vote of the existing Members.

32. In addition to the required vote of existing Members to admit a new Member, the following conditions must be satisfied:

- Financial contribution as determined by existing Members

The new Member agrees to be bound by all the covenants, terms, and conditions of this Agreement, inclusive of all current and future amendments. Further, a new Member will execute such documents as are needed to affect the admission of the new Member. Any new Member will receive such business interest in the Company as determined by a unanimous decision of the other Members.

Voluntary Withdrawal of a Member

34. No Member may voluntarily withdraw from the Company for a period of one year from the execution date of this Agreement. Any such unauthorized withdrawal prior to the expiration of this period will be considered a wrongful dissociation and a breach of this Agreement. In the event of any such wrongful dissociation, the withdrawing Member will be liable to the remaining Members for any damages incurred by the remaining Members including but not limited to the loss of future earnings. After the expiration of this period, any Member will have the right to voluntarily withdraw from the Company. Written notice of intention to withdraw must be served upon the remaining Members at least one month prior to withdrawal.

35. The voluntary withdrawal of a Member will have no effect upon the continuance of the Company.

36. It remains incumbent on the withdrawing Member to exercise this dissociation in good faith and to minimize any present or future harm done to the remaining Members as a result of the withdrawal.

Involuntary Withdrawal of a Member

37. Events leading to the involuntary withdrawal of a Member from the Company will include but not be limited to: death of a Member; Member mental incapacity; Member disability preventing reasonable participation in the Company; Member incompetence; breach of fiduciary duties by a Member; criminal conviction of a Member; Operation of Law against a Member or a legal judgment against a Member that can reasonably be expected to bring the business or societal reputation of the Company into disrepute. Expulsion of a Member can also occur on application by the Company or another Member, where it has been judicially determined that the Member: has engaged in wrongful conduct that adversely and materially affected the Company's business; has willfully or persistently committed a material breach of this Agreement or of a duty owed to the Company or to the other Members; or has engaged in conduct relating to the Company's business that makes it not reasonably practicable to carry on the business with the Member.
38. The involuntary withdrawal of a Member will have no effect upon the continuance of the Company.

Dissociation of a Member

39. In the event of either a voluntary or involuntary withdrawal of a Member, if the remaining Members elect to purchase the interest of the withdrawing Member, the remaining Members will serve written notice of such election, including the purchase price and method and schedule of payment for the withdrawing Member's Interests, upon the withdrawing Member, their executor, administrator, trustee, committee or analogous fiduciary within a reasonable period after acquiring knowledge of the change in circumstance to the affected Member. The purchase amount of any buyout of a Member's Interests will be determined as set out in the Valuation of Interest section of this Agreement.
40. Valuation and distribution will be determined as described in the Valuation of Interest section of this Agreement.
41. The remaining Members retain the right to seek damages from a dissociated Member where the dissociation resulted from a malicious or criminal act by the dissociated Member or where the dissociated Member had breached their fiduciary duty to the Company or was in breach of this Agreement or had acted in a way that could reasonably be foreseen to bring harm or damage to the Company or to the reputation of the Company.

42. A dissociated Member will only have liability for Company obligations that were incurred during their time as a Member. On dissociation of a Member, the Company will prepare, file, serve, and publish all notices required by law to protect the dissociated Member from liability for future Company obligations.
43. Where the remaining Members have purchased the interest of a dissociated Member, the purchase amount will be paid in full, but without interest, within 90 days of the date of withdrawal. The Company will retain exclusive rights to use of the trade name and firm name and all related brand and model names of the Company.

Right of First Purchase

44. In the event that a Member's Interest in the Company is or will be sold, due to any reason, the remaining Members will have a right of first purchase of that Member's Interest. The value of that interest in the Company will be the lower of the value set out in the Valuation of Interest section of this Agreement and any third party offer that the Member wishes to accept.

Assignment of Interest

45. A Member's financial interest in the Company can only be assigned to another Member and cannot be assigned to a third party except with the unanimous consent of the remaining Members.
46. In the event that a Member's interest in the company is transferred or assigned as the result of a court order or Operation of Law, the trustee in bankruptcy or other person acquiring that Member's Interests in the Company will only acquire that Member's economic rights and interests and will not acquire any other rights of that Member or be admitted as a Member of the Company or have the right to exercise any management or voting interests.

Valuation of Interest

47. In the event of a dissociation or the dissolution of the Company, each Member's financial interest in the Company will be in proportion to the following schedule:

Member	Dissolution Distribution Percent
Susan A Kaldis	75%
Peter D Kaldis	25%

48. In the absence of a written agreement setting a value, the value of the Company will be based on the fair market value appraisal of all Company assets (less liabilities) determined in accordance with generally accepted accounting principles (GAAP). This appraisal will be conducted by an independent accounting firm agreed to by all Members. An appraiser will be appointed within a reasonable period of the date of withdrawal or dissolution. The results of the appraisal will be binding on all Members. The intent of this section is to ensure the survival of the Company despite the withdrawal of any individual Member.
49. No allowance will be made for goodwill, trade name, patents or other intangible assets, except where those assets have been reflected on the Company books immediately prior to valuation.

Dissolution

50. The Company may be dissolved by a unanimous vote of the Members. The Company will also be dissolved on the occurrence of events specified in the Act.
51. Upon Dissolution of the Company and liquidation of Company property, and after payment of all selling costs and expenses, the liquidator will distribute the Company assets to the following groups according to the following order of priority:
- a. in satisfaction of liabilities to creditors except Company obligations to current Members;
 - b. in satisfaction of Company debt obligations to current Members; and then
 - c. to the Members based on Member financial interest, as set out in the Valuation of Interest section of this Agreement.

Records

52. The Company will at all times maintain accurate records of the following:
- a. Information regarding the status of the business and the financial condition of the Company.

- b. A copy of the Company federal, state, and local income taxes for each year, promptly after becoming available.
 - c. Name and last known business, residential, or mailing address of each Member and Manager, as well as the date that person became a Member or Manager.
 - d. A copy of this Agreement and any articles or certificate of formation, as well as all amendments, together with any executed copies of any written powers of attorney pursuant to which this Agreement, articles or certificate, and any amendments have been executed.
 - e. The cash, property, and services contributed to the Company by each Member, along with a description and value, and any contributions that have been agreed to be made in the future.
53. Each Member has the right to demand, within a reasonable period of time, a copy of any of the above documents for any purpose reasonably related to their interest as a Member of the Company, at their expense.
54. Each Manager has the right to examine the above documents for any purpose reasonably related to their position as Manager of the Company.

Books of Account

55. Accurate and complete books of account of the transactions of the Company will be kept in accordance with generally accepted accounting principles (GAAP) and at all reasonable times will be available and open to inspection and examination by any Member. The books and records of the Company will reflect all the Company's transactions and will be appropriate and adequate for the business conducted by the Company.

Banking and Company Funds

56. The funds of the Company will be placed in such investments and banking accounts as will be designated by the Members. All withdrawals from these accounts will be made by the duly authorized agent or agents of the Company as appointed by unanimous consent of the Members. Company funds will be held in the name of the Company and will not be commingled with those of any other person or entity.

Audit

57. Any of the Members will have the right to request an audit of the Company books. The cost of the audit will be borne by the Company. The audit will be performed by an accounting firm acceptable to all the Members. Not more than one (1) audit will be required by any or all of the Members for any fiscal year.

Tax Treatment

58. This Company is intended to be treated as a corporation, for the purposes of Federal and State Income Tax.

Annual Report

59. As soon as practicable after the close of each fiscal year, the Company will furnish to each Member an annual report showing a full and complete account of the condition of the Company including all information as will be necessary for the preparation of each Member's income or other tax returns. This report will consist of at least:

- a. A copy of the Company's federal income tax returns for that fiscal year.
- b. Income statement.
- c. Balance sheet.
- d. Cash flow statement.
- e. A breakdown of the profit and loss attributable to each Member.

Goodwill

60. The goodwill of the Company will be assessed at an amount to be determined by appraisal using generally accepted accounting principles (GAAP).

Governing Law

61. The Members submit to the jurisdiction of the courts of the State of Colorado for the enforcement of this Agreement or any arbitration award or decision arising from this Agreement.

Force Majeure

62. A Member will be free of liability to the Company where the Member is prevented from executing their obligations under this Agreement in whole or in part due to force majeure, such as earthquake, typhoon, flood, fire, and war or any other unforeseen and uncontrollable event where the Member has communicated the circumstance of the event to any and all other Members and where the Member has taken any and all appropriate action to satisfy his duties and obligations to the Company and to mitigate the effects of the event.

Forbidden Acts

63. No Member may do any act in contravention of this Agreement.
64. No Member may permit, intentionally or unintentionally, the assignment of express, implied or apparent authority to a third party that is not a Member of the Company.
65. No Member may do any act that would make it impossible to carry on the ordinary business of the Company.
66. No Member will have the right or authority to bind or obligate the Company to any extent with regard to any matter outside the intended purpose of the Company.
67. No Member may confess a judgment against the Company.
68. Any violation of the above forbidden acts will be deemed an Involuntary Withdrawal and may be treated accordingly by the remaining Members.

Indemnification

69. All Members will be indemnified and held harmless by the Company from and against any and all claims of any nature, whatsoever, arising out of a Member's participation in Company affairs. A Member will not be entitled to indemnification under this section for liability arising out of gross negligence or willful misconduct of the Member or the breach by the Member of any provisions of this Agreement.

Liability

70. A Member or any employee will not be liable to the Company or to any other Member for any mistake or error in judgment or for any act or omission believed in good faith to be within the scope of authority conferred or implied by this Agreement or the Company. The Member or

employee will be liable only for any and all acts and omissions involving intentional wrongdoing.

Liability Insurance

71. The Company may acquire insurance on behalf of any Member, employee, agent or other person engaged in the business interest of the Company against any liability asserted against them or incurred by them while acting in good faith on behalf of the Company.

Life Insurance

72. The Company will have the right to acquire life insurance on the lives of any or all of the Members, whenever it is deemed necessary by the Company. Each Member will cooperate fully with the Company in obtaining any such policies of life insurance.

Actions Requiring Unanimous Consent

73. The following actions will require the unanimous consent of all Members:
- a. Incurring Company liabilities over \$10,000.00.
 - b. Incurring a single transaction expense over \$10,000.00.
 - c. Endangering the ownership or possession of Company property including selling, transferring or loaning any Company property or using any Company property as collateral for a loan.
 - d. Releasing any Company claim except for payment in full.

Amendment of this Agreement

74. No amendment or modification of this Agreement will be valid or effective unless in writing and signed by all Members.

Title to Company Property

75. Title to all Company property will remain in the name of the Company. No Member or group of Members will have any ownership interest in Company property in whole or in part.

Miscellaneous

76. Time is of the essence in this Agreement.
77. This Agreement may be executed in counterparts.
78. Headings are inserted for the convenience of the Members only and are not to be considered when interpreting this Agreement. Words in the singular mean and include the plural and vice versa. Words in the masculine gender include the feminine gender and vice versa. Words in a neutral gender include the masculine gender and the feminine gender and vice versa.
79. If any term, covenant, condition or provision of this Agreement is held by a court of competent jurisdiction to be invalid, void or unenforceable, it is the Members' intent that such provision be reduced in scope by the court only to the extent deemed necessary by that court to render the provision reasonable and enforceable and the remainder of the provisions of this Agreement will in no way be affected, impaired or invalidated as a result.
80. This Agreement contains the entire agreement between the Members. All negotiations and understandings have been included in this Agreement. Statements or representations that may have been made by any Member during the negotiation stages of this Agreement, may in some way be inconsistent with this final written Agreement. All such statements have no force or effect in respect to this Agreement. Only the written terms of this Agreement will bind the Members.
81. This Agreement and the terms and conditions contained in this Agreement apply to and are binding upon each Member's successors, assigns, executors, administrators, beneficiaries, and representatives.
82. Any notices or delivery required here will be deemed completed when hand-delivered, delivered by agent, or seven (7) days after being placed in the post, postage prepaid, to the Members at the addresses contained in this Agreement or as the Members may later designate in writing.
83. All of the rights, remedies and benefits provided by this Agreement will be cumulative and will not be exclusive of any other such rights, remedies and benefits allowed by law.

Definitions

84. For the purpose of this Agreement, the following terms are defined as follows:


- a. "Additional Contribution" means Capital Contributions, other than Initial Contributions, made by Members to the Company.

- b. "Capital Contribution" means the total amount of cash, property, or services contributed to the Company by any one Member.
- c. "Distributions" means a payment of Company profits to the Members.
- d. "Initial Contribution" means the initial Capital Contributions made by any Member to acquire an interest in the Company.
- e. "Member's Interests" means the Member's collective rights, including but not limited to, the Member's right to share in profits, Member's right to a share of Company assets on dissolution of the Company, Member's voting rights, and Member's rights to participate in the management of the Company.
- f. "Net Profits or Losses" means the net profits or losses of the Company as determined by generally accepted accounting principles (GAAP).
- g. "Operation of Law" means rights or duties that are cast upon a party by the law, without any act or agreement on the part of the individual, including, but not limited to, an assignment for the benefit of creditors, a divorce, or a bankruptcy.
- h. "Principal Office" means the office whether inside or outside the State of Colorado where the executive or management of the Company maintain their primary office.
- i. "Voting Members" means the Members who belong to a membership class that has voting power. Where there is only one class of Members, then those Members constitute the Voting Members.

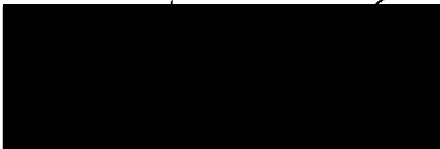
IN WITNESS WHEREOF the Members have duly affixed their signatures under hand and seal on this 20th day of July, 2023.

SIGNED, SEALED, AND DELIVERED

in the presence of:

Witness:  (Sign)

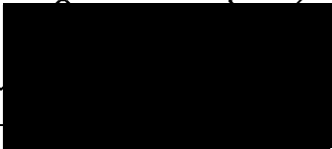
Witness Name: James C Lowe, Manager



Susan A Kaldis (Member)

SIGNED, SEALED, AND DELIVERED

in the presence of:

Witness:  (Sign)

Witness Name: James C Lowe, Manager



Peter D Kaldis (Member)

OFFICE OF THE SECRETARY OF STATE
OF THE STATE OF COLORADO

CERTIFICATE OF FACT OF GOOD STANDING

I, Jena Griswold, as the Secretary of State of the State of Colorado, hereby certify that, according to the records of this office,

North Fork Curators, LLC

is a

Limited Liability Company

formed or registered on 07/15/2023 under the law of Colorado, has complied with all applicable requirements of this office, and is in good standing with this office. This entity has been assigned entity identification number 20231733538 .

This certificate reflects facts established or disclosed by documents delivered to this office on paper through 10/23/2023 that have been posted, and by documents delivered to this office electronically through 10/24/2023 @ 14:02:18 .

I have affixed hereto the Great Seal of the State of Colorado and duly generated, executed, and issued this official certificate at Denver, Colorado on 10/24/2023 @ 14:02:18 in accordance with applicable law. This certificate is assigned Confirmation Number 15429002 .



Jena Griswold

Secretary of State of the State of Colorado

*****End of Certificate*****
Notice: A certificate issued electronically from the Colorado Secretary of State's website is fully and immediately valid and effective. However, as an option, the issuance and validity of a certificate obtained electronically may be established by visiting the Validate a Certificate page of the Secretary of State's website, <https://www.coloradosos.gov/biz/CertificateSearchCriteria.do> entering the certificate's confirmation number displayed on the certificate, and following the instructions displayed. Confirming the issuance of a certificate is merely optional and is not necessary to the valid and effective issuance of a certificate. For more information, visit our website, <https://www.coloradosos.gov> click "Businesses, trademarks, trade names" and select "Frequently Asked Questions."

OFFICE OF THE SECRETARY OF STATE
OF THE STATE OF COLORADO

CERTIFICATE OF FACT OF TRADE NAME

I, Jena Griswold, as the Secretary of State of the State of Colorado, hereby certify that, according to the records of this office, a Statement of Trade Name for:

Jimmy's Joint

(Entity ID # 20238127712)

was filed in this office on 10/24/2023 with an effective date of 10/24/2023 .

This certificate reflects facts established or disclosed by documents delivered to this office on paper through 10/23/2023 that have been posted, and by documents delivered to this office electronically through 10/24/2023 @ 14:01:18 .

I have affixed hereto the Great Seal of the State of Colorado and duly generated, executed, and issued this official certificate at Denver, Colorado on 10/24/2023 @ 14:01:18 in accordance with applicable law. This certificate is assigned Confirmation Number 15428997 .



Jena Griswold

Secretary of State of the State of Colorado

*****End of Certificate*****

Notice: A certificate issued electronically from the Colorado Secretary of State's website is fully and immediately valid and effective. However, as an option, the issuance and validity of a certificate obtained electronically may be established by visiting the Validate a Certificate page of the Secretary of State's website, <https://www.coloradosos.gov/biz/CertificateSearchCriteria.do> entering the certificate's confirmation number displayed on the certificate, and following the instructions displayed. Confirming the issuance of a certificate is merely optional and is not necessary to the valid and effective issuance of a certificate. For more information, visit our website, <https://www.coloradosos.gov> click "Businesses, trademarks, trade names" and select "Frequently Asked Questions."



COLORADO
Department of Revenue
Marijuana Enforcement Division

1697 Cole Blvd., Suite 200
Lakewood, CO 80401

October 10, 2023

Susan Alexandra Kaldis

[REDACTED]
Paonia, CO 81428

License Type: Owner- Individual
License # M155815

Dear Susan Alexandra Kaldis,

The purpose of this correspondence is to inform you that on October 10, 2023 you were found suitable as an Owner-Individual to be a Controlling Beneficial Owner in any business licensed by the Marijuana Enforcement Division (MED). You are now eligible to apply for an ownership interest or a position of control in a Colorado marijuana establishment.

To join the ownership of an existing Colorado Regulated Marijuana Business, the owner(s) of the existing establishment/business are required to submit this letter of suitability, a Regulated Marijuana Business License Change of Controlling Beneficial Owner application, supporting documents and applicable fees to the MED for approval. If you wish to open and operate a new Colorado Regulated Marijuana Business, you must submit a complete Regulated Marijuana Business License application, accompanied with all applicable fees and all supporting documents, along with this letter of suitability. To assume a position as an Executive officer or Member of a Board of Directors that control a Regulated Marijuana Business, the business must submit a Changes Exempt from a Change of Owner Application Disclosure accompanied with all applicable fees and supporting documents.

Pursuant to Rule 2-235 - Suitability (H), this Finding of Suitability is valid for one year. If more than 365 days passes from the issuance of this Finding of Suitability and you have not applied to become a Controlling Beneficial Owner (including as an Executive Officer or Board of Director member) of a Regulated Marijuana Business pursuant to (1) an initial business license application or (2) a change of owner application, this initial Finding of Suitability will automatically expire without notification.

Sincerely,

Dominique Mendiola
Senior Director



COLORADO
Department of Revenue
Marijuana Enforcement Division

1697 Cole Blvd., Suite 200
Lakewood, CO 80401

October 10, 2023

Peter Denton Kaldis
[REDACTED]

West University Place, TX 77005

License Type: Owner- Individual
License # M155816

Dear Peter Denton Kaldis,

The purpose of this correspondence is to inform you that on October 10, 2023 you were found suitable as an Owner-Individual to be a Controlling Beneficial Owner in any business licensed by the Marijuana Enforcement Division (MED). You are now eligible to apply for an ownership interest or a position of control in a Colorado marijuana establishment.

To join the ownership of an existing Colorado Regulated Marijuana Business, the owner(s) of the existing establishment/business are required to submit this letter of suitability, a Regulated Marijuana Business License Change of Controlling Beneficial Owner application, supporting documents and applicable fees to the MED for approval. If you wish to open and operate a new Colorado Regulated Marijuana Business, you must submit a complete Regulated Marijuana Business License application, accompanied with all applicable fees and all supporting documents, along with this letter of suitability. To assume a position as an Executive officer or Member of a Board of Directors that control a Regulated Marijuana Business, the business must submit a Changes Exempt from a Change of Owner Application Disclosure accompanied with all applicable fees and supporting documents.

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Sincerely,

Dominique Mendiola
Senior Director

Date of this notice: 07-20-2023

Employer Identification Number:
93-2486153

Form: SS-4

Number of this notice: CP 575 A

For assistance you may call us at:
1-800-829-4933

NORTH FORK CURATORS LLC
SUSAN A KALDIS MBR
PO BOX 694
PAONIA, CO 81428

IF YOU WRITE, ATTACH THE
STUB AT THE END OF THIS NOTICE.

WE ASSIGNED YOU AN EMPLOYER IDENTIFICATION NUMBER

Thank you for applying for an Employer Identification Number (EIN). We assigned you EIN 93-2486153. This EIN will identify you, your business accounts, tax returns, and documents, even if you have no employees. Please keep this notice in your permanent records.

Taxpayers request an EIN for their business. Some taxpayers receive CP575 notices when another person has stolen their identity and are opening a business using their information. If you did **not** apply for this EIN, please contact us at the phone number or address listed on the top of this notice.

When filing tax documents, making payments, or replying to any related correspondence, it is very important that you use your EIN and complete name and address exactly as shown above. Any variation may cause a delay in processing, result in incorrect information in your account, or even cause you to be assigned more than one EIN. If the information is not correct as shown above, please make the correction using the attached tear-off stub and return it to us.

Based on the information received from you or your representative, you must file the following forms by the dates shown.

Form 941	01/31/2024
Form 940	01/31/2024
Form 1065	03/15/2024

If you have questions about the forms or the due dates shown, you can call us at the phone number or write to us at the address shown at the top of this notice. If you need help in determining your annual accounting period (tax year), see Publication 538, *Accounting Periods and Methods*.

We assigned you a tax classification (corporation, partnership, etc.) based on information obtained from you or your representative. It is not a legal determination of your tax classification, and is not binding on the IRS. If you want a legal determination of your tax classification, you may request a private letter ruling from the IRS under the guidelines in Revenue Procedure 2020-1, 2020-1 I.R.B. 1 (or superseding Revenue Procedure for the year at issue). Note: Certain tax classification elections can be requested by filing Form 8832, *Entity Classification Election*. See Form 8832 and its instructions for additional information.

IMPORTANT INFORMATION FOR S CORPORATION ELECTION:

If you intend to elect to file your return as a small business corporation, an election to file a Form 1120-S, U.S. Income Tax Return for an S Corporation, must be made within certain timeframes and the corporation must meet certain tests. All of this information is included in the instructions for Form 2553, Election by a Small Business Corporation.

AFFIDAVIT OF PUBLICATION

State of Texas, County of Ellis, ss:

Jesse Sassaman, being first duly sworn, deposes and says: That (s)he is a duly authorized signatory of Column Software, PBC, duly authorized agent of Delta County Independent, a newspaper printed and published in the City of Delta, County of Delta, State of Colorado, and that this affidavit is Page 1 of 1 with the full text of the sworn-to notice set forth on the pages that follow, and the hereto attached:

PUBLICATION DATES:

Nov. 22, 2023

Nov. 29, 2023

Dec. 6, 2023

NOTICE ID: d1nTDogn6PseyGlt0PUQ

PUBLISHER ID: DCI000139

NOTICE NAME: Public Hearing Retail Marijuana License 12/12

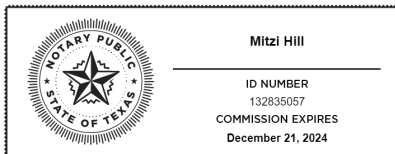
Publication Fee: 46.05

I declare under penalty of perjury under the law of Colorado that the foregoing is true and correct.

Jesse Sassaman
(Signed) _____

VERIFICATION

State of Texas
County of Ellis



12/06/2023

Subscribed in my presence and sworn to before me on this:

Mitzi Hill

Notary Public
Notarized online using audio-video communication

**NOTICE OF PUBLIC HEARING
TOWN OF PAONIA, COLORADO**

NOTICE is hereby given that the Town of Paonia Board of Trustees will hold a Public Hearing at 6:30 pm on Tuesday, December, 12, 2023, at the Paonia Town Hall, 214 Grand Avenue, Paonia, CO 81428.

The purpose of the Public Hearing will be to consider granting a Retail Marijuana License to North Fork Curators, LLC DBA Jimmy's Joint. The petitioners, Susan and Peter Kaldis, have applied for a Retail Marijuana License to open a Retail Marijuana store located at 119 Grand Avenue, Paonia, CO 81428.

Any person may appear at the Public Hearing and be heard regarding the matters under consideration. For further information concerning the Public Hearing, please contact the Town Clerk at 970-527-4101 during regular business hours.

Dated the 24th day of November 2023.

TOWN OF PAONIA, COLORADO

Samira M Vetter Town Clerk

Published Wednesday, November 22, 29, December 6, 2023

Re: Notice Poster Reminder

Samira V <SamiraV@townofpaonia.com>

Wed 11/22/2023 6:12 PM

To: Susie Kaldis Lowe <susiekaldis@gmail.com>

Perfect, thank you!

Sent from my T-Mobile 5G Device

Get [Outlook for Android](#)

From: Susie Kaldis Lowe <susiekaldis@gmail.com>

Sent: Wednesday, November 22, 2023 2:58:40 PM

To: Samira V <SamiraV@townofpaonia.com>

Subject: Re: Notice Poster Reminder

Happy Thanksgiving!

I put the notice up on Saturday. Here's a pic.



Town of Paonia Notice of Public Hearing

NOTICE is hereby given that the Town of Paonia Board of Trustees will hold a Public Hearing at 6:30 pm on Tuesday December 12, 2023, at the Paonia Town Hall, 214 Grand Avenue, Paonia, CO 81428.

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Any person may appear at the Public Hearing and be heard regarding the matters under consideration. For further information concerning the Public Hearing, please contact the Town Clerk at 970-527-4101 during regular business hours.

Dated the 22nd day of November, 2023.

TOWN OF PAONIA, COLORADO

Posted on: November 22, 2023

214 Grand Avenue | Paonia, CO 81428 | (970) 527-4101 | FAX (970) 527-4102

Susie

Susie Kaldis Lowe
susiekaldis@gmail.com
970-275-3453
Paonia, CO

On Nov 22, 2023, at 1:52 PM, Samira V <SamiraV@townofpaonia.com> wrote:

Just a friendly reminder to get your notice poster up today and send me a picture!

Have a Happy Thanksgiving!

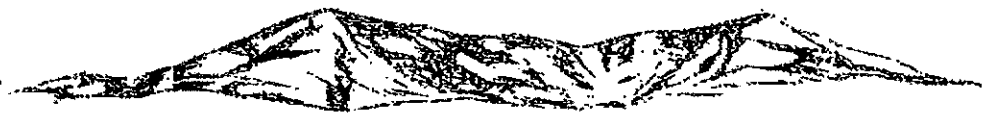
Sam

Samira M Vetter

Town Clerk
Town of Paonia
(970) 527-4101 Ext 2010
Townofpaonia.colorado.gov

"The more man meditates upon good thoughts, the better will be his world and the world at large." ~ Confucious

Sender and receiver should be mindful that all my incoming and outgoing emails may be subject to the Colorado Open Records Act, § 24-72-100.1, et seq.



Wednesday, January 11, 2023

Doug Vilsack, State Director
Bureau of Land Management
Colorado State Office
2850 Youngfield Street
Lakewood, Colorado 80215
Via email: blm_co_statedirector@blm.gov & BLM_CO_Thompson_Divide@blm.gov

Dear Mr. Vilsack,

We are writing to express our strong support for the proposed Administrative Mineral Withdrawal for the Thompson Divide. It would provide meaningful protection for revered public lands on the White River and Gunnison National Forests, essential public lands to the Town of Paonia.

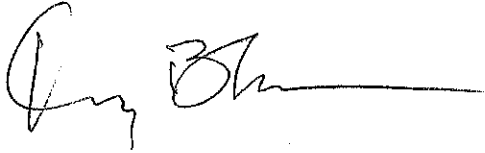
The Thompson Divide occupies nearly 225,000 acres of prime, mostly roadless, wildlife habitat, including a dozen watersheds that provide clean water to domestic and agricultural users in Western Colorado. The Divide is relied upon by local grazers for summer range and it is important for sportsmen and recreationists. Existing values in the area support hundreds of jobs and contribute tens of millions annually to local communities, including Paonia. The public lands in the Thompson Divide support our communities' quality of life and support our sustainable outdoor recreation-driven economies.

The Town of Paonia have long been proponents of protecting the Thompson Divide and have supported legislation like the Thompson Divide Withdrawal and Protection Act and the Colorado Outdoor Recreation and Economy Act, which would permanently protect these lands from oil and gas development. We can think of no reason why this area shouldn't be withdrawn from new oil and gas leasing and mining for the next 20 years under the Federal Lands Policy and Management Act (FLPMA) until a permanent legislative solution is passed in Congress.

Millions of people visit the Western Slope of Colorado each year, and our federal public lands contribute immeasurably to our economy and way of life, but we must have the vision to protect these landscapes and conserve wildlife habitat. We believe this administrative withdrawal will provide important interim protections for this critical area and urge the Departments of the Interior and Agriculture to proceed quickly and for this process to remain a priority.

Town of Paonia

Thank you for your consideration of this issue.



Town of Paonia Town Council

CC: Secretary of Agriculture Tom Vilsack
Secretary of the Interior Deb Haaland
Senator Michael Bennet
Senator John Hickenlooper
Congressman Joe Neguse
Governor Jared Polis

Protecting the Thompson Divide with an Administrative Mineral Withdrawal

Filled with awe-inspiring natural beauty and abundant wildlife, the Thompson Divide is beloved by locals, who have been fighting for its protection for over a decade. It embodies the rural and wild character of western Colorado and encompasses more than a dozen inventoried roadless areas but is threatened with potential oil and gas development and a lack of permanent protection.



What and where is the Thompson Divide?

A spectacular landscape of 225,000 acres of public land in western Colorado, the Divide stretches west from Carbondale and south from Glenwood Springs (the Roaring Fork Valley) into the North Fork Valley east of Paonia, continuing south over Kebler Pass towards Crested Butte. Within the **White River and Gunnison National Forests**, the wild forests of the Thompson Divide comprise mid-elevation, high-value habitat and wildlife migration corridors.

Why is the Divide special?

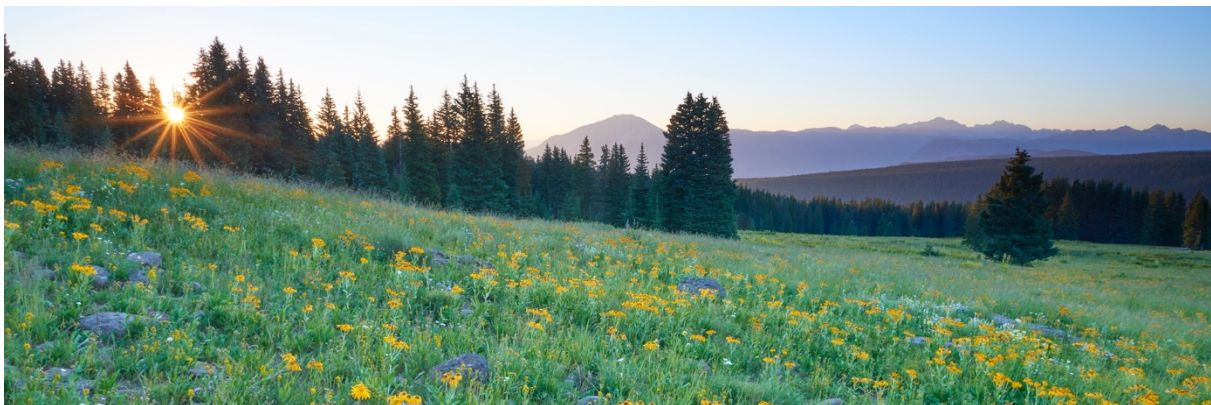
The Thompson Divide provides outstanding opportunities for hiking, hunting, fishing, skiing, and a myriad of recreation activities. Grazed by ranchers for more than a century, the Divide is one of the last bastions of traditional ranching culture in western Colorado and provides summer range to some of the oldest ranching operations in the area. Livestock operations rely on federal grazing allotments in the Divide, preserving thousands of acres of increasingly scarce winter range for deer and elk.

In addition to hunting units that generate over 20,000 big-game licenses each year, the Divide provides important recreation opportunities for climbers, bikers, equestrians, and hikers. It supports more than 300 jobs and generates more than \$30 million each year in economic benefits to the local economy.

Why is it threatened? And what can be done?

A diverse and bipartisan coalition of local governments, ranchers, recreationists, business owners, and community members are united around a permanent mineral withdrawal. We are energized about the current administrative withdrawal proposal, which would provide 20 years of protection while the Colorado Outdoor Recreation and Economy (CORE) Act makes its way through Congress.

Please ask the federal agencies (the BLM and USFS) to move quickly and make the proposed Administrative Mineral Withdrawal a top priority. Our local community and people across the country are Unified for the Thompson Divide!



Fighting for the Thompson Divide

- Early 2000s About 70 oil and gas leases are issued throughout the Divide and dozens more in neighboring roadless areas. Local governments raise claims about their legality.

- 2009 The **Thompson Divide Coalition (TDC)** - comprised of cowboys and conservationists who joined together to eliminate the threat of oil and gas development - goes public.

- 2013 Senator Michael Bennet introduced the **Thompson Divide Withdrawal and Protection Act**. It is now part of the Colorado Outdoor Recreation and Economy (CORE) Act.

- 2015 With overwhelming community support, the **White River National Forest closes tens of thousands of acres** in the Divide to new leasing.

- 2016 The BLM cancels dozens of leases that were issued illegally within the Divide.

- 2019 **CORE Act** introduced; it has passed the House of Representatives 5 times and had a June 2022 hearing in the Senate Energy and Natural Resources Committee.

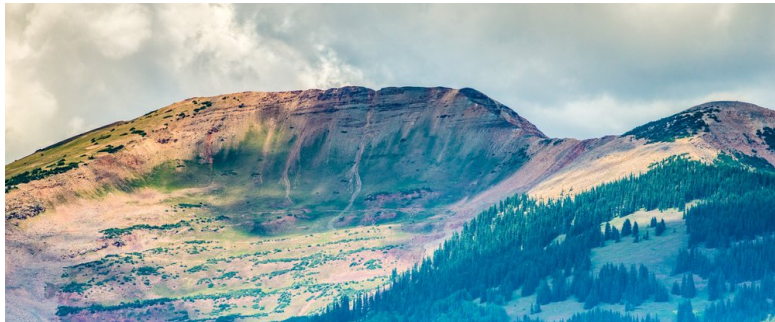
- Oct. 2022 President Biden announces process for **Thompson Divide Administrative Withdrawal**.

- Jan. 2023 The **BLM Comment Period** closes; tens of thousands have submitted supportive comments.

- Today** Local communities are Unified for Thompson Divide and stand ready to assist in whatever way possible with a USFS-lead NEPA Process culminating in an administrative mineral withdrawal.

- Oct. 2024 The **Thompson Divide Administrative Withdrawal** is finalized. This gives Congress time to pass legislation permanently protecting the Divide.

Save Red Lady (Mt. Emmons)!



Included within the proposed Thompson Divide Administrative Mineral Withdrawal is the area surrounding Mt. Emmons, known locally as Red Lady. Rising from the western edge of Crested Butte’s scenic National Historic District, it is a favorite of skiers and recreationists. Over the past 46 years, Red Lady has been the target of large-scale molybdenum mining proposals – all of which High Country Conservation Advocates (HCCA) has successfully led the community’s fight to defeat. **After decades of opposition, local government has reached an agreement with the Mt. Emmons Mining Company (MEMC) to end the possibility of mining on Mt. Emmons forever.**

MEMC owns private lands and the molybdenum ore body on Mt. Emmons, as well as over 1,300 mining claims. In August 2022, MEMC and the Crested Butte Land Trust agreed to draft conservation easement language that would prohibit mining and development on MEMC’s currently held private lands and lands proposed as part of the Mt. Emmons Land Exchange. This Land Exchange process is currently underway and will hopefully be complete by Sept. 2023. MEMC has also agreed to relinquish its claims within the proposed Thompson Divide Withdrawal area once the land exchange process is complete. Both efforts are widely supported in the community and by the Town of Crested Butte, the Town of Mt. Crested Butte, Gunnison County, and many others.

November 10th, 2023

Enterprise Zone Administrator Region 10
145 S. Cascade
Montrose, CO
81401

To Whom it May Concern:

This letter is written in support of Solar Energy International's application for designation as an Enterprise Zone Contribution Project. As Paonia Town Administrators, we are well aware of the asset SEI is to this town, county and area. They've created trades-training opportunities for citizens and students within Delta County, which speaks to their desire to be a positive economic contributor to our region. In addition, their curriculum development and ongoing investment in Solar in the Schools has provided local high school students within Region 10 access to early career trades training in the solar industry.

We are proud to have Solar Energy International here, and know that over 1,000 students from around the world attend classes at their Paonia campus each year, bringing not only cultural infusion to our rural town, but that these folks also pay rent, recreate, dine out, and otherwise open their pockets and their minds within the community. We support SEI for EZ Contribution Tax Credit, and wish them every success in their expansion, both at home and abroad.

Sincerely,



**TOWN OF PAONIA
BOARD OF TRUSTEES MEETING
STAFF REPORT**

AGENDA ITEM:	Agenda Item #4 - Consideration of Approval of Budget Amendment for FY-2023
SUBMITTED BY:	Stefen Wynn, Town Administrator
DATE:	12/8/2023
BACKGROUND:	<p>In order to prepare for the end of the fiscal year and be ready for the FY-2023 Audit, a Budget Amendment is required before December 31, 2023. It is anticipated that two funds, the General Fund (GF) and the Wastewater/Sewer (WW/S) Fund will require budget amendments. Budgeted Expenditures in the GF are: \$1,752,683.11 and the actual (as of 12/8/2023) expenditures are: \$1,630,985.53; however, the Budgeted GF Revenues are: \$2,035,213 and the actual Revenue is: \$1,503,911.84 making a deficit of Revenue to Expenditures of (\$127,073.69). It is anticipated that to end the fiscal year with more revenue to expenditures, \$200,000 is needed from unappropriated and unrestricted surpluses (Reserves) to cover the difference in unrealized revenue. The WW/S fund will also require a budget amendment due to multiple Emergency Repairs and outstanding invoices that are to be paid before year's end. Appropriations in the Wastewater Fund need to be increased from \$680,420 to \$1,250,000 with funds coming from unappropriated and unrestricted surpluses (Reserves).</p>
BUDGET:	N/A
RECOMMENDATION:	<p>RECOMMENDED MOTION: I move to approve Resolution 18-2023, A Resolution Amending the 2023 Budget for the Town of Paonia.</p>
ATTACHMENT:	<p>Attachment A: Resolution 18-2023 Attachment B: FY-23 Budget to Actual</p>

RESOLUTION NO. 18-2023

A RESOLUTION AMENDING THE 2023 BUDGET FOR THE TOWN OF PAONIA TO AMEND REVENUE ESTIMATES AND TO APPROPRIATE ADDITIONAL SUMS OF MONEY TO DEFRAY EXPENSES IN EXCESS OF AMOUNTS BUDGETED.

WHEREAS, by this resolution, the Board of Trustees of the Town of Paonia desires to amend the fiscal year 2023 budget, to supplement and increase the appropriations for the General Fund, and Wastewater (Sewer) Fund.

NOW, THEREFORE, BE IT RESOLVED BY THE BOARD OF TRUSTEES OF THE TOWN OF PAONIA:

Section 1. That the 2023 appropriation for the General Fund Revenue from unappropriated or unrestricted surplus (Reserves) is hereby increased from \$0 to \$200,000 due to a deficit in actual revenues received during the fiscal year.

Section 2. That the 2023 appropriation for the Wastewater/Sewer Fund is hereby increased from \$680,420 to \$1,250,000.

PASSED AND ADOPTED this 12th day of December, 2023.

TOWN OF PAONIA, COLORADO

By: _____
Mary Bachran, Mayor

ATTEST:

Samira Vetter, Town Clerk

APPROVED AS TO FORM:

By: _____
Kelly PC, Town Attorney

ACCOUNT	DESCRIPTION		FY-2024 BUDGET	FY-2023 ACTUAL
General Fund				
10-31-01	PROPERTY TAXES	\$	146,513.00	\$ 144,978.09
10-31-02	S.O. AUTO TAXES	\$	23,550.00	\$ 18,047.63
10-31-03	SALES TAX - TOWN	\$	599,400.00	\$ 495,743.20
10-31-04	SALES TAX - COUNTY	\$	169,842.00	\$ 237,931.98
10-31-05	SALES TAX - STATE MARIJUANA	\$	29,100.00	\$ 20,447.70
10-31-06	CIGARETTE TAX	\$	1,350.00	\$ 1,745.81
10-31-07	FRANCHISE TAX	\$	49,910.00	\$ 107,981.40
10-31-08	PENALTY & INTEREST	\$	400.00	\$ 208.01
10-31-09	DELINQUENT TAX	\$	15.00	\$ -
10-31-10	ABATEMENTS	\$	-	\$ -
	Subgroup : TAXES	\$	1,020,080.00	\$ 1,027,083.82
General Fund				
10-32-01	LIQUOR LICENSES	\$	5,000.00	\$ 2,825.00
10-32-02	MISCELLANEOUS PERMITS	\$	1,675.00	\$ 13,340.00
10-32-03	BUILDING PERMITS	\$	60,000.00	\$ 24,841.93
10-32-04	SPECIAL REVIEWS	\$	1,000.00	\$ 1,000.00
10-32-06	VIN INSPECTIONS	\$	1,500.00	\$ 970.00
	Subgroup : LICENSES, PERMITS & FEES	\$	69,175.00	\$ 42,976.93
General Fund				
10-33-01	HIGHWAY USER TAX	\$	49,916.00	\$ 26,998.69
10-33-02	MOTOR VEHICLE - \$1.50	\$	2,600.00	\$ 1,283.98
10-33-03	MOTOR VEHICLE - \$2.50	\$	3,800.00	\$ 2,919.99
10-33-07	SEVERANCE TAX	\$	4,025.00	\$ 5,794.43
10-33-08	MINERAL LEASING	\$	10,335.00	\$ 18,654.37
10-33-10	ROAD & BRIDGE	\$	8,125.00	\$ 7,837.32
	Subgroup : INTERGOVERNMENTAL REVENUES	\$	78,801.00	\$ 63,488.78
General Fund				
10-34-01	COURT FINES	\$	200.00	\$ 160.00
10-34-02	POLICE FINES	\$	21,000.00	\$ 2,229.00
10-34-03	MISCELLANEOUS FINES - BONDS	\$	200.00	\$ 60.00
10-34-04	OTHER AGENCY CONTRIBUTIONS - PD	\$	239,580.00	\$ 112,857.98
10-34-05	DOG TAGS	\$	300.00	\$ 235.00
10-34-10	LAW ENFORCEMENT COST ALLOCATION	\$	-	\$ -
10-34-50	PD GRANT	\$	10,000.00	\$ 3,105.18
	Subgroup : FINES AND FORFEITURES	\$	271,280.00	\$ 118,647.16
General Fund				
10-35-01	RENTS & ROYALTIES	\$	8,567.00	\$ 10,426.00
10-35-02	MOTOR FUEL TAX REFUNDS	\$	1,000.00	\$ -
10-35-05	LATE CHARGES	\$	6,150.00	\$ 7,485.00
10-35-04	INTEREST INCOME	\$	27,800.00	\$ 139,974.73
10-35-06	OTHER INCOME	\$	10.00	\$ 518.32

ACCOUNT	DESCRIPTION	FY-2024 BUDGET	FY-2023 ACTUAL
10-35-09	PARK DONATIONS	\$ -	\$ -
10-35-10	OTHER AGENCY CONTRIBUTIONS	\$ -	\$ -
10-35-13	BRIDGE RESERVE	\$ -	\$ -
10-35-15	REFUND OF EXPENDITURES	\$ 4,200.00	\$ 56,265.54
10-35-16	RESTITUTION	\$ 4,800.00	\$ 4,697.31
10-35-18	SALES OF ASSETS	\$ -	\$ -
10-35-20	GRANT REVENUE	\$ 543,350.00	\$ 32,348.25
	Subgroup : MISCELLANEOUS REVENUES	\$ 595,877.00	\$ 251,715.15
General Fund			
10-39-99	TRANSFER REVENUE	\$ -	\$ -
	Subgroup : TRANSFERS	\$ -	\$ -
General Fund			
	TOTAL GENERAL FUND REVENUES	\$ 2,035,213.00	\$ 1,503,911.84
General Fund			
	Surplus (Deficit)		
BUDGETED REVENUES TO ACTUAL REVENUES VARIANCE		\$	(531,301.16)
BUDGETED EXPENDITURES TO ACTUAL EXPENDITURES VARIANCE		\$	121,697.58

ACCOUNT	DESCRIPTION	FY-2023 BUDGET	FY-2023 ACTUAL
ADMINISTRATION PERSONNEL SERVICES			
10-41-01	MAYOR & TRUSTEES	\$ -	\$ 3,307.65
10-41-02	TOWN ADMINISTRATOR/CONTRACT LABOR	\$ -	\$ 145,100.60
10-41-03	SALARIES & WAGES	\$ 113,937.25	\$ 78,435.25
10-41-04	EMPLOYER FICA	\$ 7,057.71	\$ 4,895.42
10-41-05	EMPLOYER MEDICARE	\$ 1,650.59	\$ 1,144.83
10-41-06	UNEMPLOYMENT TAX	\$ 312.70	\$ 140.01
10-41-07	INSURANCE BENEFITS	\$ 21,722.16	\$ 36,146.52
10-41-08	RETIREMENT BENEFITS	\$ 9,780.98	\$ 1,807.88
10-41-09	LIFE/DISABILITY INSURANCE	\$ -	\$ -
10-41-10	WORKMEN'S COMPENSATION	\$ 148.00	\$ -
	Subgroup : Personnel Services	\$ 154,609.39	\$ 270,978.16
ADMINISTRATION OPERATING			
10-41-15	OFFICE SUPPLIES	\$ 6,075.00	\$ 6,859.20
10-41-16	OPERATING SUPPLIES	\$ 1,585.00	\$ 6,095.49
10-41-17	POSTAGE	\$ 550.00	\$ 2,531.07
10-41-20	LEGAL, ENGINEERING & PROFESSIONAL SERVICES	\$ 63,844.53	\$ 65,667.90
10-41-21	AUDIT & BUDGET EXPENSE	\$ 4,500.00	\$ -
10-41-22	REPAIRS & MAINTENANCE	\$ -	\$ 1,834.54
10-41-25	TOWN HALL EXPENSE	\$ 13,200.00	\$ 16,273.65
10-41-26	TRAVEL, MEETINGS, & TRAININGS	\$ 4,850.00	\$ 9,718.16
10-41-27	INSURANCE & BONDS	\$ 3,333.00	\$ 4,427.09
10-41-28	UTILITIES	\$ 6,175.00	\$ 5,546.26
10-41-29	TELEPHONE & INTERNET	\$ 2,700.00	\$ 1,153.82
10-41-30	PUBLISHING ADS	\$ 5,030.00	\$ 2,626.01
10-41-31	DUES & SUBSCRIPTIONS	\$ 12,386.00	\$ 19,414.96
10-41-33	DATA PROCESSING	\$ 15,080.00	\$ 6,107.82
10-41-40	MISCELLANEOUS	\$ -	\$ 5,965.98
10-41-43	CULTURAL EVENTS	\$ 1,000.00	\$ -
10-41-44	HUMAN SERVICES	\$ 4,350.00	\$ 3,300.00
10-41-45	BUILDING INSPECTOR	\$ -	\$ -
	Subgroup : Operating Expenditures	\$ 144,658.53	\$ 157,521.95
ADMINISTRATION CAPITAL OUTLAY & TRANSFERS			
10-41-75	GRANT PROJECTS	\$ 86,300.00	\$ 101,427.28
10-41-90	TREASURER'S FEE	\$ 3,300.00	\$ 10,126.17
10-41-99	TRANSFERS	\$ -	\$ -
	Subgroup : CAPITAL OUTLAY	\$ 89,600.00	\$ 111,553.45
	TOTAL	\$ 388,867.92	\$ 540,053.56

ACCOUNT	DESCRIPTION	FY-2023 BUDGET	FY-2023 ACTUAL
LAW ENFORCEMENT PERSONNEL SERVICES			
10-42-02	CONTRACT LABOR (JUDGE)	\$ -	\$ 6,600.00
10-42-03	SALARIES & WAGES	\$ 453,985.35	\$ 378,655.84
10-42-04	EMPLOYER FICA	\$ 2,545.84	\$ 5,061.76
10-42-05	EMPLOYER MEDICARE	\$ 6,531.72	\$ 5,395.28
10-42-06	UNEMPLOYMENT TAX	\$ 979.40	\$ 715.57
10-42-07	INSURANCE BENEFITS	\$ 68,686.23	\$ 52,580.86
10-42-08	RETIREMENT BENEFITS	\$ 18,122.81	\$ 8,030.66
10-42-09	LIFE/DISABILITY INSURANCE	\$ 9,235.00	\$ 10,010.00
10-42-10	WORKMEN'S COMPENSATION	\$ 33,479.55	\$ 28,576.59
10-42-11	FPPA PENSION	\$ 11,903.84	\$ 6,919.89
10-42-12	FPPA D&D	\$ 2,250.00	\$ 777.30
	Subgroup : Personnel Services	\$ 607,719.74	\$ 503,323.75
LAW ENFORCEMENT OPERATING			
10-42-15	OFFICE SUPPLIES	\$ 2,250.00	\$ 777.30
10-42-16	OPERATING SUPPLIES	\$ 15,895.00	\$ 14,532.49
10-42-17	POSTAGE	\$ 170.00	\$ -
10-42-20	LEGAL, ENGINEERING & PROFESSIONAL SERVICES	\$ 4,130.00	\$ 2,648.35
10-42-22	REPAIRS & MAINTENANCE	\$ 850.00	\$ 630.29
10-42-23	VEHICLE EXPENSE	\$ 15,958.73	\$ 16,189.10
10-42-26	TRAVEL, MEETINGS, & TRAININGS	\$ 15,900.00	\$ 5,228.03
10-42-27	INSURANCE & BONDS	\$ 27,369.00	\$ 27,701.61
10-42-28	UTILITIES	\$ 2,926.00	\$ 1,761.69
10-42-29	TELEPHONE & INTERNET	\$ 5,460.00	\$ 2,324.44
10-42-30	PUBLISHING ADS	\$ 200.00	\$ -
10-42-31	DUES & SUBSCRIPTIONS	\$ 8,795.00	\$ 924.40
10-42-33	DATA PROCESSING	\$ 23,624.00	\$ 15,397.19
10-42-42	CONTRACT SERVICES	\$ -	\$ 10,217.41
10-42-44	HUMAN SERVICES	\$ 2,111.00	\$ 1,339.45
	Subgroup : Operating Expenditures	\$ 125,638.73	\$ 99,671.75
LAW ENFORCEMENT CAPITAL OUTLAY & TRANSFERS			
	TOTAL	\$ 733,358.47	\$ 602,995.50

ACCOUNT	DESCRIPTION	FY-2023 BUDGET	FY-2023 ACTUAL
BUILDING	PERSONNEL SERVICES		
10-43-01	MAYOR & TRUSTEES	\$ -	\$ -
10-43-02	CONTRACT LABOR	\$ -	\$ 23,140.00
10-43-03	SALARIES & WAGES	\$ 58,426.27	\$ 2,973.01
10-43-04	EMPLOYER FICA	\$ 232.77	\$ 153.18
10-43-05	EMPLOYER MEDICARE	\$ 54.44	\$ 35.85
10-43-06	UNEMPLOYMENT TAX	\$ 11.26	\$ 4.51
10-43-07	INSURANCE BENEFITS	\$ 784.01	\$ 452.33
10-43-08	RETIREMENT BENEFITS	\$ 353.62	\$ 87.64
10-43-10	WORKMEN'S COMPENSATION	\$ 25.00	\$ 25.00
10-43-13	OVERTIME	\$ -	\$ -
	Subgroup : Personnel Services	\$ 59,887.37	\$ 26,871.52
BUILDING	OPERATING		
10-43-15	OFFICE SUPPLIES	\$ 100.00	\$ -
10-43-16	OPERATING SUPPLIES	\$ -	\$ 762.50
10-43-17	POSTAGE	\$ 25.00	\$ 1.20
10-43-20	LEGAL, ENGINEERING & PROFESSIONAL SERVICES	\$ 1,000.00	\$ 63.90
10-43-22	REPAIRS & MAINTENANCE	\$ -	\$ -
10-43-23	VEHICLE EXPENSE	\$ -	\$ 108.31
10-43-26	TRAVEL & MEETINGS	\$ -	\$ -
10-43-27	INSURANCE & BONDS	\$ 946.00	\$ 1,010.12
10-43-28	UTILITIES	\$ -	\$ 966.19
10-43-29	TELEPHONE & INTERNET	\$ -	\$ -
10-43-30	PUBLISHING ADS	\$ -	\$ -
10-43-31	DUES & SUBSCRIPTIONS	\$ 145.00	\$ 145.00
10-43-33	DATA PROCESSING	\$ -	\$ -
10-43-40	MISCELLANEOUS	\$ -	\$ -
10-43-43	CULTURAL EVENTS	\$ -	\$ -
10-43-44	HUMAN SERVICES	\$ -	\$ -
	Subgroup : Operating Expenditures	\$ 2,216.00	\$ 3,057.22
BUILDING	CAPITAL OUTLAY & TRANSFERS		
10-43-73	BUILDING IMPROVEMENTS	\$ -	\$ -
10-43-74	MACHINERY & EQUIPMENT	\$ -	\$ -
	Subgroup : CAPITAL OUTLAY	\$ -	\$ -
	TOTAL	\$ 62,103.37	\$ 29,928.74

ACCOUNT	DESCRIPTION	FY-2023 BUDGET	FY-2023 Actual
STREETS	PERSONNEL SERVICES		
10-45-02	CONTRACT LABOR	\$ -	\$ -
10-45-03	SALARIES & WAGES	\$ 127,767.51	\$ 96,307.37
10-45-04	EMPLOYER FICA	\$ 7,835.29	\$ 5,841.68
10-45-05	EMPLOYER MEDICARE	\$ 1,832.45	\$ 1,366.06
10-45-06	UNEMPLOYMENT TAX	\$ 379.13	\$ 178.86
10-45-07	INSURANCE BENEFITS	\$ 20,556.74	\$ 20,556.74
10-45-08	RETIREMENT BENEFITS	\$ 9,172.88	\$ 3,175.51
10-45-09	LIFE/DISABILITY INSURANCE	\$ -	\$ -
10-45-10	WORKMEN'S COMPENSATION	\$ 4,905.00	\$ 3,714.00
10-45-13	OVERTIME	\$ 160.00	\$ 234.55
	Subgroup : Personnel Services	\$ 172,609.00	\$ 131,374.77
STREETS	OPERATING		
10-45-15	OFFICE SUPPLIES	\$ 160.00	\$ 234.55
10-45-16	OPERATING SUPPLIES	\$ 1,733.00	\$ 17,274.31
10-45-17	POSTAGE	\$ 50.00	\$ -
10-45-20	LEGAL, ENGINEERING & PROFESSIONAL SERVICES	\$ 975.00	\$ 45,580.78
10-45-21	AUDIT & BUDGET EXPENSE	\$ -	\$ -
10-45-22	REPAIRS & MAINTENANCE	\$ 10,900.00	\$ 37,730.93
10-45-23	VEHICLE EXPENSE	\$ 10,465.17	\$ 8,695.10
10-45-24	RENTALS	\$ -	\$ -
10-45-25	SHOP EXPENSE	\$ -	\$ 2,857.01
10-45-26	TRAVEL, MEETINGS & TRAININGS	\$ 42,750.00	\$ -
10-45-27	INSURANCE & BONDS	\$ 4,061.00	\$ 4,006.50
10-45-28	UTILITIES	\$ 10,770.00	\$ 10,506.54
10-45-29	TELEPHONE & INTERNET	\$ 480.00	\$ 237.77
10-45-30	PUBLISHING ADS	\$ 100.00	\$ -
10-45-31	DUES & SUBSCRIPTIONS	\$ -	\$ 412.20
10-45-33	DATA PROCESSING	\$ -	\$ 122.00
10-45-40	MISCELLANEOUS	\$ -	\$ 1,685.98
10-45-42	SNOW REMOVAL	\$ 15,280.23	\$ 12,734.57
10-45-43	CULTURAL EVENTS	\$ -	\$ -
10-45-44	HUMAN SERVICES	\$ -	\$ -
10-45-45	BUILDING INSPECTOR	\$ -	\$ -
	Subgroup : Operating Expenditures	\$ 97,724.40	\$ 142,078.24
STREETS	CAPITAL OUTLAY & TRANSFERS		
10-45-70	CAPITAL OUTLAY	\$ 125,000.00	\$ -
10-45-73	BUILDING IMPROVEMENTS	\$ -	\$ -
10-45-74	MACHINERY & EQUIPMENT	\$ -	\$ -
10-45-75	GRANT PROJECTS	\$ -	\$ -
10-45-90	TREASURER'S FEE	\$ -	\$ -
10-45-99	TRANSFERS	\$ -	\$ -
	Subgroup : CAPITAL OUTLAY	\$ 125,000.00	\$ -
	TOTAL	\$ 395,333.40	\$ 273,453.01

ACCOUNT	DESCRIPTION	FY-2023 BUDGET	FY-2023 ACTUAL
PARKS	PERSONNEL SERVICES		
10-46-02	CONTRACT LABOR	\$ -	\$ 3,582.97
10-46-03	SALARIES & WAGES	\$ 65,966.67	\$ 59,045.73
10-46-04	EMPLOYER FICA	\$ 4,024.20	\$ 3,582.83
10-46-05	EMPLOYER MEDICARE	\$ 941.14	\$ 837.87
10-46-06	UNEMPLOYMENT TAX	\$ 194.72	\$ 108.65
10-46-07	INSURANCE BENEFITS	\$ 10,583.99	\$ 10,416.42
10-46-08	RETIREMENT BENEFITS	\$ 2,500.00	\$ 2,078.08
10-46-09	LIFE/DISABILITY INSURANCE	\$ -	\$ -
10-46-10	WORKMEN'S COMPENSATION	\$ 2,566.00	\$ 1,594.00
10-46-13	OVERTIME	\$ -	\$ -
	Subgroup : Personnel Services	\$ 86,776.72	\$ 81,246.55
PARKS	OPERATING		
10-46-15	OFFICE SUPPLIES	\$ 105.00	\$ 138.86
10-46-16	OPERATING SUPPLIES	\$ 6,724.00	\$ 4,774.60
10-46-17	POSTAGE	\$ 50.00	\$ -
10-46-20	LEGAL, ENGINEERING & PROFESSIONAL SERVICES	\$ -	\$ -
10-46-21	AUDIT & BUDGET EXPENSE	\$ -	\$ -
10-46-22	REPAIRS & MAINTENANCE	\$ 8,080.23	\$ 34,740.88
10-46-23	VEHICLE EXPENSE	\$ 4,100.00	\$ 4,784.87
10-46-24	RENTALS	\$ 1,080.00	\$ 2,740.00
10-46-25	SHOP EXPENSE	\$ 1,150.00	\$ 1,166.57
10-46-26	TRAVEL, MEETINGS & TRAININGS	\$ -	\$ -
10-46-27	INSURANCE & BONDS	\$ 5,539.00	\$ 5,812.39
10-46-28	UTILITIES	\$ 9,300.00	\$ 6,910.57
10-46-29	TELEPHONE & INTERNET	\$ 515.00	\$ 237.76
10-46-30	PUBLISHING ADS	\$ 100.00	\$ -
10-46-31	DUES & SUBSCRIPTIONS	\$ -	\$ -
10-46-32	FEES & PERMITS	\$ 750.00	\$ 773.45
10-46-33	DATA PROCESSING	\$ -	\$ -
10-46-40	MISCELLANEOUS	\$ -	\$ 222.74
10-46-42	CONTRACT SERVICES	\$ 3,000.00	\$ 3,255.48
10-46-43	CULTURAL EVENTS	\$ -	\$ -
10-46-44	HUMAN SERVICES	\$ -	\$ -
10-46-45	BUILDING INSPECTOR	\$ -	\$ -
	Subgroup : Operating Expenditures	\$ 40,493.23	\$ 65,558.17
PARKS	CAPITAL OUTLAY & TRANSFERS		
10-46-70	CAPITAL OUTLAY	\$ 45,750.00	\$ 37,750.00
10-46-73	BUILDING IMPROVEMENTS	\$ -	\$ -
10-46-74	MACHINERY & EQUIPMENT	\$ -	\$ -
10-46-75	GRANT PROJECTS	\$ -	\$ -
10-46-90	TREASURER'S FEE	\$ -	\$ -
10-46-99	TRANSFERS	\$ -	\$ -
	Subgroup : CAPITAL OUTLAY	\$ 45,750.00	\$ 37,750.00
	TOTAL	\$ 173,019.95	\$ 184,554.72

ACCOUNT	DESCRIPTION	FY-2023 BUDGET	FY-2023 ACTUAL
WATER			
WATER UTILITY REVENUE			
60-36-01	WATER CHARGES	\$ 910,177.00	\$ 768,492.09
60-36-02	WATER CHARGES - USAGE	\$ 433,897.00	\$ 339,691.46
60-36-03	SALES & SERVICES	\$ 2,000.00	\$ 550.00
60-36-04	STANDBY TAP FEES	\$ 58,955.00	\$ 56,865.42
60-36-05	BULK WATER	\$ 8,100.00	\$ 15,110.15
60-36-06	RECONNECT FEES & PENALTIES	\$ -	\$ -
60-36-07	WATER TAPS	\$ -	\$ 100.00
60-36-08	TAPS FEES ASSIGNED FOR STORAGE	\$ -	\$ -
60-36-09	START/STOP SERVICE FEES	\$ 4,525.00	\$ 6,400.00
60-36-10	INTEREST	\$ -	\$ -
60-36-12	RENTS	\$ 1,000.00	\$ -
60-36-13	MISCELLANEOUS REVENUE	\$ -	\$ -
60-36-15	SALE/DISPOSAL OF ASSETS	\$ -	\$ -
60-36-20	PASS THROUGH FUNDS	\$ -	\$ -
60-36-21	DOLA PASS THROUGH REVENUE	\$ -	\$ -
60-36-22	WPA PASS THROUGH REVENUE	\$ -	\$ -
60-36-23	DWRP GRANT (PRINCIPAL LOAN FORGIVENESS)	\$ -	\$ -
60-36-24	DOLA URS PASS THROUGH REVENUE	\$ -	\$ -
60-36-25	LOAN FUNDS	\$ -	\$ -
60-36-30	GRANT FUNDS	\$ 1,119,232.78	\$ -
60-36-31	CAPITAL CONTRIBUTIONS	\$ -	\$ -
	Subgroup : Total Revenue	\$ 2,537,886.78	\$ 1,187,209.12
WATER			
WATER UTILITY PERSONNEL SERVICES			
60-50-02	TRUSTEE/ADMIN SALARIES	\$ -	\$ -
60-50-03	SALARIES & WAGES	\$ 284,781.59	\$ 256,638.43
60-50-04	EMPLOYER FICA	\$ 17,216.48	\$ 15,674.29
60-50-05	EMPLOYER MEDICARE	\$ 4,026.44	\$ 3,665.77
60-50-06	UNEMPLOYMENT TAX	\$ 833.06	\$ 459.35
60-50-07	INSURANCE BENEFITS	\$ 51,401.91	\$ 40,211.35
60-50-08	RETIREMENT BENEFITS	\$ 19,326.70	\$ 8,789.00
60-50-09	LIFE/DISABILITY INSURANCE	\$ -	\$ -
60-50-10	WORKMEN'S COMPENSATION	\$ 4,080.00	\$ 6,061.00
60-50-13	OVERTIME	\$ -	\$ -
	Subgroup : Personnel Services	\$ 381,666.18	\$ 331,499.19
WATER			
WATER UTILITY OPERATING EXPENSES			
60-50-15	OFFICE SUPPLIES	\$ 975.00	\$ 446.13
60-50-16	OPERATING SUPPLIES	\$ 43,666.00	\$ 23,274.52
60-50-17	POSTAGE	\$ 5,160.00	\$ 1,796.47
60-50-20	LEGAL, ENGINEERING & PROFESSIONAL SERVICES	\$ 31,000.00	\$ 131,872.48
60-50-21	AUDIT & BUDGET EXPENSE	\$ 13,000.00	\$ -
60-50-22	REPAIRS & MAINTENANCE	\$ 241,752.78	\$ 89,212.20
60-50-23	VEHICLE EXPENSE	\$ 9,000.00	\$ 5,376.50
60-50-24	RENTALS	\$ 400.00	\$ 2,823.75
60-50-25	SHOP EXPENSE	\$ 7,140.00	\$ 8,363.17
60-50-26	TRAVEL, MEETINGS & TRAININGS	\$ 2,500.00	\$ 150.00
60-50-27	INSURANCE & BONDS	\$ 28,612.00	\$ 29,789.15
60-50-28	UTILITIES	\$ 30,250.00	\$ 24,833.31
60-50-29	TELEPHONE & INTERNET	\$ 4,776.00	\$ 2,075.23
60-50-30	PUBLISHING ADS	\$ 445.00	\$ 17,033.00
60-50-31	DUES & SUBSCRIPTIONS	\$ 20,670.00	\$ 13,352.89
60-50-32	FEES & PERMITS	\$ 10,635.00	\$ 2,617.98
60-50-33	DATA PROCESSING	\$ 21,393.00	\$ 9,981.63

60-50-40	MISCELLANEOUS	\$	-	\$	134.68
60-50-41	WRITEOFF - UNCOLLECTABLE	\$	-	\$	-
60-50-42	CONTRACT SERVICES	\$	18,000.00	\$	30,696.65
60-50-44	NORRIS RETIREMENT	\$	13,440.00	\$	11,200.00
60-50-50	WATER POWER AUTHORITY LOAN	\$	192,500.00	\$	174,143.91
60-50-51	DRINKING WATER REVOLVING FUND	\$	23,345.00	\$	11,671.70
60-50-52	FCNB INTERIM FINANCING	\$	495.00	\$	-
60-50-54	DEBT SERVICE	\$	-	\$	11,250.00
60-50-55	LOAN PRINCIPAL	\$	-	\$	10,513.12
60-50-56	LOAN INTEREST	\$	-	\$	1,158.58
60-50-60	WATER STORAGE EXPENDITURE	\$	-	\$	-
	Subgroup : Water Operating Expenditures		719,154.78	\$	613,767.05
WATER					
WATER UTILITY CAPITAL OUTLAY & TRANSFERS					
60-50-70	CAPITAL OUTLAY	\$	-	\$	-
60-50-71	PASS THROUGH ACCOUNT	\$	-	\$	-
60-50-72	PASS THROUGH ENGINEERING	\$	-	\$	-
60-50-73	PASS THROUGH OPERATING	\$	-	\$	-
60-50-75	GRANT PROJECTS	\$	1,393,947.78	\$	-
60-50-76	BUILDING IMPROVEMENTS	\$	-	\$	-
60-50-77	MACHINERY & EQUIPMENT	\$	-	\$	-
60-50-99	TRANSFERS	\$	-	\$	-
	Subgroup : Water Capital Outlay & Transfers	\$	1,393,947.78	\$	-
WATER					
WATER UTILITY DEPRECIATION					
60-59-99	DEPRECIATION	\$	-	\$	-
	Subgroup : Water Depreciation	\$	-	\$	-
WATER FUND					
	NET INCOME (LOSS) - Water Utility	\$	43,118.04	\$	241,942.88

ACCOUNT	DESCRIPTION	FY-23 BUDGET	FY-23 ACTUAL
SANITATION			
SANITATION UTILITY REVENUE			
80-30-02	TRASH CHARGES	\$ 330,335.00	\$ 296,903.83
80-30-03	BULK TRASH CHARGE	\$ 2,500.00	\$ 1,345.00
80-30-04	TIRE PICK UP	\$ -	\$ -
	Subgroup : Total Revenue	\$ 332,835.00	\$ 298,248.83
SANITATION			
SANITATION UTILITY PERSONNEL SERVICES			
80-52-02	CONTRACT/ADMIN SALARIES	\$ -	\$ 220.00
80-52-03	SALARIES & WAGES	\$ 176,249.93	\$ 147,598.35
80-52-04	EMPLOYER FICA	\$ 10,817.49	\$ 8,897.37
80-52-05	EMPLOYER MEDICARE	\$ 2,529.90	\$ 2,081.05
80-52-06	UNEMPLOYMENT TAX	\$ 523.43	\$ 267.61
80-52-07	INSURANCE BENEFITS	\$ 25,665.44	\$ 25,144.29
80-52-08	RETIREMENT BENEFITS	\$ 10,367.38	\$ 4,337.70
80-52-09	LIFE/DISABILITY INSURANCE	\$ -	\$ -
80-52-10	WORKMEN'S COMPENSATION	\$ 5,615.00	\$ 7,277.00
80-52-11	OVERTIME	\$ -	\$ -
	Subgroup : Personnel Services	\$ 231,768.57	\$ 195,823.37
SANITATION			
SANITATION UTILITY OPERATING EXPENSES			
80-52-15	OFFICE SUPPLIES	\$ 370.00	\$ 381.47
80-52-16	OPERATING SUPPLIES	\$ 1,856.00	\$ 1,456.51
80-52-17	POSTAGE	\$ 1,525.00	\$ 630.26
80-52-20	LEGAL, ENGINEERING & PROFESSIONAL SERVICES	\$ -	\$ 1,882.20
80-52-21	AUDIT & BUDGET EXPENSE	\$ 4,000.00	\$ -
80-52-22	REPAIRS & MAINTENANCE	\$ 375.00	\$ 705.58
80-52-23	VEHICLE EXPENSE	\$ 21,433.81	\$ 8,729.71
80-52-24	RENTALS	\$ -	\$ -
80-52-25	SHOP EXPENSE	\$ 1,873.50	\$ 1,542.39
80-52-26	TRAVEL, MEETINGS & TRAININGS	\$ -	\$ -
80-52-27	INSURANCE & BONDS	\$ 7,481.00	\$ 6,755.45
80-52-28	UTILITIES	\$ 2,727.00	\$ 2,326.01
80-52-29	TELEPHONE & INTERNET	\$ 480.00	\$ 237.84
80-52-30	PUBLISHING ADS	\$ 100.00	\$ -
80-52-31	DUES & SUBSCRIPTIONS	\$ -	\$ -
80-52-32	FEES & PERMITS	\$ -	\$ -
80-52-33	DATA PROCESSING	\$ 2,980.00	\$ 1,033.97
80-52-40	MISCELLANEOUS	\$ -	\$ -
80-52-41	WRITEOFF - UNCOLLECTABLE	\$ -	\$ -
80-52-42	LANDFILL FEES	\$ 38,220.00	\$ 34,867.00
80-52-43	CLEAN UP DAYS	\$ -	\$ -
	Subgroup : Operating Expenses	\$ 83,421.31	\$ 60,548.39
SANITATION			
SANITATION UTILITY CAPITAL OUTLAY & TRANSFERS			
80-52-70	CAPITAL OUTLAY	\$ -	\$ -
80-52-71	PASS THROUGH FUNDS	\$ -	\$ -

80-52-75	GRANT PROJECTS	\$	-	\$	-
80-52-76	BUILDING IMPROVEMENTS	\$	-	\$	-
80-52-77	MACHINERY & EQUIPMENT	\$	-	\$	-
80-52-99	TRANSFERS	\$	-	\$	-
	Subgroup : Sanitation Capital Outlay & Transfers	\$	-	\$	-
SANITATION					
SANITATION UTILITY DEPRECIATION					
70-59-99	DEPRECIATION	\$	17,646.00	\$	-
	Subgroup : Sanitation Depreciation	\$	17,646.00	\$	-
SANITATION					
NET INCOME (LOSS) - SANITATION		\$	(0.88)	\$	41,877.07

ACCOUNT	DESCRIPTION	FY-23 BUDGET	FY-23 ACTUAL
WASTEWATER			
WASTEWATER UTILITY REVENUE			
70-37-01	SEWER BASE CHARGE	\$ 759,660.00	\$ 692,837.58
70-37-04	SEWER TAPS	\$ 10,000.00	\$ -
70-37-05	SEWER RENTAL PROPERTY	\$ -	\$ -
70-37-07	SALES & SERVICE	\$ -	\$ -
70-37-08	PASS THROUGH FUNDS	\$ -	\$ -
70-37-09	INTEREST INCOME	\$ 20,760.00	\$ 31,516.50
70-37-10	WWTP PAYBACK FUND	\$ -	\$ -
70-37-11	WWTP PAYBACK INTEREST	\$ -	\$ -
70-37-12	RENTS	\$ -	\$ -
70-37-13	GRANT REVENUE	\$ -	\$ -
70-37-14	MISCELLANEOUS REVENUE	\$ -	\$ -
	Subgroup : Total Revenue	\$ 790,420.00	\$ 724,354.08
WASTEWATER			
WASTEWATER UTILITY PERSONNEL SERVICES			
70-51-02	TRUSTEE/ADMIN SALARIES	\$ -	\$ -
70-51-03	SALARIES & WAGES	\$ 170,382.56	\$ 141,397.80
70-51-04	EMPLOYER FICA	\$ 10,563.72	\$ 8,607.53
70-51-05	EMPLOYER MEDICARE	\$ 2,470.55	\$ 2,013.05
70-51-06	UNEMPLOYMENT TAX	\$ 340.76	\$ 251.04
70-51-07	INSURANCE BENEFITS	\$ 37,331.58	\$ 21,139.58
70-51-08	RETIREMENT BENEFITS	\$ 7,600.00	\$ 4,309.75
70-51-09	LIFE/DISABILITY INSURANCE	\$ -	\$ -
70-51-10	WORKMEN'S COMPENSATION	\$ 1,110.00	\$ 1,820.00
70-51-11	OVERTIME	\$ -	\$ -
	Subgroup : Personnel Services	\$ 229,799.17	\$ 179,538.75
WASTEWATER			
WASTEWATER UTILITY OPERATING EXPENSES			
70-51-15	OFFICE SUPPLIES	\$ 275.00	\$ 381.12
70-51-16	OPERATING SUPPLIES	\$ 15,799.00	\$ 6,888.72
70-51-17	POSTAGE	\$ 2,700.00	\$ 1,284.94
70-51-20	LEGAL, ENGINEERING & PROFESSIONAL SERVICES	\$ 1,000.00	\$ 23,647.28
70-51-21	AUDIT & BUDGET EXPENSE	\$ 5,000.00	\$ 12.99
70-51-22	REPAIRS & MAINTENANCE	\$ 120,782.21	\$ 674,879.57
70-51-23	VEHICLE EXPENSE	\$ 10,839.62	\$ 5,369.87
70-51-24	RENTALS	\$ -	\$ -
70-51-25	SHOP EXPENSE	\$ 4,225.00	\$ 6,842.15
70-51-26	TRAVEL, MEETINGS & TRAININGS	\$ 2,500.00	\$ 350.00
70-51-27	INSURANCE & BONDS	\$ 11,846.00	\$ 9,967.64
70-51-28	UTILITIES	\$ 39,725.00	\$ 38,528.45
70-51-29	TELEPHONE & INTERNET	\$ 1,968.00	\$ 1,308.37
70-51-30	PUBLISHING ADS	\$ 700.00	\$ -
70-51-31	DUES & SUBSCRIPTIONS	\$ 572.00	\$ 2,518.30
70-51-32	FEES & PERMITS	\$ 6,495.00	\$ 5,091.68
70-51-33	DATA PROCESSING	\$ 13,469.00	\$ 9,405.76
70-51-40	MISCELLANEOUS	\$ -	\$ 121.60
70-51-41	WRITEOFF - UNCOLLECTABLE	\$ -	\$ -
70-51-42	CONTRACT SERVICES	\$ -	\$ 8,791.16
70-51-43	GAGING STATION	\$ 4,100.00	\$ 4,517.00
70-51-50	DOLA PRINCIPAL & INTEREST	\$ -	\$ -
70-51-51	RURAL DEVELOPMENT PRINCIPAL & INTEREST	\$ -	\$ 73,250.00
70-51-52	WWTP PAYBACK FUND EXPENDITURES	\$ -	\$ -
70-51-53	ISSUANCE COSTS	\$ -	\$ -
70-51-54	DEBT RESERVE	\$ 108,625.00	\$ 11,250.00
70-51-55	CROUSEN LOAN PRINCIPAL	\$ -	\$ -
70-51-56	CROUSEN LOAN INTEREST	\$ -	\$ -
70-51-57	DEVANEY LOAN PRINCIPAL	\$ -	\$ -
70-51-58	DEVANEY LOAN INTEREST	\$ -	\$ -
	Subgroup : Operating Expenses	\$ 350,620.83	\$ 884,406.60

WASTEWATER				
WASTEWATER UTILITY CAPITAL OUTLAY & TRANSFERS				
70-51-70	CAPITAL OUTLAY	\$	100,000.00	\$ -
70-51-71	PASS THROUGH FUNDS	\$	-	\$ -
70-51-72	ASSET REPLACEMENT RESERVE	\$	-	\$ -
70-51-73	PASS THROUGH OPERATING	\$	-	\$ -
70-51-75	GRANT PROJECTS	\$	-	\$ -
70-51-76	BUILDING IMPROVEMENTS	\$	-	\$ -
70-51-77	MACHINERY & EQUIPMENT	\$	-	\$ -
70-51-99	TRANSFERS	\$	-	\$ -
	Subgroup : Wastewater Capital Outlay & Transfers	\$	100,000.00	\$ -
WASTEWATER				
WASTEWATER UTILITY DEPRECIATION				
70-59-99	DEPRECIATION	\$	-	\$ -
	Subgroup : Wastewater Depreciation	\$	-	\$ -
WASTEWATER				
	NET INCOME (LOSS) - Wastewater Utility	\$	110,000.00	\$ (339,591.27)



**TOWN OF PAONIA
BOARD OF TRUSTEES MEETING
STAFF REPORT**

AGENDA ITEM:	Agenda Item #5 - Consideration of Approval for Resolution 20-2023 Water Rate Charges
SUBMITTED BY:	Stefen Wynn, Town Administrator
DATE:	12.6.2023
BACKGROUND:	<p>The FY-2024 Budget was predicated on the Board approving a rate structure that builds retained earnings for the Water Utility. Further, the approval of any Drinking Water Revolving Fund (DWRF) loans requires a 1:1.10 ratio of Expenses to Revenue, which is detailed in the 20-Year Cash Flow for the Project Needs Assessment. In order to meet the requirements of the Water Moratorium, significant investment in Drinking Water collections, treatment and distribution is necessary, and for the Town to afford improvements, rate increases are required. This Resolution contemplates 5-years of rate increases as required to qualify for DWRF Loans, the Town will re-evaluate rate increases in FY-2028 to see if rate increases are necessary for the next 5-years.</p>
BUDGET:	Typically, rate studies are completed by external contractors for significant amounts of money. However, this study was completed internally and utilized cost estimates provided by Engineering Firms for projects necessary to improve the water utility infrastructure.
RECOMMENDATION:	<p>Recommended Motion:</p> <p>I move to approve Resolution 20-2023.</p>
ATTACHMENT:	<p>Attachment A: RES 20-2023 Attachment B: 20-Year Cash Flow Analysis</p>

**STATE OF COLORADO
TOWN OF PAONIA, COLORADO**

RESOLUTION NO. 21-2023

A RESOLUTION ESTABLISHING WATER RATES AND CHARGES

WHEREAS, pursuant to the Water Activity Law, Title 37, Article 45.1, C.R.S., and Section 13-4-10 of the Paonia Municipal Code (“PMC” or “Code”), the Town of Paonia (“Town”) has established the Town Water and Sewer Enterprise (“Enterprise”) consisting of the Town's water and sanitary sewer facilities and properties, now owned or hereafter acquired, whether situated within or without the Town boundaries, including all present or future improvements, extensions, enlargements, betterments, replacements or additions thereof or thereto, with all of the authority, powers, rights, obligations and duties as may be provided or permitted by the Colorado Constitution, Water Activity Law, and as may be further prescribed by ordinance or resolution of the Town; and

WHEREAS, to maintain its enterprise status, the Enterprise must at all times and in all ways, conduct its affairs so as to continue to qualify as a "water activity enterprise" within the meaning of Section 37-45.1-102, C.R.S., and as an "enterprise" within the meaning of Article X, Section 20, of the State Constitution, including the inability to levy taxes to pay bonds or any other expenses of the Enterprise or water and sewer systems; and

WHEREAS, as a condition of many loans, bonds, and grants available for water and sewer system upgrades, enterprises must, at minimum, ensure their rates and charges offset the cost of providing water services, including maintenance, capital reinvestment, and related debt service; and

WHEREAS, PMC § 13-1-20 authorizes the Board of Trustees (the “Board”) to establish by resolution all water rates and charges and the effective date of said rates and charges; and

WHEREAS, the Board has made a thorough review of such water rates and charges vis-à-vis the cost of providing water services, including maintenance, capital reinvestment, and related debt service; and

WHEREAS, in view of the above recitals, the Board finds the rates levied for water services must be calculated to meet the cost of providing water services, including maintenance, capital reinvestment, and related debt service to avoid deficit spending, and therefore desires to adjust water rates and charges to offset such costs, as set forth below in this resolution.

NOW, THEREFORE, BE IT RESOLVED BY THE BOARD OF TRUSTEES OF THE TOWN OF PAONIA, COLORADO:

Section 1. That the following water rates shall be charged by the Town of Paonia:

A) Base Water Rates for In-Town and Out-of-Town Users

The Town has submitted a Project Needs Assessment to the Colorado Department of Public Health and Environment and completed a 20-year cash flow analysis as a requirement of obtaining debt-financing for critical water infrastructure improvements, As a result of those studies, users will be charged, on a monthly basis in arrears, the base In-Town and Out-of-Town water rates set forth in the following fee schedule:

	2024	2025	2026	2027	2028
BASE RATE IN TOWN: RESIDENTIAL	\$43.00	\$44.00	\$45.32	\$46.00	\$48.30
BASE RATE IN TOWN: COMMERCIAL	\$53.00	\$54.00	\$55.62	\$56.00	\$58.80
BASE RATE OUT OF TOWN: RESIDENTIAL	\$53.75	\$54.75	\$56.94	\$58.65	\$61.58
BASE RATE OUT OF TOWN: COMMERCIAL	\$70.00	\$71.50	\$75.08	\$78.83	\$82.77

B) (Additional) Water Usage Rate for In-Town and Out-of-Town Users

In addition to the Base Water Rate, users shall be charged, in arrears, for monthly water usage at the applicable rate set forth in the following table, (customer service account/meter) for each 1,000 gallons used by such user during the previous month. and proportionately for each fractional part thereof, as follows:

All Users

	2024	2025	2026	2027	2028
1 – 1,000 GALLONS	\$2.75	\$3.00	\$3.30	\$3.47	\$3.45
1,000 – 3,000 GALLONS	\$2.75	\$2.81	\$3.09	\$3.24	\$3.30
3,000 – 10,000 GALLONS	\$3.85	\$3.97	\$4.36	\$4.58	\$4.72

10,000 – 25,000 GALLONS	\$5.31	\$5.47	\$6.02	\$6.32	\$6.51
25,000 – 50,000 GALLONS	\$8.50	\$9.75	\$11.21	\$12.33	\$12.95
50,000 – 75,000 GALLONS	\$17.75	\$20.00	\$24.00	\$26.40	\$27.72
75,000 – 100,000 GALLONS	\$23.75	\$27.00	\$33.75	\$37.13	\$38.98
100,000+ GALLONS	\$24.00	\$28.00	\$37.80	\$41.58	\$43.66

C) Public Bulk Water Tap

All persons receiving municipal water from the public bulk water tap furnished by the Town shall continue to pay for such water at the rate of **three** dollars (**\$3.00**) per one hundred (100) gallons.

D) Service Fee

There shall continue to be a charge of **fifty** dollars (**\$50.00**) for a new account set up. There shall continue to be a charge of **twenty-five** dollars (**\$25.00**) for final meter readings. There may be a charge of **one-hundred** dollars (**\$100.00**) for same-day water shut-off/on for repairs or maintenance, when requested by property owner or agent.

E) Effective Date

The water rates set forth herein shall become effective on January 1, 2024, to reflect on the first bill in February 2024; and for each subsequent year the water rates set for the herein shall become effective on January 1st, to reflect on the first bill in February of each successive year.

PASSED, APPROVED, AND ADOPTED at a regular meeting of the Board of Trustees of the Town of Paonia, Colorado, on this 12th day of December 2023.

Attest:

Samira M. Vetter, Town Clerk

Mary Bachran, Mayor

APPROVED AS TO FORM:

By: /s/ Nicolas Cotton-Baez
Kelly PC, Town Attorney

Town of Paonia Water Fund	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	Notes	
Cash on Hand (beginning of yr)	\$ 335,500.00	\$ 731,148.38	\$ 1,045,230.70	\$ 1,965,697.42	\$ 1,972,812.40	\$ 2,820,736.35	\$ 2,160,272.86	\$ 3,009,115.94	\$ 2,645,484.79	\$ 2,344,658.28	\$ 2,177,950.24	\$ 1,924,138.06	\$ 1,641,433.32	\$ 1,288,462.03	\$ 1,234,885.62	\$ 1,251,038.36	\$ 1,415,381.15	\$ 1,651,188.37	\$ 2,040,336.83	\$ 2,467,685.36	\$ 2,942,487.22	Loan must keep 1.1:1 R:E Ratio	
Revenues																						Total Loan frm Cap Proj Fnd	
WATER CHARGES (assumes 97.82% of taps collected throughout the year)	\$ 783,029.98	\$ 838,349.09	\$ 895,106.86	\$ 913,743.11	\$ 974,304.14	\$ 1,008,869.00	\$ 1,073,784.44	\$ 1,140,414.79	\$ 1,210,234.64	\$ 1,284,185.45	\$ 1,362,505.75	\$ 1,444,534.17	\$ 1,531,359.17	\$ 1,623,255.34	\$ 1,718,397.88	\$ 1,818,996.54	\$ 1,925,359.07	\$ 2,037,810.37	\$ 2,154,122.79	\$ 2,276,971.92	\$ 2,406,720.66		
STANDBY TAP FEES	\$ 46,652.80	\$ 58,955.00	\$ 62,000.00	\$ 62,000.00	\$ 49,600.00	\$ 39,680.00	\$ 31,744.00	\$ 25,395.20	\$ 20,316.16	\$ 16,252.93	\$ 13,002.34	\$ 10,401.87	\$ 8,321.50	\$ 6,657.20	\$ 5,325.76	\$ 4,260.61	\$ 3,408.49	\$ 2,726.79	\$ 2,181.43	\$ 1,745.14	\$ 1,396.12		
WATER CHARGES - USAGE	\$ 232,286.20	\$ 599,488.24	\$ 700,768.64	\$ 790,319.38	\$ 988,556.11	\$ 1,094,212.66	\$ 1,159,154.99	\$ 1,229,036.22	\$ 1,303,172.19	\$ 1,381,826.05	\$ 1,465,277.32	\$ 1,553,822.99	\$ 1,647,778.57	\$ 1,747,747.75	\$ 1,853,734.29	\$ 1,966,480.28	\$ 2,085,933.70	\$ 2,212,608.98	\$ 2,347,337.50	\$ 2,490,323.01	\$ 2,642,078.09		
SALES & SERVICES	\$ 1,611.52	\$ 2,000.00	\$ 500.00	\$ 517.50	\$ 535.61	\$ 554.36	\$ 573.76	\$ 593.84	\$ 614.63	\$ 636.14	\$ 658.40	\$ 681.45	\$ 705.30	\$ 729.98	\$ 755.53	\$ 781.98	\$ 809.35	\$ 837.67	\$ 866.99	\$ 897.34	\$ 928.74		
BULK WATER	\$ 6,553.00	\$ 8,100.00	\$ 2,500.00	\$ 2,625.00	\$ 2,756.25	\$ 2,894.06	\$ 3,038.77	\$ 3,190.70	\$ 3,350.24	\$ 3,517.75	\$ 3,693.64	\$ 3,878.32	\$ 4,072.24	\$ 4,275.85	\$ 4,489.64	\$ 4,714.12	\$ 4,949.83	\$ 5,197.32	\$ 5,457.19	\$ 5,730.05	\$ 6,016.55		
RECONNECT FEES & PENALTIES	\$ -	\$ -	\$ 1,500.00	\$ 1,500.00	\$ 1,500.00	\$ 1,500.00	\$ 1,500.00	\$ 1,500.00	\$ 1,500.00	\$ 1,500.00	\$ 1,500.00	\$ 1,500.00	\$ 1,500.00	\$ 1,500.00	\$ 1,500.00	\$ 1,500.00	\$ 1,500.00	\$ 1,500.00	\$ 1,500.00	\$ 1,500.00	\$ 1,500.00		
WATER TAPS	\$ -	\$ -	\$ -	\$ -	\$ 375,000.00	\$ 375,000.00	\$ 226,800.00	\$ 226,800.00	\$ 226,800.00	\$ 230,550.00	\$ 233,559.00	\$ 235,827.00	\$ 238,095.00	\$ 240,381.75	\$ 242,702.30	\$ 245,049.23	\$ 247,418.84	\$ 249,811.22	\$ 252,226.64	\$ 254,665.40	\$ 257,127.74	\$ -	
Grant Funds	\$ 184,616.39	\$ -	\$ 1,137,973.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
START/STOP SERVICE FEES	\$ 4,125.00	\$ 4,525.00	\$ 6,500.00	\$ 6,500.00	\$ 6,500.00	\$ 6,500.00	\$ 6,500.00	\$ 6,500.00	\$ 6,500.00	\$ 6,500.00	\$ 6,500.00	\$ 6,500.00	\$ 6,500.00	\$ 6,500.00	\$ 6,500.00	\$ 6,500.00	\$ 6,500.00	\$ 6,500.00	\$ 6,500.00	\$ 6,500.00	\$ 6,500.00		
Rents	\$ 1,000.00	\$ 1,000.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
Misc. Revenues	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
Sale of Assets	\$ 11,215.12	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
Loan Funds	\$ -	\$ -	\$ 7,200,000.00	\$ -	\$ 7,000,000.00	\$ 8,000,000.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
Reserves	\$ -	\$ -	\$ 352,500.00	\$ -	\$ 150,000.00	\$ -	\$ 900,000.00	\$ 175,000.00	\$ -	\$ 625,000.00	\$ 500,000.00	\$ 575,000.00	\$ 625,000.00	\$ 725,000.00	\$ 450,000.00	\$ 375,000.00	\$ 250,000.00	\$ 175,000.00	\$ 50,000.00	\$ -	\$ -		
Total Receipts	\$ 1,271,090.01	\$ 1,512,417.33	\$ 10,359,348.50	\$ 1,777,204.99	\$ 9,548,752.12	\$ 2,529,210.08	\$ 11,403,095.96	\$ 2,808,430.75	\$ 3,397,487.86	\$ 3,524,968.32	\$ 3,586,696.46	\$ 3,832,145.81	\$ 4,063,331.78	\$ 4,356,047.87	\$ 4,283,405.40	\$ 4,423,282.76	\$ 4,525,879.27	\$ 4,691,992.35	\$ 4,820,192.54	\$ 5,038,332.85	\$ 5,322,267.90		

EXPENSES																						
PERSONNEL																						
TRUSTEE/ADMIN SALARIES	\$ 3,776.00	\$ 4,080.00	\$ 40,750.00	\$ 42,176.25	\$ 43,652.42	\$ 45,180.25	\$ 46,761.56	\$ 48,398.22	\$ 50,092.15	\$ 51,845.38	\$ 53,659.97	\$ 55,538.07	\$ 57,481.90	\$ 59,493.77	\$ 61,576.05	\$ 63,731.21	\$ 65,961.80	\$ 68,270.46	\$ 70,659.93	\$ 73,133.03	\$ 75,692.68	
SALARIES & WAGES	\$ 138,248.58	\$ 975.00	\$ 236,500.00	\$ 243,595.00	\$ 250,902.85	\$ 258,429.94	\$ 266,182.83	\$ 274,168.32	\$ 282,393.37	\$ 290,865.17	\$ 299,591.12	\$ 308,578.86	\$ 317,836.22	\$ 327,371.31	\$ 337,192.45	\$ 347,308.22	\$ 357,727.47	\$ 368,459.29	\$ 379,513.07	\$ 390,898.47	\$ 402,625.42	
EMPLOYER FICA	\$ 8,264.80	\$ 43,666.00	\$ 18,274.50	\$ 18,840.79	\$ 19,424.71	\$ 20,026.79	\$ 20,647.61	\$ 21,287.76	\$ 21,947.84	\$ 22,628.48	\$ 23,330.31	\$ 24,053.99	\$ 24,800.22	\$ 25,569.70	\$ 26,363.16	\$ 27,181.34	\$ 28,025.02	\$ 28,895.00	\$ 29,792.10	\$ 30,717.18	\$ 31,671.10	
EMPLOYER MEDICARE	\$ 1,932.87	\$ 5,160.00	\$ 4,273.88	\$ 4,406.31	\$ 4,542.87	\$ 4,693.68	\$ 4,852.88	\$ 5,021.14	\$ 5,198.59	\$ 5,386.22	\$ 5,574.14	\$ 5,772.34	\$ 5,980.85	\$ 6,199.67	\$ 6,428.80	\$ 6,668.54	\$ 6,918.89	\$ 7,179.84	\$ 7,451.49	\$ 7,733.84	\$ 8,027.00	
UNEMPLOYMENT TAX	\$ 276.61	\$ 31,000.00	\$ 2,500.00	\$ 2,431.07	\$ 2,506.41	\$ 2,584.10	\$ 2,664.21	\$ 2,746.81	\$ 2,831.98	\$ 2,919.80	\$ 3,010.36	\$ 3,103.74	\$ 3,200.03	\$ 3,299.32	\$ 3,401.70	\$ 3,507.27	\$ 3,616.13	\$ 3,728.39	\$ 3,844.14	\$ 3,963.51	\$ 4,086.59	
INSURANCE BENEFITS	\$ 19,635.89	\$ 13,000.00	\$ 52,500.00	\$ 54,337.50	\$ 56,239.31	\$ 58,207.69	\$ 60,244.96	\$ 62,353.53	\$ 64,535.90	\$ 66,794.66	\$ 69,132.47	\$ 71,552.11	\$ 74,056.43	\$ 76,648.41	\$ 79,331.10	\$ 82,107.69	\$ 84,981.46	\$ 87,955.81	\$ 91,034.27	\$ 94,220.47	\$ 97,518.18	
RETIREMENT BENEFITS	\$ 5,288.86	\$ 241,752.78	\$ 15,000.00	\$ 15,194.19	\$ 15,665.09	\$ 16,150.64	\$ 16,651.30	\$ 17,169.87	\$ 17,706.55	\$ 18,262.77	\$ 18,841.76	\$ 19,398.38	\$ 20,000.18	\$ 20,620.73	\$ 21,260.61	\$ 21,920.43	\$ 22,600.82	\$ 23,302.42	\$ 24,026.82	\$ 24,782.13	\$ 25,563.81	
LIFE/DISABILITY INSURANCE	\$ 1,000.00	\$ 1,000.00	\$ 1,000.00	\$ 1,035.00	\$ 1,071.23	\$ 1,108.72	\$ 1,147.52	\$ 1,187.69	\$ 1,229.26	\$ 1,272.28	\$ 1,316.81	\$ 1,362.90	\$ 1,410.60	\$ 1,459.97	\$ 1,511.07	\$ 1,563.96	\$ 1,618.69	\$ 1,675.35	\$ 1,733.99	\$ 1,794.68	\$ 1,857.49	
WORKMEN'S COMPENSATION	\$ 3,776.00	\$ 400.00	\$ 5,500.00	\$ 5,692.50	\$ 5,891.74	\$ 6,097.95	\$ 6,311.38	\$ 6,532.27	\$ 6,760.90	\$ 6,997.54	\$ 7,242.45	\$ 7,495.94	\$ 7,758.29	\$ 8,029.83	\$ 8,310.88	\$ 8,601.76	\$ 8,902.82	\$ 9,214.42	\$ 9,536.92	\$ 9,870.72	\$ 10,216.19	
OVERTIME	\$ -	\$ -	\$ 17,500.00	\$ 18,112.50	\$ 18,746.44	\$ 19,402.56	\$ 20,081.65	\$ 20,784.51	\$ 21,511.97	\$ 22,264.89	\$ 23,044.16	\$ 23,850.70	\$ 24,685.48	\$ 25,549.47	\$ 26,443.70	\$ 27,369.23	\$ 28,327.15	\$ 29,318.60	\$ 30,344.76	\$ 31,406.82	\$ 32,506.06	
TOTAL PERSONNEL	\$ 182,199.61	\$ 341,033.78	\$ 393,798.38	\$ 405,821.11	\$ 418,643.06	\$ 431,872.32	\$ 445,521.91	\$ 459,605.25	\$ 474,136.22	\$ 489,129.11	\$ 504,598.70	\$ 520,560.22	\$ 537,029.41	\$ 554,022.52	\$ 571,556.29	\$ 589,648.04	\$ 608,315.61	\$ 627,577.45	\$ 647,544.69	\$ 668,150.84	\$ 689,416.48	

OPERATIONS																						
OFFICE SUPPLIES	\$ 917.16	\$ 137.65	\$ 2,000.00	\$ 2,070.00	\$ 2,142.45	\$ 2,217.44	\$ 2,295.05	\$ 2,375.37	\$ 2,458.51	\$ 2,544.56	\$ 2,633.62	\$ 2,725.79	\$ 2,821.20	\$ 2,919.94	\$ 3,022.14	\$ 3,127.91	\$ 3,237.39	\$ 3,350.70	\$ 3,467.97	\$ 3,589.35	\$ 3,714.98	
OPERATING SUPPLIES	\$ 38,104.59	\$ 18,765.77	\$ 28,000.00	\$ 28,980.00	\$ 29,994.30	\$ 31,044.10	\$ 32,130.64	\$ 33,255.22	\$ 34,419.15	\$ 35,623.82	\$ 36,870.65	\$ 38,161.13	\$ 39,496.77	\$ 40,879.15	\$ 42,309.92	\$ 43,790.77	\$ 45,323.45	\$ 46,909.77	\$ 48,551.61	\$ 50,250.92	\$ 52,009.70	
POSTAGE	\$ 5,080.65	\$ 1,780.21	\$ 4,000.00	\$ 4,140.00	\$ 4,284.90	\$ 4,434.87	\$ 4,590.09	\$ 4,750.75	\$ 4,917.02	\$ 5,088.12	\$ 5,264.24	\$ 5,451.59	\$ 5,649.67	\$ 5,859.88	\$ 6,044.27	\$ 6,255.82	\$ 6,474.78	\$ 6,701.40	\$ 6,935.94	\$ 7,178.70	\$ 7,429.96	
LEGAL, ENGINEERING & PROFESSIONAL SERVICES	\$ 24,221.81	\$ 67,938.61	\$ 525,000.00	\$ 105,000.00	\$ 100,000.00	\$ 103,500.00	\$ 107,122.50	\$ 110,871.79	\$ 114,752.30	\$ 120,000.00	\$ 120,000.00	\$ 125,000.00	\$ 129,375.00	\$ 130,000.00	\$ 130,000.00	\$ 134,550.00	\$ 150,000.00	\$ 155,250.00	\$ 160,683.75	\$ 166,307.68	\$ 172,128.45	
AUDIT & BUDGET EXPENSE	\$ 12,500.00	\$ 12,500.00	\$ 7,700.00	\$ 7,969.50	\$ 8,248.43	\$ 8,537.13	\$ 8,835.93	\$ 9,145.18	\$ 9,465.27	\$ 9,796.55	\$ 10,139.43	\$ 10,494.31	\$ 10,861.61	\$ 11,241.77	\$ 11,635.23	\$ 12,042.46	\$ 12,463.95	\$ 12,900.19	\$ 13,351.69	\$ 13,819.00	\$ 14,302.67	
REPAIRS & MAINTENANCE	\$ 186,188.32	\$ 72,444.64	\$ 75,000.00	\$ 100,000.00	\$ 75,000.00	\$ 100,000.00	\$ 115,000.00	\$ 119,025.00	\$ 120,000.00	\$ 135,000.00	\$ 135,000.00	\$ 139,725.00	\$ 140,000.00	\$ 175,000.00	\$ 181,125.00	\$ 187,464.38	\$ 194,025.63	\$ 200,816.53	\$ 207,845.10	\$ 215,119.68	\$ 222,648.87	
VEHICLE EXPENSE	\$ 5,988.53	\$ 3,443.31	\$ 6,000.00	\$ 6,210.00	\$ 6,427.35	\$ 6,652.31	\$ 6,885.14	\$ 7,126.12	\$ 7,375.53	\$ 7,633.68	\$ 7,900.85	\$ 8,177.38	\$ 8,463.59	\$ 8,759.82	\$ 9,066.41	\$ 9,383.74	\$ 9,712.17	\$ 10,052.09	\$ 10,403.92	\$ 10,768.05	\$ 11,144.94	
RENTALS	\$ 360.00	\$ 2,379.75	\$ 2,500.00	\$ 2,678.50	\$ 2,867.06	\$ 3,067.79	\$ 3,280.81	\$ 3,506.22	\$ 3,743.10	\$ 3,992.02	\$ 4,253.24	\$ 4,527.50	\$ 4,814.92	\$ 5,115.67	\$ 5,436.92	\$ 5,779.89	\$ 6,145.74	\$ 6,536.82	\$ 6,952.25	\$ 7,394.14	\$ 7,861.57	
SHOP EXPENSE	\$ 5,863.40	\$ 4,852.84	\$ 7,300.00	\$ 7,555.50	\$ 7,819.94	\$ 8,093.64	\$ 8,376.92	\$ 8,670.11	\$ 8,973.56	\$												

Notes - Questions

- 1 CIP Phase I Design and Engineering Grant
- 2 CIP Phase I Capital Expense
- 3 Timing of CIP Phase II
- 4 When does principal and interest begin getting paid for SRF loan? 2026 repayment
- 5
- 6
- 7
- 8



Debt Service, \$/annual \$ 437,083.20

Paonia Remaining cash bal after 20 yrs & repay all loans

Loan Terms - CIP Phase II	
Interest Rate, annual	\$ 0.02
Years	\$ 20.00
# Payments	\$ 240.00
Year 1st Payment	2028
Loan Value	\$ 7,000,000.00
Debt Service, \$/month	\$ 35,411.83
Debt Service, \$/annual	\$ 424,942.00

Growth in Users:		2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042
Assumes that Moratorium is lifted in 2026 an initial new construction of 7 new in town users, and 7 new out of town users for Residential and commercial adds a new service a year in both categories. Estimates Growth in Out-of-Town Water Companies and assumes an overall growth rate of 20% over 20 years, or 5% growth every 5 years.																						
Number of Users		833	833	833	833	840	845	850	855	860	865	870	875	880	885	890	895	900	905	910	915	920
IN TOWN: RESIDENTIAL		133	133	133	133	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151
IN TOWN: COMMERCIAL		195	195	195	195	202	207	212	217	222	227	232	237	242	247	252	257	262	267	272	277	282
OUT OF TOWN: RESIDENTIAL		11	11	11	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
OUT OF TOWN: COMMERCIAL		426	426	426	426	454	463	472	478	483	488	493	497	501	505	507	509	511	513	513	513	513
WATER COMPANIES																						
TOTAL		1598	1598	1598	1598	1643	1664	1685	1703	1720	1737	1754	1770	1786	1802	1816	1830	1844	1858	1870	1882	1894

Total Amount Usage Charge per Year with Growth*		2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042
1-1,000 Gallons	\$ -	\$ 2.50	\$ 2.75	\$ 3.00	\$ 3.30	\$ 3.47	\$ 3.45	\$ 3.55	\$ 3.65	\$ 3.75	\$ 3.85	\$ 3.95	\$ 4.05	\$ 4.18	\$ 4.30	\$ 4.45	\$ 4.58	\$ 4.70	\$ 4.85	\$ 5.00	\$ 5.15	
	Percent difference yr./yr.	250%	10%	9%	10%	5%	0%	3%	3%	3%	3%	3%	3%	3%	3%	3%	3%	3%	3%	3%	3%	
1,000-3,000 Gallons	\$ 2.40	\$ 2.50	\$ 2.75	\$ 2.81	\$ 3.09	\$ 3.24	\$ 3.30	\$ 3.37	\$ 3.44	\$ 3.51	\$ 3.58	\$ 3.65	\$ 3.72	\$ 3.80	\$ 3.87	\$ 3.95	\$ 4.03	\$ 4.11	\$ 4.19	\$ 4.27	\$ 4.36	
	Percent difference yr./yr.	4%	10%	2%	10%	5%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	
3,000-10,000 Gallons	\$ 3.30	\$ 3.50	\$ 3.85	\$ 3.97	\$ 4.36	\$ 4.58	\$ 4.72	\$ 4.86	\$ 5.00	\$ 5.16	\$ 5.31	\$ 5.47	\$ 5.63	\$ 5.80	\$ 5.98	\$ 6.16	\$ 6.34	\$ 6.53	\$ 6.73	\$ 6.93	\$ 7.14	
	Percent difference yr./yr.	6%	10%	3%	10%	5%	3%	3%	3%	3%	3%	3%	3%	3%	3%	3%	3%	3%	3%	3%	3%	
10,000 - 25,000 Gallons	\$ 4.20	\$ 4.50	\$ 5.31	\$ 5.47	\$ 6.02	\$ 6.32	\$ 6.51	\$ 6.70	\$ 6.90	\$ 7.11	\$ 7.32	\$ 7.54	\$ 7.77	\$ 8.00	\$ 8.24	\$ 8.49	\$ 8.74	\$ 9.01	\$ 9.28	\$ 9.56	\$ 9.84	
	Percent difference yr./yr.	7%	18%	3%	10%	5%	3%	3%	3%	3%	3%	3%	3%	3%	3%	3%	3%	3%	3%	3%	3%	
25,000 - 50,000 Gallons	\$ 5.50	\$ 7.50	\$ 8.50	\$ 9.75	\$ 11.21	\$ 12.33	\$ 12.95	\$ 13.60	\$ 14.28	\$ 14.99	\$ 15.74	\$ 16.53	\$ 17.35	\$ 18.22	\$ 19.13	\$ 20.09	\$ 21.09	\$ 22.15	\$ 23.26	\$ 24.42	\$ 25.64	
	Percent difference yr./yr.	36%	13%	15%	15%	10%	5%	5%	5%	5%	5%	5%	5%	5%	5%	5%	5%	5%	5%	5%	5%	
50,000 - 75,000 Gallons	\$ 10.00	\$ 15.50	\$ 17.75	\$ 20.00	\$ 24.00	\$ 26.40	\$ 27.72	\$ 29.11	\$ 30.56	\$ 32.09	\$ 33.69	\$ 35.38	\$ 37.15	\$ 39.00	\$ 40.96	\$ 43.00	\$ 45.15	\$ 47.41	\$ 49.78	\$ 52.27	\$ 54.88	
	Percent difference yr./yr.	55%	15%	13%	20%	10%	5%	5%	5%	5%	5%	5%	5%	5%	5%	5%	5%	5%	5%	5%	5%	
75,000 - 100,000 Gallons	\$ 11.00	\$ 20.50	\$ 23.75	\$ 27.00	\$ 33.75	\$ 37.13	\$ 38.98	\$ 40.93	\$ 42.98	\$ 45.13	\$ 47.38	\$ 49.75	\$ 52.24	\$ 54.85	\$ 57.59	\$ 60.47	\$ 63.50	\$ 66.67	\$ 70.00	\$ 73.50	\$ 77.18	
	Percent difference yr./yr.	86%	16%	14%	25%	10%	5%	5%	5%	5%	5%	5%	5%	5%	5%	5%	5%	5%	5%	5%	5%	
100,000+ Gallons	\$ 12.00	\$ 20.50	\$ 24.00	\$ 28.00	\$ 37.80	\$ 41.58	\$ 43.66	\$ 45.84	\$ 48.13	\$ 50.54	\$ 53.07	\$ 55.72	\$ 58.51	\$ 61.43	\$ 64.50	\$ 67.73	\$ 71.12	\$ 74.67	\$ 78.41	\$ 82.33	\$ 86.44	
	Percent difference yr./yr.	73%	17%	17%	35%	10%	5%	5%	5%	5%	5%	5%	5%	5%	5%	5%	5%	5%	5%	5%	5%	
	Thousands of gallons*	60426	64026	65000	65000	65812.5	66635.2	67468.1	68311.4	69165.3	70029.9	70905.3	71791.6	72680.0	73597.6	74517.6	75449.0	76392.2	77347.1	78313.9	79292.8	80284.0
		\$ 355,633.60	\$ 599,488.24	\$ 700,768.64	\$ 790,319.38	\$ 988,556.11	\$ 1,094,212.66	\$ 1,159,154.99	\$ 1,229,036.22	\$ 1,303,172.19	\$ 1,381,826.05	\$ 1,465,277.32	\$ 1,553,822.99	\$ 1,647,778.57	\$ 1,747,747.75	\$ 1,853,734.29	\$ 1,966,480.28	\$ 2,085,933.70	\$ 2,212,608.98	\$ 2,347,337.50	\$ 2,490,323.01	\$ 2,642,078.09

106%
74%
104%
119%
242%
254%
276%
322%

*Assumes 1.25% growth every year beg. 2026



**TOWN OF PAONIA
BOARD OF TRUSTEES MEETING
STAFF REPORT**

AGENDA ITEM:	Agenda Item #6 - Consideration of Approval for Ordinance 07-2023 Sewer Rate Increases
SUBMITTED BY:	Stefen Wynn, Town Administrator
DATE:	12.6.2023
BACKGROUND:	<p>The FY-2024 Budget was predicated on the Board approving a rate structure that builds retained earnings for the Wastewater Utility. Due to tightening regulations from state and federal agencies, the Town may be required to retire the lagoon system and install a fully-mechanical plant. While I'm a supporter of lagoon systems, it is prudent to plan as if the Town will be forced to upgrade the treatment system. Preliminary costs for a mechanical plant are estimated at \$14.5MM and come with additional operational costs. Further, the Capital Improvement Plan completed by SGM in 2021, estimated that the sewer collections system has an approximately \$45MM cost to upgrade those pipes. The Town needs to budget more for depreciation and capital projects, and an increase is recommended.</p>
BUDGET:	Rate Increase Proposal: In Town Residential - \$2/user, \$57/month; In Town Commercial - \$2/user, \$62/month; Out of Town Residential & Commercial - \$5/user, \$65/month.
RECOMMENDATION:	<p>Recommended Motion:</p> <p>I move to approve Ordinance 07-2023.</p>
ATTACHMENT:	Attachment A: Ord. 07-2023

**STATE OF COLORADO
TOWN OF PAONIA, COLORADO**

ORDINANCE NO. 07-2023

AN ORDINANCE ESTABLISHING WASTEWATER/SEWER RATES AND CHARGES

WHEREAS, pursuant to the Water Activity Law, Title 37, Article 45.1, C.R.S., and Section 13-4-10 of the Paonia Municipal Code (“PMC” or “Code”), the Town of Paonia (“Town”) has established the Town Water and Sewer Enterprise (“Enterprise”) consisting of the Town's water and sanitary sewer facilities and properties, now owned or hereafter acquired, whether situated within or without the Town boundaries, including all present or future improvements, extensions, enlargements, betterments, replacements or additions thereof or thereto, with all of the authority, powers, rights, obligations and duties as may be provided or permitted by the Colorado Constitution, Water Activity Law, and as may be further prescribed by ordinance or resolution of the Town; and

WHEREAS, to maintain its enterprise status, the Enterprise must at all times and in all ways, conduct its affairs so as to continue to qualify as a "water activity enterprise" within the meaning of Section 37-45.1-102, C.R.S., and as an "enterprise" within the meaning of Article X, Section 20, of the State Constitution, including the inability to levy taxes to pay bonds or any other expenses of the Enterprise or water and sewer systems; and

WHEREAS, PMC § 13-5-230 authorizes the Board of Trustees (the “Board”) to establish by ordinance all wastewater/sewer rates and charges and the effective date of said rates and charges; and

WHEREAS, the Board has made a thorough review of its existing wastewater/sewer rates and charges; and

WHEREAS, in view of the above recitals, the Board finds that the rates levied for wastewater/sewer services must be calculated to meet the cost of providing wastewater/sewer services, including maintenance, capital reinvestment, and related debt service to avoid deficit spending, and therefore desires to adjust water rates and charges to offset such costs, as set forth below in this resolution.

NOW, THEREFORE, BE IT ORDAINED BY THE BOARD OF TRUSTEES OF THE TOWN OF PAONIA, COLORADO:

Section 1. Section 13-5-230 of the Paonia Municipal Code is hereby repealed in its entirety and replaced to read as follows:

Sec. 13-5-230. - Monthly wastewater/sewer service charge.

All wastewater/sewer service charges shall be established from time to time by ordinance of the Board of Trustees and notice of such charges shall be published in a newspaper of general circulation in the County to inform all users of such charges.

A copy of this Ordinance shall also be mailed to the owners of properties outside the boundaries of the Town of Paonia using the wastewater/sewer system at the last known address of said owners as shown in the records of the Town.

Section 2. Pursuant to Section 13-5-230 of the Paonia Municipal Code, as amended herein, the following wastewater/sewer rates are hereby adopted, and shall be charged by the Town of Paonia and paid by users for use of the Town’s wastewater/sewer systems:

A) Wastewater/Sewer Rate within the Town

The in-Town wastewater/sewer rate shall be increased by **two** dollars (**\$2.00**) from **fifty-five** dollars (**\$55.00**) to **fifty-seven** dollars (**\$57.00**) per month for each residential unit and increased by **two** dollars (**\$2.00**) from **sixty** dollars (**\$60.00**) to **sixty-two** dollars (**\$62.00**) per month for each commercial unit within the boundaries of the Town of Paonia.

B) Wastewater/Sewer Rate outside the Town

The out-of-Town wastewater/sewer rate shall be increased by **five** dollars (**\$5.00**) from **sixty** dollars (**\$60.00**) to **sixty-five** dollars (**\$65.00**) per month for each residential and commercial unit outside the boundaries of the Town of Paonia.

C) Wastewater/Sewer Standby Fee

The wastewater/sewer standby fee shall be increased by **five** dollars (**\$5.00**) from **fifty-five** dollars (**\$55.00**) to **sixty** dollars (**\$60.00**) per month for each unit.

D) Notice

1. Notice of the wastewater/sewer rates shall be given by publication of this Ordinance in a newspaper of general circulation in the County so as to inform all users of such changes.

2. A copy of this Ordinance shall also be mailed to the owners of properties outside the boundaries of the Town of Paonia using the wastewater/sewer system at the last known address of said owners as shown in the records of the Town.

E) Effective Date

The wastewater/sewer rates set forth herein shall become effective on January 1, 2024, to reflect on the first bill in February 2024.

INTRODUCED, READ, APPROVED, ADOPTED AND ORDERED TO BE PUBLISHED at a regular meeting of the Board of Trustees of the Town of Paonia, Colorado, on this 12th day of December 2023.

ATTEST:

Samira M. Vetter, Town Clerk

Mary Bachran, Mayor

Approved as to form and contents:

By: */s/ Nicolas Cotton-Baez*

Kelly PC, Town Attorney

RESOLUTION NO. 19-2023

A RESOLUTION SUMMARIZING EXPENDITURES AND REVENUES FOR EACH FUND AND ADOPTING A BUDGET FOR THE TOWN OF PAONIA, COLORADO, FOR THE CALENDAR YEAR BEGINNING THE FIRST DAY OF JANUARY 2024 AND ENDING THE LAST DAY OF DECEMBER 2024; APPROPRIATING MONIES TO PAY SUMS SET FORTH IN SUCH BUDGET; AND LEVYING GENERAL PROPERTY TAXES FOR THE TAXABLE YEAR 2024 TO HELP DEFRAY THE COSTS OF GOVERNMENT FOR THE 2024 BUDGET YEAR.

WHEREAS, the Board of Trustees for the Town of Paonia, Colorado, appointed Stefen Wynn, Town Administrator and Treasurer, to prepare and submit a proposed budget to the Board at the appropriate time; and

WHEREAS, Mr. Wynn has submitted a proposed budget to this Board for its consideration; and

WHEREAS, upon due and proper notice, published and posted in accordance with the law, the proposed budget was open for inspection by the public at a designated place, a public hearing was held on December 12, 2023, and interested taxpayers were given the opportunity to file or register objections; and

WHEREAS, the Board has made provision therein for the balance on hand and probable revenues equal to or greater than the total proposed expenditures as set forth in the draft budget, and

WHEREAS, it is not only required by law, but also necessary to appropriate the revenues provided in the budget to and for the purposes described below, so as not to impair the operations of the Town.

NOW, THEREFORE, BE IT RESOLVED BY THE BOARD OF TRUSTEES OF THE TOWN OF PAONIA:

Section 1. That estimated expenditures for each fund are as follows:

General Fund	\$ 3,225,518
Water Utility Fund	\$ 9,442,100
Wastewater Utility Fund	\$ 907,000
Sanitation (Solid Waste) Fund	\$ 321,500
<u>For a total of:</u>	<u>\$ 13,896,118</u>

Section 2. That estimated revenues and prior year surplus for each fund are as follows:

General Fund	\$ 3,679,872
Water Utility Fund	\$ 11,052,079
Wastewater Utility Fund	\$ 1,782,000
Sanitation (Solid Waste) Fund	\$ 456,214
<u>For a total of</u>	<u>\$ 16,970,165</u>

Section 3. That the budget as submitted and herein above summarized by fund, is hereby approved and adopted as the Budget of the Town of Paonia, Colorado, for the budget year 2024, and that the Budget as hereby approved and adopted, shall be signed by the Mayor and made part of the public records of the Town.

Section 4. That out of the estimated revenues to be derived from all sources, including prior year surpluses, as set forth in the 2024 budget as submitted and herein above summarized, to be received into the funds listed above, monies are hereby appropriated to each such fund to pay the expenditures estimated above for each such fund for the fiscal year beginning January 1, 2024.

Section 5. For the purpose of meeting all expenditures of the General Fund during the 2024 budget year, there is hereby levied a tax of 8.322 mills upon each dollar of the total valuation for assessment of all taxable property within the Town for the tax year 2024.

Section 6. The Town Administrator is hereby authorized and directed to immediately certify to the Board of County Commissioners of Delta County, Colorado, the gross mill levy, and the net mill levy for the Town of Paonia hereinabove determined and set.

PASSED AND ADOPTED this 12th day of December, 2023.

TOWN OF PAONIA, COLORADO

By: _____
Mary Bachran, Mayor

ATTEST:

Samira Vetter, Town Clerk

APPROVED AS TO FORM:

By: /s/ Nicolas Cotton-Baez
Kelly PC, Town Attorney



Adopted December, 12 2023

Annual Budget FY-2024

Includes 5-Year Capital Improvement Plan & Summary of Department Expenditures



TOWN OF PAONIA, COLORADO ANNUAL BUDGET FISCAL YEAR 2024

MAYOR

Mary Bachran

BOARD OF TRUSTEES

Dave Knutson, Mayor Pro-Tempore

Rick Stelter, Trustee

Paige Smith, Trustee

John Valentine, Trustee

Morgan MacInnis, Trustee

Kathy Swartz, Trustee

TOWN ADMINISTRATOR & TREASURER – Stefen A.B. Wynn, *M.P.A.*

TOWN CLERK – Samira Vetter

TOWN ATTORNEY – Nick Cotton – *Baez, Partner*

POLICE CHIEF – Matt Laiminger

PUBLIC WORKS DIRECTOR – Cory Heiniger

STAFF ACCOUNTANT – Amanda Mojarro

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12/5/2023

FY-2024 Budget Transmittal Letter

Honorable Mayor and Board of Trustees,

I'm pleased to present to you the FY-2024 Budget, which is the culmination of a process involving many hours of work by our incredibly dedicated Staff. The document that follows this letter includes revenues and expenditures necessary to maintain, or in some instances improve, the current levels of services offered to our Residents. In the upcoming fiscal year, there are many capital improvement projects planned that will be funded through a combination of General Fund Revenues, Grant Funding, and the majority of funding comes from a loan from the Drinking Water Revolving Fund.

The General Fund for the FY-2024 budget maintains the Town's existing property tax rate of 8.322 mills, as it has for the last decade, and is predominantly funded through the Town's Sales tax rate of 3%. This budget continues to fund a capital improvement plan through one-third of the collected revenue from the sales tax as required by Paonia's Municipal Code. This budget was created using conservative estimates for revenue forecasting and utilizes General Fund Reserves to fund several projects discussed in various departments' capital improvement plans.

This budget continues the trend started in FY-2023 by the Mayor and Board of Trustees through investment in employees' training. In each department there are new line items that are funded specifically for training and improving employees' abilities to efficiently complete their duties. This budget also includes a new full-time employee in the Public Works Department that will be expected to assist each division to providing excellent service to our Residents.

Through the Mayor and Board's decision, this budget also funds 100% of the increased cost for Health Insurance premiums for employees, and 60% of the increased cost for Health Insurance premiums for dependents. Even more, this budget continues to invest in employees by increasing the amount of Life Insurance to \$100,000 per employee. Further continuing investment in Town employees, this budget contemplates a 3% increase in base salary for all employees.

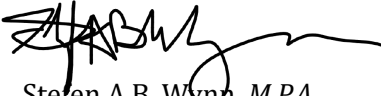
Approving an annual budget is the most important decision that an elected official makes for the community that they serve. Annual budgets determine staffing levels for providing Town Services, and funds equipment and supplies for operations. This budget serves as the primary planning document for the operation and management of the Town of Paonia.

The FY-2024 Budget plans significant investment in the Town's infrastructure, and due to increased investment, the revenue and expenditures are considerably higher than previous years. Funding capital improvement projects is dependent on raising utility rates in order to qualify for external sources of funding. This budget is predicated on Board approval for raising utility rates an appropriate amount to build enough of a reserve to pay back any loans.

The General Fund makes up \$3,679,872 of the revenue included in the FY-2024 budget, of which is allocated to five different departments. The total budget for the FY-2024 revenues is \$16,970,165; of which \$2,157,674 are from unappropriated surplus or reserve fund balance and \$14,812,491 from revenue sources, including a loan from the Drinking Water Revolving Fund. This budget has appropriated \$13,896,118 for expenditures in FY-2024, resulting in a projected net balance of revenues over expenditures in a positive \$3,074,047.

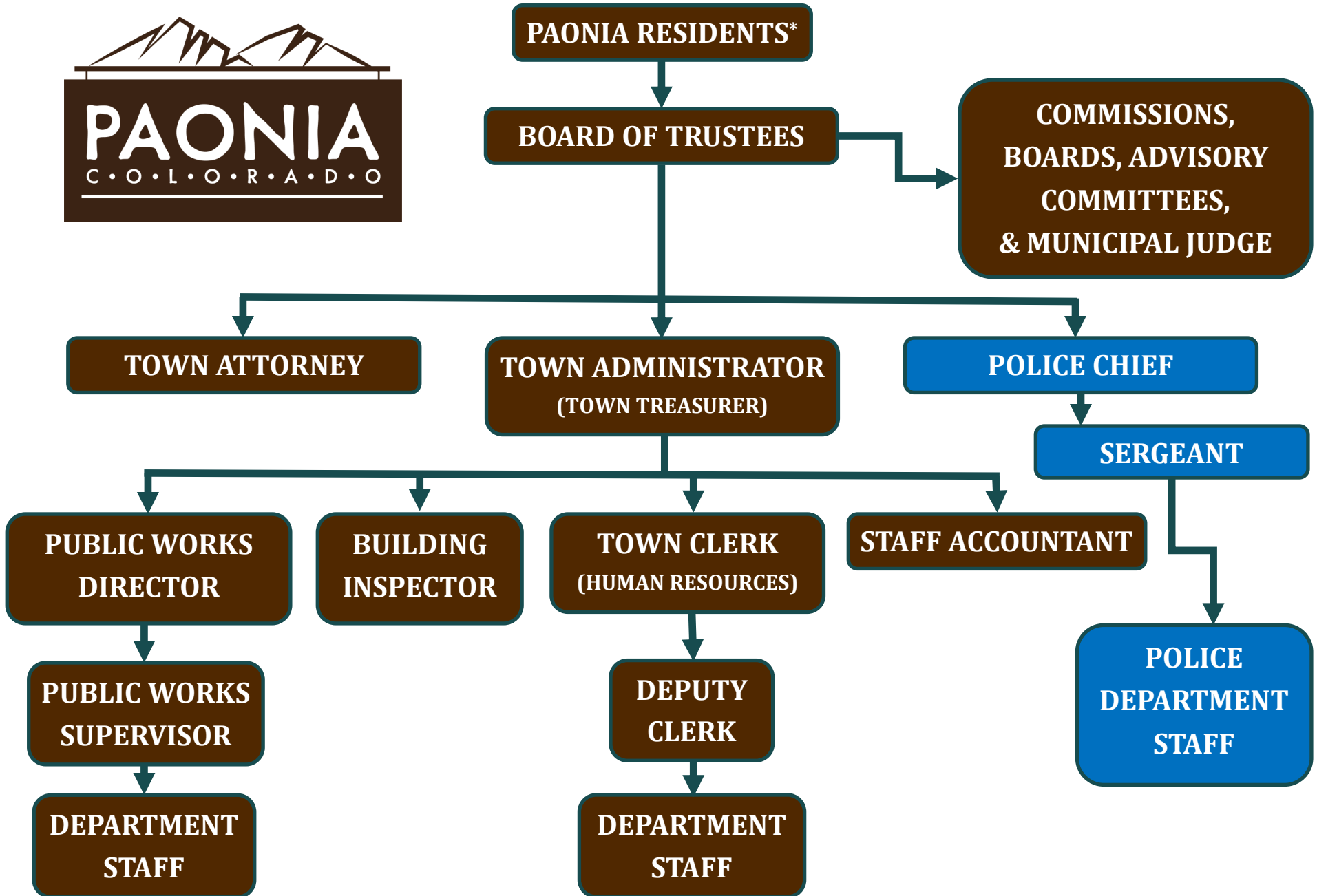
We believe that this budget is not only an accurate depiction of the cost to continue making progress on the Town's goal for the upcoming fiscal year, but also demonstrates a commitment to providing excellent services for the Residents of Paonia.

In Public Service,



Stefen A.B. Wynn, M.P.A.
ICMA-CM
Paonia Town Administrator
E: StefenW@TownofPaonia.com

Town of Paonia Organizational Chart



*Paonia Residents serve a crucial but *limited* role in the Town’s governance. The residents’ role is defined by Colorado Constitution and state and local laws, including, without limitation, those provisions concerning the election of candidates to municipal offices, the right to vote on matters involving municipal taxes and debt, the right to speak during public hearings, and with regard to legislative matters only, the powers of citizen initiative and referendum. This organizational chart is not intended, nor shall it be deemed, to grant or expand any rights to Paonia Residents above that required by the Colorado Constitution and applicable state and local laws, and specifically does not authorize Paonia Residents to direct Town officers or employees with respect to such employees’ or officers’ duties or job responsibilities.

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TOWN OF PAONIA, COLORADO

TOWN OVERVIEW

HISTORY

The Town of Paonia was organized under the 1877 laws of the State of Colorado and is located in Delta County. Paonia was incorporated, on July 21, 1902, by Delta County Court Order, following a successful election for incorporation held on July 14, 1902, in which 100 people voted for incorporation and 1 person voted against incorporation.



The Town of Paonia is a statutory town and is limited to exercising governing powers that are granted by the State of Colorado and are subject to provisions and limitations imposed by the state.

In 1902, Paonia was first incorporated as a Mayor – Council form of Government with a Board of Trustees serving as the “Council” and legislative body. The Mayor and Trustees are elected to staggered four-year terms. The Mayor and Board of Trustees passed Ordinance 2014-09, establishing the position of Town Administrator and enumerated the duties, and powers of the position to include all executive and administrative functions for the proper management of the Town.

The area encompassing what is now the Town of Paonia was first explored in 1853 by Captain John W. Gunnison of the United States Army. Captain Gunnison’s mission was to locate a suitable pass through the Rocky Mountains for the Topographical Engineers. The area was first inhabited by the Ute Indian Tribe until 1880, when the Ute Indian Reservation was closed by the Federal Government.

Following the closure of the reservation, the site itself was settled in 1880 by Samuel Wade and William Clark, who had traveled with Enos Hotchkiss from Ohio. The areas around Paonia have significant industries in ranching, mining, and orchard farming and vineyards. Paonia is naturally air conditioned by warm air flowing up the valley at night and cool air from the mountains during the day resulting in optimal conditions for growing cherries, apricots, grapes, peaches, plums, pears, nectarines, and apples.



The Town of Paonia is home to the North Fork Valley Creative Coalition (NFVCC), which is a thriving community of visionary artists, and creative businesses from Paonia, Hotchkiss and Crawford. The NFVCC manages Paonia’s Creative District which is a state-certified district in Colorado’s Creative Industries Creative District Program. The NFVCC hosts the following annual events for the Town of Paonia: Final Friday Frolics – a monthly art walk; the Mountain Harvest Festival; and the Holiday Art Fair. Paonia also hosts several other festivals, including: the Paonia Cherry Days Festival; Top ‘O the Rockies, BMW Rally; and Pickin’ in the Park.

Throughout much of Paonia’s history, the Town relied on Coal Mining as the major economic driver for the Town, and as the source of employment for many of its Residents. In 2013, the Elk Creek Mine in Somerset closed and 257 people were left unemployed. In 2016, another coal mine, the Bowie #2 mine shutdown, and an additional 102 jobs were lost. In 2023, it is the West Elk Mine (operated by Arch Coal), is the only fully operational mine left in the Paonia-area, and it has a finite supply of coal left to extract.

After the significant loss of jobs, families emigrating from Paonia, and the loss of billions of dollars of revenue from the closure of coal mines, the state of Colorado designated Paonia as a Disadvantaged Community (DAC). To qualify as a DAC, Paonia needs to meet certain criteria from the state, such as a population less than 10,000, and at least two economic factors. Paonia’s current (2023) Median Household Income (MHI) is \$53,646 and is lower than the state’s average of \$64,147. The current (2023) Median Home Value (MHV) is \$217,400 and is lower than the state’s average of \$397,500.

The Town experienced a catastrophic water loss crisis that began on February 14, 2019, and by February 18, 2019, the State of Colorado placed all Paonia water customers on a Boil Order. Later that day, the Town issued a local emergency declaration, and the drinking water supply was turned off. As a result of the emergency, a referendum was passed on January 7, 2020, through a special election, and the ban went into effect on January 27, 2020.



Beginning in FY-2024, the Town is implementing a 20-year improvement plan, funded in part through a loan from the Colorado’s Drinking Water Revolving Fund. The first phase of the plan focuses on meeting the criteria to lift the moratorium on water taps and making significant improvements to the existing water system. Paonia is making significant investments in its infrastructure over the next 20 years.

Lacking industrial development, the limited commercial district is primarily retail, with restaurants occupying a considerable percentage of the commercial base. The Town of Paonia is primarily a residential community. Through partnerships with the state and local non-profit organizations, and due to the Town’s proximity to incredible recreational opportunities, tourism is an industry that Paonia continues to encourage, and develop. The overall economic outlook for the Town continues to be stressed, but slightly improves as economic conditions change throughout Delta County, and the state of Colorado.

GENERAL BUDGETARY PRINCIPLES

The annual budget is the primary financial planning tool for the Town. It sets forth management’s estimate of available resources and describes the way in which those resources will be expended. Like any plan, the budget is carefully monitored throughout the year to identify and address material variances. Since no plan can accurately predict all future events, management must have sufficient flexibility to adjust during the year without altering the general intent of the Mayor and Board of Trustees as reflected in the adopted budget. The rules set forth below are intended to provide that control and flexibility.

- Formal budgetary integration is employed as a management control device during the year for the General Fund and Special Revenue Funds. Formal budgetary integration is not employed for Debt Service or Enterprise Funds.

- The Town maintains the legal level of budgetary control at the fund level in the General Fund and at the fund level for all other funds. Total expenditures for each fund may not exceed appropriations without approval by Council.

- The Town Treasurer is authorized to transfer budgeted amounts between accounts within a fund. At any time during the year, the Town Treasurer may transfer unencumbered appropriated balances among line items within one department, or between departments within the same fund, provided that such transfer does not exceed the total appropriation for that fund.

- In the event that uncontrollable circumstances cause deviations from the budget in an amount greater than that which can be remediated through line-item transfer, flexibility and relief are provided by budget amendment procedures as established by Colorado Statutes. These statutes give the Mayor and the Board of Trustees the authority to adopt a budget and modify it as necessary during the fiscal year.

- The Town also maintains an encumbrance accounting system to assist in budgetary control. At year-end, outstanding encumbrances are recorded as reservations of fund balance.

BUDGET PROCESS

The budget process begins as early as mid-August and ends in December with a Public Hearing to adopt the budget. Through a series of discussions, workshops, and public meetings, the Town’s level of service goals and anticipated revenues and expenditures for the next fiscal year are developed. Revenue is projected from historical data, estimates, and statistical trends available from Town records and outside sources. Expenditures are estimated based on cost analyses, expected needs, and historical data produced by the finance department. The budget process also produces the related Five-Year Capital Improvement Plan.

A summary of the timing and principal steps in the budget process is as follows:

<p>August - September</p>	<p>County Assessor certifies the total new assessed and actual values for real and personal property to the Town for use in computing the statutory and TABOR property tax revenue limits. The Town Administrator establishes service level goals and broad citywide objectives for the upcoming budget year. The Finance Department reviews and prepares the necessary forms and instructions and distributes them to the individual departments.</p>
<p>September - October</p>	<p>Town Administrator meets with Department Heads to review budget requests. Department Heads return budget requests to the Finance Department for review and compilation of preliminary budget document. Department Heads compile budgetary quotes for inclusion in the Capital Improvement Plan and review the existing plan for edits.</p>
<p>October - November</p>	<p>On October 15 (for CY-2023 and FY-2024), the Town Administrator must submit a proposed budget to the governing body and a notice of budget must be published upon receiving the proposed budget. Workshops, Public Hearings, and Drafts of the Budget are presented, discussed, and edited as necessary. Deadline for submitting applications to DOLA for an increase in levy are due the first of November.</p>
<p>December</p>	<p>The Mayor and Board of Trustees conduct a Public Hearing to consider approval and adoption of the budget, and certify a mill levy to be sent to Delta County.</p>

BUDGET NARRATIVE

The General Fund is used to account for the resources devoted to financing the general services that the Town provides for Residents and local businesses, such as police, building and zoning, maintenance of streets and roads, and other services. Property taxes, sales taxes, franchise fees, fines and other sources of revenue used to finance the fundamental operations of the Town are included in the General Fund. The General Fund is also charged with all the costs of operating the government for which a separate fund has not been established.

The financial resources of the General Fund are expended for current operations. Debt service and large capital projects are recorded in the Debt Service Fund and Capital Improvement Fund respectively. The Board of Trustees passed Ordinance 2018-02 requiring that 1% of the 3% sales tax be used as revenue for the Capital Improvement Fund. This budget follows the ordinance as codified in Paonia Municipal Code (PMC) §4-3-40, and one-third of the Town sales tax is budgeted for Capital Improvement Projects.

Adoption of an Annual Budget is a vital policy action of the Mayor and Town Board each year. The document allocates resources to Town programs and establishes priorities that protect our community’s physical security (police), enhance the quality of life (building, zoning, parks), and maintain and develop Town facilities and infrastructure. Once the Board adopts the budget, it establishes the policy direction for every Town department and the services that they will provide for the coming year.

The fiscal year 2024 (FY-2024) Budget includes fund balances that meet or exceed the long-range financial plan and position of the Town. The FY-2024 Budget is balanced for all funds. In this case, balanced means that sources of funds (Revenues and Fund Balance) are equal to or greater than uses of funds (Expenditures and Transfers).

SUMMARY OF FUNDS

<i>Sources of Funds</i>	\$14,812,491
<i>Uses of Funds</i>	\$13,896,118
<i>Budgeted FTE</i>	22

The Mayor and Board of Trustees directed Stefen Wynn, Town Administrator and Treasurer, to prepare and submit a proposed FY-2024 Budget to the governing body on or before October 15, 2023, for consideration of an annual appropriation of sums of money to the various funds. A final budget was prepared and submitted for Public Hearing at the December 12, 2023, Board Meeting for consideration of approval, in the amounts and for the purposes set forth by Resolution 19-2023.

This is a synopsis of key aspects of the FY-2024 Budget. The Town establishes a budget for eleven separate funds or accounting divisions and reports using modified accrual accounting. Town operation can be simplified to three major fund groupings: General Fund, Special Revenue Funds (Conservation Trust Fund, Sidewalk Fund), and Enterprise Funds. The largest fund in 2024 will be the Enterprise Fund, which provides a total of \$13,290,293,

and reflects the significant investment that the Town is making in infrastructure improvements. Most of the revenue generated in FY-2024 in Enterprise Funds is from loan proceeds from the State’s Drinking Water Revolving Fund. The General Fund makes up \$3,679,872 of the revenue that is allocated to five different departments. The total budget for the FY-2024 revenues is \$16,970,165; of which \$2,157,674 are from unappropriated surplus or reserve fund balance and \$14,812,491 from revenue sources. The Town of Paonia has appropriated \$13,896,118 for expenditures in FY-2024; therefore, the projected net balance of revenues over expenditures is a positive \$3,074,047.

This budget was prepared using the General Budgetary Guidelines discussed earlier, and was guided by the Town Board’s financial policies with the following budget principles:

- Balance the Budget (current revenues and current expenses) and maintain acceptable and required reserve levels.
- Makes decisions to significantly invest in the Town’s future by significantly improving the infrastructure in Town, but also creates a foundation for practical revenue collection to maintain a balanced budget in future years.
- Provide a high level of service quality within the limits of our current resources.
- Actual and forecasted 2023 revenues and expenditures.
- Future economic outlook.
- Board of Trustees Guiding Principles.
- A commitment to provide excellent services that are in the best interest of Residents.

TAX RATES

The Town’s property tax rate remains at 8.322 mills, as it has for the last decade. The Town’s sales tax rate is three percent, with one percent being restricted to the sales tax capital improvement fund. The three percent sales tax is the largest revenue source for the Town General Fund.

THE SALES TAX RATES COLLECTED IN PAONIA ARE AS FOLLOWS:

<i>State Sales Tax</i>	2.9%
<i>Delta County Sales Tax</i>	2%
<i>Paonia Sales Tax</i>	3%
<i>Delta County PSI</i>	0.8% <i>(Public Safety Improvements - Back the Badge)</i>
<i>Delta County HSD</i>	0.8% <i>(Health Services District)</i>
<i>Marijuana Occ. Tax</i>	\$5 <i>per transaction</i>

TOWN AMENITIES

In 2021, the Town completed an Asset Inventory and Capital Improvement Plan and has used that document to prioritize and plan projects. The Town has significantly invested in water system improvements and plans to continue investing in infrastructure beginning in FY-2024 and continuing for twenty years. Investments have been made across all Town amenities, including water, wastewater, roads, sidewalks, parks, public facilities, buildings, and sanitation. The Town has also invested in software to assist in improving service delivery to Residents. Continuing to invest in significant capital improvements will ensure that Paonia is affixed upon a firm foundation for resiliency and future development and growth.

WATER

Paonia operates a raw water collections, treatment and distribution system that serves Residents of the Town and distributes treated drinking water to private water companies. The Paonia Water System (PWS) serves Residents in Town and twenty-three private water companies outside of Town. The PWS infrastructure includes two water treatment facilities, Lamborn Water Treatment Plant (LWTP) and Clock Water Treatment Plant (CWTP). The CWTP has been offline and out of service since 2015 but has a one-million-gallon water storage tank that is also out of service. The LWTP is the only operating water treatment plant and has a two-million gallon treated water storage tank.

The Town currently contracts with an Operator in Responsible Charge, Benjamin R. Archuleta, and will continue to utilize third party services until current Town Staff achieve an appropriate licensure. The Town is in compliance with records retention requirements as outlined in §11.36 of Regulation No. 11 – Colorado Primary Drinking Water Regulations. All records pertaining to the operation and water quality of the Town are located at 214 Grand Avenue, Paonia, Colorado, 81428, and are available to the public during normal working hours.

In FY-2024, it is expected that the Town of Paonia will continue to operate under a self-imposed moratorium on new water taps. The moratorium was implemented in 2020 in response to a critical 2019 water-supply issue. The language of the moratorium requires confidence in the water system’s ability to serve additional users in order to lift the moratorium. Beginning in 2019, the Town has worked on phased capital improvement plans to ensure the water system, including the raw water, treatment, storage, and distribution are sufficiently robust to confidently support growth.

The following detail existing system facilities’ limitations that necessitate the proposed projects for FY-2024:

Raw Water Sources – Paonia currently collects water from spring systems flowing from Mt. Lamborn and Landsend Peak. This has been a consistent source of water for the Town since the establishment of the drinking water system. Problems that are seen in the spring system are many. Several of the springs do not have a successful containment of the spring and much

of the water bypasses their respective collection boxes. Many of the pipes from the collection boxes do not have metering which prevents the Town from understanding the potential of source water available. Much of the piping from collections to the Upper Lamborn water treatment plant and the lower Clock water treatment plant was laid without a vision for the future of those lines. Those lines were constructed to carry water to treatment but not designed for long-term success. It is especially important to improve the collection of the spring water and piping to the water treatment plants to provide the Town as much spring water as possible in drought years. Missing the collection of any of the spring water available to the Town through their designated water rights during a drought puts the Town in a situation where they may not have ample water to serve the residents and the paying water companies.

Treatment – Paonia’s raw water sources are classified as surface water or groundwater under the direct influence of surface water (GWUDI). Because of the GWUDI classification, both the Upper Lamborn and Clock water treatment plants employ filtration membranes to remove particulates from the raw water before the water is disinfected and sent to distribution. The Upper Lamborn water treatment plant (WTP) is the only plant currently in operation. The Clock WTP has sat idle since 2014 except for the water emergency that occurred in February 2019. This plant remains idle due to the repairs that are needed for the 1-MG tank that receives Clock WTP treated water before distribution. At the sanitary survey performed in April 2023, it was recommended that the Clock water treatment plant be fully inspected and operated to note any repairs required before putting into service for actual water treatment to be sent to distribution.

Finished Water Storage

- The Clock 1-MG finished water storage tank is not adequately sealed from outside animals and insects and is not in service.
- The Lamborn 2-MG finished water storage tank must be relined and repaired.
- Additional storage has been recommended in previous engineering reports.

Distribution

- From the Lamborn 2-MG finished-water storage tank, water is distributed into town via two 8-inch pipelines. The routing of these pipelines is referred to as the east and west loops. Along the west loop, an 8-inch steel line section and is proposed to be replaced with a 12” pipe size in this PNA. This line is critical to the overall distribution system. However, sections of this pipe are not adequately buried and has been a consistent source of leaks.
- Other distribution pipelines in the system range from 0.75-12” with materials consisting of steel, cast iron, ductile iron, PVC, or HDPE. Many of the pipelines in the

town are insufficiently sized, aging, and may not be buried at a sufficient depth to prevent freezing.

Significant improvements to the raw water collection, treatment and distribution systems are planned for FY-2024.

- 2-MG Tank Relining: Relining 2-MG finished water storage tank which will require first installing a temporary finished water tank to hold treated water while the 2-MG finished water tank is relined. Once the water can be sent to the temporary tank, relining will occur on the 2-MG tank. Engineering work will be led by SGM Engineering (SGM), with support by RESPEC.
- Distribution System Improvements: Replace 9,400 LF of 8” finished water steel pipe from the intersection of Lamborn Mesa Rd. and Steward Mesa Rd. to the northern end of Cresthaven Rd. where the pipe will connect to PRV 9. Work may also include relocating existing pressure reducing valves (PRV) in the impacted pressure zones. Engineering work to be completed by RESPEC.
- Raw Water Monitoring Improvements: Rehabilitate springs structures to increase/improve raw water intake as well as install meters on four raw water discharge locations. Engineering work to be completed by RESPEC.

WASTEWATER

The existing wastewater collection system receives wastewater from residential and commercial customers and conveys it to the Wastewater Treatment Plant (WWTP, Colorado Discharge Permit System Number C00047431). The collection system is entirely a gravity system, consisting of service laterals, manholes, and gravity sewer mains.

Collections

As restrictions from the State of Colorado and the National Environmental Protection Agency become tighter, the Town of Paonia will continue to meet compliance standards. According to the 2020 Asset Inventory and Capital Improvement Plan, the Wastewater collections system has an estimated future replacement cost of **\$45,338,563**. The FY-2024 Wastewater Utility Fund Budget and future budgets will need to begin collecting enough revenue to help offset the cost of implementing these improvements. The highest priority replacement cost in the wastewater collections system is replacing the Vitreous (Vitrified) Clay Pipe (VCP) at an estimated cost of **\$3,199,132**.

Treatment

Paonia’s current Wastewater Treatment Facility (WWTF) was constructed in 2005, and consists of a manual bar screen, two aerated lagoons, a settling/polishing pond, a serpentine chlorine contact chamber and a de-chlorination feature. Treated wastewater is discharged (effluent) to the North Fork of the Gunnison River.

Generally, the WWTF is in good shape. All the onsite buildings are in excellent shape. The only issue the Town will face is with the pending nutrient limitations. The Colorado Department of Public Health and Environment (CDPHE) has publicly stated that in-stream limits for total nitrogen (TN) and phosphorus will be implemented by 2027. The draft criteria and limits are not anticipated until 2026, but it is expected that the limits will be at least as stringent as the current limits for new domestic wastewater treatment plants in the current Regulation 85.

These limits are an annual median of 7 mg/L total inorganic nitrogen (TIN) and 0.7 mg/L phosphorous. Currently, the WWTF only has a nutrient discharge limit for ammonia. The WWTF has struggled to meet the ammonia limit during colder periods when the biological activity within the lagoons is reduced. Additional kinetic modeling will be necessary, but our experience suggests that the current lagoons have the capacity to effectively remove biological oxygen demand (BOD), total suspended solids (TSS), and to treat ammonia to the current limits depending on the reaction rate coefficient. The lagoons, however, are not suitable for additional nutrient removal. To effectively reduce the TN, the plant must nitrify the remaining ammonia in an aerobic environment and then denitrify the nitrite and nitrate to nitrogen gas in an anoxic environment. For phosphorous removal enhanced biological processes are necessary; these are not possible in a lagoon system. As legislation progresses Paonia will likely need to abandon the existing lagoons and replace the system with a mechanical plant that is capable of nutrient removal.

Planning for the possibility of replacing the existing lagoon facility with a fully mechanical plant that can achieve nutrient removal is a critical capital improvement that must be planned as soon as possible. As state and federal regulations become stricter, the Town may be faced with upgrading its existing facilities in order to become compliant. The cost for a fully mechanical plant is estimated to start at **\$13,891,933**. The FY-2024 Wastewater Utility Fund Budget and future budgets will need to begin collecting enough revenue to help offset the cost of implementing these improvements.

STREETS, ROADWAYS & SIDEWALKS

The Town’s Street and road system consists of mainly asphalt roadways with some gravel roads which are largely alleyways or short dead-end branches. The Town implemented a Sidewalk Replacement Fund with Ordinance 2014-09 (PMC §4-2-80) and began charging property owners \$3/month for sidewalk repairs.

The Town maintains roads within its boundaries which are:

- Intersection of 4th and Grand to the north.
- Intersection of Samuel Wade and Highway 133 to the west. Note: side streets between Highway 133 and the North Fork of the Gunnison River are the responsibilities of the County.

- Intersection of Mathews Lane and Niagara Ave, intersection of 1st St and Lamborn Mesa Rd, and the intersection of Colorado Ave and Meadowbrook Blvd to the South.
- Intersection of 7th St and Black Bridge Rd to the east.

The total street and road system consists of approximately 2.35 miles of asphalt roadways and 0.24 miles (1,275 feet) of concrete paved roadways. The Town has PASER Rated all town streets and sidewalks and has prepared a capital improvement plan for prioritizing improvements to the Towns roadways and sidewalks.

Construction on the 5th Street and Grand Avenue realignment (Safe Pathways for Paonia) project is scheduled to begin in FY-2024. The Town has received a Revitalizing Main Streets (RMS) Grant from the Colorado Department of Transportation to begin construction on the project. The Town will continue to work on the project with CDOT, Delta County and the Delta County School District to complete improvements. The total cost for this project is **\$1,040,774**.

In FY-2024, the Town plans to replace and repair deteriorating sidewalks with the Sidewalk Replacement Fund. Sidewalks on both sides of Grand Avenue from 3rd Street to 4th Street are scheduled to be replaced in FY-2024. This area is prioritized due to the significant roadwork being completed on the intersection of 5th Street and Grand Avenue. Should funds be available after Grand Avenue from 3rd to 4th Streets is completed, the next two prioritized sidewalk projects are both sides of Orchard Avenue from 3rd to 4th Streets; and both sides of Main from 1st and 2nd Streets.

PARKS, RECREATION & OPEN SPACES

Paonia operates a robust public park, recreation, and open spaces network. The public parks in Paonia are designed to support outdoor recreation activities (both active and passive) and community gatherings in Paonia. Some, like Town Park, are multiple acres and can accommodate a wide variety of activities. Others, like Poulos Park, are much smaller and provide space for people to gather and spend time outside.

Parks At a Glance	
Count:	6 public parks in Paonia
Total Acreage:	34.7 acres
Parkland per 1,000 Residents: (Town of Paonia)	10.2 acres (excludes area of Paonia River Park owned by WSCC)
Parkland per 1,000 Residents: (Typical Park & Recreation Agency)	5.2 (lower quartile) - 17.6 acres (upper quartile); 9.9 acres (median)
Data Source(s): Delta County Assessor; and, 2021 NRPA Agency Performance Review	

Summary of Parks

Park Name	Ownership	Size	Brief Description
<p>Town Park (700 4th Street)</p>	<p>Town of Paonia</p>	<p>3 acres</p>	<p>Paonia’s Town Park is one of the community’s highlights. Towering trees, pink peonies, and grassy areas invite users to relax and enjoy the park. The park serves as a venue for many of Paonia’s community events including Cherry Days, Pickin’ in the Park, and the annual BMW Rally.</p>
<p>Apple Valley Park (45 Pan American Ave)</p>	<p>Town of Paonia</p>	<p>6.62 acres</p>	<p>A large park located along Minnesota Creek that offers a number of amenities including playground equipment, seasonal restrooms, tennis/pickleball courts with lights, a looped walking path with exercise stations, disc/frisbee golf features, and a picnic shelter. Given its proximity to Minnesota Creek, Apple Valley Park has been designed to mitigate flooding of the creek.</p> <p>The parking lot for Apple Valley Park serves park users, as well as users of the Jumbo Mountain trail system.</p>
<p>Poulos Park (221 Grand Ave)</p>	<p>Town of Paonia</p>	<p>0.1 acres</p>	<p>A small park that serves as a great spot to stop for a rest while enjoying the shops, restaurants, and galleries of downtown Paonia. Recently, Poulos Park has served as a venue for local concerts hosted by Pickin’ in the Park.</p>
<p>Paonia Library Park (No Street Address)</p>	<p>Town of Paonia</p>	<p>0.41 acres</p>	<p>A small park space located on the north side of the Paonia Library. The park is owned by the Town of Paonia and leased to the Delta County Library District. The park offers a looped walking path, shade structures, and outdoor seating areas.</p>
<p>Lee’s Park (No Street Address)</p>	<p>Floyd Lee</p>	<p>0.08 acres</p>	<p>A small, privately-owned park that is maintained by the town. Lees Park is intended to be a town-owned park but the property has yet to be conveyed to the Town of Paonia.</p> <p>The park offers a limited number of amenities, including a swing set, merry-go-round, picnic tables, and shade trees.</p>
<p>Paonia River Park (700/759 Shady Lane)</p>	<p>Western Slope Conservation Center & Town of Paonia</p>	<p>19.76 acres (WSCC owned) 4.73 acres (town-owned)</p>	<p>A large park along the North Fork of the Gunnison River that comprises properties owned by the Western Slope Conservation Center (WSCC) and the Town of Paonia. The park is located outside of the town’s boundaries.</p> <p>The town and WSCC have a Memorandum of Understanding (MOU) for the management and maintenance of the River Park.</p> <p>The park offers public access to, and along, the North Fork of the Gunnison River, as well as a walking path, river overlooks, a shaded seating area, and informational signage.</p>
			<p>Data Source(s): Town of Paonia and Delta County Assessor</p>

The Town is continuing to invest in improvements to its parks and trail networks. In FY-2024, renovations are planned to the Town Park restrooms and includes: installation of new bathroom stalls/partitions; framing a ceiling; demolition of old cinder block partitions; build walls to match current cinder block walls, install metal 36" wide doors in both bathrooms and install a finished tin surface to match interior stalls; resurface floors with epoxy paint; installation of new bathroom hardware/fixtures (toilets, paper towel dispensers, soap dispensers, hand dryers, sinks, water fountain); installing new LED can-lighting in bathrooms and maintenance room; installing new light fixtures on exterior of restroom facility; install new wiring based on 100amp box; and installing new drywall and painting. The estimated cost for these renovations is \$42,334. Funds for the renovations are budgeted from leftover Colorado Grand grant funds of \$15,70.48 and the balance from Conservation Trust Fund revenues.

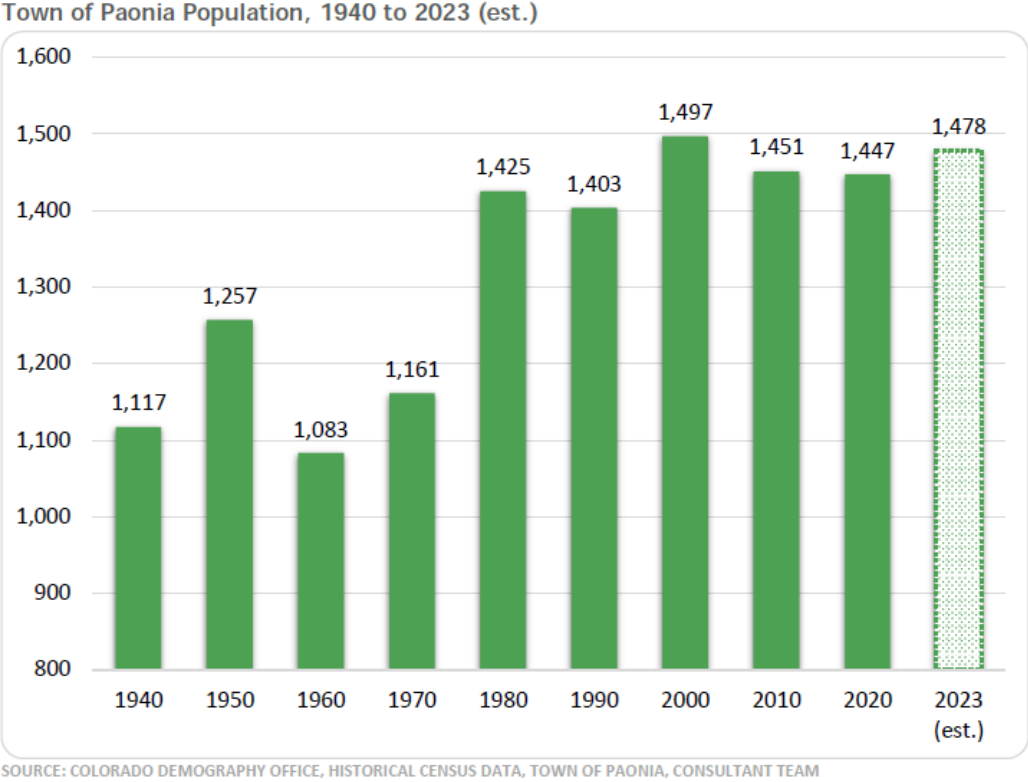
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LOCAL DEMOGRAPHICS

Information in this section is from a 2023 Housing Needs Assessment conducted by UrbanRuralContinuum and funded in part from the Colorado Department of Local Affairs.

Population

An estimated 1,478 residents live in the Town of Paonia in 2023, an increase of about 30 residents since 2010. Despite the recent uptick, the population has changed very little since 1980, although there have been population fluctuations between decades with ebbs and flows of the local economy, especially natural resource extraction activity (e.g., the increase and decrease from 1980 to 1987). Today’s population is almost identical to the Town’s population in 1987 (1,471), 1998 (1,475) and 2005 (1,472).



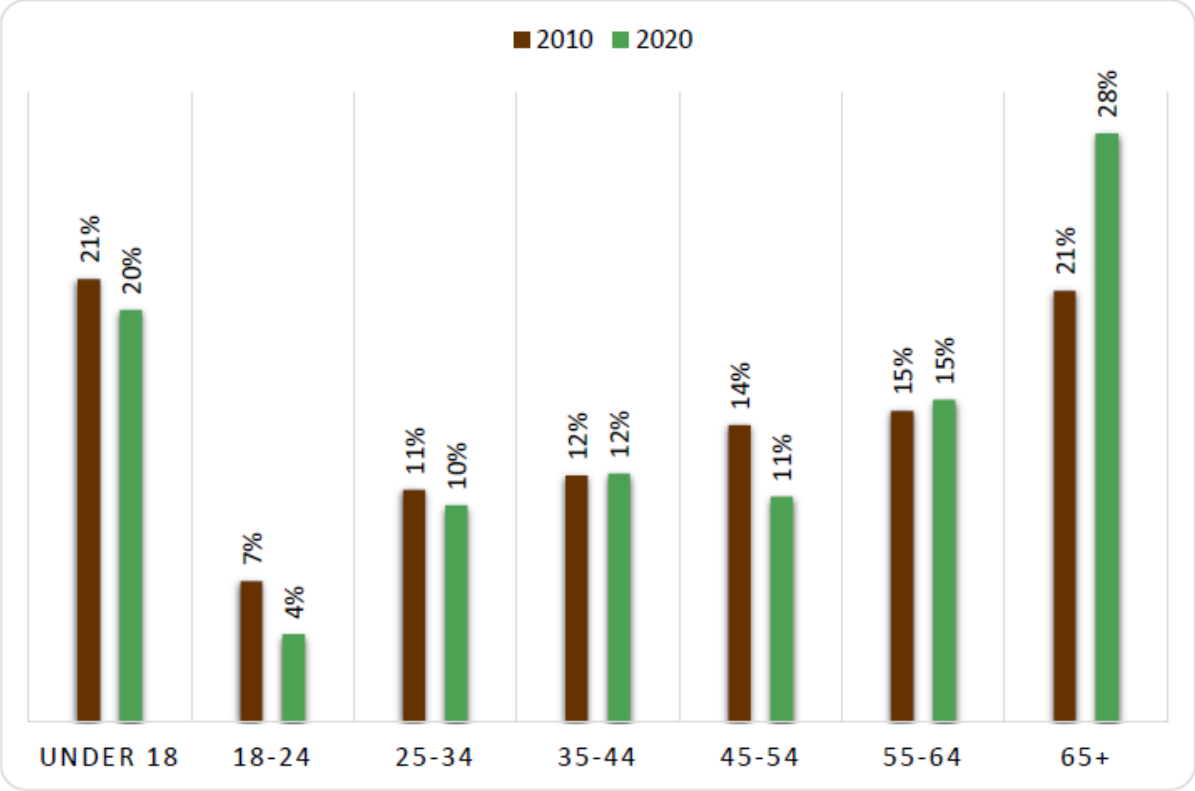
While the Town’s population was basically the same in 2020 as 2010, the population of the Paonia CCD excluding the Town of Paonia declined by about 2% over the decade to roughly 2,500 residents. In contrast, Delta County grew by 0.6% per year on average from 2010 to 2020 due to positive net migration rather than natural increase (deaths outpaced births in the county).

Age

The Town’s population is aging, with two of five (43%) residents aged 55 or older; this is significantly higher than that of Colorado where only 27% of residents are that age. The share of residents aged 65 and over increased by about 7 percentage points from 2010 to

2020, but otherwise the distribution of Paonia residents by age has changed little since 2010 and is similar to that of Delta County. It is important to ensure seniors, many of whom are long-time valley residents, can safely age in place.

Town of Paonia Age Distribution, 2010 to 2020



SOURCE: U.S. CENSUS BUREAU, CENSUS 2010 AND 2020

The aging of the population is pronounced. The median age of residents was 41 in 2000, 44 in 2010, and 49 in 2020. This same trend is occurring in Delta County at large, which is in sharp contrast to the much younger median age of 37 in the State of Colorado.

The age of residents is important to the local economy. The share of residents who are part of the prime age workforce, those aged 25 to 54, has declined from 37% in 2010 to 33% in 2020. A decline in this age cohort coupled with an increase in seniors creates a challenging economic environment. Retired seniors consume local goods and services, which requires a large enough workforce to support their needs. Local employers report difficulty recruiting and retaining workers, which aligns with fewer people in the community of prime working age and a very low unemployment rate (see Section B – Employment for more details).

The Paonia CCD excluding the Town of Paonia is also aging. Just under half (48%) of residents in this part of the valley are aged 55+, a much higher share of residents than in 2000 (29%) and 2010 (40%).

Household Income

Household income in the Town of Paonia is similar to that of Delta County, lower than the broader Paonia area (Paonia CCD), and significantly lower than Colorado as a whole. The median income of the Paonia CCD is 24% higher than in the Town of Paonia. An understanding of how much local households earn through wages or other income sources is important to determine the availability and need for housing at various price points.

Household Income, 2021 [1]

	Town of Paonia	Paonia CCD	Delta County	State of Colorado
Median	\$53,646	\$66,646	\$51,803	\$80,184
Average	\$72,552	\$79,600	\$72,549	\$107,446

[1] 2021 inflation-adjusted dollars
 SOURCE: U.S. CENSUS BUREAU, AMERICAN COMMUNITY SURVEY 2017-2021 5-YEAR ESTIMATES

Types of Jobs and Wages

Employment in the Town of Paonia is concentrated in sectors like education; arts, entertainment, and recreation; social assistance; and food and other services. Many local businesses and employers benefit directly or indirectly from seasonal visitation and there is a seasonal increase in employment in the summer and fall.

Local employers completing the 2023 employer questionnaire confirmed this seasonal employment uptick, noting that a large share of their seasonal employees live in the area year-round.

- Respondents indicated that 86% of their seasonal or part-year employees work during the summer or harvest season.
- Respondents indicated that at least 60% of seasonal or part-year employees live in the area year-round.

Spending by visitors to the area provides a revenue boost that helps sustain many local businesses over the slower winter months. The closure of Highway 133 in the spring/early summer of 2023 precluded typical visitation patterns for months, which adversely impacted local businesses prior to it reopening in June 2023. This is indicative of the local area’s reliance on spending by tourists and those traveling through the area. The local economy is also tied to the hundreds of well-paying mining and wholesale trade jobs at the West Elk Mine in Gunnison County.

The average annual wages in Delta County in 2016 and 2022 shows that jobs in retail, arts and entertainment, and the food services sectors are the lowest paying on average, which makes housing affordability a serious struggle for many local employees working such jobs.

Delta County Average Annual Wage and Change, 2016 to 2022 (sorted 2022 high to low)

	2016	2022	Average Annual % Change [2]
Management of Companies and Enterprises	\$57,824	\$76,856	4.9%
Utilities	\$56,784	\$71,864	4.0%
Finance and Insurance	\$44,408	\$62,764	5.9%
Mining [1]	\$73,684	\$60,476	-3.2%
Professional and Technical Services	\$37,596	\$55,952	6.9%
Real Estate and Rental and Leasing	\$35,308	\$52,312	6.8%
Construction	\$42,640	\$51,064	3.1%
Health Care and Social Assistance	\$34,372	\$49,920	6.4%
Public Administration	\$42,536	\$49,192	2.5%
Wholesale Trade [1]	\$40,768	\$47,840	2.7%
Information	\$32,760	\$47,112	6.2%
Transportation and Warehousing	\$38,792	\$46,384	3.0%
Manufacturing	\$35,360	\$44,564	3.9%
Administrative and Waste Services	\$28,288	\$41,236	6.5%
Agriculture, Forestry, Fishing & Hunting	\$28,704	\$41,184	6.2%
Other Services, Ex. Public Admin	\$30,420	\$37,804	3.7%
Retail Trade	\$26,156	\$34,424	4.7%
Accommodation and Food Services	\$13,884	\$21,060	7.2%
Arts, Entertainment, and Recreation	\$20,124	\$19,500	-0.5%

[1] Many mining and wholesale trade jobs associated with the Paonia economy are located in Gunnison County, which had an average annual wage in Q4 2022 of \$106,714 and \$65,867, respectively.

[2] Represents the compound annual growth rate.

Note: data for "Educational Services" is suppressed in 2016 and 2022, along with "Unclassified" in 2016 and therefore not reported. Annual wage is calculated as average weekly wage multiplied by 52 weeks per year.

SOURCE: COLORADO DEPARTMENT OF LABOR AND EMPLOYMENT, LMI GATEWAY (QCEW DATA), CONSULTANT TEAM

Wages in all but two sectors above increased from 2016 to 2022. Annual wages in the mining sector and arts, entertainment, and recreation decreased by 3.2% and 0.5% per year on average.

The average annual pay for all industries increased by 4.6% per year on average from 2016 to 2022 to just under \$44,000 per year in 2022.

Although wages have increased over time, projections indicate that most household growth through 2028 will be among households earning \$125,000 or more per year. This is a very high income for local households, even those with two earners, and points to the continued inflow of retirees and those earning money from outside the local area.

**TOWN OF PAONIA, COLORADO
NOTICE OF PUBLIC HEARING**

NOTICE is hereby given that the Town of Paonia Board of Trustees will hold a Public Hearing at 6:30 pm on Tuesday, December 12, 2023 at the Paonia Town Hall, 214 Grand Avenue, Paonia, CO 81428.

The purpose of the Public Hearing will be to accept the Fiscal Year 2024 Proposed Budget.

Any person may appear at the Public Hearing and be heard regarding the matters under consideration. For further information concerning the Public Hearing, please contact the Town Clerk at 970-527-4101 during regular business hours.

Dated the 17th day of November 2023.

TOWN OF PAONIA, COLORADO

Samira M Vetter
Town Clerk
Published Wednesday, November 22, 29, December 6, 2023

**TOWN OF PAONIA, COLORADO
NOTICE OF PUBLIC HEARING**

NOTICE is hereby given that the Town of Paonia Board of Trustees will hold a Public Hearing at 6:30 pm on Tuesday, December 12, 2023, at the Paonia Town Hall, 214 Grand Avenue, Paonia, CO 81428.

The purpose of the Public Hearing will be to adopt a Mill Levy for the 2024 Fiscal Year.

Any person may appear at the Public Hearing and be heard regarding the matters under consideration. For further information concerning the Public Hearing, please contact the Town Clerk at 970-527-4101 during regular business hours.

Dated the 17th day of November 2023.

TOWN OF PAONIA, COLORADO
Samira M Vetter
Town Clerk

Published Wednesday, November 22, 29, December 6, 2023

TOWN OF PAONIA
2024
GENERAL FUND REVENUE

FY-2024 PAONIA ADOPTED BUDGET

ACCOUNT	DESCRIPTION	ADOPTED FY-2024 BUDGET
General Fund		
10-31-01	PROPERTY TAXES	\$ 195,000.00
10-31-02	S.O. AUTO TAXES	\$ 21,000.00
10-31-03	SALES TAX - TOWN	\$ 785,000.00
10-31-04	SALES TAX - COUNTY	\$ 260,000.00
10-31-05	SALES TAX - STATE MARIJUANA	\$ 52,000.00
10-31-06	CIGARETTE TAX	\$ 1,500.00
10-31-07	FRANCHISE TAX	\$ 45,000.00
10-31-08	PENALTY & INTEREST	\$ 200.00
10-31-09	DELINQUENT TAX	\$ -
10-31-10	ABATEMENTS	\$ -
10-31-11	MARIJUANA OCCUPATIONAL TAX (Transaction Fee)	\$ 132,000.00
	Subgroup : TAXES	\$ 1,491,700.00
General Fund		
10-32-01	LIQUOR LICENSES	\$ 2,750.00
10-32-02	MISCELLANEOUS PERMITS	\$ 2,500.00
10-32-03	BUILDING PERMITS	\$ 26,000.00
10-32-04	SPECIAL REVIEWS	\$ 1,000.00
10-32-05	ZONING VERIFICATION & ADMINISTRATIVE REVIEWS	\$ 1,000.00
10-32-06	VIN INSPECTIONS	\$ 2,200.00
10-32-07	PRE-APPLICATION MEETINGS	\$ 1,000.00
10-32-09	SIDEWALK FEE	\$ 30,000.00
10-32-10	MARIJUANA LICENSING FEE	\$ 9,000.00
	Subgroup : LICENSES, PERMITS & FEES	\$ 75,450.00
General Fund		
10-33-01	HIGHWAY USER TAX	\$ 56,000.00
10-33-02	MOTOR VEHICLE - \$1.50	\$ 1,500.00
10-33-03	MOTOR VEHICLE - \$2.50	\$ 3,500.00
10-33-07	SEVERANCE TAX	\$ 5,500.00
10-33-08	MINERAL LEASING	\$ 16,000.00
10-33-09	CONSERVATION TRUST FUND	\$ 9,250.00
10-33-10	ROAD & BRIDGE	\$ 10,000.00
	Subgroup : INTERGOVERNMENTAL REVENUES	\$ 101,750.00
General Fund		
10-34-01	COURT FINES	\$ 100.00
10-34-02	POLICE FINES	\$ 2,500.00
10-34-03	MISCELLANEOUS FINES - BONDS	\$ 100.00
10-34-04	OTHER AGENCY CONTRIBUTIONS - PD	\$ -
10-34-05	DOG TAGS	\$ 100.00
10-34-06	CODE ENFORCEMENT VIOLATIONS	\$ 2,500.00
10-34-10	LAW ENFORCEMENT COST ALLOCATION	\$ -
10-34-50	PD GRANT	\$ 4,000.00
	Subgroup : FINES AND FORFEITURES	\$ 9,300.00

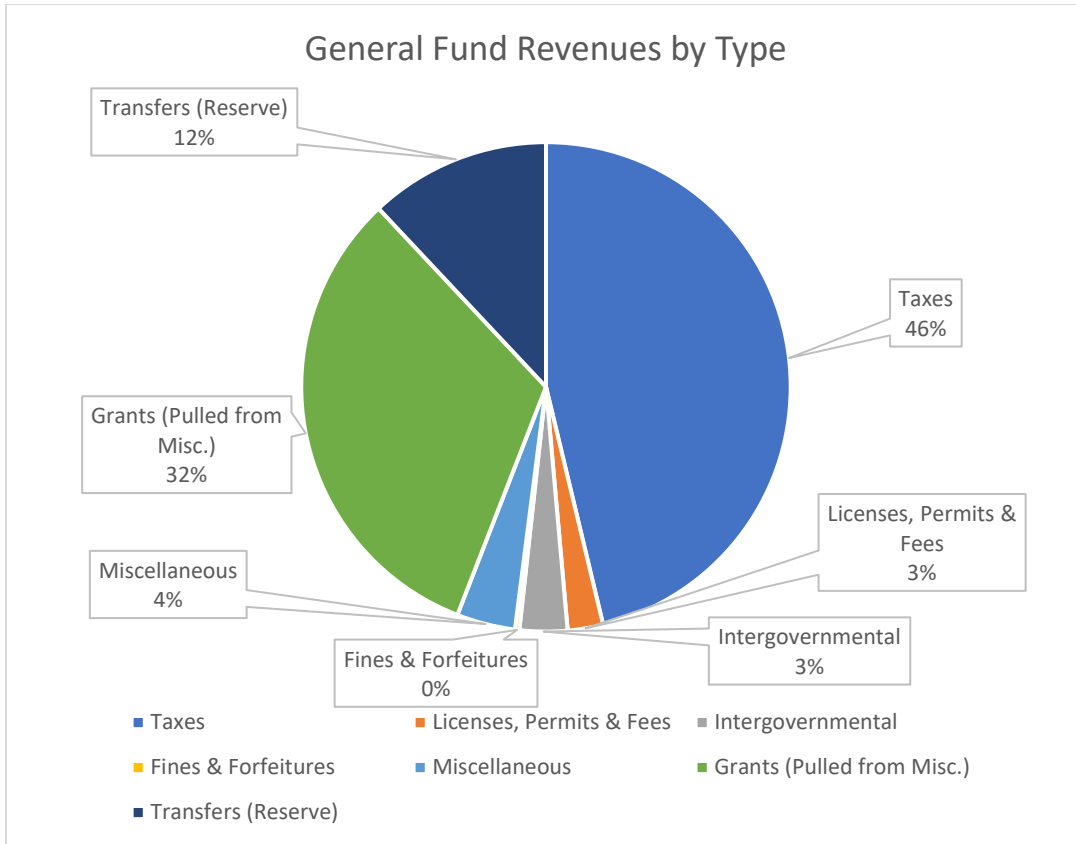
FY-2024 PAONIA ADOPTED BUDGET

General Fund			
10-35-01	RENTS & ROYALTIES	\$	3,600.00
10-35-02	MOTOR FUEL TAX REFUNDS	\$	-
10-35-03	LATE CHARGES	\$	-
10-35-04	INTEREST INCOME	\$	115,000.00
10-35-06	OTHER INCOME	\$	100.00
10-35-07	INSURANCE PROCEEDS	\$	-
10-35-09	PARK DONATIONS	\$	-
10-35-10	OTHER AGENCY CONTRIBUTIONS	\$	-
10-35-13	BRIDGE RESERVE	\$	-
10-35-15	REFUND OF EXPENDITURES	\$	1,000.00
10-35-16	RESTITUTION	\$	5,200.00
10-35-18	SALES OF ASSETS	\$	-
10-35-20	GRANT REVENUE	\$	1,035,592.00
	Subgroup : MISCELLANEOUS REVENUES	\$	1,160,492.00
General Fund			
10-39-99	TRANSFER REVENUE	\$	386,826.00
	Subgroup : TRANSFERS	\$	386,826.00
General Fund			
	TOTAL GENERAL FUND REVENUES	\$	3,225,518.00
General Fund			
	NET SURPLUS (DEFICIT) - General Fund	\$	-

TOWN OF PAONIA

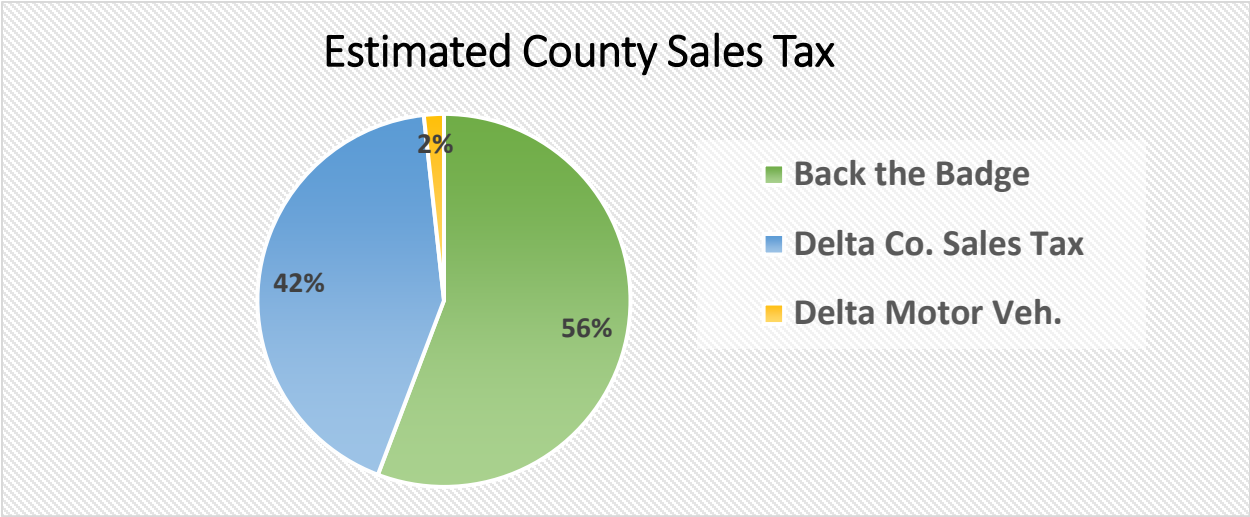
2024

GENERAL FUND REVENUE



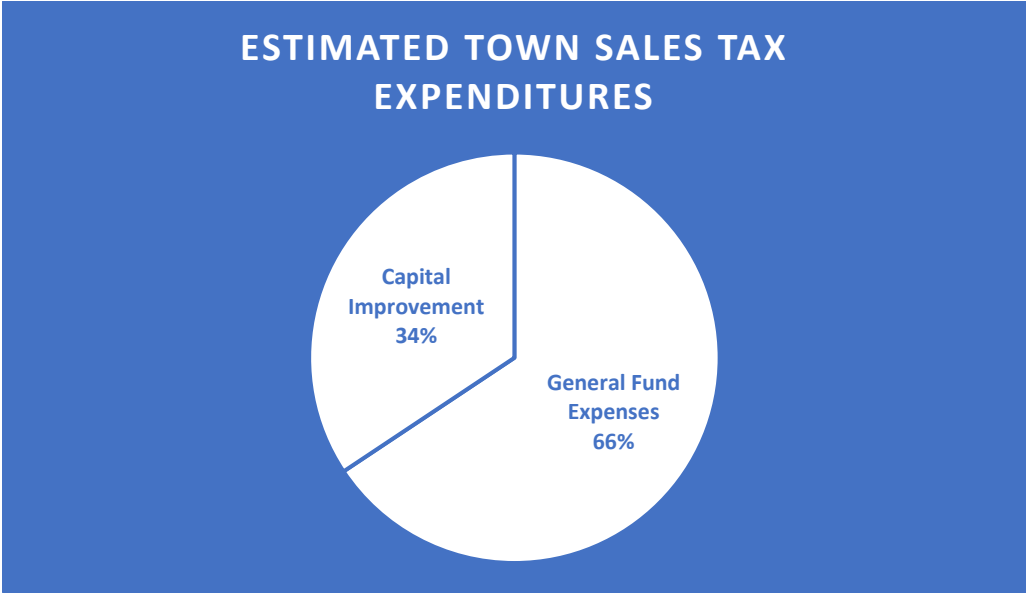
General Fund Revenue by Type	
<i>Taxes</i>	\$ 1,491,700.00
<i>Licenses, Permits & Fees</i>	\$ 75,450.00
<i>Intergovernmental</i>	\$ 101,750.00
<i>Fines & Forfeitures</i>	\$ 9,300.00
<i>Miscellaneous</i>	\$ 124,900.00
<i>Grants (Pulled from Misc.)</i>	\$ 1,035,592.00
<i>Transfers (Reserve)</i>	\$ 386,826.00
Total:	\$ 3,225,518.00

TOWN OF PAONIA
2024
GENERAL FUND REVENUE



Estimated County Sales Tax	
<i>Back the Badge</i>	\$ 145,000.00
<i>Delta Co. Sales Tax</i>	\$ 110,500.00
<i>Delta Motor Veh.</i>	\$ 4,500.00
Total:	\$ 260,000.00

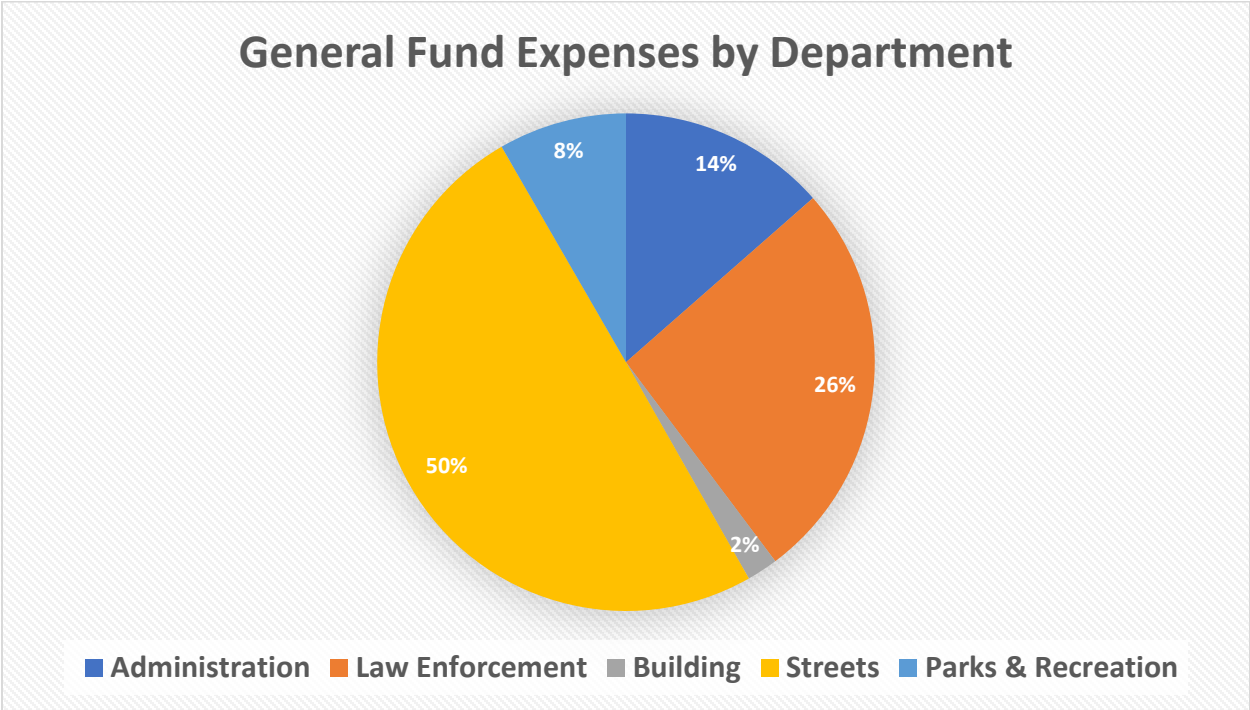
TOWN OF PAONIA
2024
GENERAL FUND REVENUE



Estimated Town Sales Tax	
<i>General Fund Expenses</i>	\$ 510,250.00
<i>Capital Improvement</i>	\$ 266,900.00
Total:	\$ 785,000.00

TOWN OF PAONIA
2024
GENERAL FUND EXPENDITURES

TOWN OF PAONIA 2024 GENERAL FUND EXPENDITURES

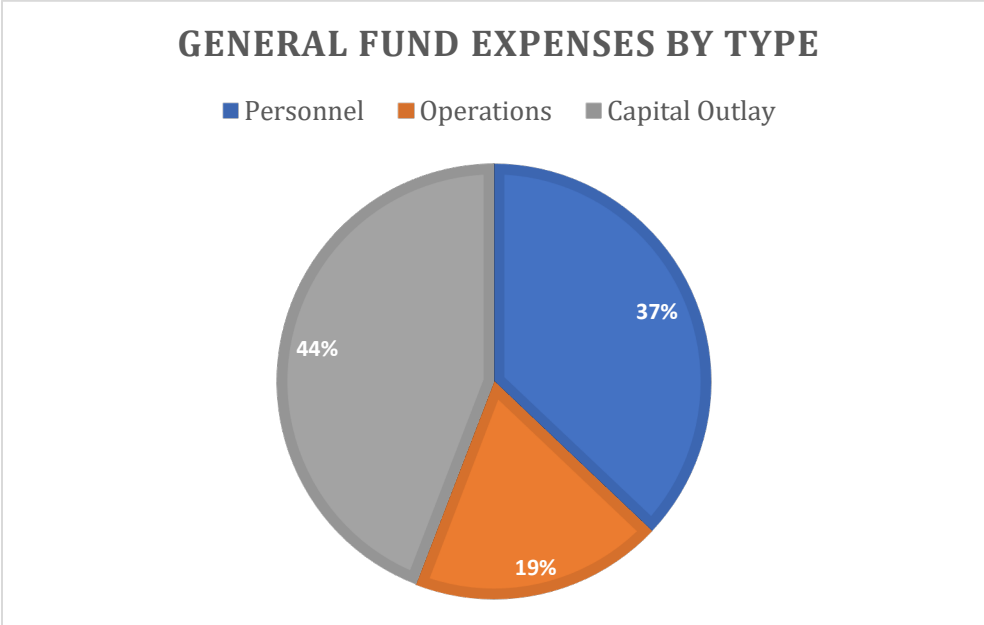


General Fund Expenses by Department	
<i>Administration</i>	\$ 425,982.00
<i>Law Enforcement</i>	\$ 825,130.00
<i>Building</i>	\$ 63,600.00
<i>Streets</i>	\$ 1,569,980.00
<i>Parks & Recreation</i>	\$ 262,234.00
<i>NFV Airport</i>	\$ 78,592.00
Total:	\$ 3,225,518.00

TOWN OF PAONIA

2024

GENERAL FUND EXPENDITURES



General Fund Expenses by Type	
<i>Personnel</i>	\$ 1,195,562.00
<i>Operations</i>	\$ 605,850.00
<i>Capital Outlay</i>	\$ 1,424,106.00
Total:	\$ 3,225,518.00

TOWN OF PAONIA

2024

ADMINISTRATION DEPARTMENT

MISSION The Town of Paonia, Administration Department, ensures that the effective and efficient management of Town Departments including the proper management of Town finances, accounts, and funds. The Administration Department also safeguards the peace, health, and welfare of Residents through the enforcement of the Town’s Code of Ordinances. The Mayor and the Board of Trustees are also found within the Administration Department, and they are responsible for the Legislative Duties of the Town. The Administration Department for purposes of the Budget are made up of the Town Administrator’s Office, the Finance Office, the Clerk’s Office, the Town Attorney’s Office, and the Mayor and Board of Trustees.

STAFFING TABLE

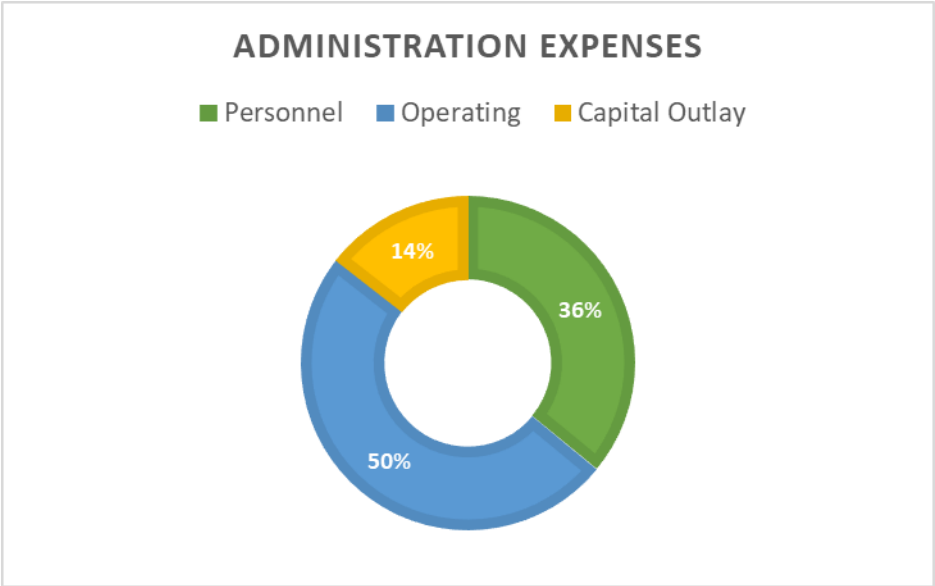
<u>Type of Employee</u>	<u>2023</u>	<u>2024</u>	<u>Change</u>
Full Time Non-Exempt	1	1	0
Full Time Exempt	3	3	0
Part Time Non-Exempt	1	1	0
Elected Officials	7	7	0
<u>Total</u>	<u>11</u>	<u>11</u>	<u>0</u>

MAJOR GOALS AND CHANGES

1. 1,040 Hours are budgeted for the Part Time Non-Exempt position, the current employee in that position uses approximately 416 hours a year. Position may be filled by one part time non-exempt employee or two part time non-exempt employees totaling .5 Part Time Non-Exempt employees each.
2. Increase revenue through the inclusion of certain fees related to plan reviews, pre-application meetings, and zoning verification letters.

CAPITAL REQUESTS

1. Façade repair on Town Hall Entrance
2. Code Rewrite & Land Use Code Update
3. Office Furniture for Town Hall



Administration Expenses	
<i>Personnel</i>	\$ 153,282.00
<i>Operating</i>	\$ 211,200.00
<i>Capital Outlay</i>	\$ 61,500.00
Total:	\$ 425,982.00

CGFOA dues for Staff Accountant

Total Capital Cost: \$0.00

Department: Administration

Type: Other

Timeline: 01/01/2024 to 12/31/2028

Request description:
Membership in CGFOA

Capital Costs	Total
Dues & Subscriptions	\$0.00
Legal, Engineering and Professional Services	\$0.00
Contracts	\$0.00
Machinery & Equipment	\$0.00
Building Improvements	\$0.00
Grant Projects	\$0.00
Total	\$0.00

Funding Source	FY2024	FY2025	FY2026	FY2027	FY2028	Total
Water Fund	\$0.00					\$0.00
Wastewater Fund						\$0.00
Sanitation Fund						\$0.00
General Fund	\$100.00	\$100.00	\$100.00	\$100.00	\$100.00	\$500.00
Total	\$100.00	\$100.00	\$100.00	\$100.00	\$100.00	\$500.00

CGFOA training for Staff Accountant

Total Capital Cost: \$0.00

Department: Administration
Type: Other

Timeline: 01/01/2024 to 12/31/2028

Request description:
 Members take training at 40.00 a class and this would cover 12 trainings

Capital Costs	Total
Dues & Subscriptions	\$0.00
Legal, Engineering and Professional Services	\$0.00
Contracts	\$0.00
Machinery & Equipment	\$0.00
Building Improvements	\$0.00
Grant Projects	\$0.00
Total	\$0.00

Funding Source	FY2024	FY2025	FY2026	FY2027	FY2028	Total
Water Fund	\$0.00					\$0.00
Wastewater Fund						\$0.00
Sanitation Fund						\$0.00
General Fund	\$500.00	\$500.00	\$500.00	\$500.00	\$500.00	\$2,500.00
Total	\$500.00	\$500.00	\$500.00	\$500.00	\$500.00	\$2,500.00

CMCA and IIMC dues

Total Capital Cost: \$570.00

Department: Administration
Type: Other

Timeline: 01/01/2024 to 12/31/2024

Request description:

Colorado Municipal Clerks Association and International Institute of Municipal Clerks Dues for Clerk and Deputy Clerk

CMCA: \$130/ per

IIMC: \$185.00 First

\$ 125.00 supplemental

Capital Costs	FY2024	Total
Dues & Subscriptions	\$570.00	\$570.00
Legal, Engineering and Professional Services		\$0.00
Contracts		\$0.00
Machinery & Equipment		\$0.00
Building Improvements		\$0.00
Grant Projects		\$0.00
Total	\$570.00	\$570.00

Funding Source	FY2024	Total
Water Fund	\$0.00	\$0.00
Wastewater Fund		\$0.00
Sanitation Fund		\$0.00
General Fund		\$0.00
Total	\$0.00	\$0.00

Account Codes (Capital Costs):

10-41-31-00-00 \$570.00
\$570.00

Codification

Total Capital Cost: \$0.00

Department: Administration

Type: Other

Timeline: 06/01/2024 to 10/31/2024

Request description:

Codification costs from Municode.

Capital Costs	Total
Dues & Subscriptions	\$0.00
Legal, Engineering and Professional Services	\$0.00
Contracts	\$0.00
Machinery & Equipment	\$0.00
Building Improvements	\$0.00
Grant Projects	\$0.00
Total	\$0.00

Funding Source	FY2024	FY2025	FY2026	FY2027	FY2028	Total
Water Fund	\$0.00					\$0.00
Wastewater Fund						\$0.00
Sanitation Fund						\$0.00
General Fund	\$5,000.00	\$5,000.00	\$5,000.00	\$5,000.00	\$5,000.00	\$25,000.00
Total	\$5,000.00	\$5,000.00	\$5,000.00	\$5,000.00	\$5,000.00	\$25,000.00

Desk for Town Clerk

Total Capital Cost: \$750.00

Department: Administration

Type: Other

Timeline: 01/01/2024 to 03/31/2024

Request description:

My desk is a hazard with wheels ready to collapse :-) I can find a nice one at a used furniture outlet in Grand Junction for a good price.

Capital Costs	FY2024	Total
Dues & Subscriptions		\$0.00
Legal, Engineering and Professional Services		\$0.00
Contracts		\$0.00
Machinery & Equipment	\$750.00	\$750.00
Building Improvements		\$0.00
Grant Projects		\$0.00
Total	\$750.00	\$750.00

Funding Source	FY2024	Total
Water Fund	\$0.00	\$0.00
Wastewater Fund		\$0.00
Sanitation Fund		\$0.00
General Fund	\$750.00	\$750.00
Total	\$750.00	\$750.00

Scanner for Finance

Total Capital Cost: \$300.00

Department: Administration
Type: Other

Timeline: 01/01/2024 to 02/29/2024

Request description:

Scanner for accountant office

Capital Costs	FY2024	Total
Dues & Subscriptions	\$300.00	\$300.00
Legal, Engineering and Professional Services		\$0.00
Contracts		\$0.00
Machinery & Equipment		\$0.00
Building Improvements		\$0.00
Grant Projects		\$0.00
Total	\$300.00	\$300.00

Funding Source	FY2024	Total
Water Fund	\$0.00	\$0.00
Wastewater Fund		\$0.00
Sanitation Fund		\$0.00
General Fund		\$0.00
Total	\$0.00	\$0.00

Account Codes (Capital Costs):

10-41-70-00-00 \$300.00
\$300.00

Lobby seating & Computer Equipment for Finance

Total Capital Cost: \$750.00

Department: Administration

Type: Other

Timeline: 01/01/2024 to 04/01/2024

Request description:

We have no central location for people to sit and use wi-fi or wait for meetings in the Town offices or the Police department. These benches are inexpensive, wouldn't clutter up the hallway and would provide a waiting place without people taking chairs from the conference room.

Capital Costs	FY2024	Total
Dues & Subscriptions		\$0.00
Legal, Engineering and Professional Services		\$0.00
Contracts		\$0.00
Machinery & Equipment	\$750.00	\$750.00
Building Improvements		\$0.00
Grant Projects		\$0.00
Total	\$750.00	\$750.00

Funding Source	FY2024	Total
Water Fund	\$0.00	\$0.00
Wastewater Fund		\$0.00
Sanitation Fund		\$0.00
General Fund	\$750.00	\$750.00
Total	\$750.00	\$750.00

NAGARA Subscription Dues

Total Capital Cost: \$0.00

Department: Administration

Type: Other

Timeline: 01/01/2024 to 12/31/2028

Request description:

National Association of Government Archives and Records Administrators membership for up to 3 people. Provides monthly trainings and access to online archived trainings for best records management and archiving practices, online support nationally and professional development.

Capital Costs	Total
Dues & Subscriptions	\$0.00
Legal, Engineering and Professional Services	\$0.00
Contracts	\$0.00
Machinery & Equipment	\$0.00
Building Improvements	\$0.00
Grant Projects	\$0.00
Total	\$0.00

Funding Source	FY2024	FY2025	FY2026	FY2027	FY2028	Total
Water Fund	\$0.00					\$0.00
Wastewater Fund						\$0.00
Sanitation Fund						\$0.00
General Fund	\$225.00	\$250.00	\$275.00	\$300.00	\$325.00	\$1,375.00
Total	\$225.00	\$250.00	\$275.00	\$300.00	\$325.00	\$1,375.00

Text My Gov

Total Capital Cost: \$4,500.00

Department: Administration

Type: Other

Timeline: 01/01/2024 to 12/31/2028

Request description:

Notification system through text that can also be used to check bill balance, report issues to public works and automatically subscribes any recognized cell phone number in our billing system. We can also do notification by map areas for utility issues or road work

Capital Costs	FY2024	Total
Dues & Subscriptions	\$4,500.00	\$4,500.00
Legal, Engineering and Professional Services		\$0.00
Contracts		\$0.00
Machinery & Equipment		\$0.00
Building Improvements		\$0.00
Grant Projects		\$0.00
Total	\$4,500.00	\$4,500.00

Funding Source	FY2024	FY2025	FY2026	FY2027	FY2028	Total
Water Fund	\$0.00	\$1,000.00	\$1,000.00	\$1,000.00	\$1,000.00	\$4,000.00
Wastewater Fund		\$1,000.00	\$1,000.00	\$1,000.00	\$1,000.00	\$4,000.00
Sanitation Fund						\$0.00
General Fund	\$4,500.00	\$1,000.00	\$1,000.00	\$1,000.00	\$1,000.00	\$8,500.00
Total	\$4,500.00	\$3,000.00	\$3,000.00	\$3,000.00	\$3,000.00	\$16,500.00

Account Codes (Capital Costs):

10-41-70-00-00	\$4,500.00
	\$4,500.00

Clerk Training

Total Capital Cost: \$0.00

Department: Administration

Type: Other

Timeline: 01/01/2024 to 12/31/2028

Request description:

2024 CMCA Institute for Town Clerk- 1500 - 2000. (I apply for scholarships so this could go down)

and money for training through IIMC, which averages about \$60.00 per class and goes towards professional development & certifications for Clerk & Deputy Clerk

Capital Costs	Total
Dues & Subscriptions	\$0.00
Legal, Engineering and Professional Services	\$0.00
Contracts	\$0.00
Machinery & Equipment	\$0.00
Building Improvements	\$0.00
Grant Projects	\$0.00
Total	\$0.00

Funding Source	FY2024	FY2025	FY2026	FY2027	FY2028	Total
Water Fund	\$0.00	\$1,000.00	\$1,000.00	\$1,000.00	\$1,000.00	\$4,000.00
Wastewater Fund		\$1,000.00	\$1,000.00	\$1,000.00	\$1,000.00	\$4,000.00
Sanitation Fund						\$0.00
General Fund	\$3,000.00	\$1,000.00	\$1,000.00	\$1,000.00	\$1,000.00	\$7,000.00
Total	\$3,000.00	\$3,000.00	\$3,000.00	\$3,000.00	\$3,000.00	\$15,000.00

FY-2024 PAONIA ADOPTED BUDGET

ACCOUNT	DESCRIPTION	ADOPTED FY-2024 BUDGET	
ADMINISTRATION	PERSONNEL SERVICES		
10-41-01	MAYOR & TRUSTEES	\$	9,600.00
10-41-02	TOWN ADMINISTRATOR/CONTRACT LABOR	\$	44,500.00
10-41-03	SALARIES & WAGES	\$	65,500.00
10-41-04	EMPLOYER FICA	\$	7,400.00
10-41-05	EMPLOYER MEDICARE	\$	1,750.00
10-41-06	UNEMPLOYMENT TAX	\$	900.00
10-41-07	INSURANCE BENEFITS	\$	15,750.00
10-41-08	RETIREMENT BENEFITS	\$	5,200.00
10-41-09	LIFE/DISABILITY INSURANCE	\$	500.00
10-41-10	WORKMEN'S COMPENSATION	\$	1,200.00
10-41-13	OVERTIME	\$	982.00
	Subgroup : Personnel Services	\$	153,282.00
ADMINISTRATION	OPERATING		
10-41-15	OFFICE SUPPLIES	\$	2,000.00
10-41-16	OPERATING SUPPLIES	\$	6,000.00
10-41-17	POSTAGE	\$	500.00
10-41-20	LEGAL, ENGINEERING & PROFESSIONAL SERVICES	\$	105,000.00
10-41-21	AUDIT & BUDGET EXPENSE	\$	5,000.00
10-41-22	REPAIRS & MAINTENANCE	\$	5,000.00
10-41-25	TOWN HALL EXPENSE	\$	12,000.00
10-41-26	TRAVEL, MEETINGS, & TRAININGS	\$	10,200.00
10-41-27	INSURANCE & BONDS	\$	10,000.00
10-41-28	UTILITIES	\$	5,200.00
10-41-29	TELEPHONE & INTERNET	\$	1,800.00
10-41-30	PUBLISHING ADS	\$	6,500.00
10-41-31	DUES & SUBSCRIPTIONS	\$	24,000.00
10-41-33	DATA PROCESSING	\$	8,000.00
10-41-40	MISCELLANEOUS	\$	5,500.00
10-41-43	CULTURAL EVENTS	\$	-
10-41-44	HUMAN SERVICES	\$	4,500.00
10-41-45	BUILDING INSPECTOR	\$	-
	Subgroup : Operating Expenditures	\$	211,200.00
ADMINISTRATION	CAPITAL OUTLAY & TRANSFERS		
10-41-73	BUILDING IMPROVEMENTS	\$	10,000.00
10-41-74	MACHINERY & EQUIPMENT	\$	1,500.00
10-41-75	GRANT PROJECTS	\$	50,000.00
10-41-90	TREASURER'S FEE	\$	-
10-41-99	TRANSFERS	\$	-
	Subgroup : CAPITAL OUTLAY	\$	61,500.00
		TOTAL \$	425,982.00

TOWN OF PAONIA
2024
LAW ENFORCEMENT DEPARTMENT

MISSION The Town of Paonia Police Department exists to serve all people within our jurisdiction with respect, objectivity, and compassion. Prevention of crime and the protection of life and property through the enforcement of laws and ordinances is the department’s top priority. The Paonia Police Department is dedicated to providing a quality work environment and development of its officers and staff through effective training and leadership.

STAFFING TABLE

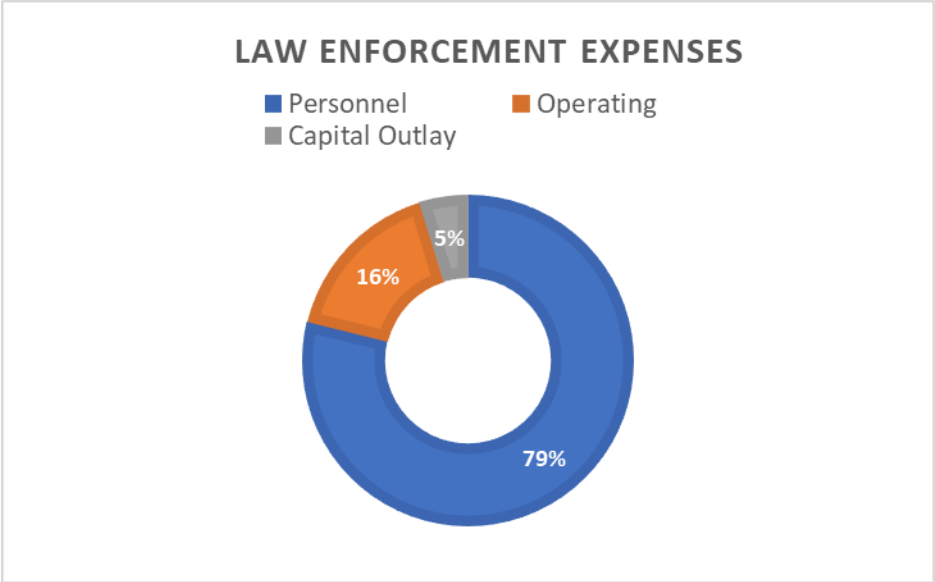
Type of Employee	2023	2024	Change
Full Time Non-Exempt	6	6	0
Full Time Exempt	1	1	0
Part Time Non-Exempt	0	0	0
Appointed Official (Judge)	1	1	0
Total	8	8	0

MAJOR GOALS AND CHANGES

1. Continue to develop and train the Town’s Officers through training and policy implementation from Lexipol.
2. Increase revenue through the inclusion of certain fees and fines necessary to gain compliance with the Town’s Code.
3. School Resource Officer Training for one officer to achieve full-implementation of the SRO program.

CAPITAL REQUESTS

1. Spillman Mobile Software
2. Vests for Officers
3. Axon Taser and Bodycam Upgrades
4. Optics for Firearms



Law Enforcement Expenses	
<i>Personnel</i>	\$ 650,480.00
<i>Operating</i>	\$ 135,650.00
<i>Capital Outlay</i>	\$ 39,000.00
Total:	\$ 825,130.00

Bulletproof vests for patrol personnel

Total Capital Cost: \$12,475.00

Department: Public Safety

Type: Other

Timeline: 01/01/2024 to 12/31/2024

Request description:

Bulletproof vests are a cornerstone piece of equipment for office safety and required to be worn on duty by policy. The vest to be purchased will be policy compliant offering protection from the sidearms and tools commonly carried by officers to include rifle rounds, handgun rounds, shotgun rounds, as well as being strike, slash, stab & taser resistant. 50% of the department is currently utilizing bulletproof vests from former officers or different departments.

Capital Costs	FY2024	FY2026	FY2027	FY2028	Total
Dues & Subscriptions					\$0.00
Legal, Engineering and Professional Services					\$0.00
Contracts					\$0.00
Machinery & Equipment	\$4,975.00	\$2,500.00	\$2,500.00	\$2,500.00	\$12,475.00
Building Improvements					\$0.00
Grant Projects					\$0.00
Total	\$4,975.00	\$2,500.00	\$2,500.00	\$2,500.00	\$12,475.00

Funding Source	FY2024	FY2026	FY2027	FY2028	Total
Water Fund	\$0.00				\$0.00
Wastewater Fund					\$0.00
Sanitation Fund					\$0.00
General Fund	\$4,975.00	\$2,500.00	\$2,500.00	\$2,500.00	\$12,475.00
Total	\$4,975.00	\$2,500.00	\$2,500.00	\$2,500.00	\$12,475.00

Police Department Flooring (High Traffic Industrial Carpet)

Total Capital Cost: \$2,000.00

Department: Public Safety

Type: Other

Timeline: 01/01/2024 to 12/31/2024

Request description:

The carpet currently in the police department is stained and ripped in multiple locations. The longest tenured police officer has stated the carpet has been in place since at least 2008.

Capital Costs	FY2024	Total
Dues & Subscriptions		\$0.00
Legal, Engineering and Professional Services		\$0.00
Contracts		\$0.00
Machinery & Equipment		\$0.00
Building Improvements	\$2,000.00	\$2,000.00
Grant Projects		\$0.00
Total	\$2,000.00	\$2,000.00

Funding Source	FY2024	Total
Water Fund	\$0.00	\$0.00
Wastewater Fund		\$0.00
Sanitation Fund		\$0.00
General Fund	\$2,000.00	\$2,000.00
Total	\$2,000.00	\$2,000.00

Red Dot Sight Systems for officer carried patrol handgun

Total Capital Cost: \$8,100.00

Department: Public Safety

Type: Other

Timeline: 01/01/2024 to 12/31/2024

Request description:

Red dot sights offer many benefits, including improving speed and accuracy that can potentially increase officer safety and lead to fewer mistake-of-fact shootings. Law enforcement agencies nationwide have recognized the benefits of RDS and have begun making the change from iron sights to RDS. Reducing liability, increasing confidence in firearm proficiency and increasing accuracy for both new and veteran officers are all positive outcomes for agencies that have switched to RDS

Capital Costs	FY2024	FY2026	FY2027	FY2028	Total
Dues & Subscriptions					\$0.00
Legal, Engineering and Professional Services					\$0.00
Contracts					\$0.00
Machinery & Equipment	\$3,600.00	\$1,500.00	\$1,500.00	\$1,500.00	\$8,100.00
Building Improvements					\$0.00
Grant Projects					\$0.00
Total	\$3,600.00	\$1,500.00	\$1,500.00	\$1,500.00	\$8,100.00

Funding Source	FY2024	FY2026	FY2027	FY2028	Total
Water Fund	\$0.00				\$0.00
Wastewater Fund					\$0.00
Sanitation Fund					\$0.00
General Fund	\$3,600.00	\$1,500.00	\$1,500.00	\$1,500.00	\$8,100.00
Total	\$3,600.00	\$1,500.00	\$1,500.00	\$1,500.00	\$8,100.00

Motorola Spillman FLEX Mobile software

Total Capital Cost: \$27,915.00

Department: Public Safety

Type: Other

Timeline: 01/01/2024 to 12/31/2028

Request description:

This software will add efficiency to patrol operations by reducing the amount of time an officer needs to spend at his desk inputting and retrieving information required by calls for service. The software will increase public safety by freeing up airtime, and making valuable information more accessible during calls for service.

Capital Costs	FY2024	Total
Dues & Subscriptions	\$27,915.00	\$27,915.00
Legal, Engineering and Professional Services		\$0.00
Contracts		\$0.00
Machinery & Equipment		\$0.00
Building Improvements		\$0.00
Grant Projects		\$0.00
Total	\$27,915.00	\$27,915.00

Funding Source	FY2024	FY2025	FY2026	FY2027	FY2028	Total
Water Fund	\$0.00					\$0.00
Wastewater Fund						\$0.00
Sanitation Fund						\$0.00
General Fund	\$27,915.00	\$2,871.00	\$2,985.00	\$3,104.00	\$3,228.00	\$40,103.00
Total	\$27,915.00	\$2,871.00	\$2,985.00	\$3,104.00	\$3,228.00	\$40,103.00

FY-2024 PAONIA ADOPTED BUDGET

ACCOUNT	DESCRIPTION	ADOPTED FY-2024 BUDGET
LAW ENFORCEMENT	PERSONNEL SERVICES	
10-42-02	CONTRACT LABOR (JUDGE)	\$ 6,600.00
10-42-03	SALARIES & WAGES	\$ 422,500.00
10-42-04	EMPLOYER FICA	\$ 29,100.00
10-42-05	EMPLOYER MEDICARE	\$ 6,800.00
10-42-06	UNEMPLOYMENT TAX	\$ 4,000.00
10-42-07	INSURANCE BENEFITS	\$ 65,500.00
10-42-08	RETIREMENT BENEFITS	\$ 11,000.00
10-42-09	LIFE/DISABILITY INSURANCE	\$ 1,180.00
10-42-10	WORKMEN'S COMPENSATION	\$ 13,000.00
10-42-11	FPPA PENSION	\$ 40,000.00
10-42-12	FPPA D&D	\$ 10,000.00
10-42-13	OVERTIME	\$ 40,800.00
	Subgroup : Personnel Services	\$ 650,480.00
LAW ENFORCEMENT	OPERATING	
10-42-15	OFFICE SUPPLIES	\$ 750.00
10-42-16	OPERATING SUPPLIES	\$ 20,000.00
10-42-17	POSTAGE	\$ 500.00
10-42-20	LEGAL, ENGINEERING & PROFESSIONAL SERVICES	\$ 5,000.00
10-42-22	REPAIRS & MAINTENANCE	\$ 1,500.00
10-42-23	VEHICLE EXPENSE	\$ 23,500.00
10-42-26	TRAVEL, MEETINGS, & TRAININGS	\$ 7,500.00
10-42-27	INSURANCE & BONDS	\$ 55,500.00
10-42-28	UTILITIES	\$ 2,500.00
10-42-29	TELEPHONE & INTERNET	\$ 1,200.00
10-42-30	PUBLISHING ADS	\$ -
10-42-31	DUES & SUBSCRIPTIONS	\$ 1,200.00
10-42-33	DATA PROCESSING	\$ 1,500.00
10-42-42	CONTRACT SERVICES	\$ 13,500.00
10-42-44	HUMAN SERVICES	\$ 1,500.00
	Subgroup : Operating Expenditures	\$ 135,650.00
LAW ENFORCEMENT	CAPITAL OUTLAY & TRANSFERS	
10-42-73	BUILDING IMPROVEMENTS	\$ -
10-42-74	MACHINERY & EQUIPMENT	\$ 39,000.00
	Subgroup : CAPITAL OUTLAY	\$ 39,000.00
TOTAL		\$ 825,130.00

TOWN OF PAONIA
2024
BUILDING DEPARTMENT

MISSION The Town of Paonia Building Department ensures that any remodeling, construction, repairs, additions, siding, fencing, roofing, concrete work, wood stove installations, and other improvement related items adhere to best practices in building codes and the codes adopted by the Town of Paonia. The Building Department provides information and processes all applications for building permits, and planning requests such as subdivisions, annexations, zone changes, conditional uses, variances, site development and mobile home park licenses.

STAFFING TABLE

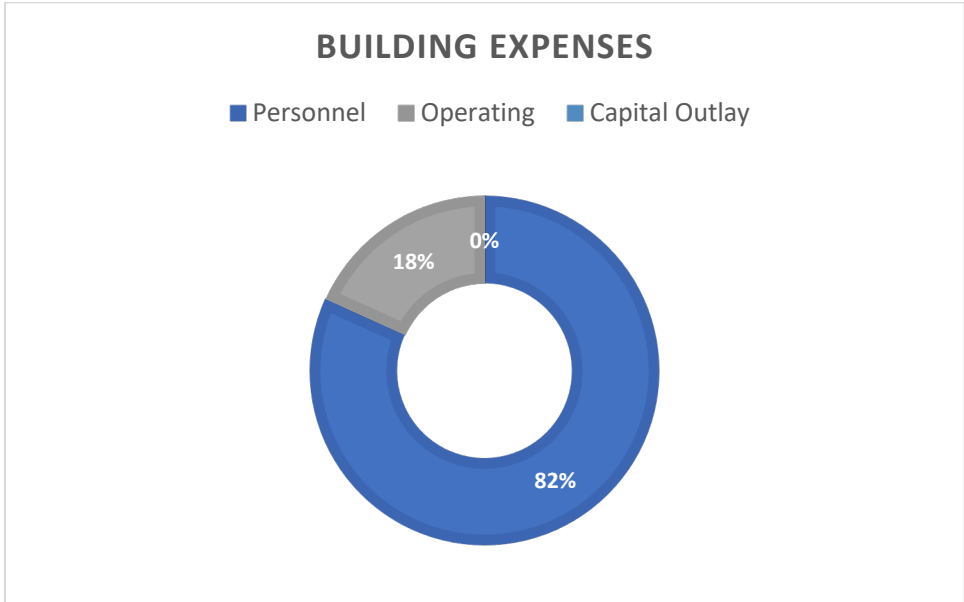
<u>Type of Employee</u>	<u>2023</u>	<u>2024</u>	<u>Change</u>
Full Time Non-Exempt	0	0	0
Full Time Exempt	0	0	0
Part Time Non-Exempt	0	0	0
Contracted Official (Inspector)	1	1	0
Total	1	1	0

MAJOR GOALS AND CHANGES

1. Intergovernmental Agreement with the City of Delta for Building Inspection and Plan Review services.
2. Increase revenue through the inclusion of certain fees and fines necessary to gain compliance with the Town’s Building Code.
3. Apply for the DOLA Local Planning Capacity Grant Program.

CAPITAL REQUESTS

1. N/A



Building Expenses	
<i>Personnel</i>	\$ 52,000.00
<i>Operating</i>	\$ 11,600.00
<i>Capital Outlay</i>	\$ -
Total:	\$ 63,600.00

FY-2024 PAONIA ADOPTED BUDGET

ACCOUNT	DESCRIPTION	ADOPTED FY-2024 BUDGET
BUILDING	PERSONNEL SERVICES	
10-43-01	MAYOR & TRUSTEES	\$ -
10-43-02	CONTRACT LABOR	\$ 52,000.00
10-43-03	SALARIES & WAGES	\$ -
10-43-04	EMPLOYER FICA	\$ -
10-43-05	EMPLOYER MEDICARE	\$ -
10-43-06	UNEMPLOYMENT TAX	\$ -
10-43-07	INSURANCE BENEFITS	\$ -
10-43-08	RETIREMENT BENEFITS	\$ -
10-43-09	LIFE/DISABILITY INSURANCE	\$ -
10-43-10	WORKMEN'S COMPENSATION	\$ -
10-43-13	OVERTIME	\$ -
	Subgroup : Personnel Services	\$ 52,000.00
BUILDING	OPERATING	
10-43-15	OFFICE SUPPLIES	\$ -
10-43-16	OPERATING SUPPLIES	\$ 1,000.00
10-43-17	POSTAGE	\$ 500.00
10-43-20	LEGAL, ENGINEERING & PROFESSIONAL SERVICES	\$ 5,500.00
10-43-22	REPAIRS & MAINTENANCE	\$ 500.00
10-43-23	VEHICLE EXPENSE	\$ -
10-43-26	TRAVEL & MEETINGS	\$ -
10-43-27	INSURANCE & BONDS	\$ 1,000.00
10-43-28	UTILITIES	\$ 1,500.00
10-43-29	TELEPHONE & INTERNET	\$ 1,100.00
10-43-30	PUBLISHING ADS	\$ -
10-43-31	DUES & SUBSCRIPTIONS	\$ 500.00
10-43-33	DATA PROCESSING	\$ -
10-43-40	MISCELLANEOUS	\$ -
10-43-43	CULTURAL EVENTS	\$ -
10-43-44	HUMAN SERVICES	\$ -
	Subgroup : Operating Expenditures	\$ 11,600.00
BUILDING	CAPITAL OUTLAY & TRANSFERS	
10-43-73	BUILDING IMPROVEMENTS	\$ -
10-43-74	MACHINERY & EQUIPMENT	\$ -
	Subgroup : CAPITAL OUTLAY	\$ -
TOTAL		\$ 63,600.00

TOWN OF PAONIA
2024
PUBLIC WORKS DEPARTMENT
STREETS DIVISION

MISSION The Town of Paonia Public Works Department, Streets Division, exists to serve all people within our jurisdiction with respect, objectivity, and compassion. The care and maintenance of roadways, bridges, sidewalks and the storm sewer system are all charges of the Streets Division. The Paonia Public Works Department Streets Division is dedicated to providing a quality work environment and ensuring that the Town’s roadway systems are in good repair.

STAFFING TABLE

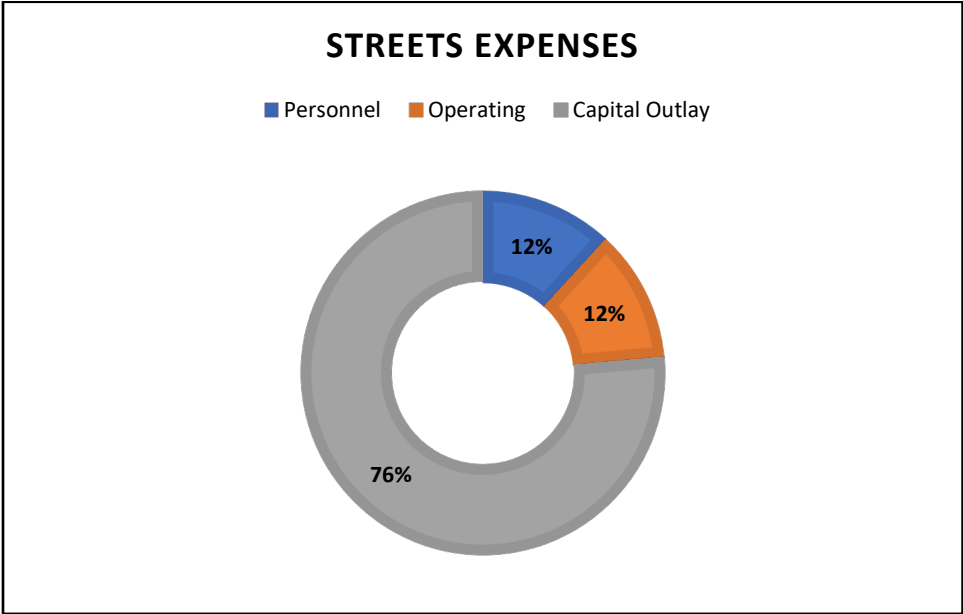
Type of Employee	2023	2024	Change
Full Time Non-Exempt	2	3	1
Full Time Exempt	1	1	0
Part Time Non-Exempt	0	0	0
Total	3	4	1

MAJOR GOALS AND CHANGES

1. Hiring a new Full Time Non-Exempt employee with the Streets Division as their home division.
2. Increase in professional services due to the Safe Pathways for Paonia Construction.
3. Funding for Tree Trimming within Town Rights of Way.

CAPITAL REQUESTS

1. Sidewalk Repair and Construction
2. 5th & Grand Realignment/Safe Pathways for Paonia
3. Generator/Welder cost share with other departments
4. Roller for Street Repairs
5. Work Truck



Streets Expenses	
<i>Personnel</i>	\$ 185,250.00
<i>Operating</i>	\$ 184,550.00
<i>Capital Outlay</i>	\$ 1,200,180.00
Total:	\$ 1,569,980.00

5th & Grand Realignment - "Safe Pathways for Paonia"

Total Capital Cost: \$1,040,774.00

Department: Streets
Type: Other

Timeline: 01/01/2024 to 02/28/2025

Request description:

For years, the Y-intersection of 5th Street and Grand Avenue has been a source of driver circulation issues within the Town of Paonia. To address this concern, the Town aims to realign 5th Street, connecting it to Grand Avenue at a 90-degree angle. Back in 2018, Odisea Engineering developed initial construction plans for the Town. Now, with the recent approval of CDOT’s Revitalizing Main Streets funding, the project will need to adhere to CDOT’s Local Agency process. SGM, has been entrusted with the task of leveraging the design intent from the previous plans to create construction plans that fully comply with CDOT regulations. The proposed project involves comprehensive design and planning to ensure the smooth and efficient realignment of 5th Street and its integration with Grand Avenue. We recognize the importance of addressing the historical driver circulation issues and optimizing the transportation infrastructure in the area. Our team will build upon the groundwork laid by Odisea Engineering, using their previous plans as a foundation for our CDOT-compliant construction plans.

Name of Project: - Town of Paonia – Safe Pathways for Paonia

Project Number: RMS M035-003

SubAccount #: 25364

Town of Paonia will reconstruct the intersection at 5th St and Grand Ave. from 4th Street to approximately 200 feet north of the 5th St. intersection on Grand Ave. to create a T-intersection. Sidewalks, curbs, gutters, and ADA curb ramps will be installed on 5th St and Grand where they are missing. Sidewalks will be extended to join the existing sidewalk on the west side of the street and a sidewalk will be installed to the entrance to the River Park on the east side of the street. Bicycle lanes and crosswalks will be painted and signage will indicate safe pathways. Rectangular rapid action beacon (RRAB) pedestrian signals will be installed on the crosswalks on Grand Ave. The pavement will be grooved on either side of the intersection to alert traffic to the reduced speed limits and school crossings.

Capital Costs	FY2024	Total
Machinery & Equipment		\$0.00
Improvement/Construction	\$1,040,774.00	\$1,040,774.00
Software		\$0.00
Total	\$1,040,774.00	\$1,040,774.00

Funding Source	FY2024	Total
General Fund	\$115,183.00	\$115,183.00
Grants	\$1,010,591.00	\$1,010,591.00
Water Utility		\$0.00
Sewer Utility		\$0.00
DWSRF		\$0.00
Sanitation		\$0.00
Total	\$1,125,774.00	\$1,125,774.00

Small Roller

Total Capital Cost: \$35,000.00

Department: Streets
Type: Other

Timeline: 01/01/2024 to 04/30/2024

Request description:

Street repairs are sub par because we don't have equipment needed to do repairs properly.

This price is for new but a used roller would be ideal.

Capital Costs	FY2024	Total
Machinery & Equipment	\$35,000.00	\$35,000.00
Improvement/Construction		\$0.00
Software		\$0.00
Total	\$35,000.00	\$35,000.00

Funding Source	FY2024	FY2025	FY2026	FY2027	FY2028	Total
General Fund	\$36,000.00	\$1,000.00	\$1,000.00	\$1,000.00	\$1,000.00	\$40,000.00
Grants						\$0.00
Water Utility						\$0.00
Sewer Utility						\$0.00
DWSRF						\$0.00
Sanitation						\$0.00
Total	\$36,000.00	\$1,000.00	\$1,000.00	\$1,000.00	\$1,000.00	\$40,000.00

Portable welder/generator

Total Capital Cost: \$6,500.00

Department: Streets

Type: Other

Timeline: 01/01/2024 to 01/31/2024

Request description:

We have a shop welder that works great but we currently don't have the ability to fix stuff in the field.

A welder generator combo would be useful for repairs on gates etc at the parks as well as be able to run any tools we would need in the field.

Campbell Hausfeld 10 Gal. 175 PSI Honda GX390 Gas Engine Stationary Compressor and 5000-Watt Generator and 200A Welder, 3-in-1 Air Compressor/Generator Combo Unit

Capital Costs	FY2024	Total
Machinery & Equipment	\$6,500.00	\$6,500.00
Improvement/Construction		\$0.00
Software		\$0.00
Total	\$6,500.00	\$6,500.00

Funding Source	FY2024	FY2025	FY2026	FY2027	FY2028	Total
General Fund	\$2,500.00	\$100.00	\$100.00	\$100.00	\$100.00	\$2,900.00
Grants						\$0.00
Water Utility	\$2,050.00					\$2,050.00
Sewer Utility	\$2,050.00					\$2,050.00
DWSRF						\$0.00
Sanitation						\$0.00
Total	\$6,600.00	\$100.00	\$100.00	\$100.00	\$100.00	\$7,000.00

Sidewalk Design & Repair

Total Capital Cost: \$150,000.00

Department: Streets

Type: Other

Timeline: 04/01/2024 to 12/31/2024

Request description:

Grand Avenue from 3rd to 4th - Sidewalk on both North and South sides needs replaced due to tree damage along sidewalks. This is a priority area due to the 5th Street Realignment "Safe Pathways for Paonia" project one block away. The repaired sidewalks will tie into the project just a block away from 4th to 5th along Grand Avenue.

Orchard Avenue from 3rd to 4th - Sidewalk on both sides needs repair, but the East side is in poor condition due to damage from tree roots.

Main from 1st to 2nd - both sides (East and West) of sidewalk need repair/replaced due to tree damage.

Capital Costs	FY2024	FY2026	FY2028	Total
Machinery & Equipment				\$0.00
Improvement/Construction	\$50,000.00	\$50,000.00	\$50,000.00	\$150,000.00
Software				\$0.00
Total	\$50,000.00	\$50,000.00	\$50,000.00	\$150,000.00

Funding Source	FY2024	FY2026	FY2028	Total
General Fund	\$50,000.00	\$50,000.00	\$50,000.00	\$150,000.00
Grants				\$0.00
Water Utility				\$0.00
Sewer Utility				\$0.00
DWSRF				\$0.00
Sanitation				\$0.00
Total	\$50,000.00	\$50,000.00	\$50,000.00	\$150,000.00

Fleet Vehicles

Total Capital Cost: \$90,000.00

Department: PW - Streets Division

Type: Other

Timeline: 01/01/2024 to 12/31/2025

Request description:

1 standard (1500) pickup truck for two years. We have a few trucks that are old and in need of replacement. \$45,000 for municipal discount and outfitting (snowplow, chains, tool box, etc)

Capital Costs	FY2024	FY2025	Total
Machinery & Equipment	\$45,000.00	\$45,000.00	\$90,000.00
Improvement/Construction			\$0.00
Software			\$0.00
Total	\$45,000.00	\$45,000.00	\$90,000.00

Funding Source	FY2024	FY2025	FY2026	FY2027	FY2028	Total
General Fund	\$45,500.00	\$45,500.00	\$1,000.00	\$1,000.00	\$1,000.00	\$94,000.00
Grants						\$0.00
Water Utility						\$0.00
Sewer Utility						\$0.00
DWSRF						\$0.00
Sanitation						\$0.00
Total	\$45,500.00	\$45,500.00	\$1,000.00	\$1,000.00	\$1,000.00	\$94,000.00

FY-2024 PAONIA ADOPTED BUDGET

ACCOUNT	DESCRIPTION	ADOPTED FY-2024 BUDGET
STREETS PERSONNEL SERVICES		
10-45-02	CONTRACT LABOR	\$ -
10-45-03	SALARIES & WAGES	\$ 133,000.00
10-45-04	EMPLOYER FICA	\$ 8,500.00
10-45-05	EMPLOYER MEDICARE	\$ 2,000.00
10-45-06	UNEMPLOYMENT TAX	\$ 1,100.00
10-45-07	INSURANCE BENEFITS	\$ 22,000.00
10-45-08	RETIREMENT BENEFITS	\$ 7,000.00
10-45-09	LIFE/DISABILITY INSURANCE	\$ 450.00
10-45-10	WORKMEN'S COMPENSATION	\$ 6,700.00
10-45-13	OVERTIME	\$ 4,500.00
	Subgroup : Personnel Services	\$ 185,250.00
STREETS OPERATING		
10-45-15	OFFICE SUPPLIES	\$ -
10-45-16	OPERATING SUPPLIES	\$ 1,500.00
10-45-17	POSTAGE	\$ -
10-45-20	LEGAL, ENGINEERING & PROFESSIONAL SERVICES	\$ 102,000.00
10-45-21	AUDIT & BUDGET EXPENSE	\$ 1,500.00
10-45-22	REPAIRS & MAINTENANCE	\$ 25,000.00
10-45-23	VEHICLE EXPENSE	\$ 12,500.00
10-45-24	RENTALS	\$ 1,500.00
10-45-25	SHOP EXPENSE	\$ 1,500.00
10-45-26	TRAVEL, MEETINGS & TRAININGS	\$ 1,500.00
10-45-27	INSURANCE & BONDS	\$ 3,700.00
10-45-28	UTILITIES	\$ 13,000.00
10-45-29	TELEPHONE & INTERNET	\$ 1,100.00
10-45-30	PUBLISHING ADS	\$ -
10-45-31	DUES & SUBSCRIPTIONS	\$ 1,000.00
10-45-33	DATA PROCESSING	\$ 1,250.00
10-45-40	MISCELLANEOUS	\$ 2,500.00
10-45-42	SNOW REMOVAL	\$ 15,000.00
10-45-43	CULTURAL EVENTS	\$ -
10-45-44	HUMAN SERVICES	\$ -
10-45-45	BUILDING INSPECTOR	\$ -
	Subgroup : Operating Expenditures	\$ 184,550.00
STREETS CAPITAL OUTLAY & TRANSFERS		
10-45-70	CAPITAL OUTLAY	\$ 1,117,680.00
10-45-73	BUILDING IMPROVEMENTS	\$ -
10-45-74	MACHINERY & EQUIPMENT	\$ 82,500.00
10-45-75	GRANT PROJECTS	\$ -
10-45-90	TREASURER'S FEE	\$ -
10-45-99	TRANSFERS	\$ -
	Subgroup : CAPITAL OUTLAY	\$ 1,200,180.00
TOTAL \$		1,569,980.00

TOWN OF PAONIA
2024
PUBLIC WORKS DEPARTMENT
PARKS & RECREATION DIVISION

MISSION The Town of Paonia Public Works Department, Parks & Recreation Division, exists to serve all people within our jurisdiction with respect, objectivity, and compassion. The care and maintenance of all parks and recreational opportunities within the Town are the charges of the Parks and Recreation Division. The Paonia Public Works Department Parks & Recreation Division is dedicated to providing a quality work environment and ensuring that the Town offers quality & beautiful Park and Recreational opportunities.

STAFFING TABLE

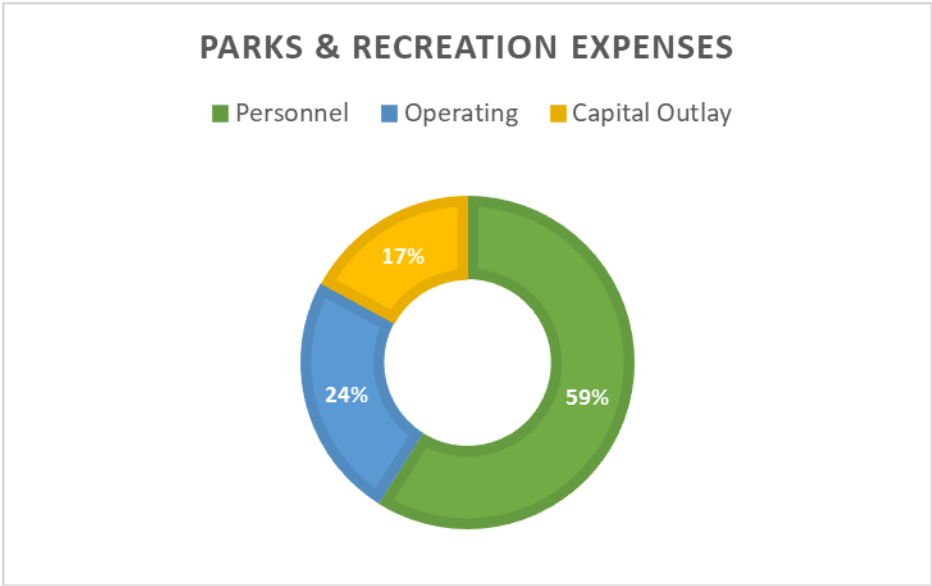
Type of Employee	2023	2024	Change
Full Time Non-Exempt	1	1	0
Full Time Exempt	0	0	0
Part Time Non-Exempt	0	0	0
Total	1	1	0

MAJOR GOALS AND CHANGES

1. Completing a course of treatment for Ash trees within Town Rights of Way and Town parks to protect against the emerald ash borer.

CAPITAL REQUESTS

1. Funding a grant match for the Nature Connection and the Wilder Bunch for trail enhancement and maintenance.
2. Renovations to the Town Park Restrooms using Conservation Trust Fund and Colorado Grand Grant funds (Carried over from FY-23 with permission from the granting agency).



Parks & Recreation Expenses	
<i>Personnel</i>	\$ 154,550.00
<i>Operating</i>	\$ 62,850.00
<i>Capital Outlay</i>	\$ 44,834.00
Total:	\$ 262,234.00

Bathroom Renovations at Town Park

Total Capital Cost: \$42,334.00

Department: Parks
Type: Other

Timeline: 02/01/2024 to 06/30/2024

Request description:

Renovations at the Town Park Restrooms includes: installation of new bathroom stalls/partitions; framing a ceiling; demolition of old cinder block partitions; build walls to match current cinder block walls, install metal 36" wide doors in both bathrooms and install a finished tin surface to match interior stalls; resurface floors with epoxy paint; installation of new bathroom hardware/fixtures (toilets, paper towel dispensers, soap dispensers, hand dryers, sinks, water fountain); installing new LED can-lighting in bathrooms and maintenance room; installing new light fixtures on exterior of restroom facility; install new wiring based on 100amp box; and installing new drywall and painting.

Capital Costs	FY2024	Total
Dues & Subscriptions		\$0.00
Legal, Engineering and Professional Services		\$0.00
Contracts		\$0.00
Machinery & Equipment		\$0.00
Building Improvements	\$42,334.00	\$42,334.00
Grant Projects		\$0.00
Total	\$42,334.00	\$42,334.00

Funding Source	FY2024	FY2025	FY2026	FY2027	FY2028	Total
Water Fund	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Wastewater Fund	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Sanitation Fund	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
General Fund	\$42,334.00	\$0.00	\$0.00	\$0.00	\$0.00	\$42,334.00
Total	\$42,334.00	\$0.00	\$0.00	\$0.00	\$0.00	\$42,334.00

FY-2024 PAONIA ADOPTED BUDGET

ACCOUNT	DESCRIPTION	ADOPTED FY-2024 BUDGET
PARKS PERSONNEL SERVICES		
10-46-02	CONTRACT LABOR	\$ 3,600.00
10-46-03	SALARIES & WAGES	\$ 108,500.00
10-46-04	EMPLOYER FICA	\$ 7,000.00
10-46-05	EMPLOYER MEDICARE	\$ 1,650.00
10-46-06	UNEMPLOYMENT TAX	\$ 950.00
10-46-07	INSURANCE BENEFITS	\$ 18,500.00
10-46-08	RETIREMENT BENEFITS	\$ 5,750.00
10-46-09	LIFE/DISABILITY INSURANCE	\$ 350.00
10-46-10	WORKMEN'S COMPENSATION	\$ 3,750.00
10-46-13	OVERTIME	\$ 4,500.00
	Subgroup : Personnel Services	\$ 154,550.00
PARKS OPERATING		
10-46-15	OFFICE SUPPLIES	\$ 100.00
10-46-16	OPERATING SUPPLIES	\$ 4,500.00
10-46-17	POSTAGE	\$ -
10-46-20	LEGAL, ENGINEERING & PROFESSIONAL SERVICES	\$ 1,000.00
10-46-21	AUDIT & BUDGET EXPENSE	\$ 1,000.00
10-46-22	REPAIRS & MAINTENANCE	\$ 28,000.00
10-46-23	VEHICLE EXPENSE	\$ 4,500.00
10-46-24	RENTALS	\$ 1,750.00
10-46-25	SHOP EXPENSE	\$ 750.00
10-46-26	TRAVEL, MEETINGS & TRAININGS	\$ 500.00
10-46-27	INSURANCE & BONDS	\$ 6,250.00
10-46-28	UTILITIES	\$ 6,500.00
10-46-29	TELEPHONE & INTERNET	\$ 750.00
10-46-30	PUBLISHING ADS	\$ -
10-46-31	DUES & SUBSCRIPTIONS	\$ -
10-46-32	FEES & PERMITS	\$ 750.00
10-46-33	DATA PROCESSING	\$ -
10-46-40	MISCELLANEOUS	\$ 3,000.00
10-46-42	CONTRACT SERVICES	\$ 3,500.00
10-46-43	CULTURAL EVENTS	\$ -
10-46-44	HUMAN SERVICES	\$ -
10-46-45	BUILDING INSPECTOR	\$ -
	Subgroup : Operating Expenditures	\$ 62,850.00
PARKS CAPITAL OUTLAY & TRANSFERS		
10-46-70	CAPITAL OUTLAY	\$ -
10-46-73	BUILDING IMPROVEMENTS	\$ 42,334.00
10-46-74	MACHINERY & EQUIPMENT	\$ -
10-46-75	GRANT PROJECTS	\$ 2,500.00
10-46-90	TREASURER'S FEE	\$ -
10-46-99	TRANSFERS	\$ -
	Subgroup : CAPITAL OUTLAY	\$ 44,834.00
TOTAL		\$ 262,234.00

TOWN OF PAONIA
2024
ENTERPRISE FUNDS

TOWN OF PAONIA
2024
PUBLIC WORKS DEPARTMENT
WATER UTILITY DIVISION

MISSION The Town of Paonia Public Works Department, Water Utility Division, exists to serve all people within our jurisdiction with clean and safe drinking water. The care and maintenance of the collections, treatment and conveyance of the drinking water system are all charges of the Water Utility Division. The Paonia Public Works Department Water Utility Division is dedicated to providing a quality work environment and ensuring that the Town is supplied with enough clean drinking water to meet its demand.

STAFFING TABLE

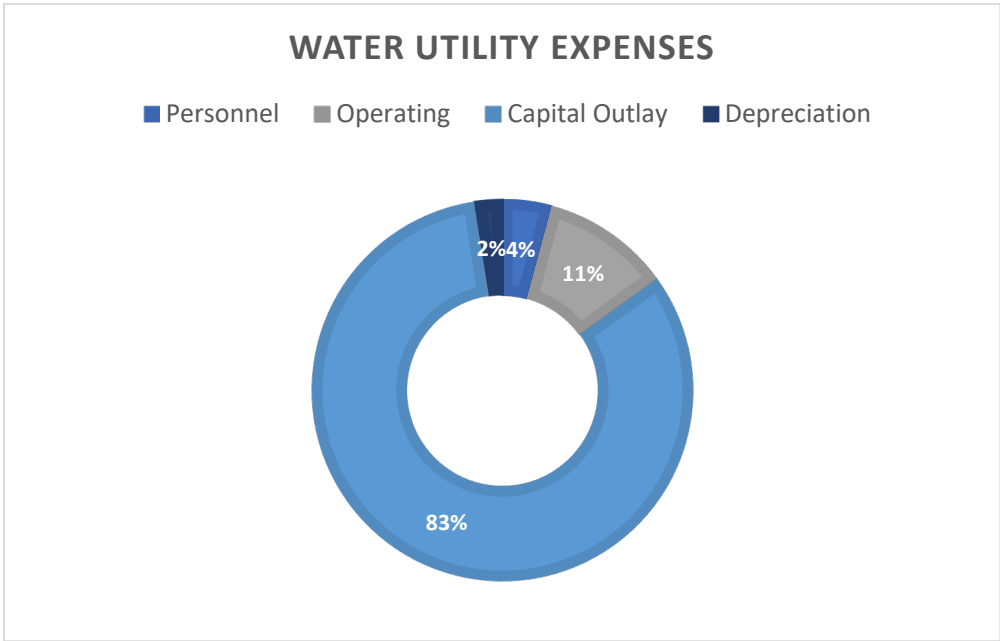
Type of Employee	2023	2024	Change
Full Time Non-Exempt	2	2	0
Full Time Exempt	0	0	0
Part Time Non-Exempt	0	0	0
Total	2	2	0

MAJOR GOALS AND CHANGES

1. The budget and requisite financing to complete Phase 1 of the Water Capital Improvement Plan relies on rate increases, and subsequent increases in revenues.
2. Increase in Professional Services due to the design and construction engineering services necessary to complete Phase 1 of the Water Capital Improvement Plant.
3. Budgeting for Depreciation as required for loan funding.

CAPITAL REQUESTS

1. 2MG Lamborn Finished Water Tank Re-Lining
2. Approximately 9,000 linear feet of steel pipe replacement & realignment
3. Hydrogeological Study Completion
4. Generator/Welder cost share with other departments
5. Outfitting Trucks with appropriate tools
6. Replacement part stock for water treatment plant



Water Utility Expenses	
<i>Personnel</i>	\$ 396,250.00
<i>Operating</i>	\$ 1,022,800.00
<i>Capital Outlay</i>	\$ 7,799,500.00
<i>Depreciation</i>	\$ 223,550.00
Total:	\$ 9,442,100.00

ESRI addons

Total Capital Cost: \$7,500.00

Department: Water Fund
Type: Other

Timeline: 01/01/2024 to 12/31/2029

Request description:

Public works uses ESRI for a lot of our daily duties as well as capturing data in the field. We would like to have funding to have it expand our capabilities. We would be able to send out work orders for pothole fixes, leak checks, and other added tasks making it easier on public works and office personel. The nice thing about ESRI is its 750 a year subscription that we already pay but we done pay extra subscriptions for the apps it would be for just the buildout on the app. Jeremiah has built a lot of useful ones for Public works and Im sure once we have a buildout on it we would be able to reverse engineer it and build more we want in house to save long term.

Capital Costs	FY2024	FY2025	FY2026	FY2027	FY2028	Total
Dues & Subscriptions	\$1,500.00	\$1,500.00	\$1,500.00	\$1,500.00	\$1,500.00	\$7,500.00
Legal, Engineering and Professional Services						\$0.00
Contracts						\$0.00
Machinery & Equipment						\$0.00
Building Improvements						\$0.00
Grant Projects						\$0.00
Total	\$1,500.00	\$1,500.00	\$1,500.00	\$1,500.00	\$1,500.00	\$7,500.00

Funding Source	FY2024	FY2025	FY2026	FY2027	FY2028	Total
Water Fund	\$1,500.00	\$1,500.00	\$1,500.00	\$1,500.00	\$1,500.00	\$7,500.00
Wastewater Fund						\$0.00
Sanitation Fund						\$0.00
General Fund						\$0.00
Total	\$1,500.00	\$1,500.00	\$1,500.00	\$1,500.00	\$1,500.00	\$7,500.00

Public notice funds

Total Capital Cost: \$7,500.00

Department: Water Fund

Type: Other

Timeline: 01/01/2024 to 12/31/2028

Request description:

Public works needs to have a budget line for public notices. They run about \$1500 each and we only anticipate one but we will also have to notify if there are any violations. Hopefully we wont have any violations but we should be prepared just in case.

Capital Costs	FY2024	FY2025	FY2026	FY2027	FY2028	Total
Dues & Subscriptions	\$1,500.00	\$1,500.00	\$1,500.00	\$1,500.00	\$1,500.00	\$7,500.00
Legal, Engineering and Professional Services						\$0.00
Contracts						\$0.00
Machinery & Equipment						\$0.00
Building Improvements						\$0.00
Grant Projects						\$0.00
Total	\$1,500.00	\$1,500.00	\$1,500.00	\$1,500.00	\$1,500.00	\$7,500.00

Funding Source	To Date	FY2024	FY2025	FY2026	FY2027	FY2028	Total
Water Fund	\$0.00	\$1,500.00	\$1,500.00	\$1,500.00	\$1,500.00	\$1,500.00	\$7,500.00
Wastewater Fund							\$0.00
Sanitation Fund							\$0.00
General Fund							\$0.00
Total	\$0.00	\$1,500.00	\$1,500.00	\$1,500.00	\$1,500.00	\$1,500.00	\$7,500.00

Phase I - Drinking Water Capital Improvement Plan - 2MG Finished Water Tank Relining

Total Capital Cost: \$2,301,300.00

Department: Water Fund

Type: Other

Timeline: 01/01/2024 to 12/31/2024

Request description:

Phase I - Drinking Water Capital Improvement Plan - 2MG Finished Water Tank Relining

Relining 2-MG finished water storage tank which will require first installing a temporary finished water tank to hold treated water while the 2-MG finished water tank is relined. Once the water can be sent to the temporary tank, relining will occur on the 2-MG tank. Engineering work will be led by SGM Engineering (SGM), with support by RESPEC. The entirety of the Town’s drinking water is currently supported by a 2-MG welded steel water tank at the top of Roeber Rd, named the Lamborn Tank. This tank is due for interior relining as over time the interior of the tank has been subjected to corrosion due to normal wear and tear. The project will consist of redirecting flow from the Lamborn Water Treatment plant to a temporary finished-water storage tank in the vicinity of the Lamborn water treatment facility. Design and specifications will be provided by SGM engineers with project management provided by the Town of Paonia and RESPEC. Relining the 2-MG tank is relatively straightforward - several companies in the area have the capability to efficiently complete this project. Most of the design work will be in creating a section of land next to the existing tank that can support a temporary tank. Subsequent engineering work will ensure that project specifications facilitate completion of the work and endorse a final product that lasts at least the projected minimum lifespan of the relining product(s).

Environmental efforts for each of the proposed capital projects are anticipated as follows:

2-MG finished water tank relining – This will likely be a Categorical Exclusion as this site is already disturbed. Temporary Tank Facilities may require an Environmental Assessment

This project will be performed on a parcel of land where the tank already exists and is owned by the Town. No additional land will be needed to perform the tank relining. The majority of the construction requirements will be directed towards the 1 MG temporary tank that will be installed to the north of Lamborn Tank. There will need to be some excavation equipment on site to cut into the hill to create a small level landing to place the 1-MG tank unless an alternative location proves viable. Other construction requirements will need to be directed towards the installation of the temporary tank. If the Town can clear a space around the current facilities, then SGM engineers and the chosen contractors will be able to install the temporary tank.

Capital Costs	FY2024	Total
Machinery & Equipment	\$2,301,300.00	\$2,301,300.00
Improvement/Construction		\$0.00
Software		\$0.00
Total	\$2,301,300.00	\$2,301,300.00

Funding Source	FY2024	Total
General Fund		\$0.00
Grants	\$965,000.00	\$965,000.00
Water Utility		\$0.00
Sewer Utility		\$0.00
DWSRF	\$1,336,300.00	\$1,336,300.00
Sanitation		\$0.00
Total	\$2,301,300.00	\$2,301,300.00

Phase I - Raw Water Metering - Raw Water Improvements

Total Capital Cost: \$851,248.00

Department: Water Fund

Type: Other

Timeline: 01/01/2024 to 12/31/2024

Request description:

Raw Water Monitoring Improvements

RESPEC, in conjunction with Mountain Peaks Controls (Town of Paonia’s integrator), will install 4 new monitoring devices at four of the current collection sites. The four monitoring locations to be installed are German Springs/Lake Fork, Old Original, Spor, and Mays/Gillwick. For three out of the four collection sites (German Springs/Lake Fork, Old Original, Spor) a simple monitoring device will be added to the spring or collection line. The fourth monitoring site, Mays/Gillwick collection box, will need to be completely rebuilt. The status of the collection box is that the concrete structure is crumbling and quickly deteriorating. The Mays/Gillwick collection box will be replaced with a concrete collection box similar to the new collection box at Spor. The Town of Paonia will have to determine how to transport the new collection box up the mountain. Most likely they will perform this operation similar to the Spor collection site.

8.5 Environmental Impacts - Environmental efforts for each of the proposed capital projects are anticipated as follows:

An Environmental Assessment will be required.

Easements may be required for the replacement of the 8" steel finished water distribution line. The new pipe alignment will likely follow Lamborn Mesa Rd. and stay within the utility easements for the Town of Paonia. There is a possibility that service easements may be required when attaching private service lines to the main pipeline, but the majority of the water line will stay with the Town’s utility easements. The entire 8" steel distribution pipe from Silo corner to the top of Cresthaven Rd. will be abandoned. The new line will need to be trenched from Silo Corner, along Lamborn Mesa Rd., to the top of Cresthaven Rd. Construction requirements will consist of large delivery trucks to haul all pipe and pipe materials to the town, heavy excavation equipment, and potential road closures when the excavation sites encroach on the roadways. Effort will be made to maintain at least one direction of traffic at all times. The only potential operational addition with this project will be if an additional PRV is installed. The Town already has certified employees to operate on a PRV so it will just need to be added to the Town’s operations agenda. Similar maintenance already exists within the Town’s distribution so no additional operator training or certification is needed.

Capital Costs

	FY2024	Total
Machinery & Equipment		\$0.00
Improvement/Construction	\$851,248.00	\$851,248.00
Software		\$0.00
Total	\$851,248.00	\$851,248.00

Funding Source

	FY2024	Total
General Fund		\$0.00
Grants		\$0.00
Water Utility		\$0.00
Sewer Utility		\$0.00
DWSRF	\$851,248.00	\$851,248.00
Sanitation		\$0.00
Total	\$851,248.00	\$851,248.00

Phase I - 8-inch Steel Distribution Line Replacement - Raw Water System Improvements

Total Capital Cost:	\$5,237,306.00	Department:	Water Fund
		Type:	Other
		Timeline:	01/01/2024 to 12/31/2024

Request description:

8" Steel Distribution Line Replacement

Design and project management for the 8" steel replacement line will be completed by RESPEC. The design will consist of a survey and Subsurface Underground Engineering (SUE) report to be completed by a consulting company chosen by both the Town and RESPEC jointly. The line replacement project will be completed using a design-bidbuild format. RESPEC will draft pipe alignment and pipe installation drawing sets to be submitted to the Town at 70% completion before construction begins. The distribution line replacement will occur between the corner of Lamborn Mesa Road and Stewart Mesa Rd. (known by Town administration as Silo corner) and the north end of Cresthaven Rd. The new alignment is anticipated to either follow the existing waterline alignment or to follow along Lamborn Mesa Rd. The proposed water main will extend from PRV 7 to PRV 9.

8.5 Environmental Impacts - Environmental efforts for each of the proposed capital projects are anticipated as follows:

An Environmental Assessment will be required.

Easements may be required for the replacement of the 8" steel finished water distribution line. The new pipe alignment will likely follow Lamborn Mesa Rd. and stay within the utility easements for the Town of Paonia. There is a possibility that service easements may be required when attaching private service lines to the main pipeline, but the majority of the water line will stay with the Town's utility easements. The entire 8" steel distribution pipe from Silo corner to the top of Cresthaven Rd. will be abandoned. The new line will need to be trenched from Silo Corner, along Lamborn Mesa Rd., to the top of Cresthaven Rd. Construction requirements will consist of large delivery trucks to haul all pipe and pipe materials to the town, heavy excavation equipment, and potential road closures when the excavation sites encroach on the roadways. Effort will be made to maintain at least one direction of traffic at all times. The only potential operational addition with this project will be if an additional PRV is installed. The Town already has certified employees to operate on a PRV so it will just need to be added to the Town's operations agenda. Similar maintenance already exists within the Town's distribution so no additional operator training or certification is needed.

Capital Costs	FY2024	Total
Machinery & Equipment		\$0.00
Improvement/Construction	\$5,237,306.00	\$5,237,306.00
Software		\$0.00
Total	\$5,237,306.00	\$5,237,306.00

Funding Source	FY2024	Total
General Fund		\$0.00
Grants		\$0.00
Water Utility		\$0.00
Sewer Utility		\$0.00
DWSRF	\$5,237,306.00	\$5,237,306.00
Sanitation		\$0.00
Total	\$5,237,306.00	\$5,237,306.00

Critical Operating Parts for Treatment Plants (spare parts)

Total Capital Cost: \$75,000.00

Department: Water Fund

Type: Other

Timeline: 01/01/2024 to 01/30/2024

Request description:

Currently our treatment plant has a handful of critical components that we don't have backups on hand and if there were a failure to one of the parts we would be unable to treat water. I think it's important to budget to try to get a few on hand.

cost estimate to have a backup for all critical parts should not exceed \$15000

Capital Costs	FY2024	FY2025	FY2026	FY2027	FY2028	Total
Machinery & Equipment	\$15,000.00	\$15,000.00	\$15,000.00	\$15,000.00	\$15,000.00	\$75,000.00
Improvement/Construction						\$0.00
Software						\$0.00
Total	\$15,000.00	\$15,000.00	\$15,000.00	\$15,000.00	\$15,000.00	\$75,000.00

Funding Source	FY2024	FY2025	FY2026	FY2027	FY2028	Total
General Fund	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Grants	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Water Utility	\$15,000.00	\$15,000.00	\$15,000.00	\$15,000.00	\$15,000.00	\$75,000.00
Sewer Utility						\$0.00
DWSRF						\$0.00
Sanitation						\$0.00
Total	\$15,000.00	\$15,000.00	\$15,000.00	\$15,000.00	\$15,000.00	\$75,000.00

Portable welder/generator

Total Capital Cost: \$6,500.00

Department: Streets

Type: Other

Timeline: 01/01/2024 to 01/31/2024

Request description:

We have a shop welder that works great but we currently don't have the ability to fix stuff in the field.

A welder generator combo would be useful for repairs on gates etc at the parks as well as be able to run any tools we would need in the field.

Campbell Hausfeld 10 Gal. 175 PSI Honda GX390 Gas Engine Stationary Compressor and 5000-Watt Generator and 200A Welder, 3-in-1 Air Compressor/Generator Combo Unit

Capital Costs	FY2024	Total
Machinery & Equipment	\$6,500.00	\$6,500.00
Improvement/Construction		\$0.00
Software		\$0.00
Total	\$6,500.00	\$6,500.00

Funding Source	FY2024	FY2025	FY2026	FY2027	FY2028	Total
General Fund	\$2,500.00	\$100.00	\$100.00	\$100.00	\$100.00	\$2,900.00
Grants						\$0.00
Water Utility	\$2,050.00					\$2,050.00
Sewer Utility	\$2,050.00					\$2,050.00
DWSRF						\$0.00
Sanitation						\$0.00
Total	\$6,600.00	\$100.00	\$100.00	\$100.00	\$100.00	\$7,000.00

Fleet tools

Total Capital Cost: \$7,500.00

Department: Water Fund
Type: Other

Timeline: 01/01/2024 to 02/29/2024

Request description:

Our fleet isn't outfitted well at all. We are still using scattered sets that end up in multiple vehicles. It would be nice to have at least 3 trucks outfitted with tool sets that are assigned to that truck instead of community sets that are hard to keep track of. \$2500 per truck would be ideal.

Capital Costs	FY2024	Total
Machinery & Equipment	\$7,500.00	\$7,500.00
Improvement/Construction		\$0.00
Software		\$0.00
Total	\$7,500.00	\$7,500.00

Funding Source	FY2024	Total
General Fund		\$0.00
Grants		\$0.00
Water Utility	\$7,500.00	\$7,500.00
Sewer Utility		\$0.00
DWSRF		\$0.00
Sanitation		\$0.00
Total	\$7,500.00	\$7,500.00

FY-2024 PAONIA ADOPTED BUDGET

WATER UTILITY REVENUE

ACCOUNT	DESCRIPTION	ADOPTED FY-2024 BUDGET
WATER		
<i>* Revenue is dependent upon utility rate increases</i>		
WATER UTILITY REVENUE		
60-36-01*	WATER CHARGES	\$ 895,000.00
60-36-02*	WATER CHARGES - USAGE	\$ 700,000.00
60-36-03	SALES & SERVICES	\$ 500.00
60-36-04	STANDBY TAP FEES	\$ 62,000.00
60-36-05	BULK WATER	\$ 2,500.00
60-36-06	RECONNECT FEES & PENALTIES	\$ 1,500.00
60-36-07	WATER TAPS	\$ -
60-36-08	TAPS FEES ASSIGNED FOR STORAGE	\$ -
60-36-09	START/STOP SERVICE FEES	\$ 6,500.00
60-36-10	INTEREST	\$ -
60-36-12	RENTS	\$ -
60-36-13	MISCELLANEOUS REVENUE	\$ -
60-36-15	SALE/DISPOSAL OF ASSETS	\$ -
60-36-20	PASS THROUGH FUNDS	\$ -
60-36-21	DOLA PASS THROUGH REVENUE	\$ -
60-36-22	WPA PASS THROUGH REVENUE	\$ -
60-36-23	DWRF GRANT (PRINCIPAL LOAN FORGIVENESS)	\$ -
60-36-24	DOLA URS PASS THROUGH REVENUE	\$ -
60-36-25	LOAN FUNDS	\$ 7,200,000.00
60-36-30	GRANT FUNDS	\$ 1,137,973.00
60-36-31	CAPITAL CONTRIBUTIONS	\$ 352,500.00
	Subgroup : Total Revenue¹	\$ 10,358,473.00
WATER		
<i>¹ Budget Revenues differ from 20-year cashflow analysis, budget is in whole numbers, cashflow is to the penny</i>		

FY-2024 PAONIA ADOPTED BUDGET

WATER UTILITY EXPENSES

WATER			
WATER UTILITY PERSONNEL SERVICES			
60-50-02	TRUSTEE/ADMIN SALARIES	\$	40,750.00
60-50-03	SALARIES & WAGES	\$	236,500.00
60-50-04	EMPLOYER FICA	\$	20,000.00
60-50-05	EMPLOYER MEDICARE	\$	5,000.00
60-50-06	UNEMPLOYMENT TAX	\$	2,500.00
60-50-07	INSURANCE BENEFITS	\$	52,500.00
60-50-08	RETIREMENT BENEFITS	\$	15,000.00
60-50-09	LIFE/DISABILITY INSURANCE	\$	1,000.00
60-50-10	WORKMEN'S COMPENSATION	\$	5,500.00
60-50-13	OVERTIME	\$	17,500.00
	Subgroup : Personnel Services	\$	396,250.00
WATER			
WATER UTILITY OPERATING EXPENSES			
60-50-15	OFFICE SUPPLIES	\$	2,000.00
60-50-16	OPERATING SUPPLIES	\$	28,000.00
60-50-17	POSTAGE	\$	4,000.00
60-50-20	LEGAL, ENGINEERING & PROFESSIONAL SERVICES	\$	525,000.00
60-50-21	AUDIT & BUDGET EXPENSE	\$	7,700.00
60-50-22	REPAIRS & MAINTENANCE	\$	75,000.00
60-50-23	VEHICLE EXPENSE	\$	6,000.00
60-50-24	RENTALS	\$	2,500.00
60-50-25	SHOP EXPENSE	\$	7,300.00
60-50-26	TRAVEL, MEETINGS & TRAININGS	\$	3,500.00
60-50-27	INSURANCE & BONDS	\$	17,000.00
60-50-28	UTILITIES	\$	27,500.00
60-50-29	TELEPHONE & INTERNET	\$	1,850.00
60-50-30	PUBLISHING ADS	\$	2,000.00
60-50-31	DUES & SUBSCRIPTIONS	\$	27,700.00
60-50-32	FEES & PERMITS	\$	9,750.00
60-50-33	DATA PROCESSING	\$	10,500.00
60-50-40	MISCELLANEOUS	\$	500.00
60-50-41	WRITEOFF - UNCOLLECTABLE	\$	-
60-50-42	CONTRACT SERVICES	\$	32,000.00
60-50-44	NORRIS RETIREMENT	\$	13,500.00
60-50-50	WATER POWER AUTHORITY LOAN	\$	180,000.00
60-50-51	DRINKING WATER REVOLVING FUND	\$	24,000.00
60-50-52	FCNB INTERIM FINANCING	\$	500.00
60-50-54	DEBT SERVICE	\$	15,000.00
60-50-55	LOAN PRINCIPAL	\$	-
60-50-56	LOAN INTEREST	\$	-
60-50-60	WATER STORAGE EXPENDITURE	\$	-
	Subgroup : Water Operating Expenditures		1,022,800.00

FY-2024 PAONIA ADOPTED BUDGET

WATER UTILITY EXPENSES

WATER			
WATER UTILITY CAPITAL OUTLAY & TRANSFERS			
60-50-70	CAPITAL OUTLAY	\$	7,775,000.00
60-50-71	PASS THROUGH ACCOUNT	\$	-
60-50-72	PASS THROUGH ENGINEERING	\$	-
60-50-73	PASS THROUGH OPERATING	\$	-
60-50-75	GRANT PROJECTS	\$	-
60-50-76	BUILDING IMPROVEMENTS	\$	-
60-50-77	MACHINERY & EQUIPMENT	\$	24,500.00
60-50-99	TRANSFERS	\$	-
	Subgroup : Water Capital Outlay & Transfers	\$	7,799,500.00
WATER			
WATER UTILITY DEPRECIATION			
60-59-99	DEPRECIATION	\$	223,550.00
	Subgroup : Water Depreciation	\$	223,550.00
WATER FUND			
TOTAL REVENUES	\$	10,358,473.00	
TOTAL EXPENDITURES	\$	9,442,100.00	
	NET INCOME (LOSS) - Water Utility	\$	916,373.00

TOWN OF PAONIA
2024
PUBLIC WORKS DEPARTMENT
WASTEWATER UTILITY DIVISION

MISSION The Town of Paonia Public Works Department, Wastewater Utility Division, strives to provide the best services possible to Residents. The care and maintenance of the collections, treatment and discharge of sewer wastewater are all charges of the Wastewater Utility Division. The Paonia Public Works Department Wastewater Utility Division is dedicated to providing a quality work environment and ensuring that the Town’s effluent meets all required limits for discharge.

STAFFING TABLE

Type of Employee	2023	2024	Change
Full Time Non-Exempt	2	2	0
Full Time Exempt	0	0	0
Part Time Non-Exempt	0	0	0
Total	2	2	0

MAJOR GOALS AND CHANGES

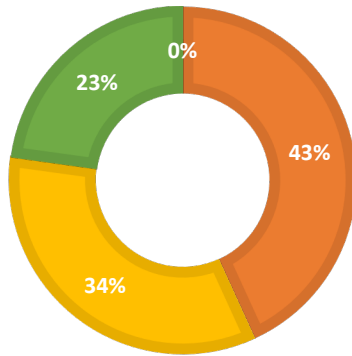
1. The budget and requisite financing for future improvements that may be mandated by CDPHE in the near future relies on rate increases, and subsequent increases in revenues.
2. Debt Service is still being paid for two loans that will need to be revisited.
3. Budgeting for Depreciation as required for future loan funding for necessary improvements to the collections and treatment systems.

CAPITAL REQUESTS

1. Funding is budgeted for Capital Improvements such as sewer line replacements
2. Generator/Welder cost share with other departments
3. Jet/Vac Trailer for preventative maintenance and cleaning the system

WASTEWATER UTILITY EXPENSES

■ Personnel
 ■ Operating
 ■ Capital Outlay
 ■ Depreciation



Waste Water Utility Expenses	
<i>Personnel</i>	\$ 391,450.00
<i>Operating</i>	\$ 308,450.00
<i>Capital Outlay</i>	\$ 207,000.00
<i>Depreciation</i>	\$ 100.00
Total:	\$ 907,000.00

Portable welder/generator

Total Capital Cost: \$6,500.00

Department: Streets

Type: Other

Timeline: 01/01/2024 to 01/31/2024

Request description:

We have a shop welder that works great but we currently don't have the ability to fix stuff in the field.

A welder generator combo would be useful for repairs on gates etc at the parks as well as be able to run any tools we would need in the field.

Campbell Hausfeld 10 Gal. 175 PSI Honda GX390 Gas Engine Stationary Compressor and 5000-Watt Generator and 200A Welder, 3-in-1 Air Compressor/Generator Combo Unit

Capital Costs	FY2024	Total
Machinery & Equipment	\$6,500.00	\$6,500.00
Improvement/Construction		\$0.00
Software		\$0.00
Total	\$6,500.00	\$6,500.00

Funding Source	FY2024	FY2025	FY2026	FY2027	FY2028	Total
General Fund	\$2,500.00	\$100.00	\$100.00	\$100.00	\$100.00	\$2,900.00
Grants						\$0.00
Water Utility	\$2,050.00					\$2,050.00
Sewer Utility	\$2,050.00					\$2,050.00
DWSRF						\$0.00
Sanitation						\$0.00
Total	\$6,600.00	\$100.00	\$100.00	\$100.00	\$100.00	\$7,000.00

Jet/Vac Trailer

Total Capital Cost: \$130,000.00

Department: Sewer Fund

Type: Other

Timeline: 01/01/2024 to 03/31/2024

Request description:

Hydro excavating and jetting combo. Public works feels that a big truck limits the usefulness of projects where a trailer system allows us more options (able to access more areas) as well as being 1/4 of the price.

It would help with jetting sewer mains, water breaks, storm drains, ditch cleaning, as well as potholing to find lines before we dig and minimize the risk of hitting buried lines.

This is a multi-function piece of equipment and would be useful across all departments except trash.

A new trailer with hydro excavating and jetting capabilities runs roughly \$130000 with roughly a \$1000 annual maintenance cost.

public works would also be more than happy with a good used option.

The Town has averaged \$14,000 in cost for jetting and vacuuming rentals, but in 2022 and 2023 that cost increased significantly due to catastrophic failures in sewer and water pipes that required significant use of equipment and contractors. By getting a jetter, the Town can include annual maintenance of pipes throughout Town and help to reduce additional catastrophic failures of systems.

Capital Costs	FY2024	Total
Machinery & Equipment	\$130,000.00	\$130,000.00
Improvement/Construction		\$0.00
Software		\$0.00
Total	\$130,000.00	\$130,000.00

Funding Source	FY2024	Total
General Fund		\$0.00
Grants		\$0.00
Water Utility		\$0.00
Sewer Utility	\$130,000.00	\$130,000.00
DWSRF		\$0.00
Sanitation		\$0.00
Total	\$130,000.00	\$130,000.00

FY-2024 PAONIA ADOPTED BUDGET

WASTEWATER UTILITY REVENUE

ACCOUNT	DESCRIPTION	ADOPTED FY-24 BUDGET
WASTEWATER		
WASTEWATER UTILITY REVENUE		
70-37-01	SEWER BASE CHARGE	\$ 884,000.00
70-37-04	SEWER TAPS	\$ -
70-37-05	SEWER RENTAL PROPERTY	\$ -
70-37-07	SALES & SERVICE	\$ -
70-37-08	PASS THROUGH FUNDS	\$ -
70-37-09	INTEREST INCOME	\$ 23,000.00
70-37-10	WWTP PAYBACK FUND	\$ -
70-37-11	WWTP PAYBACK INTEREST	\$ -
70-37-12	RENTS	\$ -
70-37-13	GRANT REVENUE	\$ -
70-37-14	MISCELLANEOUS REVENUE	\$ -
	Subgroup : Total Revenue	\$ 907,000.00

WASTEWATER UTILITY EXPENSES

WASTEWATER		
WASTEWATER UTILITY PERSONNEL SERVICES		
70-51-02	TRUSTEE/ADMIN SALARIES	\$ 40,750.00
70-51-03	SALARIES & WAGES	\$ 237,000.00
70-51-04	EMPLOYER FICA	\$ 18,250.00
70-51-05	EMPLOYER MEDICARE	\$ 4,500.00
70-51-06	UNEMPLOYMENT TAX	\$ 2,500.00
70-51-07	INSURANCE BENEFITS	\$ 52,000.00
70-51-08	RETIREMENT BENEFITS	\$ 14,500.00
70-51-09	LIFE/DISABILITY INSURANCE	\$ 750.00
70-51-10	WORKMEN'S COMPENSATION	\$ 5,200.00
70-51-11	OVERTIME	\$ 16,000.00
	Subgroup : Personnel Services	\$ 391,450.00

FY-2024 PAONIA ADOPTED BUDGET

WASTEWATER UTILITY EXPENSES

WASTEWATER			
WASTEWATER UTILITY OPERATING EXPENSES			
70-51-15	OFFICE SUPPLIES	\$	2,000.00
70-51-16	OPERATING SUPPLIES	\$	7,500.00
70-51-17	POSTAGE	\$	4,000.00
70-51-20	LEGAL, ENGINEERING & PROFESSIONAL SERVICES	\$	15,250.00
70-51-21	AUDIT & BUDGET EXPENSE	\$	7,700.00
70-51-22	REPAIRS & MAINTENANCE	\$	75,000.00
70-51-23	VEHICLE EXPENSE	\$	6,500.00
70-51-24	RENTALS	\$	2,500.00
70-51-25	SHOP EXPENSE	\$	11,500.00
70-51-26	TRAVEL, MEETINGS & TRAININGS	\$	1,000.00
70-51-27	INSURANCE & BONDS	\$	6,750.00
70-51-28	UTILITIES	\$	40,000.00
70-51-29	TELEPHONE & INTERNET	\$	1,350.00
70-51-30	PUBLISHING ADS	\$	500.00
70-51-31	DUES & SUBSCRIPTIONS	\$	4,450.00
70-51-32	FEES & PERMITS	\$	7,700.00
70-51-33	DATA PROCESSING	\$	8,500.00
70-51-40	MISCELLANEOUS	\$	1,500.00
70-51-41	WRITEOFF - UNCOLLECTABLE	\$	-
70-51-42	CONTRACT SERVICES	\$	7,500.00
70-51-43	GAGING STATION	\$	5,000.00
70-51-50	DOLA PRINCIPAL & INTEREST	\$	-
70-51-51	RURAL DEVELOPMENT PRINCIPAL & INTEREST	\$	73,250.00
70-51-52	WWTP PAYBACK FUND EXPENDITURES	\$	-
70-51-53	ISSUANCE COSTS	\$	-
70-51-54	DEBT RESERVE	\$	24,000.00
	Subgroup : Operating Expenses	\$	313,450.00
WASTEWATER			
WASTEWATER UTILITY CAPITAL OUTLAY & TRANSFERS			
70-51-70	CAPITAL OUTLAY	\$	70,000.00
70-51-71	PASS THROUGH FUNDS	\$	-
70-51-72	ASSET REPLACEMENT RESERVE	\$	-
70-51-73	PASS THROUGH OPERATING	\$	-
70-51-75	GRANT PROJECTS	\$	-
70-51-76	BUILDING IMPROVEMENTS	\$	-
70-51-77	MACHINERY & EQUIPMENT	\$	132,000.00
70-51-99	TRANSFERS	\$	-
	Subgroup : Wastewater Capital Outlay & Transfers	\$	202,000.00
WASTEWATER			
WASTEWATER UTILITY DEPRECIATION			
70-59-99	DEPRECIATION	\$	100.00
	Subgroup : Wastewater Depreciation	\$	100.00
WASTEWATER FUND			
TOTAL REVENUES	\$	907,000.00	
TOTAL EXPENDITURES	\$	907,000.00	
NET INCOME (LOSS) - Wastewater Utility		\$	-

TOWN OF PAONIA
2024
PUBLIC WORKS DEPARTMENT
SANITATION DIVISION

MISSION The Town of Paonia Public Works Department, Sanitation Division, strives to provide the best services possible to Residents. The Paonia Public Works Department Sanitation Division is dedicated to providing a quality work environment and ensuring that the Town’s solid waste is collected and removed from the Town.

STAFFING TABLE

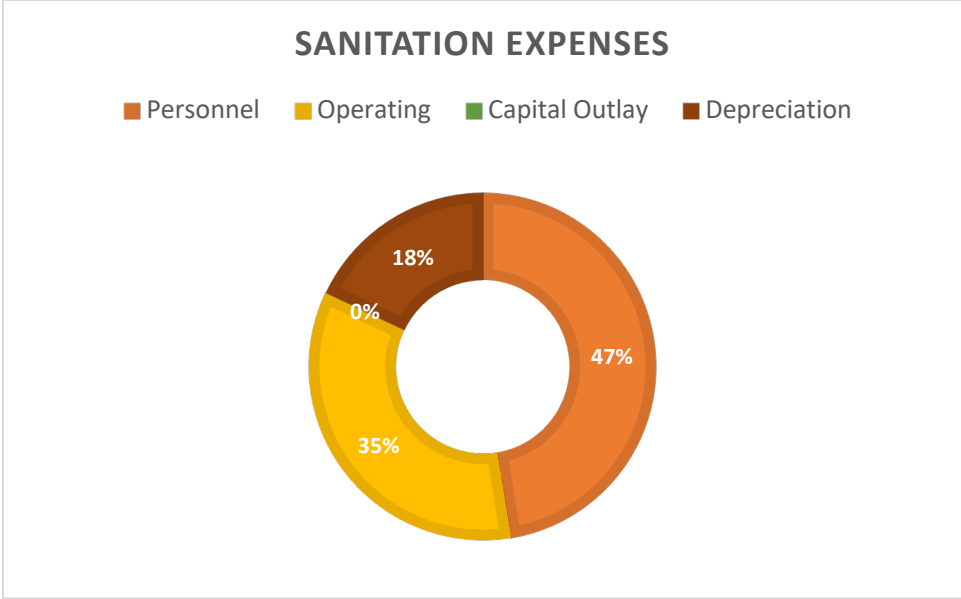
Type of Employee	2023	2024	Change
Full Time Non-Exempt	2	2	0
Full Time Exempt	0	0	0
Part Time Non-Exempt	0	0	0
Total	2	2	0

MAJOR GOALS AND CHANGES

1. Budgeting for depreciation and reserves to go towards future repairs of the garbage truck.

CAPITAL REQUESTS

1. N/A



Sanitation Expenses	
<i>Personnel</i>	\$ 152,500.00
<i>Operating</i>	\$ 111,200.00
<i>Capital Outlay</i>	\$ -
<i>Depreciation</i>	\$ 57,800.00
Total:	\$ 321,500.00

FY-2024 PAONIA ADOPTED BUDGET

SANITATION REVENUE

ACCOUNT	DESCRIPTION	ADOPTED FY-24 BUDGET	
SANITATION			
SANITATION REVENUE			
80-30-02	TRASH CHARGES	\$	320,000.00
80-30-03	BULK TRASH CHARGE	\$	1,500.00
80-30-04	TIRE PICK UP	\$	-
	Subgroup : Total Revenue	\$	321,500.00

SANITATION EXPENSES

SANITATION			
SANITATION PERSONNEL SERVICES			
80-52-02	CONTRACT/ADMIN SALARIES	\$	12,000.00
80-52-03	SALARIES & WAGES	\$	93,000.00
80-52-04	EMPLOYER FICA	\$	6,800.00
80-52-05	EMPLOYER MEDICARE	\$	1,600.00
80-52-06	UNEMPLOYMENT TAX	\$	900.00
80-52-07	INSURANCE BENEFITS	\$	23,000.00
80-52-08	RETIREMENT BENEFITS	\$	5,700.00
80-52-09	LIFE/DISABILITY INSURANCE	\$	500.00
80-52-10	WORKMEN'S COMPENSATION	\$	4,250.00
80-52-11	OVERTIME	\$	4,750.00
	Subgroup : Personnel Services	\$	152,500.00

FY-2024 PAONIA ADOPTED BUDGET

SANITATION EXPENSES

SANITATION			
SANITATION OPERATING EXPENSES			
80-52-15	OFFICE SUPPLIES	\$	2,000.00
80-52-16	OPERATING SUPPLIES	\$	1,500.00
80-52-17	POSTAGE	\$	2,500.00
80-52-20	LEGAL, ENGINEERING & PROFESSIONAL SERVICES	\$	5,500.00
80-52-21	AUDIT & BUDGET EXPENSE	\$	7,700.00
80-52-22	REPAIRS & MAINTENANCE	\$	2,500.00
80-52-23	VEHICLE EXPENSE	\$	15,000.00
80-52-24	RENTALS	\$	5,000.00
80-52-25	SHOP EXPENSE	\$	2,500.00
80-52-26	TRAVEL, MEETINGS & TRAININGS	\$	1,000.00
80-52-27	INSURANCE & BONDS	\$	6,800.00
80-52-28	UTILITIES	\$	3,000.00
80-52-29	TELEPHONE & INTERNET	\$	1,400.00
80-52-30	PUBLISHING ADS	\$	-
80-52-31	DUES & SUBSCRIPTIONS	\$	2,700.00
80-52-32	FEES & PERMITS	\$	1,000.00
80-52-33	DATA PROCESSING	\$	5,000.00
80-52-40	MISCELLANEOUS	\$	1,000.00
80-52-41	WRITEOFF - UNCOLLECTABLE	\$	-
80-52-42	LANDFILL FEES	\$	38,100.00
80-52-43	CLEAN UP DAYS	\$	7,000.00
	Subgroup : Operating Expenses	\$	111,200.00
SANITATION			
SANITATION CAPITAL OUTLAY & TRANSFERS			
80-52-70	CAPITAL OUTLAY	\$	-
80-52-71	PASS THROUGH FUNDS	\$	-
80-52-75	GRANT PROJECTS	\$	-
80-52-76	BUILDING IMPROVEMENTS	\$	-
80-52-77	MACHINERY & EQUIPMENT	\$	-
80-52-99	TRANSFERS	\$	-
	Subgroup : Sanitation Capital Outlay & Transfers	\$	-
SANITATION			
SANITATION DEPRECIATION			
80-59-99	DEPRECIATION	\$	57,800.00
	Subgroup : Sanitation Depreciation	\$	57,800.00
SANITATION FUND			
TOTAL REVENUES	\$	321,500.00	
TOTAL EXPENDITURES	\$	321,500.00	
NET INCOME (LOSS) - Wastewater Utility		\$	-

TOWN OF PAONIA
2024
NORTH FORK VALLEY AIRPORT

North Fork Valley Airport - East Apron Rehabilitation

Total Capital Cost: \$52,500.00

Department: Capital Improvement Fund
Type: Other

Timeline: 04/01/2024 to 12/31/2024

Request description:

Rehabilitation of the East Apron for the North Fork Valley Airport. Estimated project cost is \$630,000 with a local match requirement of \$70,000 - 75% of the Cost of the local match is the Town’s Responsibility due to the Memorandum of Understanding between Delta County and the Town of Paonia, requiring a local match from the Town of Paonia in the amount of \$52,500.

Capital Costs	FY2024	Total
Dues & Subscriptions		\$0.00
Legal, Engineering and Professional Services		\$0.00
Contracts		\$0.00
Machinery & Equipment		\$0.00
Building Improvements	\$52,500.00	\$52,500.00
Grant Projects		\$0.00
Total	\$52,500.00	\$52,500.00

Funding Source	FY2024	Total
Water Fund		\$0.00
Wastewater Fund		\$0.00
Sanitation Fund		\$0.00
General Fund	\$52,500.00	\$52,500.00
Total	\$52,500.00	\$52,500.00

FY-2024 PAONIA ADOPTED BUDGET

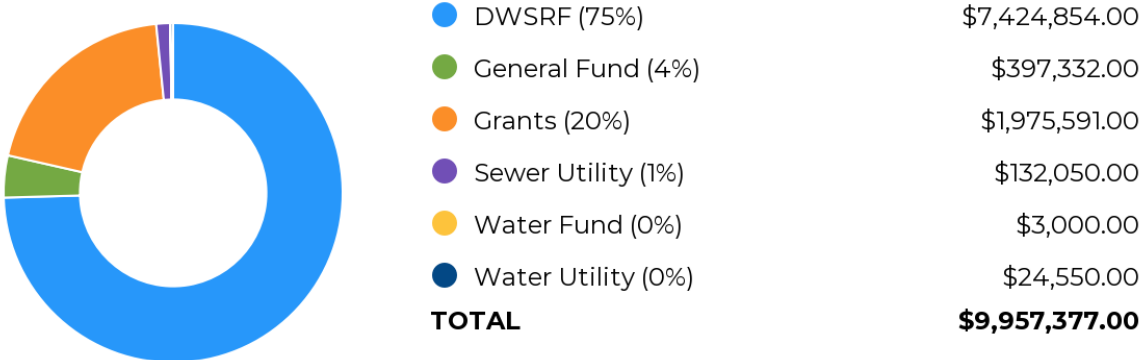
NORTH FORK VALLEY AIRPORT

ACCOUNT	DESCRIPTION	ADOPTED FY-24 BUDGET
NFV AIRPORT		
NFV AIRPORT REVENUE		
50-31-06	AIRPORT REVENUE	\$ 3,100.00
50-31-15	TRANSFER FROM GENERAL FUND RESERVE	\$ 75,492.00
50-31-16	CAPITAL IMPROVEMENT FUND - AIRPORT GRANTS	\$ -
	Subgroup : Total Revenue	\$ 78,592.00
NFV AIRPORT		
NFV AIRPORT CAPITAL OUTLAY & TRANSFERS		
50-32-70	CAPITAL OUTLAY	\$ 78,592.00
80-52-71	PASS THROUGH FUNDS	\$ -
80-52-75	GRANT PROJECTS	\$ -
80-52-76	BUILDING IMPROVEMENTS	\$ -
80-52-77	MACHINERY & EQUIPMENT	\$ -
80-52-99	TRANSFERS	\$ -
	Subgroup : NFV Capital Outlay & Transfers	\$ 78,592.00
NFV AIRPORT		
NFV AIRPORT DEPRECIATION		
80-59-99	DEPRECIATION	\$ -
	Subgroup : NFV Depreciation	\$ -
NFV AIRPORT		
TOTAL REVENUES	\$	78,592.00
TOTAL EXPENDITURES	\$	78,592.00
NET INCOME (LOSS) - NFV CAPITAL IMPROVEMENT FUND		

TOWN OF PAONIA
2024
CAPITAL IMPROVEMENT PLAN

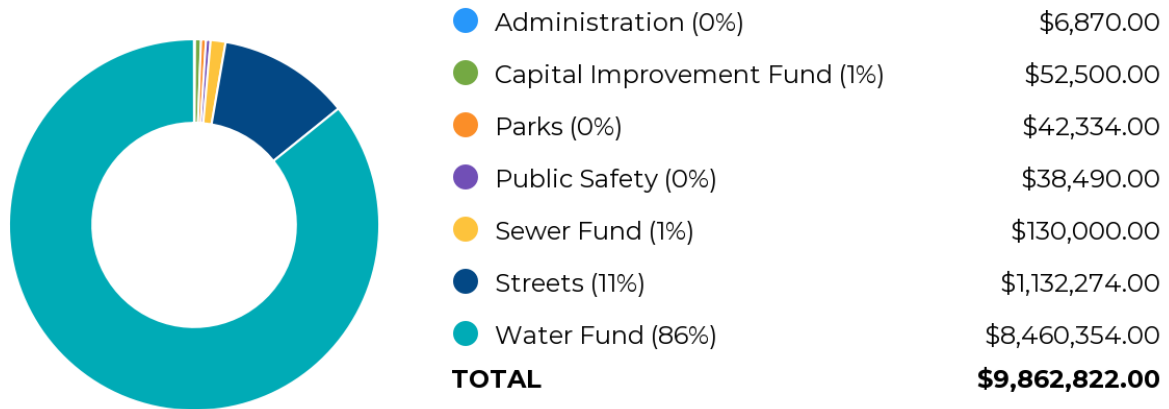
PAONIA CAPITAL IMPROVEMENT PLAN

Funding Source By All Years

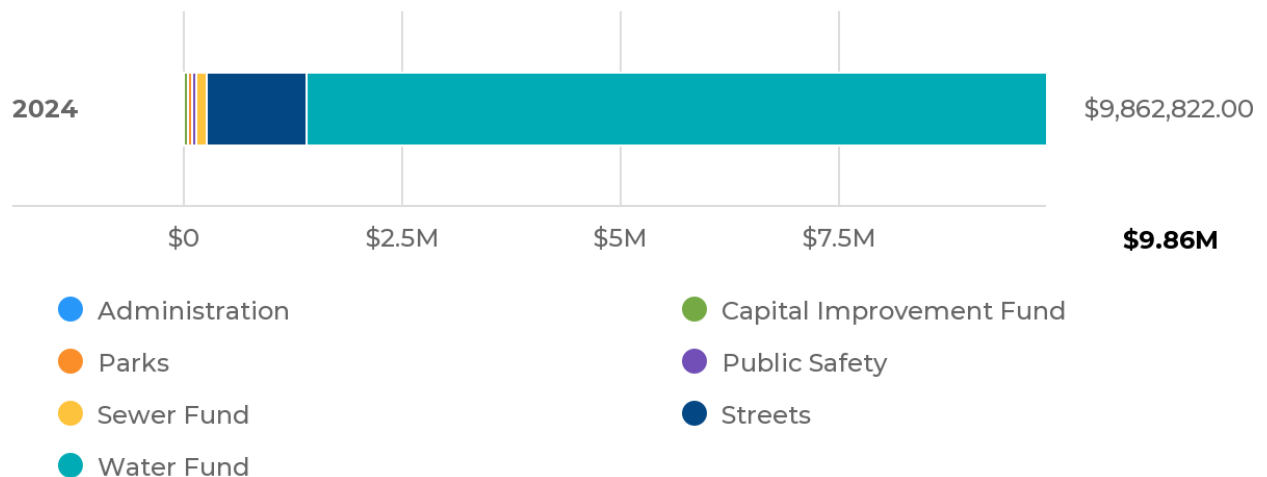


PAONIA CAPITAL IMPROVEMENT PLAN

Capital Costs By Department (all years)



Capital Costs By Department (per year)



Funding Source	Project Number	Request Title	Project Total	To Date	FY2024	FY2025	FY2026	FY2027	FY2028	Total
DWSRF		Phase I - Raw Water Metering - Raw Water Improvements	\$851,248.00		\$851,248.00					\$851,248.00
		Phase I - 8-inch Steel Distribution Line Replacement - Raw Water System Improvements	\$5,237,306.00		\$5,237,306.00					\$5,237,306.00
		Phase I - Drinking Water Capital Improvement Plan - 2MG Finished Water Tank Relining	\$1,336,300.00		\$1,336,300.00					\$1,336,300.00
Total DWSRF			\$7,424,854.00	\$0.00	\$7,424,854.00	\$0.00	\$0.00	\$0.00	\$0.00	\$7,424,854.00
General Fund		Bathroom Renovations at Town Park	\$42,334.00		\$42,334.00	\$0.00	\$0.00	\$0.00	\$0.00	\$42,334.00
		North Fork Valley Airport - East Apron Rehabilitation	\$52,500.00		\$52,500.00					\$52,500.00
		Sidewalk Design & Repair	\$150,000.00		\$50,000.00		\$50,000.00		\$50,000.00	\$150,000.00
		5th & Grand Realignment - "Safe Pathways for Paonia"	\$115,183.00		\$115,183.00					\$115,183.00
		Police Department Flooring (High Traffic Industrial Carpet)	\$2,000.00		\$2,000.00					\$2,000.00
		Motorola Spillman FLEX Mobile software	\$40,103.00		\$27,915.00	\$2,871.00	\$2,985.00	\$3,104.00	\$3,228.00	\$40,103.00
		Bulletproof vests for patrol personnel	\$12,475.00		\$4,975.00		\$2,500.00	\$2,500.00	\$2,500.00	\$12,475.00
		Red Dot Sight Systems for officer carried patrol handgun	\$8,100.00		\$3,600.00		\$1,500.00	\$1,500.00	\$1,500.00	\$8,100.00
		Codification	\$25,000.00		\$5,000.00	\$5,000.00	\$5,000.00	\$5,000.00	\$5,000.00	\$25,000.00
		Critical Operating Parts for Treatment Plants (spare parts)	\$0.00		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
		Small Roller	\$40,000.00		\$36,000.00	\$1,000.00	\$1,000.00	\$1,000.00	\$1,000.00	\$40,000.00
		Portable welder/generator	\$2,900.00		\$2,500.00	\$100.00	\$100.00	\$100.00	\$100.00	\$2,900.00
		Fleet Vehicles	\$94,000.00		\$45,500.00	\$45,500.00	\$1,000.00	\$1,000.00	\$1,000.00	\$94,000.00
		CGFOA dues for Staff Accountant	\$500.00		\$100.00	\$100.00	\$100.00	\$100.00	\$100.00	\$500.00
		CGFOA training for Staff Accountant	\$2,500.00		\$500.00	\$500.00	\$500.00	\$500.00	\$500.00	\$2,500.00
		Lobby seating & Computer Equipment for Finance	\$750.00		\$750.00					\$750.00
		Desk for Town Clerk	\$750.00		\$750.00					\$750.00
		Clerk Training	\$7,000.00		\$3,000.00	\$1,000.00	\$1,000.00	\$1,000.00	\$1,000.00	\$7,000.00
		NAGARA Subription Dues	\$1,375.00		\$225.00	\$250.00	\$275.00	\$300.00	\$325.00	\$1,375.00
		Text My Gov	\$8,500.00		\$4,500.00	\$1,000.00	\$1,000.00	\$1,000.00	\$1,000.00	\$8,500.00
Total General Fund			\$605,970.00	\$0.00	\$397,332.00	\$57,321.00	\$66,960.00	\$17,104.00	\$67,253.00	\$605,970.00
Grants		5th & Grand Realignment - "Safe Pathways for Paonia"	\$1,010,591.00		\$1,010,591.00					\$1,010,591.00
		Phase I - Drinking Water Capital Improvement Plan - 2MG Finished Water Tank Relining	\$965,000.00		\$965,000.00					\$965,000.00
		Critical Operating Parts for Treatment Plants (spare parts)	\$0.00		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total Grants			\$1,975,591.00	\$0.00	\$1,975,591.00	\$0.00	\$0.00	\$0.00	\$0.00	\$1,975,591.00
Sanitation Fund		Bathroom Renovations at Town Park	\$0.00		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total Sanitation Fund			\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Sewer Utility		Portable welder/generator	\$2,050.00		\$2,050.00					\$2,050.00
		Jet/Vac Trailer	\$130,000.00		\$130,000.00					\$130,000.00
Total Sewer Utility			\$132,050.00	\$0.00	\$132,050.00	\$0.00	\$0.00	\$0.00	\$0.00	\$132,050.00

Funding Source	Project Number	Request Title	Project Total	To Date	FY2024	FY2025	FY2026	FY2027	FY2028	Total
Wastewater Fund		Bathroom Renovations at Town Park	\$0.00		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
		Clerk Training	\$4,000.00			\$1,000.00	\$1,000.00	\$1,000.00	\$1,000.00	\$4,000.00
		Text My Gov	\$4,000.00			\$1,000.00	\$1,000.00	\$1,000.00	\$1,000.00	\$4,000.00
Total Wastewater Fund			\$8,000.00	\$0.00	\$0.00	\$2,000.00	\$2,000.00	\$2,000.00	\$2,000.00	\$8,000.00
Water Fund		Bathroom Renovations at Town Park	\$0.00		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
		Police Department Flooring (High Traffic Industrial Carpet)	\$0.00		\$0.00					\$0.00
		Motorola Spillman FLEX Mobile software	\$0.00		\$0.00					\$0.00
		Bulletproof vests for patrol personnel	\$0.00		\$0.00					\$0.00
		Red Dot Sight Systems for officer carried patrol handgun	\$0.00		\$0.00					\$0.00
		Codification	\$0.00		\$0.00					\$0.00
		Public notice funds	\$7,500.00	\$0.00	\$1,500.00	\$1,500.00	\$1,500.00	\$1,500.00	\$1,500.00	\$7,500.00
		ESRI addons	\$7,500.00		\$1,500.00	\$1,500.00	\$1,500.00	\$1,500.00	\$1,500.00	\$7,500.00
		CGFOA dues for Staff Accountant	\$0.00		\$0.00					\$0.00
		CGFOA training for Staff Accountant	\$0.00		\$0.00					\$0.00
		Lobby seating & Computer Equipment for Finance	\$0.00		\$0.00					\$0.00
		Scanner for Finance	\$0.00		\$0.00					\$0.00
		Desk for Town Clerk	\$0.00		\$0.00					\$0.00
		Clerk Training	\$4,000.00		\$0.00	\$1,000.00	\$1,000.00	\$1,000.00	\$1,000.00	\$4,000.00
		NAGARA Subription Dues	\$0.00		\$0.00					\$0.00
		Text My Gov	\$4,000.00		\$0.00	\$1,000.00	\$1,000.00	\$1,000.00	\$1,000.00	\$4,000.00
		CMCA and IIMC dues	\$0.00		\$0.00					\$0.00
Total Water Fund			\$23,000.00	\$0.00	\$3,000.00	\$5,000.00	\$5,000.00	\$5,000.00	\$5,000.00	\$23,000.00
Water Utility		Critical Operating Parts for Treatment Plants (spare parts)	\$75,000.00		\$15,000.00	\$15,000.00	\$15,000.00	\$15,000.00	\$15,000.00	\$75,000.00
		Portable welder/generator	\$2,050.00		\$2,050.00					\$2,050.00
		Fleet tools	\$7,500.00		\$7,500.00					\$7,500.00
Total Water Utility			\$84,550.00	\$0.00	\$24,550.00	\$15,000.00	\$15,000.00	\$15,000.00	\$15,000.00	\$84,550.00
Total Funding Sources			\$10,254,015.00	\$0.00	\$9,957,377.00	\$79,321.00	\$88,960.00	\$39,104.00	\$89,253.00	\$10,254,015.00

Department	Project Number	Request Title	Project Total	To Date	FY2024	FY2025	FY2026	FY2027	FY2028	Total
Administration		Codification	\$0.00							
		CGFOA dues for Staff Accountant	\$0.00							
		CGFOA training for Staff Accountant	\$0.00							
		Lobby seating & Computer Equipment for Finance	\$750.00		\$750.00					\$750.00
		Scanner for Finance	\$300.00		\$300.00					\$300.00
		Desk for Town Clerk	\$750.00		\$750.00					\$750.00
		Clerk Training	\$0.00							
		NAGARA Subription Dues	\$0.00							
		Text My Gov	\$4,500.00		\$4,500.00					\$4,500.00
		CMCA and IIMC dues	\$570.00		\$570.00					\$570.00
Total Administration			\$6,870.00	\$0.00	\$6,870.00	\$0.00	\$0.00	\$0.00	\$0.00	\$6,870.00
Capital Improvement Fund		North Fork Valley Airport - East Apron Rehabilitation	\$52,500.00		\$52,500.00					\$52,500.00
Total Capital Improvement Fund			\$52,500.00	\$0.00	\$52,500.00	\$0.00	\$0.00	\$0.00	\$0.00	\$52,500.00
Parks		Bathroom Renovations at Town Park	\$42,334.00		\$42,334.00					\$42,334.00
Total Parks			\$42,334.00	\$0.00	\$42,334.00	\$0.00	\$0.00	\$0.00	\$0.00	\$42,334.00
Public Safety		Police Department Flooring (High Traffic Industrial Carpet)	\$2,000.00		\$2,000.00					\$2,000.00
		Motorola Spillman FLEX Mobile software	\$27,915.00		\$27,915.00					\$27,915.00
		Bulletproof vests for patrol personnel	\$12,475.00		\$4,975.00		\$2,500.00	\$2,500.00	\$2,500.00	\$12,475.00
		Red Dot Sight Systems for officer carried patrol handgun	\$8,100.00		\$3,600.00		\$1,500.00	\$1,500.00	\$1,500.00	\$8,100.00
Total Public Safety			\$50,490.00	\$0.00	\$38,490.00	\$0.00	\$4,000.00	\$4,000.00	\$4,000.00	\$50,490.00
Sewer Fund		Jet/Vac Trailer	\$130,000.00		\$130,000.00					\$130,000.00
Total Sewer Fund			\$130,000.00	\$0.00	\$130,000.00	\$0.00	\$0.00	\$0.00	\$0.00	\$130,000.00
Streets		Sidewalk Design & Repair	\$150,000.00		\$50,000.00		\$50,000.00		\$50,000.00	\$150,000.00
		5th & Grand Realignment - "Safe Pathways for Paonia"	\$1,040,774.00		\$1,040,774.00					\$1,040,774.00
		Small Roller	\$35,000.00		\$35,000.00					\$35,000.00
		Portable welder/generator	\$6,500.00		\$6,500.00					\$6,500.00
Total Streets			\$1,232,274.00	\$0.00	\$1,132,274.00	\$0.00	\$50,000.00	\$0.00	\$50,000.00	\$1,232,274.00
Water Fund		Phase I - Raw Water Metering - Raw Water Improvements	\$851,248.00		\$851,248.00					\$851,248.00
		Phase I - 8-inch Steel Distribution Line Replacement - Raw Water System Improvements	\$5,237,306.00		\$5,237,306.00					\$5,237,306.00
		Phase I - Drinking Water Capital Improvement Plan - 2MG Finished Water Tank Relining	\$2,301,300.00		\$2,301,300.00					\$2,301,300.00
		Critical Operating Parts for Treatment Plants (spare parts)	\$75,000.00		\$15,000.00	\$15,000.00	\$15,000.00	\$15,000.00	\$15,000.00	\$75,000.00
		Public notice funds	\$7,500.00		\$1,500.00	\$1,500.00	\$1,500.00	\$1,500.00	\$1,500.00	\$7,500.00
		ESRI addons	\$7,500.00		\$1,500.00	\$1,500.00	\$1,500.00	\$1,500.00	\$1,500.00	\$7,500.00

Department	Project Number	Request Title	Project Total	To Date	FY2024	FY2025	FY2026	FY2027	FY2028	Total
		Fleet tools	\$7,500.00		\$7,500.00					\$7,500.00
		Fleet Vehicles	\$90,000.00		\$45,000.00	\$45,000.00				\$90,000.00
Total Water Fund			\$8,577,354.00	\$0.00	\$8,460,354.00	\$63,000.00	\$18,000.00	\$18,000.00	\$18,000.00	\$8,577,354.00
Total Departments			\$10,091,822.00	\$0.00	\$9,862,822.00	\$63,000.00	\$72,000.00	\$22,000.00	\$72,000.00	\$10,091,822.00

ASSET INVENTORY/CAPITAL IMPROVEMENT PLAN

TOWN OF PAONIA



September 2021

Prepared by



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Asset Inventory and Capital Improvement Plan

TOWN OF PAONIA

PREPARED BY
BRANDYN BAIR, PE – CIVIL ENGINEER

SGM Project # 2013-471.008

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1.0 Executive Summary

1.1 Project Overview

SGM was selected by the Town of Paonia (Town) through a competitive RFP process to complete an Asset Inventory/Capital Improvement Plan. This Asset Inventory/Capital Improvement Plan was funded in part through a Department of Local Affairs (DOLA) Grant to complete a comprehensive assessment of all the Town's assets. This project includes documenting current conditions and assessing buildings, infrastructure, open spaces, and park facilities in order to document informed deficiencies, recommendations, and corresponding cost estimates for proposed capital projects. This Assessment is planned to be used by the Town of Paonia for planning and budgeting and is also part of a larger succession planning effort for Town Hall; creating a roadmap for current and future needs.

The assessment includes the following components:

1. This report which provides narrative descriptions of buildings, parks, streets, water, wastewater, etc., recommendations, and a summary of the corresponding cost estimates.

1.2 Document Scope and Purpose

SGM completed multiple site visits during 2020 to begin the Asset Inventory/Capital Improvement Plan. SGM then developed this report to summarize the existing condition of Town assets and proposed capital improvements and their associated costs.

1.3 Capital Assessment Format

Each asset category has its own section including a general description, a summary of condition assessment, recommended improvements, and estimated costs

2.0 Street System

2.1 Streets

The Town's street and road system consists of mainly asphalt roadways with some gravel roads which are largely alleyways or short dead end branches. The Town maintains roads within its boundaries which are:

- Intersection of 4th and Grand to the north.
- Intersection of Samuel Wade and Highway 133 to the west. Note: side streets between Highway 133 and the North Fork of the Gunnison River are the responsibilities of the County.
- Intersection of Mathews Lane and Niagara Ave, intersection of 1st St and Lamborn Mesa Rd, and the intersection of Colorado Ave and Meadowbrook Blvd to the South
- Intersection of 7th St and Black Bridge Rd to the east

The total street and road system consists of approximately 2.35 miles of asphalt roadways and 0.24 miles (1,275 feet) of concrete paved roadways.

2.1.1 Streets Condition Assessment

SGM conducted an assessment of the Town's roads using the Pavement Surface Evaluation and Rating (PASER) method. The PASER method considers surface defects, cracking and surface deformations in determining the rating. A copy of PASER manual is provided in the appendices.

SGM walked all of the streets in Town and rated each section which was defined as the segment of roadway between streets. The PASER system provides a range of ratings, from a 10 for to a newly constructed road to a 1 for roads that have completely failed. Table 2-1 summarizes the condition of the Town's roads; a map of the streets and their ratings is attached in Appendix A.

Table 2-1 PASER Ratings

PASER Rating	Number of sections
1 (Failed)	3
2 (Very Poor)	8
3 (Poor)	21
4 (Fair)	23
5 (Fair)	24
6 (Good)	13
7 (Good)	4
8 (Very Good)	0
9 (Excellent)	4
10 (Excellent)	0

Except for the newly repaved sections, most sections of the roads exhibit moderate to severe surface wear and defects referred to as raveling and polishing.

- Raveling is the progressive loss of asphalt material and the loss of the bond between aggregate and the binder which results in the deterioration of the road surface. Exposure to UV light and regular vehicle traffic can also contribute to raveling.
- Polishing is the smoothing of the exposed aggregate caused by vehicle and traffic loading.

Virtually all sections of the roads exhibit some type of surface cracking. Surface cracking is generally caused by fatigue from traffic, inadequate or deteriorating subgrade support, temperature changes and hardening over time. Surface cracks tend to fall within the following categories:

- Longitudinal cracks run in the direction of traffic. Moisture can seep beneath the road and cause the subgrade to weaken which can contribute to the cracks expanding if the cracks are not sealed or maintained.
- Transverse cracks run perpendicular to traffic. If not addressed, transverse cracks will develop parallel cracks which will allow additional moisture to penetrate the road and weaken the subgrade.
- Block/Alligator cracks are interconnected forming blocks. Large blocks (larger than ~1ft) are categorized as block cracking and smaller blocks (less than ~1ft) are alligator cracking. If not addressed, chunks of asphalt can separate from the road and create potholes.

2.1.2 Street Monitoring Requirements

The Town should perform an inspection of all the roads at a minimum of every 3 years. The Town should use either the PASER method or another rating/evaluation method – the key component of these inspections is to be consistent with the method of evaluation over time.

- Long Term Pavement Plan
Any road from the recent PASER evaluation with a rating of 5 or less should be slated for repaving. A per-year budget for paving operations should be established in conjunction with the Delta County paving plans.
- Routine Maintenance, Gravel Roads
Gravel/dirt roads should be regraded in the late spring each year to mitigate potholing and washboarding that forms over the previous year.
- Routine Maintenance, Asphalt Roads
Once a road is repaved, chip and seal (chip seal) is recommended to provide a wearing course and significantly lengthen the lifespan of the asphalt. Chip sealing is generally recommended for lower-traffic roads but may be applicable for all of the Town's roads. In addition, crack sealing should be performed each year on asphalt roads to prevent water infiltration and potholing.

2.1.3 Street Improvement Recommendations

The Town should consider repairing critical streets, particularly those with the worst PASER ratings. Sections of roads that have a PASER rating of 6 or greater are good candidates for chip seal application. Using chip seal of these sections would serve to extend the life of these sections by adding a protective layer to the roadway surface.

Chip sealing is not recommended for roads with a PASER rating of 5 or less; any temporary benefits provided by the chip sealing would quickly degrade due to the poor condition of the underlying roads.

Estimated 2020 costs for road rehabilitation options are shown in Table 2-2. Costs are estimated based on bid tabulations from nearby communities for 2020 projects.

Table 2-2 Estimated 2020 Paving Costs

Operation	Cost per SF
Full Road Rebuild	\$10.55 ¹
Pavement Milling	\$0.25 ²
Asphalt Overlay	\$1.75 ²
3/8" Chip Seal	\$0.35
Fog Seal	\$0.05

Notes: 1. Assume 18" pit run with 6" Class 6 base and 4" Asphalt
2 - Cost reflects 2" depth

The Town should consider setting aside an amount annually to fund street and road resurfacing and repairs. Included in this reserve are the repairs of curb and gutter and sidewalks. The Town needs to plan for upgrading and installing ADA compliant ramps at intersections and pedestrian safety improvements where applicable. It is recommended that the Town strive to reserve \$100,000 - 150,000 per year for improvements.

2.1.4 Curb/Gutter/Sidewalks

SGM assessed the curb/gutter and sidewalks throughout Town. Each side of the block was assessed and tabulated. The assessment is provided in Appendix A. The assessment was done visually with the following rating system:

- Very Good – Few or no cracking, little to no surface wear; no tree impacts
- Good – Low cracking; minor surface wear; low tree impacts
- Moderate – Modest cracking; some surface wear; some tree impacts
- Poor – Substantial cracking; high surface wear; high tree impacts

The intent of the rating is to provide the Town a general sense of the condition of the curb/gutter/sidewalk in a given block. Additional follow-up is necessary to determine the exact extents of potential replacement of the curb/gutter and sidewalks in a given block.

Table 2-3 Estimated 2020 Concrete Costs

Operation	Cost
Sidewalk	\$56/SY
Curb and Gutter	\$40/LF

3.0 Water System

The existing water system (Colorado Public Water System ID NO. CO0115601) is composed of multiple spring sources and associated raw water infrastructure, two water treatment plants, two finished water storage tanks, and multiple miles of distribution piping.

3.1 Distribution System

The Town's treated water distribution system consists of approximately 22.7 miles of piping, all fed by gravity from the WTP. The table below provides a summary of the system's piping.

Table 3-1 Distribution System Piping Summary

Pipe Diameter (in)	Pipe Material	Length (ft)
0.75	HDPE	590
2	HDPE	294
2	PVC	4,618
4	DIP	3,719
4	PVC	16,618
5	Cast Iron	3,787
6	Cast Iron	1,057
6	DIP	10,150
6	PVC	23,650
8	DIP	6,184
8	PVC	36,398
8	Steel	8,197
10	DIP	2,835
12	HDPE	652
12	PVC	995
Total		119,744

3.1.1 Hydraulic Model

A hydraulic model was not included in our scope, but is currently being developed by another consultant. Distribution condition assessment should be reevaluated at the completion of hydraulic model project to determine if lines need to be upgraded due to pressure or fire flow concerns.

3.1.2 Distribution System Condition Assessment

SGM used the GIS map for this assessment. Mapping included water mains, service connections/meter pits, valves, fire hydrants, pressure reducing valve vaults, water storage tanks, and water treatment plants. In addition to the length of water main indicated above, we recorded 90 fire hydrants (and valves) and 156 water system valves.

The Town noted the several sections of the distribution piping where there are significant problems. These are highlighted in red within the spreadsheet. These areas include Lee's Trailer Park where the existing water mains are run underneath the trailers, thin wall PVC (not C900) between the air and vacuum valve to Minnesota Creek Road, and multiple locations of the 5 and 6-inch cast iron pipes that are corroding, causing significant emergency waterline repairs on a yearly basis.

The spreadsheet (assessment) is provided in Appendix B. This spreadsheet, in conjunction with the GIS map provides the Town with a road map to methodically replace aging infrastructure. As detailed in the spreadsheet, SGM evaluated every section of distribution line within the system, attached a install date, estimated an original cost, and established a useful life based on industry standards. From this information, we estimated remaining useful life and future repairs and replacement costs.

3.1.3 Distribution System Capital Improvement Recommendations

As shown on the spreadsheet there is an estimated future replacement cost of **\$112,890,303**, not including water system valves and fire hydrants. Understand this number represents every line in the system and many of these lines still have multiple years remaining of estimated useful life. SGM has highlighted the sections (red) that should be the Town's highest priority for replacement, with a total replacement cost of **\$3,204,277**.

The second priority (highlighted yellow) list should be replacing the 8-inch steel pipe that is approaching its useful life. This has a total replacement cost of **\$2,480,537**.

3.2 Water Treatment Plant (WTP)

The Lamborn Mesa WTP was commissioned in 1983 and upgraded in 2015. The system includes the following: raw water supply from multiple springs sources, raw water pumps, three membrane filter skids (two production (600 gpm), one recycle (48 gpm)), backwash systems, chlorine injection, clearwell, and finish water pumps to pump water to Lamborn Mesa storage tank.

The Clock WTP was upgraded in 2010. The system includes the following: raw water supply from multiple springs sources, prefiltration through bag filters, two membrane skids, backwash systems, chlorine injection, and gravity flow to Clock storage tank.

3.2.1 WTP Process Assessment

Most of the WTP's process equipment at both plants appears to be in working condition and has been reasonably maintained. The piping, instrumentation, and chlorine disinfection equipment appear to be all functioning.

3.2.2 WTP Capital Improvement Projects

Given that both WTP's have been upgraded within the last 10 years to comply with CDPHE regulations SGM isn't recommending any capital projects associated with the WTP's. We have included replacement cost on the asset spreadsheet, but those should be used more as planning numbers if new water treatment plants are needed.

3.3 Water Storage Tanks

The Town has two finished water storage tanks, Lamborn Mesa Tank and the Clock Tank.

3.3.1 Lamborn Mesa Tank

The Lamborn Mesa Tank was built in 1983 and is located above the Lamborn Mesa WTP. It has a capacity of 2,000,000 gallons. The Lamborn Mesa Tank is a welded steel tank that is

approximately 32 feet tall and has a 152-foot diameter. The water tank has the appropriate overflow, drain line, manway access, and tank vent. Access to the roof is by a locked caged ladder. The tank site has security fencing and a locked gate at the access road

- Lamborn Mesa Tank had the interior and exterior coating replaced in 2005. Spreadsheet estimates future rehab/replacement.

3.3.2 Clock Tank

The Clock Tank was built in the 1960's and is located at the Clock WTP. It has a capacity of 1,000,000 gallons. The Clock Tank is a below grade concrete tank with metal roof that is approximately 130 feet x 105 feet x 10 tall. The tank has the appropriate overflow and drain lines, and venting. Access to tank is gained through locked door as part of roof structure. The tank site has security fencing and a locked gate.

- Clock Tank was rehabbed in 2015 and recoated in 2018. Spreadsheet estimates future rehab/replacement.

3.4 Water System Funding Opportunities

- USDA Rural Development
- CO-Water Pollution Revolving Fund Program
- CO-DOLA Energy and Mineral Impact Assistance Fund (EIAF)
- CO-CDPHE Water Quality Improvement Fund
- EPA-Federal Resources for Sustainable Rural Communities

4.0 Wastewater System

The existing wastewater collection system receives wastewater from residential and commercial customers and conveys it to the Wastewater Treatment Plant (WWTP, Colorado Discharge Permit System Number CO0047431). The collection system is entirely a gravity system, consisting of service laterals, manholes, and gravity sewer mains.

4.1 Collection System

As shown in the table, there is approximately 10.5 miles of pipe in the Town's collection system. The collection system is composed of approximately 63% PVC piping and 37% vitrified clay piping (VCP).

Table 4-1 Wastewater Collection System Summary

Pipe Diameter (in)	Pipe Material	Length (ft)
8	PVC, SDR 35	18,176
8	VCP	16,556
10	PVC, SDR 35	6,348
15	PVC, SDR 35	10,599
15	VCP	3,996
Total		55,675

4.1.1 Condition System Condition Assessment

SGM inspected all of the manholes within the Town's wastewater collection system except for a few that were either buried or not accessible. The manholes were all found to be in good condition. Manholes were constructed of concrete and are 4-feet in diameter with 24-inch diameter access covers with lids. In total, rim elevations, condition assessments, and photographs were recorded at 168 manholes as part of this assessment.

The Town noted the section of sewer piping within the 100 block of Dorris Avenue that is seeing significant problems. This also happens to be one of the many sections within Town constructed VCP.

The spreadsheet (assessment) is provided in Appendix C. This spreadsheet, in conjunction with the GIS map provides the Town with a road map to methodically replace aging infrastructure. As detailed in the spreadsheet, SGM evaluated every section of sewer line within the system, attached a install date, estimated an original cost, and established a useful life based on industry standards. From this information, we estimated remaining useful life and future repairs and replacement costs.

4.1.2 Collection System Capital Improvement Recommendations

As shown on the spreadsheet there is an estimated future replacement cost of **\$45,338,563**, not including manholes. Understand this number represents every line in the system and many of these lines still have multiple years remaining of estimated useful life. SGM has highlighted the sections that should be the Town's highest priority for replacement, which happen to be all the VCP lines. The total replacement cost for these lines is **\$3,199,132**.

4.2 Wastewater Treatment Facility (WWTF)

The WWTF was constructed in 2005. The WWTP consists of a manual bar screen, two aerated lagoons, a settling/polishing pond, a serpentine chlorine contact chamber and a dichlorination features. Treated wastewater is discharged to the North Fork of the Gunnison River. The WWTF has a permitted rated capacity of 0.495 MGD and typically treats 0.15 MGD.

4.2.1 WWTF Process Assessment

Generally, the WWTF is in good shape. All the onsite buildings are in excellent shape. The only issue the Town will face are the pending nutrient limitations.

The Colorado Department of Public Health and Environment (CDPHE) has publicly stated that in-stream limits for total nitrogen (TN) and phosphorus will be implemented by 2027. The draft criteria and limits are not anticipated until 2026, but it is expected that the limits will be at least as stringent as the current limits for new domestic wastewater treatment plants in the current Regulation 85. These limits are an annual median of 7 mg/L total inorganic nitrogen (TIN) and 0.7 mg/L phosphorous.

Currently, the WWTF only has a nutrient discharge limit for ammonia. The WWTF has struggled to meet the ammonia limit during colder periods when the biological activity within the lagoons is reduced.

Additional kinetic modeling will be necessary, but our experience suggests that the current lagoons have the capacity to effectively remove biological oxygen demand (BOD), total suspended solids (TSS), and to treat ammonia to the current limits depending on the reaction rate coefficient. The lagoons, however, are not suitable for additional nutrient removal. To effectively reduce the TN, the plant must nitrify the remaining ammonia in an aerobic environment and then denitrify the nitrite and nitrate to nitrogen gas in an anoxic environment. For phosphorous removal enhanced biological processes are necessary; these are not possible in a lagoon system. As legislation progresses Paonia will likely need to abandon the existing lagoons and replace the system with a mechanical plant that is capable of nutrient removal.

4.2.2 WWTF Capital Improvements Projects

Planning for the possibility of needing a new mechanical plant that can achieve nutrient removal is critical. Additionally, if more reliable ammonia removal is desired with the existing lagoons, sludge removal is recommended.

- Mechanical WWTF: **\$13,891,933**

4.3 Wastewater System Funding Opportunities

- USDA Rural Development
- CO-Water Pollution Revolving Fund Program
- CO-DOLA Energy and Mineral Impact Assistance Fund (EIAF)
- CO-CDPHE Water Quality Improvement Fund
- EPA-Federal Resources for Sustainable Rural Communities

5.0 Buildings

5.1 Town Hall

Town Hall was constructed in 1983. It is ~6,200 square feet in size and houses most municipal departments, the Public Works, Town Manager, the Town Clerk, the Town Council Chambers and the Police Department.



The purpose of this section is not to represent all recommended projects, but rather to highlight which projects are recommended for higher priorities. Most recommended projects involve improving asset durability to minimize maintenance or repairing deteriorated assets that require immediate attention. The Town has indicated that they are planning for future expansions of Town Hall, the Police office, and the Police storage yard/impound lot. Costs for these expansions are not included in this study.

5.1.1 Town Hall Summary of Findings

Structural Integrity

- a. Description: The building structure of Town Hall appears to consist of a wood frame roof, masonry and wood frame walls. The floors are a mix of slab-on-grade and engineered floor joists over a crawl space with concrete stem wall and footing foundation. The floors joists showed signs of being inadequately sized. Interior finishes consist primarily of acoustical ceiling tiles, drywall, and carpet and tile floors. A CMU and stucco/EIFS addition was added to the west (back) of building. Overall condition is Fair.
- b. Discussion:
 - i. The TPO roof membrane that was observed appeared to be in good condition, access issues limited the amount of roof to be observed. The age of roof should be compared to standard useful life of similar product and assessed accordingly.
 - ii. Retrofit windows on the second floor are not of similar material and color as the original windows. There are exposed fasteners and damaged frames from installation.
 - iii. Exterior finishes are damaged in several locations, specifically broken brick veneer at entry pier and several cracks and holes in the EIFS. It is recommended the EIFS be repaired and the stucco patched.
 - iv. The floor joists appear to be undersized in several locations. Deflection is evident when walking in meeting room, and signs of similar deflection can be seen in the Public Works area where the floor tiles and grout are cracked and broken. It is recommended that the floors be assessed and repaired to meet minimal deflection criteria.

Architectural Conditions

- a. The interior and exterior finishes of the Town Hall consist primarily of acoustical ceiling tiles, drywall, and carpet and tile floors. As previously mentioned, the tile floors in the Public Works area show damage from insufficient underlayment rigidity. The kitchen, which it is assumed is used during public meetings, shows signs of

damage and deterioration. The entry vestibule has a damaged store-front window. Several vinyl tiles in the Mechanical Room are loose and damaged.

- b. Discussion:
 - i. Most finishes can be repaired and/or replaced as needed, however some issues may need to be addressed for public health and safety concerns.
 - ii. The damaged flooring may indicate a substantially undersized floor joist system and should be assessed.
 - iii. The kitchen cabinets and counter tops show areas of delamination which can trap food and be a source of food-borne illnesses. This represents a public health issue in the form of a health safety concern. It is recommended that the damaged areas be repaired or replaced.
 - iv. There are burn marks on the countertop which may indicate a malfunctioning appliance. This represents a fire safety concern. It is recommended that the range be repaired or replaced.

Durability / Maintenance

- a. The majority of the Town Hall building consists of brick and concrete masonry unit walls that are very durable with regular attention to painting or coating. Roofing should be assessed as noted previously. The doors in the entry vestibule should be fitted with kick-plates to protect them from water damage caused by routine cleaning of the floor.

5.1.2 Town Hall - Summary of Recommendations

- 1. Repair inadequate floor joists and replace finishes:
 - Joist repair \$25,000
 - Finished flooring removal & replacement \$10,000
 - Cost estimate: \$35,000**
- 2. EIFS Repair
 - Patch and new finish coat \$12,500
 - Cost estimate: \$12,500**
- 3. Kitchen Replacement
 - Cabinet replacement \$11,500
 - Appliance replacement \$2,500
 - Cost estimate: \$14,000**
- 4. Perform appropriate maintenance to maximize remaining useful life:
 It is recommended that this facility have an annual maintenance budget, separate from repair and replacement projects, equal to or above the following dollar figure, which includes estimates for basic labor and basic materials.
Maintenance examples – door and hardware repairs/parts, seasonal annual boiler system tune-up. Touch up painting, etc. (budgeted in replacement budget).
Cost estimate: \$1,500

5.2 Town Shop

There are three main buildings on the Town Shop lot that are used by the town – a 4000 square foot metal building, a 2000 square foot CMU building and a 4500 square foot pole barn vehicle and sand storage area.

5.2.1 Town Shop - Metal Building - Summary of Findings

Structural Integrity

- a. Description: The Town Shop building is a pre-engineered metal building with an interior mezzanine above a CMU office/storage area. The building is also a potable water distribution center. Several metal panels and trim pieces are dented and torn. With the exception of an abandoned water supply penetration, the interior insulation panels are mostly intact, with a few tears. The interior painted plywood walls are in good condition, and the slab shows only minor cracking. The overall building is in fair shape.
- b. Discussion:
 - i. The metal siding and trim are damaged in several areas. Most damage doesn't affect the integrity of the shell, however, there are some tears and abandoned penetrations that are not sealed against water intrusion. The worst of these is the abandoned water supply penetration, located below the current potable water supply line. Due to the amount of damage to the entire exterior of the building, it is recommended that the siding be replaced.

Architectural Conditions

- a. Description: The abandoned water supply penetration is unsealed and has rags hanging out of it. This condition could represent a health safety concern as it is located directly under the current potable water supply line. The windows of the shop building are single paned, putty glazed aluminum, with deteriorating interior plywood trim. The guardrail for the mezzanine represents a life safety concern as it is too low and poorly built to provide required fall protection.
- b. Discussion:
 - i. Minimally, the penetrations for both the current and the abandoned water supply should be properly patched and insulated.
 - ii. The mezzanine guardrail should be replaced with one that meets or exceeds current OSHA and/or IBC code requirements.
 - iii. The existing windows provide the minimal possible protection and R-value for the interior of the shop building. It is recommended that the windows be replaced and that the sills and jambs be refinished.
 - iv. The doors are in fair condition but it is recommended that they be replaced at the same time as the siding.

5.2.2 Town Shop - Auxiliary Buildings - Summary of Findings

Structural Integrity

- a. Description: The Town Shop also has two auxiliary buildings, a CMU storage building, and a pole barn/sand storage area. The CMU building is shared with another owner but is in remarkably good shape for its age. The pole barn framing is in good condition but there is some rust damage to purlins. The roof is metal on plywood sheathing and wood rafters. It is partially sided by corrugated metal. The sand storage area is predominantly wood framed and plywood sided.

- b. Discussion:
 - i. The CMU building has some minor insulation and drywall damage, and a wood framed street facing door that needs to be repainted to preserve the wood.
 - ii. The pole barn frame is in good shape, but the siding is damaged in several places. The damage doesn't affect the function of the building as a storage barn.
 - iii. The sand storage area is showing significant weathering of the plywood siding and should be repaired to maintain the function of the building.

Architectural Conditions

- a. Description: The abandoned water supply penetration is unsealed and has rags hanging out of it and could represent a health safety concern as it is located directly under the current potable water supply line. The windows of the shop building are single paned, putty glazed aluminum, with deteriorating interior plywood trim. The guardrail for the mezzanine is represents a health safety concern as it is too low and poorly built to provide required fall protection.
- b. Discussion:
 - i. Minimally, the penetrations for both the current and the abandoned water supply should be properly patched and insulated.
 - ii. The mezzanine guardrail should be replaced with one that meets or exceeds current OSHA and/or IBC code requirements.
 - iii. The existing windows provide the minimal possible protection and R-value for the interior of the shop building. It is recommended that the windows be replaced and that the sills and jambs be refinished.

5.2.3 Town Shop - Summary of Recommendations

- 1. Replace and repair siding, windows, and doors:

-Siding removal & replacement	\$28,500
-Window and door replacement	\$7,500
Cost estimate:	\$36,000

- 2. Perform appropriate maintenance to maximize remaining useful life:
 If the structure is to be retained, it is recommended that this facility have an annual maintenance budget, separate from repair and replacement projects, equal to or above the following dollar figure.
Maintenance examples – painting, siding and window repair, etc. (budgeted in replacement budget).
Cost estimate: **\$1,000**

5.3 Apple Valley Park Buildings

Apple Valley Park has three/four buildings on the site – a 500 square foot freestanding picnic shelter, a 350 square foot restroom building, a small pumphouse, and a structure that may not belong to the town, referred to here as the storage building.

5.3.1 Apple Valley Park - Summary of Findings

Structural Integrity

a. Description:

- i. The picnic shelter is a wood structure on a slab on grade. The posts of the shelter are glue laminated timbers and rest directly on concrete. The structure had been painted initially but much of the finish has been weathered away. The shelter is in poor condition
- ii. The restroom is a CMU building with a gabled wood rafter roof, sided with plywood and covered with metal panels. The restroom is closely surrounded by trees that have grown since the restroom was built. The exterior finishes are weather worn. The restroom is in fair condition.
- iii. The pumphouse is a wood structure with metal siding and roof. The pumphouse is in fair-poor condition.
- iv. The storage building is a CMU structure with a CMU retaining wall located just to the north of the parking lot. The building and retaining wall are in dangerously poor condition.

b. Discussion:

- i. The picnic shelter is showing signs water damage in several locations and is in poor condition. The posts that are in contact with the concrete are beginning to deteriorate at the steel connections. The roof sheathing is significantly decayed. It is recommended that the sheathing be replaced and that the columns be repaired or replaced with pressure treated wood and connected to the slab with a post based separate the post for the slab by no less than 2 inches.
- ii. The exterior wood of the restroom is showing signs of deterioration and the building, as a whole, is in fair condition. The metal roof is damaged in places and is in poor condition. Several trees have grown up and around the restroom. The close proximity of the trees may cause damage to the foundation. It is recommended that the closest trees be removed and that the wood siding and fascia be repaired and protected from further weathering. It is also recommended that the metal roofing be replaced with proper fascia protection.
- iii. The pumphouse is in fair-poor condition. The metal roofing and siding is dented in several locations, and the ends of the roof rafters are showing minor signs of decay. The damage doesn't affect the function of the building.
- iv. The storage building is in very poor condition. It has been built into a hill with insufficient structure to retain the movement of the hill. The building and retaining wall are severely slanted by the movement of the hill, and, due to the proximity to a public park, represents a strong life safety risk to the public.

Durability / Maintenance

- a. The CMU walls and metal doors of the restroom are very durable with regular attention to painting or coating. The wood elements of the shelter and the restroom need regular repainting to protect and preserve them. Wood protected from the

elements is expected to have a life span of 50 to 100 years. Repainting every 5 years is typically recommended.

5.3.2 Apple Valley - Summary of Recommendations

1. Repair and replacement for Restroom and Shelter elements

-Restroom roof removal & replacement	\$5,000
-Shelter roof removal & replacement	\$4,500
-Shelter column repair	\$4,500

Cost estimate: \$14,000

2. Perform appropriate maintenance to maximize remaining useful life:

It is recommended that this facility have an annual maintenance budget, separate from repair and replacement projects, equal to or above the following dollar figure.

Maintenance examples –door and hardware repairs/parts, repair garage doors when needed, gates, fencing, etc. (budgeted in replacement budget).

Cost estimate: \$1,000

5.4 Town Park - Teen Center and Auxiliary Buildings

Town Park has five buildings on the site – the Teen Center, a 5000 square foot metal building, a 1000 square foot CMU and wood roof restroom building, a 2000 square foot picnic shelter (shelter #1), a 500 square foot picnic shelter (shelter #2), and a 600 square foot storage building.

5.4.1 Town Park - Summary of Findings

Structural Integrity

a. Description:

- i. The Teen Center is a prefabricated metal building on a slab on grade. The ceiling is finished with OSB sheathing, so it is assumed that the roof structure is wood trusses. The exterior was recently re-sided and is in good condition. The interior is in poor condition, with visible signs of water damage in several locations.
- ii. The restroom is a CMU building with a gabled wood rafter roof, sided with plywood and covered with metal panels. The split faced CMU walls are in good condition and the exterior wood finishes are in fair condition.
- iii. Shelter #1 is CMU and concrete columns on a slab on grade. The roof is wood framed with metal roofing panels. The shelter is in fair condition.
- iv. Shelter #2 is steel pipe columns on a slab on grade. The roof is wood framed with metal roofing panels. The shelter is in fair condition.
- v. The storage building is a prefabricated metal building, in fair-poor condition.

b. Discussion:

- i. The Teen Center appears to be in good condition structurally.
- ii. The restroom building is in good-fair condition, but the metal roof panels, and the exterior wood finishes need some repairs and maintenance to prolong their useful life spans.

- iii. Shelter #1 is in fair condition. The wood roof framing appears to be protected, but the roof panels appear damaged and should be repaired and/or replaced. The slab on grade has several cracks that should be sealed to prevent additional damage from water penetration and the freeze-thaw cycle.
- iv. Shelter #2 is in fair condition. The roof appears to have been replaced recently and is in good condition. The trusses and steel framing are showing some minor water damage; however, the newer roof should mitigate further damage.
- v. The storage building's metal panels are dented and rusted in several locations. The type of damage won't affect the function of the building as a storage area but does indicate the building is reaching the end of its useful life.

Architectural Conditions

- a. The interior finishes of the Teen Center consist primarily of OSB ceiling, drywall, and concrete and tile floors. The condition of the interior, as a whole, is poor. Many damaged floor tiles, unfinished bathroom chases, cracked and unfinished drywall, and loose and moldy OSB ceiling panels all need to be replaced.
- b. Discussion:
 - i. Loose and damaged OSB ceiling panels should be repaired or replaced.
 - ii. It is recommended that the kitchen flooring be replaced.
 - iii. The unfinished and delaminated kitchen countertops represent a health safety concern in a public facility.

Durability / Maintenance

- a. The CMU walls and metal doors of the restroom are very durable with regular attention to painting or coating. The wood elements of the shelter and the restroom need regular repainting to protect and preserve them. Wood protected from the elements is expected to have a life span of 50 to 100 years. Repainting every 5 years is typically recommended.

5.4.2 Town Park - Summary of Recommendations

1. Teen Center interior finishes

-Restroom repairs	\$2,000
-Vinyl flooring removal & replacement	\$12,000
-Kitchen replacement	\$50,000
Cost estimate:	\$64,000

2. Auxiliary building repairs

-Restroom roof removal & replacement	\$6,000
-Shelter roof removal & replacement	\$8,500
Cost estimate:	\$14,500

3. Perform appropriate maintenance to maximize remaining useful life:
 It is recommended that this facility have an annual maintenance budget, separate from repair and replacement projects, equal to or above the following dollar figure.
Maintenance examples –door and hardware repairs/parts, repair garage doors when needed, gates, fencing, etc. (budgeted in replacement budget).

Cost estimate:	\$2500
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5.5 Clock Water Treatment Plant (WTP)

The WTP consists of three buildings. The pump building is a 2,500 square foot prefabricated metal building that was upgraded in 2010. The second is a 13,800 square foot concrete tank with steel framed roof structure that was added in with metal roof and wall panels. The third is a dilapidated pole barn structure.

5.5.1 Clock Water Treatment Plant (WTP) - Summary of Findings

Structural Integrity

- a. Description: The newer pump building is a relatively new premanufactured metal building and is in good condition with the exception of minor overhead door damage. The original tank is board formed concrete and has had thrust blocks added when the tank was renovated. The tank is covered with a steel frame building with metal roofing and siding panels. The overall condition is good. The pole barn is a wood structure in dangerously poor condition.
- b. Discussion:
 - i. The overhead door has a damaged track and weather stripping and should be repaired.
 - ii. The downspouts on the east side of tank building have been removed and it's recommended that they be replaced.
 - iii. The pole barn structure represents a threat to life safety. It is beyond repair and should be removed.

Durability / Maintenance

- a. Metal panel roofing and siding is typically considered to have a life expectancy of 40 to 70 years. Wood windows, doors, and trim need regular repainting to protect and preserve them. Wood protected from the elements is expected to have a life span of 50 to 100 years. Repainting every 5 years is typically recommended. As noted previously, repainting of the pump house building is recommended at this time.

Mechanical Integrity

- a. Description: Building is heated by gas fired unit heaters. The ventilation is via side wall exhaust fans and door louvers.

Other

- a. What was visible of the electrical system appeared to be in working order and in good condition.

5.5.2 Clock Water Treatment Plant (WTP) - Summary of Recommendations

1. Repairs to overhead door and downspouts:
Cost estimate: \$1,000
2. Perform appropriate maintenance to maximize remaining useful life:
 It is recommended that this facility have an annual maintenance budget, separate from repair and replacement projects, equal to or above the following dollar figure.
Maintenance examples – door and hardware repairs/parts, touch up painting, etc. (budgeted in replacement budget).
Cost estimate: \$1,000

5.6 Lamborn Mesa Water Treatment Plant (WTP)

The original 1,000 square foot WTP was constructed in 1983 and the new 2,700 square foot addition was built in 2015.

5.6.1 Lamborn Mesa Treatment Plant (WTP) - Summary of Findings

Structural Integrity

- a. Description: Both the original WTP and new addition to the WTP are premanufactured buildings on a concrete foundation with a slab on grade floor. The condition of the original WTP building is fair and the new WTP building is good.
- b. Discussion:
 - i. The siding of the original building is showing signs of age, however, any damage or wear doesn't affect the function of the building.

Durability / Maintenance

- a. Metal panel roofing and siding are typically considered to have a life expectancy of 40 to 70 years. Any damage should be taken care of regularly. No other maintenance is typically needed.

Mechanical Integrity

- a. Description: The building is heated via two (2) gas fired unit heaters. Several roof exhaust fans are incorporated with side wall louvers for humidity control. One (1) small exhaust fan and a space heater are used in the chlorine room. A small tank style electric water heater (6 gallon & 1500W) serves sink area.

5.6.2 Lamborn Mesa Treatment Plant (WTP) - Summary of Recommendations

1. Perform appropriate maintenance to maximize remaining useful life:
It is recommended that this facility have an annual maintenance budget, separate from repair and replacement projects, equal to or above the following dollar figure.
Maintenance examples – door and hardware repairs/parts, touch up painting, etc. (budgeted in replacement budget).
Cost estimate: \$1,000

5.7 Wastewater Treatment Facility (WWTF)

The WWTF consists of two buildings. The office/control building is 110 square feet and the chemical building is 675 square feet. Both are wood framed buildings with aluminum siding and asphalt shingle roofing constructed in 2005.

5.7.1 Wastewater Treatment Facility (WWTF) - Summary of Findings

Structural Integrity

- a. Description: Overall condition of the buildings is good. The Chemical Building has minor damage to the exterior door and to the siding near the dumpster.

Durability / Maintenance

- a. Aluminum panel siding is typically considered to have a lifespan of 20 to 40 years. An asphalt shingle roof is typically considered to have a lifespan of 20 to 40 years, as

well. Annual inspections, repair, and routine maintenance will help extend the usable lifespan of the material.

Other

- a. What was visible of the electrical system appeared to be in working order and in good condition.

5.7.2 Wastewater Treatment Facility (WWTF) - Summary of Recommendations

1. Repair damage to door and siding:
Cost estimate: \$1,000

2. Perform appropriate maintenance to maximize remaining useful life:
It is recommended that this facility have an annual maintenance budget, separate from repair and replacement projects, equal to or above the following dollar figure.
Maintenance examples – door and hardware repairs/parts, touch up painting, etc. (budgeted in replacement budget).
Cost estimate: \$1,000

5.8 Building Funding Opportunities

Possible funding opportunities can include:

- State and Federal grants for aging Municipal Bldgs (EFFICIENTGOV)
- USDA Rural Development
- National Association of Counties
- Community Development Block Grant (CDBG)
 - Colorado Municipal League (CML)

Appendix A

Street Information

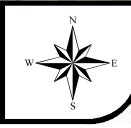
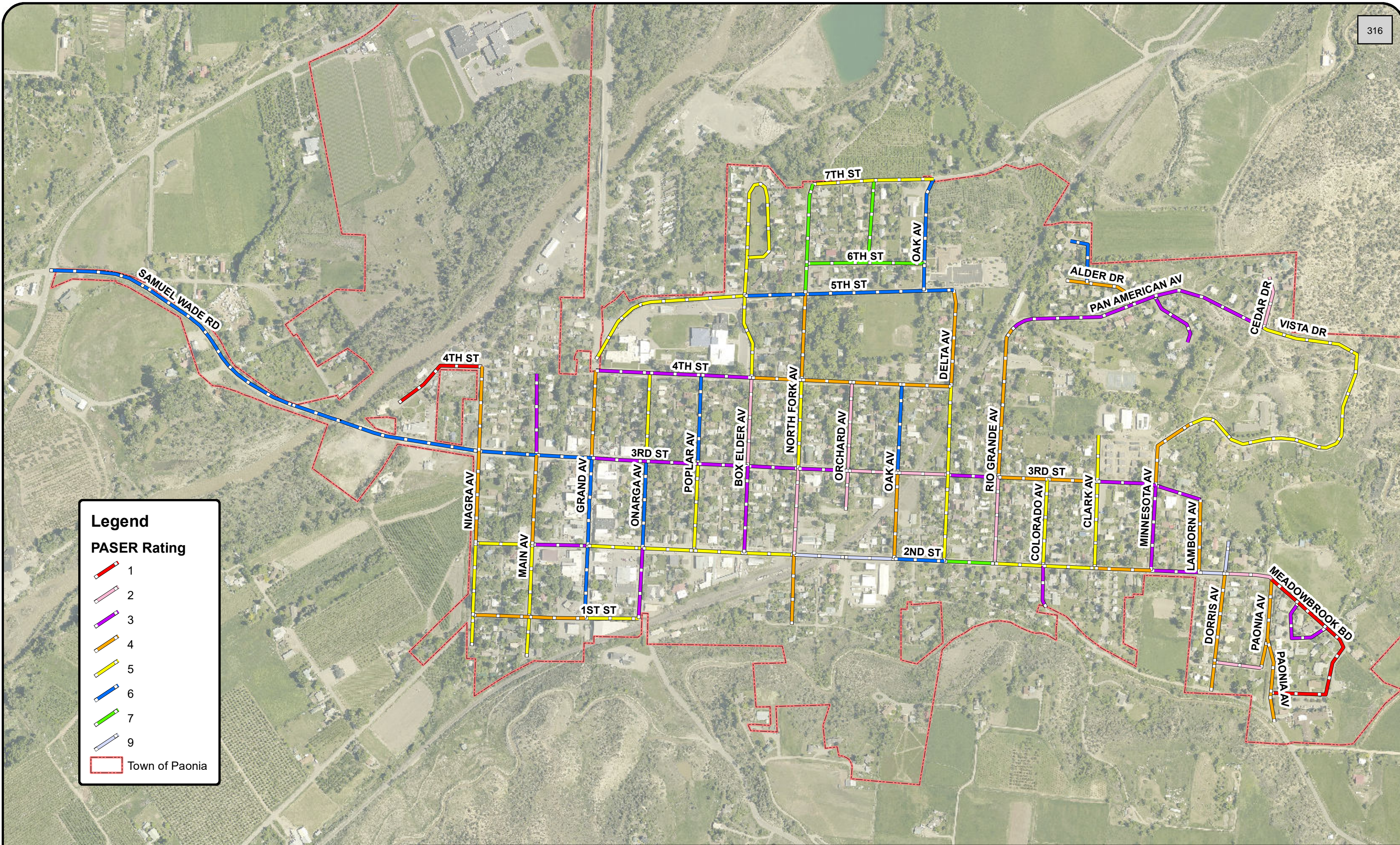
PASER Rating Map
Curb/Gutter/Sidewalk Assessment

Legend

PASER Rating

-  1
-  2
-  3
-  4
-  5
-  6
-  7
-  9

 Town of Paonia



A- Sidewalk attached to curb/gutter V- Vertical curb face
 D- Sidewalk detached to curb/gutte R- Rollover curb face

Street	Block	Sidewalk	Curb and Gutter	Trees	Condition	Comments	Comments
N Fork	5th to 7th	North - None South - None	North - None South - None				
N Fork	4th to 5th	East - None West - None	East - None West - None		N/A N/A		
N Fork	3rd to 4th	East - Detatched West - Detatched	East - Vertical West - Vertical	East - Yes West - Yes	Moderate Poor	tree damage to sidewalks	
N Fork	2nd to 3rd	East - Detatched West - Detatched	East - Vertical West - Vertical	East - None West - Yes	Moderate Moderate	tree damage to sidewalks	
Box Elder	4th to 5th	East - Detatched West - Attached	East - Vertical West - Vertical	East - Yes West - None	Good Very Good		
Box Elder	3rd to 4th	East - Detatched West - Detatched	East - Vertical West - Vertical	East - Yes West - Yes	Moderate Moderate	road under construction	
Box Elder	2nd to 3rd	East - Detatched West - Detatched	East - Vertical West - Vertical	East - Yes West - Yes	Moderate Moderate	tree damage to sidewalks	
Box Elder	2nd to Box Elder Dr	East - None West - None	East - None West - None				
Box Elder	Box Elder Ave	East - None West - None	East - None West - None				
Grand	3rd to 4th	North - Detatched South - Detatched	North - Vertical South - Vertical	North - Yes South - Yes	Poor Moderate	tree damage to sidewalks tree damage to sidewalks	
Grand	2nd to 3rd	East - Attached West - Attached	East - Vertical West - Vertical		Good Good		
Grand	1st to 2nd	East - Attached West - Attached	East - Vertical West - Vertical		Good Good		
Delta	4th to 5th	East - Detatched West - None	East - Vertical West - None	East - Yes	Moderate		
Delta	3rd to 4th	East - None West - Detatched	East - Vertical West - None			CG not present from RR to 4th SW not presnet from 3rd to RR	
Delta	2nd to 3rd	East - Detatched West - Detatched	East - Vertical West - Vertical	East - Yes West - Yes	Good Good		
Delta	End to 2nd	East - None West - None	East - Vertical West - Vertical		Good Good		
Oak	6th to 7th	North - None South - None	North - None South - None				
Oak	3rd to 4th	East - None West - Attached	East - Vertical West - Vertical		Good Good		
Oak	2nd to 3rd	East - None West - Attached	East - Vertical West - Vertical			CG only from 2nd to RR SW only from RR to 3rd; CG only from 2nd to RR	
1st	Niagara to Main	North - Detatched South - None	North - None South - None	North - Yes			
1st	Main to Grand	North - None South - Detatched	North - None South - None	North - None South - None	Good	SW only from Main to alley	
1st	Grand to Onarga	North - Attached South - None	North - Vertical South - None	South - None	Moderate	SW from alley to Onarga is detatched	
1st	Dorris to Paonia	North - None South - None	North - None South - None				
2nd	Niagara to Main	East - None West - None	East - None West - None	East - None West - None	N/A N/A		
2nd	Main to Grand	North - Attached South - Attached	North - Vertical South - Vertical		Good Good		
2nd	Grand to Onarga	North - Attached South - Attached	North - Vertical South - Vertical		Good Good		
2nd	Onarga to Poplar	North - Attached South - Attached	North - Vertical South - Vertical		Good Good		
2nd	Poplar to Box Elder	North - Attached South - Attached	North - Vertical South - Vertical		Good Good		
2nd	Box Elder to N Fork	North - Detatched South - None	North - Vertical South - None	North - None	Good		
2nd	N Fork to Orchard	North - Detatched South - None	North - None South - None	North - None	Good		
2nd	Orchard to Oak	North - Detatched South - None	North - None South - None	North - None	Good		
2nd	Oak to Delta	North - Detatched South - None	North - None South - Vertical	North - None	Good		
2nd	Delta to Rio Grande	North - Detatched South - None	North - Vertical South - Vertical	North - None	Good		
2nd	Rio Grande to Colorado	North - Detatched South - None	North - Vertical South - Vertical	North - Yes	Moderate	Moderate	
2nd	Colorado to Clark	North - Attached South - None	North - Vertical South - Vertical		Moderate	Moderate	
2nd	Clark to Minnesota	North - None South - None	North - None South - None				
2nd	Minnesota to Lamborn	North - None South - None	North - None South - None				
2nd	Lamborn to Dorris	North - None South - None	North - Vertical South - None		Moderate		
2nd	Dorris to Paonia	North - None South - None	North - None South - None				
Orchard	6th to 7th	North - None South - None	North - None South - None				
Orchard	3rd to 4th	East - Detatched West - Detatched	East - Vertical West - Vertical	East - Yes West - Yes	Poor Moderate	tree damage to sidewalks	
Orchard	2nd to N Fork	East - None West - None	East - None West - None				
Rio Grande	2nd to End	East - None West - None	East - Vertical West - Vertical		Good Good		
Rio Grande	2nd to 3rd	East - None West - Detatched	East - Vertical West - Vertical	West - Yes	Good		
Rio Grande	3rd to 4th	East - None West - None	East - None West - None	East - None West - None	N/A N/A		
Rio Grande	4th to Creek	East - None West - None	East - None West - None	East - None West - None	N/A N/A		
Rio Grande	Creek to End/Gate	East - None West - None	East - None West - None	East - None West - None	N/A N/A		
	Cedar Dr	East - None West - None	East - None West - None	East - None West - None	N/A N/A		
	Box Elder Dr	East - None West - None	East - None West - None	East - None West - None	N/A N/A		
	Alder Ct	North - None South - None	North - None South - None				
5th	Delta to Oak	North - None South - None	North - Vertical South - None		Very Good		
5th	Oak to N Fork	North - None South - None	North - None South - None			concrete drainage channel	
5th	N Fork to Box Elder	North - None South - Detatched	North - None South - None	South - No	Very Good		

5th	Box Elder to Grand	North - None South - None	North - None South - None			
6th	N Fork to Orchard	North - None South - None	North - None South - None			
6th	Orchard to Oak	North - None South - None	North - None South - None			
	Box Elder Loop	North - None South - None	North - None South - None			
7th	N Fork to Orchard	North - None South - None	North - None South - None			
7th	Orchard to Oak	North - None South - None	North - None South - None			
Main	1st to 2nd	East - Detached West - Detached	East - Vertical West - Vertical	East - Yes West - Yes	Poor	tree damage to sidewalks tree damage to sidewalks
Main	2nd to 3rd	North - None South - None	North - None South - None			
Main	3rd to End	North - None South - None	North - None South - None			
4th	Niagara to End	North - Attached South - Attached	North - Vertical South - Vertical	North - None South - None	Poor	tree damage to sidewalks
4th	Grand to Onarga	North - Attached South - Detached	North - Vertical South - Vertical	North - None South - None	Moderate	
4th	Onarga to Poplar	North - Attached South - Detached	North - Vertical South - Vertical	North - Yes South - None	Moderate	
4th	Poplar to Box Elder	North - Attached South - Detached	North - Vertical South - Vertical	North - None South - None	Good	
4th	Box Elder to N Fork	North - Attached South - Detached	North - Vertical South - Vertical	North - None South - Yes	Moderate	concrete drainage channel
4th	N Fork to Orchard	North - None South - Attached	North - Vertical South - Vertical	North - None South - None	Moderate	concrete drainage channel
4th	Orchard to Oak	North - None South - Attached	North - Vertical South - Vertical	North - None South - None	Moderate	concrete drainage channel
4th	Oak to Delta	North - None South - Attached	North - Vertical South - Vertical	North - None South - None	Poor	
Onarga	3rd to 4th	East - Detached West - Detached	East - Vertical West - Vertical	East - Yes West - Yes	Poor	tree damage to sidewalks tree damage to sidewalks
Onarga	2nd to 3rd	East - Detached West - Detached	East - Vertical West - Vertical	East - Yes West - Yes	Moderate	
Onarga	1st to 2nd	East - None West - Detached	East - Vertical West - Vertical	West - Yes	Good	
Poplar	3rd to 4th	East - Detached West - Detached	East - Vertical West - Vertical	East - Yes West - Yes	Moderate	
Poplar	2nd to 3rd	East - Detached West - Detached	East - Vertical West - Vertical	East - Yes West - Yes	Poor	tree damage to sidewalks
Poplar	2nd to End	East - None West - None	East - None West - None			
3rd/Samuel Wade		North - Attached South - None	North - Vertical South - None	South - None	Good	
3rd	Niagara to Main	North - Detached South - None	North - Vertical South - None	North - Yes	Good	Niagara to alley SW attached
3rd	Main to Grand	North - Attached South - Attached	North - Vertical South - Vertical		Moderate	SW detached alley to Grand
3rd	Grand to Onarga	North - Attached South - Attached	North - Vertical South - Vertical	North - None South - None	Good	
3rd	Onarga to Poplar	North - Detached South - Detached	North - Vertical South - Vertical	North - Yes South - None	Poor	
3rd	Poplar to Box Elder	North - Detached South - Detached	North - Vertical South - Vertical	North - Yes South - Yes	Good	
3rd	Box Elder to N Fork	North - Detached South - Detached	North - Vertical South - Vertical	North - Yes South - None	Moderate	
3rd	N Fork to Orchard	North - Detached South - Detached	North - Vertical South - Vertical	North - None South - None	Good	
3rd	Orchard to Oak	North - Detached South - Detached	North - Vertical South - Vertical	North - Yes South - Yes	Moderate	
3rd	Oak to Delta	North - None South - Detached	North - Vertical South - Vertical	North - None South - None	Moderate	CG from RR to Delta only CG from RR to Delta only
3rd	Delta to Rio Grande	North - Detached South - Detached	North - Vertical South - Vertical	North - Yes South - Yes	Moderate	
3rd	Rio Grande to Colorado	North - None South - Detached	North - None South - Vertical	North - None South - Yes	Moderate	
3rd	Colorado to Clark	North - None South - Detached	North - None South - None	South - None	Good	
3rd	Clark to Minnesota	North - None South - Detached	North - None South - None	South - None	Moderate	
3rd	Minnesota to Lamborn	North - None South - None	North - None South - None			
Clark	3rd to End	North - None South - None	East - None West - None			
Clark	2nd to 3rd	North - None South - None	East - Rollover West - Rollover		Good	
Clark	2nd to End	North - None South - None	East - None West - None			
Colorado	2nd to 3rd	East - None West - Detached	East - Vertical West - Vertical	East - None West - Yes	Moderate	
Colorado	2nd to End	East - None West - None	East - None West - None			
Niagara	3rd to 4th	East - None West - None	East - None West - None			
Niagara	2nd to 3rd	East - None West - None	East - None West - None			
Niagara	1st to 2nd	East - None West - None	East - Vertical West - None			
Minnesota	2nd to 3rd	East - None West - None	East - None West - None			
Lamborn	2nd to 3rd	East - None West - None	East - None West - None			
Dorris	2nd to Colorado	East - None West - None	East - None West - None			
Vista	3rd to End	North - Attached South - Attached	North - Rollover South - Rollover		Very Good	
Paonia	1st to 2nd	East - None West - None	East - None West - Rollover			CG is a valleypan
Meadowbrook Ct		East - None West - None	East - Vertical West - Vertical		Good	
Meadowbrook Dr	Paonia to Meadowbrook Ct	East - None West - None	East - Vertical West - Vertical		Good	island has CG island has CG
Meadowbrook Dr	Meadowbrook Ct to Paonia	East - None West - None	East - Vertical West - Vertical		Good	

no CG from alley to Main

Appendix B

Water System Spreadsheet (Assessment)

Water System		General										Replacement							Repair			Maintenance & Repair Notes	
Current Year		2021																					
GIS Object ID	Asset	Location/Notes	Unit	Diameter/Size	Material	Quantity Act or Est	Original Unit Cost Estimated	Original Total Cost Calculated	Installed Date Act or Est	Expected Useful Life Tab A	Remaining Useful Life Calculated	% of life remaining Calculated	Replacement Unit Cost Tab C	Replacement Total Cost Tab C	Inflation Estimated	Remaining Useful Life Committed Calculated	Future Value Factor Calculated	Future Cost of Replacement Estimated	Annual Future Value Factor Calculated	Annual Payment Future Value Calculated	Minor Repair Cost Tab C	Major Repair Cost Tab C	Maintenance & Repair Notes
Water Distribution																							
237	Water main	Box Elder/5th (West)	LF	0.75	HDPE	590	\$100	\$59,014	2020	100	99	99.00%	\$100	\$59,014	2.50%	99	11.526	\$680,171.92	0.0024	\$1,615.52	\$88,521.20	\$177,042.40	
190	Water main	Main Ave (100 Block)	LF	2	HDPE	110	\$75	\$8,247	2000	100	79	79.00%	\$150	\$16,495	2.50%	79	7.034	\$116,019.15	0.0041	\$480.71	\$12,371.02	\$24,742.04	
192	Water main	Main Ave (100 Block)	LF	2	HDPE	103	\$75	\$7,714	2000	100	79	79.00%	\$150	\$15,429	2.50%	79	7.034	\$108,522.27	0.0041	\$449.65	\$11,571.64	\$23,143.27	
195	Water main	Main Ave (100 Block)	LF	2	HDPE	81	\$75	\$6,065	2000	100	79	79.00%	\$150	\$12,130	2.50%	79	7.034	\$85,315.78	0.0041	\$353.50	\$9,097.15	\$18,194.30	
78	Water main	Alder Drive	LF	2	PVC	562	\$50	\$28,100	1980	100	59	59.00%	\$150	\$84,299	2.50%	59	4.292	\$361,851.81	0.0076	\$2,747.56	\$42,149.53	\$84,299.05	
135	Water main	Alder Drive	LF	2	PVC	13	\$50	\$633	1980	100	59	59.00%	\$150	\$1,899	2.50%	59	4.292	\$8,149.37	0.0076	\$61.88	\$949.26	\$1,898.52	
137	Water main	Alder Drive	LF	2	PVC	53	\$50	\$2,639	1980	100	59	59.00%	\$150	\$7,918	2.50%	59	4.292	\$33,986.06	0.0076	\$258.06	\$3,958.79	\$7,917.58	
222	Water main	Alder Court Cul-de-Sac	LF	2	PVC	329	\$50	\$16,434	1980	100	59	59.00%	\$150	\$49,302	2.50%	59	4.292	\$211,628.55	0.0076	\$1,606.91	\$24,651.09	\$49,302.19	
223	Water main	Alder Drive Cul-de-Sac	LF	2	PVC	331	\$50	\$16,532	1980	100	59	59.00%	\$150	\$49,596	2.50%	59	4.292	\$212,890.54	0.0076	\$1,616.49	\$24,798.09	\$49,596.19	
225	Water main	Stub from Minnesota Ave to Park	LF	2	PVC	810	\$50	\$40,502	1980	100	59	59.00%	\$150	\$121,506	2.50%	59	4.292	\$521,563.29	0.0076	\$3,960.26	\$60,753.17	\$121,506.35	
234	Water main	Lee's Trailer Park (Parallel 2" lines)	LF	2	PVC	1751	\$50	\$87,528	1980	100	59	59.00%	\$150	\$262,583	2.50%	59	4.292	\$1,127,130.37	0.0076	\$8,558.37	\$131,291.34	\$262,582.69	Town Priority (lines run underneath trailers)
241	Water main	Niagara Ave (North) of 4th	LF	2	PVC	370	\$50	\$18,487	1980	100	59	59.00%	\$150	\$55,461	2.50%	59	4.292	\$238,063.56	0.0076	\$1,807.63	\$27,730.32	\$55,460.64	
191	Water main	Main Ave (100 Block)	LF	2	PVC	117	\$75	\$8,743	1985	100	64	64.00%	\$150	\$26,230	2.50%	64	4.857	\$127,388.49	0.0065	\$825.79	\$13,115.14	\$26,230.27	
186	Water main	Niagara Ave (100 Block)	LF	2	PVC	284	\$75	\$21,293	1996	100	75	75.00%	\$150	\$42,585	2.50%	75	6.372	\$271,363.43	0.0047	\$1,262.81	\$31,939.10	\$63,878.20	
55	Water main	North Fork Ave 6th to 7th	LF	4	DIP	954	\$50	\$47,692	1970	100	49	49.00%	\$150	\$143,075	2.50%	49	3.353	\$479,770.40	0.0106	\$5,096.83	\$71,537.55	\$143,075.10	
56	Water main	Oak Ave 5th to 7th	LF	4	DIP	20	\$50	\$981	1970	100	49	49.00%	\$150	\$2,943	2.50%	49	3.353	\$9,869.45	0.0106	\$104.85	\$1,471.61	\$2,943.23	
57	Water main	6th/North Fork Ave to Orchard Ave to 7th	LF	4	DIP	934	\$50	\$46,682	1970	100	49	49.00%	\$150	\$140,045	2.50%	49	3.353	\$469,609.41	0.0106	\$4,988.89	\$70,022.46	\$140,044.93	
143	Water main	6th/North Fork Ave to Orchard Ave to 7th	LF	4	DIP	26	\$50	\$1,292	1970	100	49	49.00%	\$150	\$3,875	2.50%	49	3.353	\$12,993.43	0.0106	\$138.04	\$1,937.42	\$3,874.84	
232	Water main	Oak Ave 5th to 7th	LF	4	DIP	987	\$50	\$49,366	1970	100	49	49.00%	\$150	\$148,097	2.50%	49	3.353	\$496,610.21	0.0106	\$5,275.73	\$74,048.50	\$148,096.99	
250	Water main	Delta Ave RR Tracks to 5th	LF	4	DIP	799	\$50	\$39,948	1970	100	49	49.00%	\$150	\$119,845	2.50%	49	3.353	\$401,872.48	0.0106	\$4,269.29	\$59,922.35	\$119,844.71	
14	Water main	Oak Ave 2nd to 3rd	LF	4	PVC	545	\$50	\$27,262	1980	100	59	59.00%	\$150	\$81,787	2.50%	59	4.292	\$351,067.75	0.0076	\$2,665.68	\$40,893.37	\$81,786.74	
148	Water main	Air Vac to Minnesota Creek Road	LF	4	PVC	1738	\$50	\$86,907	1980	50	9	18.00%	\$150	\$260,721	2.50%	9	1.249	\$325,604.95	0.1005	\$32,709.26	\$130,360.56	\$260,721.12	Town Priority
149	Water main	Air Vac to Minnesota Creek Road	LF	4	PVC	5374	\$50	\$268,689	1980	50	9	18.00%	\$150	\$806,068	2.50%	9	1.249	\$1,006,688.54	0.1005	\$101,126.79	\$403,034.02	\$806,068.05	Town Priority
236	Water main	Box Elder/5th to Entrance of Lee's Trailer Park	LF	4	PVC	232	\$50	\$11,604	1980	100	59	59.00%	\$150	\$34,811	2.50%	59	4.292	\$149,426.54	0.0076	\$1,134.61	\$17,405.63	\$34,811.26	
166	Water main	O Rd (East) to Thompson	LF	4	PVC	3442	\$75	\$258,132	1990	100	69	69.00%	\$150	\$774,395	2.50%	69	5.495	\$4,255,092.92	0.0056	\$23,667.10	\$387,197.32	\$774,394.64	
167	Water main	O Rd (West) to German Creek	LF	4	PVC	1791	\$75	\$134,296	1990	100	69	69.00%	\$150	\$402,887	2.50%	69	5.495	\$2,213,755.16	0.0056	\$12,313.05	\$201,443.32	\$402,886.65	
172	Water main	O Rd (West) to German Creek	LF	4	PVC	363	\$75	\$27,251	1990	100	69	69.00%	\$150	\$81,753	2.50%	69	5.495	\$449,210.29	0.0056	\$2,498.54	\$40,876.43	\$81,752.87	
173	Water main	O Rd (West) to German Creek	LF	4	PVC	1217	\$75	\$91,250	1990	100	69	69.00%	\$150	\$273,749	2.50%	69	5.495	\$1,504,176.16	0.0056	\$8,366.32	\$136,874.33	\$273,748.65	
175	Water main	O Rd Crossing to O Rd/40 Lane	LF	4	PVC	1564	\$75	\$117,267	1995	100	74	74.00%	\$150	\$351,802	2.50%	74	6.217	\$2,187,078.88	0.0048	\$10,480.97	\$175,901.04	\$351,802.08	
227	Water main	Silver Leaf Subdivision	LF	4	PVC	353	\$100	\$35,272	2018	100	97	97.00%	\$100	\$35,272	2.50%	97	10.970	\$386,942.03	0.0025	\$970.25	\$52,908.11	\$105,816.21	
23	Water main	Orchard Ave 3rd to 4th	LF	5	CAS	40	\$50	\$2,002	1960	50	-11	-22.00%	\$150	\$6,005	2.50%	1	1.025	\$6,154.88	1.0000	\$6,154.88	\$3,002.38	\$6,004.76	Town Priority
24	Water main	Orchard Ave 3rd to 4th	LF	5	CAS	555	\$50	\$27,743	1960	50	-11	-22.00%	\$150	\$83,228	2.50%	1	1.025	\$85,308.56	1.0000	\$85,308.56	\$41,613.93	\$83,227.87	Town Priority
59	Water main	Box Elder 4th to 5th	LF	5	CAS	597	\$50	\$29,832	1960	50	-11	-22.00%	\$150	\$89,497	2.50%	1	1.025	\$91,734.90	1.0000	\$91,734.90	\$44,748.73	\$89,497.47	Town Priority
76	Water main	Dorris Ave (200 Block)	LF	5	CAS	217	\$50	\$10,833	1960	50	-11	-22.00%	\$150	\$32,499	2.50%	1	1.025	\$33,311.23	1.0000	\$33,311.23	\$16,249.38	\$32,498.76	Town Priority
205	Water main	2nd Street, Minnesota Ave to Dorris Ave	LF	5	CAS	780	\$50	\$39,015	1960	50	-11	-22.00%	\$150	\$117,045	2.50%	1	1.025	\$119,971.23	1.0000	\$119,971.23	\$58,522.55	\$117,045.11	Town Priority
230	Water main	Orchard Ave 4th to 5th	LF	5	CAS	611	\$50	\$30,534	1960	50	-11	-22.00%	\$150	\$91,603	2.50%	1	1.025	\$93,892.74	1.0000	\$93,892.74	\$45,801.33	\$91,602.67	Town Priority
58	Water main	5th/North Fork Ave to Delta Ave	LF	5	CAS	422	\$50	\$21,112	1960	50	-11	-22.00%	\$150	\$63,337	2.50%	1	1.025	\$64,920.58	1.0000	\$64,920.58	\$31,668.57	\$63,337.15	Town Priority
144	Water main	5th/North Fork Ave to Delta Ave	LF	5	CAS	228	\$50	\$11,407	1960	50	-11	-22.00%	\$150	\$34,221	2.50%	1	1.025	\$35,076.07	1.0000	\$35,076.07	\$17,110.28	\$34,220.55	Town Priority
231	Water main	5th/North Fork Ave to Delta Ave	LF	5	CAS	332	\$50	\$16,594	1960	50	-11	-22.00%	\$150	\$49,782	2.50%	1	1.025	\$51,026.26	1.0000	\$51,026.26	\$24,890.86	\$49,781.71	Town Priority
233	Water main	5th/North Fork Ave to Delta Ave	LF	5	CAS	6	\$50	\$291	1960	50	-11	-22.00%	\$150	\$874	2.50%	1	1.025	\$895.90	1.0000	\$895.90	\$437.02	\$874.05	Town Priority
1	Water main	Main Ave 1st to 2nd	LF	6	CAS	233	\$50	\$11,628	1960	50	-11	-22.00%	\$150	\$34,885	2.50%	1	1.025	\$35,757.01	1.0000	\$35,757.01	\$17,442.45	\$34,884.89	Town Priority
2	Water main	Main Ave 1st to 2nd	LF	6	CAS	239	\$50	\$11,947	1960	50	-11	-22.00%	\$150	\$35,840	2.50%	1	1.025	\$36,736.51	1.0000	\$36,736.51	\$17,920.25	\$35,840.50	Town Priority
3	Water main	Main Ave 2nd to 3rd	LF	6	CAS	3	\$50	\$128	1960	50	-11	-22.00%	\$150	\$385	2.50%	1	1.025	\$394.22	1.0000	\$394.22	\$192.30	\$384.61	Town Priority
4	Water main	Main Ave 2nd to 3rd	LF	6	CAS	529	\$50	\$26,449	1960	50	-11	-22.00%	\$150	\$79,348	2.50%	1	1.025	\$81,331.83	1.0000	\$81,331.83	\$39,674.06	\$79,348.13	Town Priority
95	Water main	Main Ave 1st to 2nd	LF	6	CAS	39	\$50	\$1,971	1960	50	-11	-22.00%	\$150	\$5,914	2.50%	1	1.025	\$6,061.37	1.0000	\$6,061.37	\$2,956.77	\$5,913.53	Town Priority
97	Water main	Main Ave 2nd to 3rd	LF	6	CAS	15	\$50	\$748	1960	50	-11	-22.00%	\$150	\$2,244	2.50%	1	1.025	\$2,299.94	1.0000	\$2,299.94	\$1,121.92	\$2,243.84	Town Priority
69	Water main	Minnesota Ave 2nd to 3rd	LF	6	DIP	543	\$50	\$27,166	1970	100	49	49.00%	\$150	\$81,497	2.50%	49	3.353	\$273,282.61	0.0106	\$2,903.21	\$40,748.59	\$81,497.18	
251	Water main																						

51	Water main	Colorado Ave 2nd to 3rd	LF	6	DIP	547	\$75	\$41,028	1998	100	77	77.00%	\$150	\$82,056	2.50%	77	6.695	\$549,350.43	0.0044	\$2,411.63	\$61,542.21	\$123,084.42
39	Water main	3rd/Main (North)	LF	6	DIP	486	\$75	\$36,473	2000	100	79	79.00%	\$150	\$72,945	2.50%	79	7.034	\$513,077.39	0.0041	\$2,125.87	\$54,709.00	\$109,418.00
127	Water main	3rd/Main (North)	LF	6	DIP	3	\$75	\$235	2000	100	79	79.00%	\$150	\$470	2.50%	79	7.034	\$3,303.73	0.0041	\$13.69	\$352.27	\$704.55
65	Water main	Clark Ave 2nd to 3rd	LF	6	DIP	525	\$100	\$52,488	2002	100	81	81.00%	\$100	\$104,976	2.50%	81	7.390	\$775,749.38	0.0039	\$3,035.10	\$78,731.70	\$157,463.39
109	Water main	Clark Ave 2nd to 3rd	LF	6	DIP	21	\$100	\$2,083	2002	100	81	81.00%	\$100	\$4,166	2.50%	81	7.390	\$30,784.10	0.0039	\$120.44	\$3,124.31	\$6,248.63
81	Water main	Box Elder Cul-de-Sac	LF	6	PVC	286	\$50	\$14,305	1980	100	59	59.00%	\$150	\$42,915	2.50%	59	4.292	\$184,209.61	0.0076	\$1,398.72	\$21,457.26	\$42,914.52
132	Water main	Box Elder Cul-de-Sac	LF	6	PVC	651	\$50	\$32,561	1980	100	59	59.00%	\$150	\$97,683	2.50%	59	4.292	\$419,300.43	0.0076	\$3,183.78	\$48,841.30	\$97,682.61
226	Water main	Box Elder Cul-de-Sac	LF	6	PVC	142	\$50	\$7,076	1980	100	59	59.00%	\$150	\$21,229	2.50%	59	4.292	\$91,125.75	0.0076	\$691.92	\$10,614.59	\$21,229.17
181	Water main	Mathews Lane (Niagara Ave to O Road)	LF	6	PVC	1020	\$75	\$76,471	1985	100	64	64.00%	\$150	\$229,413	2.50%	64	4.857	\$1,114,156.18	0.0065	\$7,222.50	\$114,706.68	\$229,413.35
182	Water main	Mathews Lane (Niagara Ave to O Road)	LF	6	PVC	1383	\$75	\$103,731	1985	100	64	64.00%	\$150	\$311,193	2.50%	64	4.857	\$1,511,324.71	0.0065	\$9,797.14	\$155,596.71	\$311,193.41
183	Water main	Mathews Lane (Niagara Ave to O Road)	LF	6	PVC	1700	\$75	\$127,500	1985	100	64	64.00%	\$150	\$382,499	2.50%	64	4.857	\$1,857,622.13	0.0065	\$12,042.01	\$191,249.36	\$382,498.72
184	Water main	Mathews Lane (Niagara Ave to O Road)	LF	6	PVC	909	\$75	\$68,210	1985	100	64	64.00%	\$150	\$204,629	2.50%	64	4.857	\$993,791.13	0.0065	\$6,442.24	\$102,314.63	\$204,629.26
6	Water main	Niagara Ave between 3rd/4th	LF	6	PVC	558	\$75	\$41,823	1990	100	69	69.00%	\$150	\$125,469	2.50%	69	5.495	\$689,417.57	0.0056	\$3,834.58	\$62,734.38	\$125,468.77
40	Water main	Samuel Wade to 4th/Niagara Ave	LF	6	PVC	357	\$75	\$26,791	1990	100	69	69.00%	\$150	\$80,374	2.50%	69	5.495	\$441,635.99	0.0056	\$2,456.41	\$40,187.20	\$80,374.40
129	Water main	Samuel Wade to 4th/Niagara Ave	LF	6	PVC	40	\$75	\$3,029	1990	100	69	69.00%	\$150	\$9,086	2.50%	69	5.495	\$49,923.49	0.0056	\$277.68	\$4,542.85	\$9,085.70
147	Water main	Samuel Wade to 4th/Niagara Ave	LF	6	PVC	681	\$75	\$51,106	1990	100	69	69.00%	\$150	\$153,317	2.50%	69	5.495	\$842,433.94	0.0056	\$4,685.67	\$76,658.29	\$153,316.59
174	Water main	German Creek (West) to O Rd Crossing	LF	6	PVC	1527	\$75	\$114,516	1990	100	69	69.00%	\$150	\$343,549	2.50%	69	5.495	\$1,887,711.61	0.0056	\$10,499.57	\$171,774.60	\$343,549.19
242	Water main	Samuel Wade to 4th/Niagara Ave	LF	6	PVC	701	\$75	\$52,578	1990	100	69	69.00%	\$150	\$157,734	2.50%	69	5.495	\$866,707.48	0.0056	\$4,820.68	\$78,867.09	\$157,734.19
110	Water main	2nd Street	LF	6	PVC	28	\$75	\$2,081	1995	100	74	74.00%	\$150	\$6,242	2.50%	74	6.217	\$38,808.12	0.0048	\$185.98	\$3,121.24	\$6,242.47
7	Water main	Niagara Ave 2nd to 3rd	LF	6	PVC	593	\$75	\$44,505	1996	100	75	75.00%	\$150	\$89,010	2.50%	75	6.372	\$567,192.71	0.0047	\$2,639.48	\$66,757.80	\$133,515.59
82	Water main	Niagara Ave 2nd to 3rd	LF	6	PVC	7	\$75	\$507	1996	100	75	75.00%	\$150	\$1,014	2.50%	75	6.372	\$6,458.61	0.0047	\$30.06	\$760.17	\$1,520.34
94	Water main	Niagara Ave 1st to 2nd	LF	6	PVC	45	\$75	\$3,408	1996	100	75	75.00%	\$150	\$6,816	2.50%	75	6.372	\$43,434.80	0.0047	\$202.13	\$5,112.22	\$10,224.43
96	Water main	Niagara Ave 1st to 2nd	LF	6	PVC	401	\$75	\$30,089	1996	100	75	75.00%	\$150	\$60,178	2.50%	75	6.372	\$383,468.89	0.0047	\$1,784.50	\$45,133.76	\$90,267.52
114	Water main	Meadowbrook Subdivision (Meadowbrook/Paonia Ave)	LF	6	PVC	105	\$75	\$7,895	1998	100	77	77.00%	\$150	\$15,791	2.50%	77	6.695	\$105,716.79	0.0044	\$464.09	\$11,843.16	\$23,686.32
115	Water main	Meadowbrook Subdivision (Meadowbrook/Paonia Ave)	LF	6	PVC	260	\$75	\$19,497	1998	100	77	77.00%	\$150	\$38,993	2.50%	77	6.695	\$261,051.87	0.0044	\$1,146.01	\$29,244.92	\$58,489.84
207	Water main	Meadowbrook Subdivision (Meadowbrook/Paonia Ave)	LF	6	PVC	248	\$75	\$18,596	1998	100	77	77.00%	\$150	\$37,191	2.50%	77	6.695	\$248,988.27	0.0044	\$1,093.05	\$27,893.47	\$55,786.94
210	Water main	Meadowbrook Subdivision (Meadowbrook/Paonia Ave)	LF	6	PVC	507	\$75	\$38,054	1998	100	77	77.00%	\$150	\$76,108	2.50%	77	6.695	\$509,524.78	0.0044	\$2,236.80	\$57,080.65	\$114,161.31
211	Water main	Meadowbrook Subdivision (Meadowbrook/Paonia Ave)	LF	6	PVC	4	\$75	\$278	1998	100	77	77.00%	\$150	\$555	2.50%	77	6.695	\$3,717.33	0.0044	\$16.32	\$416.44	\$832.88
212	Water main	Meadowbrook Subdivision (Meadowbrook/Paonia Ave)	LF	6	PVC	15	\$75	\$1,126	1998	100	77	77.00%	\$150	\$2,252	2.50%	77	6.695	\$15,078.12	0.0044	\$66.19	\$1,689.16	\$3,378.32
213	Water main	Meadowbrook Subdivision (Meadowbrook/Paonia Ave)	LF	6	PVC	351	\$75	\$26,305	1998	100	77	77.00%	\$150	\$52,611	2.50%	77	6.695	\$352,219.34	0.0044	\$1,546.23	\$39,458.16	\$78,916.32
214	Water main	Meadowbrook Subdivision (Meadowbrook/Paonia Ave)	LF	6	PVC	2	\$75	\$179	1998	100	77	77.00%	\$150	\$357	2.50%	77	6.695	\$2,391.61	0.0044	\$10.50	\$267.93	\$535.85
215	Water main	Meadowbrook Subdivision (Meadowbrook/Paonia Ave)	LF	6	PVC	61	\$75	\$4,539	1998	100	77	77.00%	\$150	\$9,077	2.50%	77	6.695	\$60,770.96	0.0044	\$266.78	\$6,808.00	\$13,616.01
257	Water main	Meadowbrook Subdivision (Meadowbrook/Paonia Ave)	LF	6	PVC	344	\$75	\$25,836	1998	100	77	77.00%	\$150	\$51,671	2.50%	77	6.695	\$345,927.34	0.0044	\$1,518.61	\$38,753.28	\$77,506.57
53	Water main	3rd/Rio Grande looped through Vista/Minnesota back to 3rd	LF	6	PVC	499	\$100	\$49,865	2005	100	84	84.00%	\$100	\$99,730	2.50%	84	7.958	\$793,652.92	0.0036	\$2,851.58	\$74,797.52	\$149,595.04
74	Water main	3rd/Rio Grande looped through Vista/Minnesota back to 3rd	LF	6	PVC	81	\$100	\$8,115	2005	100	84	84.00%	\$100	\$16,230	2.50%	84	7.958	\$129,155.02	0.0036	\$464.05	\$12,172.17	\$24,344.33
79	Water main	3rd/Rio Grande looped through Vista/Minnesota back to 3rd	LF	6	PVC	521	\$100	\$52,091	2005	100	84	84.00%	\$100	\$104,182	2.50%	84	7.958	\$829,079.98	0.0036	\$2,978.87	\$78,136.33	\$156,272.66
80	Water main	3rd/Rio Grande looped through Vista/Minnesota back to 3rd	LF	6	PVC	572	\$100	\$57,215	2005	100	84	84.00%	\$100	\$114,430	2.50%	84	7.958	\$910,635.46	0.0036	\$3,271.89	\$85,822.49	\$171,644.99
133	Water main	3rd/Rio Grande looped through Vista/Minnesota back to 3rd	LF	6	PVC	542	\$100	\$54,222	2005	100	84	84.00%	\$100	\$108,445	2.50%	84	7.958	\$863,003.58	0.0036	\$3,100.75	\$81,333.44	\$162,666.89
134	Water main	Cedar Drive to Vista Drive	LF	6	PVC	49	\$100	\$4,906	2005	100	84	84.00%	\$100	\$9,812	2.50%	84	7.958	\$78,082.30	0.0036	\$280.55	\$7,358.84	\$14,717.67
136	Water main	3rd/Rio Grande looped through Vista/Minnesota back to 3rd	LF	6	PVC	487	\$100	\$48,665	2005	100	84	84.00%	\$100	\$97,329	2.50%	84	7.958	\$774,547.05	0.0036	\$2,782.93	\$72,996.89	\$145,993.79
138	Water main	3rd/Rio Grande looped through Vista/Minnesota back to 3rd	LF	6	PVC	264	\$100	\$26,383	2005	100	84	84.00%	\$100	\$52,766	2.50%	84	7.958	\$419,911.00	0.0036	\$1,508.73	\$39,574.35	\$79,148.71
216	Water main	3rd/Rio Grande looped through Vista/Minnesota back to 3rd	LF	6	PVC	1008	\$100	\$100,795	2005	100	84	84.00%	\$100	\$201,589	2.50%	84	7.958	\$1,604,248.39	0.0036	\$5,764.03	\$151,191.78	\$302,383.56
217	Water main	3rd/Rio Grande looped through Vista/Minnesota back to 3rd	LF	6	PVC	73	\$100	\$7,254	2005	100	84	84.00%	\$100	\$14,508	2.50%	84	7.958	\$115,455.55	0.0036	\$444.83	\$10,881.06	\$21,762.13
218	Water main	3rd/Rio Grande looped through Vista/Minnesota back to 3rd	LF	6	PVC	335	\$100	\$33,470	2005	100	84	84.00%	\$100	\$66,941	2.50%	84	7.958	\$532,716.98	0.0036	\$1,914.04	\$50,205.71	\$100,411.42
219	Water main	3rd/Rio Grande looped through Vista/Minnesota back to 3rd	LF	6	PVC	302	\$100	\$30,207	2005	100	84	84.00%	\$100	\$60,415	2.50%	84	7.958	\$480,781.82	0.0036	\$1,727.44	\$45,311.10	\$90,622.20
220	Water main	3rd/Rio Grande looped through Vista/Minnesota back to 3rd	LF	6	PVC	698	\$100	\$69,833	2005	100	84	84.00%	\$100	\$139,667	2.50%	84	7.958	\$1,111,471.80	0.0036	\$3,993.50	\$104,750.24	\$209,500.48
221	Water main	Cedar Drive Cul-de-Sac	LF	6	PVC	273	\$100	\$27,258	2005	100	84	84.00%	\$100	\$54,517	2.50%	84	7.958	\$433,843.90	0.0036	\$1,558.79	\$40,887.45	\$81,774.91
249	Water main	3rd/Rio Grande looped through Vista/Minnesota back to 3rd	LF	6	PVC	74	\$100	\$7,350	2005	100	84	84.00%	\$100	\$14,701	2.50%	84	7.958	\$116,989.44	0.0036	\$420.34	\$11,025.63	\$22,051.25
84	Water main	Stahl Rd to Samuel Wade	LF	6	PVC	750	\$100	\$74,971	2010	100	89	89.00%	\$100	\$149,941	2.50%	89	9.004	\$1,350,037.44	0.0031	\$4,216.88	\$112,456.11	\$224,912.22
85	Water main	Stahl Rd/Samuel Wade (North)	LF	6	PVC	214	\$100	\$21,352	2010	100	89	89.00%	\$100	\$42,704	2.50%	89	9.004	\$384,500.90	0.0031	\$1,201.00	\$32,028.35	\$64,056.71
145	Water main	Stahl Rd to Samuel Wade	LF	6	PVC	10	\$100	\$1,049	2010	100	89	89.00%	\$100	\$2,097	2.50%	89	9.004	\$18,881.94	0.0031	\$58.98	\$1,572.84	\$3,145.67
146	Water main	Stahl Rd/Samuel Wade (North)	LF	6	PVC	6	\$100	\$635	2010	100	89	89.00%	\$100	\$1,269	2.50%	89	9.004	\$11,429.55	0.0031	\$35.70	\$952.06	\$1,904.13
243	Water main	Samuel Wade to 4th/Niagara Ave	LF	6	PVC	156	\$100	\$15,561	2010	100	89	89.00%	\$100	\$31,122	2.50%	89	9.004	\$280,211.99	0.0031	\$875.25	\$23,341.24	\$46,682.48
245	Water main	Samuel Wade to 4th/Niagara Ave	LF	6	PVC	90	\$100	\$9,024	2010	100	89	89.00%	\$100	\$18,047	2.50%	89	9.004	\$162,492.85	0.0031	\$507.55	\$13,535.41	\$27,070.83
244	Water main	Price Rd	LF	6	PVC	275	\$100	\$27,529	2012	100	91	91.00%	\$100	\$55,059	2.50							

140	Water main	North Fork Ave 4th to 6th	LF	8	DIP	7	\$75	\$548	1997	100	76	76.00%	\$150	\$1,095	2.50%	76	6.532	\$7,152.77	0.0045	\$32.33	\$821.34	\$1,642.68
235	Water main	North Fork Ave 4th to 6th	LF	8	DIP	778	\$75	\$58,340	1997	100	76	76.00%	\$150	\$116,680	2.50%	76	6.532	\$762,097.09	0.0045	\$3,444.34	\$87,510.02	\$175,020.05
252	Water main	Paonia Ave/Colorado Ave up Harding Rd to PRV	LF	8	PVC	2048	\$50	\$102,414	1980	100	59	59.00%	\$150	\$307,243	2.50%	59	4.292	\$1,318,834.00	0.0076	\$10,013.99	\$153,621.53	\$307,243.06
253	Water main	PRV to PRV (Dry Gulch Rd)	LF	8	PVC	27	\$50	\$1,337	1980	100	59	59.00%	\$150	\$4,012	2.50%	59	4.292	\$17,223.22	0.0076	\$130.78	\$2,006.21	\$4,012.42
255	Water main	PRV at Dry Gulch Rd to Air Vac	LF	8	PVC	2097	\$50	\$104,840	1980	100	59	59.00%	\$150	\$314,519	2.50%	59	4.292	\$1,350,067.32	0.0076	\$10,251.15	\$157,259.67	\$314,519.35
256	Water main	PRV at Dry Gulch Rd to Air Vac	LF	8	PVC	3099	\$50	\$154,975	1980	100	59	59.00%	\$150	\$464,924	2.50%	59	4.292	\$1,995,675.40	0.0076	\$15,153.29	\$232,461.94	\$464,923.87
150	Water main	Air Vac on Dry Gulch Rd to 2MG Tank	LF	8	PVC	1153	\$75	\$86,500	1985	100	64	64.00%	\$150	\$259,499	2.50%	64	4.857	\$1,260,267.12	0.0065	\$8,169.67	\$129,749.36	\$259,499.72
152	Water main	Air Vac on Dry Gulch Rd to 2MG Tank	LF	8	PVC	3374	\$75	\$253,063	1985	100	64	64.00%	\$150	\$759,189	2.50%	64	4.857	\$3,687,036.30	0.0065	\$23,901.16	\$379,594.61	\$759,189.21
11	Water main	Grand Ave 2nd to 3rd	LF	8	PVC	525	\$75	\$39,356	1990	100	69	69.00%	\$150	\$118,067	2.50%	69	5.495	\$648,744.96	0.0056	\$3,608.36	\$59,033.33	\$118,066.66
12	Water main	Grand Ave 1st to 2nd	LF	8	PVC	435	\$75	\$32,627	1990	100	69	69.00%	\$150	\$97,882	2.50%	69	5.495	\$537,835.61	0.0056	\$2,991.48	\$48,941.00	\$97,882.00
13	Water main	Grand Ave 3rd to 5th	LF	8	PVC	524	\$75	\$39,305	1990	100	69	69.00%	\$150	\$117,915	2.50%	69	5.495	\$647,913.89	0.0056	\$3,603.74	\$58,957.71	\$117,915.41
37	Water main	Grand Ave 3rd to 5th	LF	8	PVC	16	\$75	\$1,210	1990	100	69	69.00%	\$150	\$3,631	2.50%	69	5.495	\$19,950.34	0.0056	\$110.97	\$1,815.41	\$3,630.81
98	Water main	Grand Ave 2nd to 3rd	LF	8	PVC	32	\$75	\$2,371	1990	100	69	69.00%	\$150	\$7,114	2.50%	69	5.495	\$39,091.30	0.0056	\$217.43	\$3,557.16	\$7,114.32
126	Water main	Grand Ave 3rd to 5th	LF	8	PVC	36	\$75	\$2,731	1990	100	69	69.00%	\$150	\$8,192	2.50%	69	5.495	\$45,012.77	0.0056	\$250.36	\$4,095.99	\$8,191.98
238	Water main	High School to Main/4th	LF	8	PVC	2213	\$75	\$165,975	1990	100	69	69.00%	\$150	\$497,924	2.50%	69	5.495	\$2,735,958.50	0.0056	\$15,217.58	\$248,961.85	\$497,923.69
239	Water main	High School to Main/4th	LF	8	PVC	840	\$75	\$62,967	1990	100	69	69.00%	\$150	\$188,901	2.50%	69	5.495	\$1,037,958.68	0.0056	\$5,773.19	\$94,450.30	\$188,900.61
240	Water main	High School to Main/4th	LF	8	PVC	551	\$75	\$41,289	1990	100	69	69.00%	\$150	\$123,867	2.50%	69	5.495	\$680,619.01	0.0056	\$3,785.65	\$61,933.75	\$123,867.50
77	Water main	2nd Street, Lamborn Ave to Paonia Ave	LF	8	PVC	303	\$75	\$22,736	1995	100	74	74.00%	\$150	\$68,207	2.50%	74	6.217	\$424,026.13	0.0048	\$2,032.03	\$34,103.31	\$68,206.63
111	Water main	2nd Street, Lamborn Ave to Paonia Ave	LF	8	PVC	225	\$75	\$16,848	1995	100	74	74.00%	\$150	\$50,543	2.50%	74	6.217	\$314,212.15	0.0048	\$1,505.77	\$25,271.26	\$50,542.52
87	Water main	Tank (2MG) West to Air Vac	LF	8	PVC	26	\$100	\$2,615	2017	100	96	96.00%	\$100	\$2,615	2.50%	96	10.703	\$27,989.35	0.0026	\$72.12	\$3,922.77	\$7,845.54
88	Water main	Tank (2MG) West to Air Vac	LF	8	PVC	2639	\$100	\$263,915	2017	100	96	96.00%	\$100	\$263,915	2.50%	96	10.703	\$2,824,591.12	0.0026	\$7,277.89	\$395,872.90	\$791,745.80
90	Water main	PRV to Omega Rd to Tie In	LF	8	PVC	607	\$100	\$60,747	2017	100	96	96.00%	\$100	\$60,747	2.50%	96	10.703	\$650,151.24	0.0026	\$1,675.19	\$91,120.18	\$182,240.36
130	Water main	PRV to Omega Rd to Tie In	LF	8	PVC	33	\$100	\$3,335	2017	100	96	96.00%	\$100	\$3,335	2.50%	96	10.703	\$35,692.03	0.0026	\$91.96	\$5,002.32	\$10,004.64
159	Water main	Air Vac following Lucas Creek to PRV (Lamborn/Stewart)	LF	8	PVC	4496	\$100	\$449,592	2017	100	96	96.00%	\$100	\$449,592	2.50%	96	10.703	\$4,811,822.32	0.0026	\$12,398.22	\$674,387.89	\$1,348,775.78
161	Water main	Air Vac following Lucas Creek to PRV (Lamborn/Stewart)	LF	8	PVC	2736	\$100	\$273,634	2017	100	96	96.00%	\$100	\$273,634	2.50%	96	10.703	\$2,928,611.40	0.0026	\$7,545.91	\$410,451.58	\$820,903.16
163	Water main	Air Vac following Lucas Creek to PRV (Lamborn/Stewart)	LF	8	PVC	39	\$100	\$3,893	2017	100	96	96.00%	\$100	\$3,893	2.50%	96	10.703	\$41,664.50	0.0026	\$107.35	\$5,839.37	\$11,678.75
164	Water main	Air Vac following Lucas Creek to PRV (Lamborn/Stewart)	LF	8	PVC	120	\$100	\$11,951	2017	100	96	96.00%	\$100	\$11,951	2.50%	96	10.703	\$127,910.69	0.0026	\$329.58	\$17,926.98	\$35,853.95
177	Water main	PRV to Omega Rd to Tie In	LF	8	PVC	659	\$100	\$65,869	2017	100	96	96.00%	\$100	\$65,869	2.50%	96	10.703	\$704,973.95	0.0026	\$1,816.45	\$98,803.71	\$197,607.42
178	Water main	PRV to Omega Rd to Tie In	LF	8	PVC	128	\$100	\$12,786	2017	100	96	96.00%	\$100	\$12,786	2.50%	96	10.703	\$136,844.73	0.0026	\$352.60	\$19,179.10	\$38,358.20
179	Water main	PRV to Omega Rd to Tie In	LF	8	PVC	471	\$100	\$47,051	2017	100	96	96.00%	\$100	\$47,051	2.50%	96	10.703	\$503,566.43	0.0026	\$1,297.50	\$70,575.99	\$141,151.97
180	Water main	PRV to Omega Rd to Tie In	LF	8	PVC	595	\$100	\$59,489	2017	100	96	96.00%	\$100	\$59,489	2.50%	96	10.703	\$636,688.29	0.0026	\$1,640.50	\$89,233.32	\$178,466.64
196	Water main	PRV to Omega Rd to Tie In	LF	8	PVC	263	\$100	\$26,311	2017	100	96	96.00%	\$100	\$26,311	2.50%	96	10.703	\$281,597.17	0.0026	\$725.57	\$39,466.49	\$78,932.97
197	Water main	PRV to Omega Rd to Tie In	LF	8	PVC	57	\$100	\$5,659	2017	100	96	96.00%	\$100	\$5,659	2.50%	96	10.703	\$60,561.38	0.0026	\$156.04	\$8,487.82	\$16,975.63
198	Water main	PRV to Omega Rd to Tie In	LF	8	PVC	44	\$100	\$4,433	2017	100	96	96.00%	\$100	\$4,433	2.50%	96	10.703	\$47,444.61	0.0026	\$122.25	\$6,649.47	\$13,298.94
5	Water main	3rd Street	LF	8	PVC	342	\$100	\$34,240	2018	100	97	97.00%	\$100	\$34,240	2.50%	97	10.970	\$375,619.56	0.0025	\$941.85	\$51,359.94	\$102,719.88
15	Water main	3rd Street	LF	8	PVC	300	\$100	\$29,955	2018	100	97	97.00%	\$100	\$29,955	2.50%	97	10.970	\$328,608.40	0.0025	\$823.98	\$44,931.92	\$89,863.84
22	Water main	3rd Street	LF	8	PVC	311	\$100	\$31,118	2018	100	97	97.00%	\$100	\$31,118	2.50%	97	10.970	\$341,370.65	0.0025	\$855.98	\$46,676.95	\$93,353.91
29	Water main	3rd Street	LF	8	PVC	293	\$100	\$29,259	2018	100	97	97.00%	\$100	\$29,259	2.50%	97	10.970	\$320,982.46	0.0025	\$804.85	\$43,889.19	\$87,778.39
31	Water main	3rd Street	LF	8	PVC	335	\$100	\$33,502	2018	100	97	97.00%	\$100	\$33,502	2.50%	97	10.970	\$367,521.79	0.0025	\$921.55	\$50,252.70	\$100,505.40
36	Water main	3rd Street	LF	8	PVC	325	\$100	\$32,535	2018	100	97	97.00%	\$100	\$32,535	2.50%	97	10.970	\$356,919.30	0.0025	\$894.96	\$48,802.98	\$97,605.96
38	Water main	3rd Street	LF	8	PVC	346	\$100	\$34,646	2018	100	97	97.00%	\$100	\$34,646	2.50%	97	10.970	\$380,076.40	0.0025	\$953.03	\$51,969.34	\$103,938.68
41	Water main	3rd Street	LF	8	PVC	331	\$100	\$33,138	2018	100	97	97.00%	\$100	\$33,138	2.50%	97	10.970	\$363,527.13	0.0025	\$911.53	\$49,706.49	\$99,412.99
49	Water main	3rd Street	LF	8	PVC	297	\$100	\$29,718	2018	100	97	97.00%	\$100	\$29,718	2.50%	97	10.970	\$326,014.07	0.0025	\$817.47	\$44,577.19	\$89,154.37
50	Water main	3rd Street	LF	8	PVC	295	\$100	\$29,498	2018	100	97	97.00%	\$100	\$29,498	2.50%	97	10.970	\$323,600.20	0.0025	\$811.42	\$44,247.13	\$88,494.26
64	Water main	3rd Street	LF	8	PVC	297	\$100	\$29,716	2018	100	97	97.00%	\$100	\$29,716	2.50%	97	10.970	\$325,996.08	0.0025	\$817.43	\$44,574.73	\$89,149.45
68	Water main	3rd Street	LF	8	PVC	189	\$100	\$18,940	2018	100	97	97.00%	\$100	\$18,940	2.50%	97	10.970	\$207,772.00	0.0025	\$520.98	\$28,409.48	\$56,818.97
72	Water main	3rd Street	LF	8	PVC	736	\$100	\$73,574	2018	100	97	97.00%	\$100	\$73,574	2.50%	97	10.970	\$807,124.69	0.0025	\$2,023.84	\$110,361.34	\$220,722.67
73	Water main	3rd/Minnesota to Vista/Minnesota	LF	8	PVC	565	\$100	\$56,471	2018	100	97	97.00%	\$100	\$56,471	2.50%	97	10.970	\$619,502.33	0.0025	\$1,553.38	\$84,706.99	\$169,413.98
83	Water main	3rd Street	LF	8	PVC	587	\$100	\$58,694	2018	100	97	97.00%	\$100	\$58,694	2.50%	97	10.970	\$643,880.93	0.0025	\$1,614.51	\$88,040.37	\$176,080.75
92	Water main	3rd Street	LF	8	PVC	24	\$100	\$2,407	2018	100	97	97.00%	\$100	\$2,407	2.50%	97	10.970	\$26,401.09	0.0025	\$66.20	\$3,609.92	\$7,219.85
116	Water main	3rd Street	LF	8	PVC	21	\$100	\$2,055	2018	100	97	97.00%	\$100	\$2,055	2.50%	97	10.970	\$22,539.80	0.0025	\$56.52	\$3,081.96	\$6,163.91
117	Water main	3rd Street	LF	8	PVC	27	\$100	\$2,733	2018	100	97	97.00%	\$100	\$2,733	2.50%	97	10.970	\$29,976.35	0.0025	\$75.16	\$4,098.78	\$8,197.57
118	Water main	3rd Street	LF	8	PVC	43	\$100	\$4,338	2018	100	97	97.00%	\$100	\$4,338	2.50%	97	10.970	\$47,583.64	0.0025	\$119.31	\$6,506.30	\$13,012.60
119	Water main	3rd Street	LF	8	PVC	24	\$100	\$2,425	2018	100	97	97.00%	\$100	\$2,425	2.50%	97	10.970	\$26,608.20	0.0025	\$66.72	\$3,638.24	\$7,276.49
120	Water main	3rd Street	LF	8	PVC	27	\$100	\$2,730	2018	100	97	97.00%	\$100	\$2,730	2.50%	97	10.970	\$29,949.60	0.0025	\$75.10	\$4,095.13	\$8,190.25
121	Water main	3rd Street	LF	8	PVC	14	\$100	\$1,402	2018	100	97	97.00%	\$100	\$1,4								

Appendix C

Wastewater System Spreadsheet (Assessment)

Wastewater System		General											Replacement								Repair		
Current Year		2021																					
GIS Object ID	Asset	Location/Notes	Unit	Diameter	Material	Quantity	Original Unit Cost	Original Total Cost	Installed Date	Expected Useful Life	Remaining Useful life	% of life remaining	Replacement Unit Cost	Replacement Total Cost	Inflation	Remaining Useful Life Corrected	Future Value Factor	Future Replacement Cost	Annual Future Value Factor	Annual Payment Future Value	Minor Repair Cost	Major Repair Cost	Maintenance & Repair Notes
							Act or Est	Act or Est					Calculated	Act or Est									
63	Gravity sewer main	Box Elder Trailer Park (Blue Zoning) to Grand Ave	LF	8	PVC	446	\$50	\$22,300	1980	100	59	59.00%	\$150	\$66,901	2.50%	59	4.292	\$287,171	0.0076	\$2,180.51	\$33,451	\$66,901	
111	Gravity sewer main	Box Elder Trailer Park (Blue Zoning) to Grand Ave	LF	8	PVC	302	\$50	\$15,082	1980	100	59	59.00%	\$150	\$45,245	2.50%	59	4.292	\$194,211	0.0076	\$1,474.66	\$22,622	\$45,245	
112	Gravity sewer main	Box Elder Trailer Park (Blue Zoning) to Grand Ave	LF	8	PVC	746	\$50	\$37,282	1980	100	59	59.00%	\$150	\$111,846	2.50%	59	4.292	\$480,095	0.0076	\$3,645.39	\$55,923	\$111,846	
142	Gravity sewer main	Rio Grande between 3rd/4th	LF	8	PVC	248	\$50	\$12,382	1980	100	59	59.00%	\$150	\$37,145	2.50%	59	4.292	\$159,444	0.0076	\$1,210.67	\$18,572	\$37,145	
143	Gravity sewer main	Rio Grande between 3rd/4th	LF	8	PVC	348	\$50	\$17,377	1980	100	59	59.00%	\$150	\$52,132	2.50%	59	4.292	\$223,777	0.0076	\$1,699.16	\$26,066	\$52,132	
148	Gravity sewer main	Apple Valley Subdivision	LF	8	PVC	242	\$50	\$12,083	1980	100	59	59.00%	\$150	\$36,250	2.50%	59	4.292	\$155,601	0.0076	\$1,181.49	\$18,125	\$36,250	
149	Gravity sewer main	Apple Valley Subdivision	LF	8	PVC	249	\$50	\$12,427	1980	100	59	59.00%	\$150	\$37,282	2.50%	59	4.292	\$160,032	0.0076	\$1,215.13	\$18,641	\$37,282	
150	Gravity sewer main	Apple Valley Subdivision	LF	8	PVC	404	\$50	\$20,213	1980	100	59	59.00%	\$150	\$60,640	2.50%	59	4.292	\$260,294	0.0076	\$1,976.43	\$30,320	\$60,640	
151	Gravity sewer main	Apple Valley Subdivision	LF	8	PVC	696	\$50	\$34,803	1980	100	59	59.00%	\$150	\$104,409	2.50%	59	4.292	\$448,175	0.0076	\$3,403.02	\$52,205	\$104,409	
152	Gravity sewer main	Apple Valley Subdivision	LF	8	PVC	324	\$50	\$16,215	1980	100	59	59.00%	\$150	\$48,645	2.50%	59	4.292	\$208,807	0.0076	\$1,585.48	\$24,322	\$48,645	
158	Gravity sewer main	Apple Valley Subdivision	LF	8	PVC	431	\$50	\$21,571	1980	100	59	59.00%	\$150	\$64,713	2.50%	59	4.292	\$277,778	0.0076	\$2,109.18	\$32,356	\$64,713	
51	Gravity sewer main	2nd Street East and West of Poplar	LF	8	PVC	104	\$75	\$7,773	1985	100	64	64.00%	\$150	\$23,318	2.50%	64	4.857	\$113,243	0.0065	\$734.09	\$11,659	\$23,318	
80	Gravity sewer main	2nd Street East and West of Poplar	LF	8	PVC	90	\$75	\$6,751	1985	100	64	64.00%	\$150	\$20,252	2.50%	64	4.857	\$98,353	0.0065	\$637.57	\$10,126	\$20,252	
144	Gravity sewer main	2nd Street East and West of Poplar	LF	8	PVC	18	\$75	\$1,316	1985	100	64	64.00%	\$150	\$3,949	2.50%	64	4.857	\$19,176	0.0065	\$124.31	\$1,974	\$3,949	
145	Gravity sewer main	2nd Street East and West of Poplar	LF	8	PVC	332	\$75	\$24,929	1985	100	64	64.00%	\$150	\$74,787	2.50%	64	4.857	\$363,206	0.0065	\$2,354.48	\$37,393	\$74,787	
1	Gravity sewer main	Hidden Valley to Pink Zoning Parcel	LF	8	PVC	397	\$75	\$29,779	1990	100	69	69.00%	\$150	\$89,338	2.50%	69	5.495	\$490,889	0.0056	\$2,730.36	\$44,669	\$89,338	
2	Gravity sewer main	Hidden Valley to Pink Zoning Parcel	LF	8	PVC	254	\$75	\$19,030	1990	100	69	69.00%	\$150	\$57,090	2.50%	69	5.495	\$313,696	0.0056	\$1,744.80	\$28,545	\$57,090	
3	Gravity sewer main	Hidden Valley to Pink Zoning Parcel	LF	8	PVC	928	\$75	\$69,582	1990	100	69	69.00%	\$150	\$208,745	2.50%	69	5.495	\$1,147,001	0.0056	\$6,379.69	\$104,373	\$208,745	
4	Gravity sewer main	Hidden Valley to Pink Zoning Parcel	LF	8	PVC	398	\$75	\$29,864	1990	100	69	69.00%	\$150	\$89,593	2.50%	69	5.495	\$492,288	0.0056	\$2,738.14	\$44,796	\$89,593	
5	Gravity sewer main	Hidden Valley to Pink Zoning Parcel	LF	8	PVC	694	\$75	\$52,050	1990	100	69	69.00%	\$150	\$156,150	2.50%	69	5.495	\$858,003	0.0056	\$4,772.27	\$78,075	\$156,150	
6	Gravity sewer main	Hidden Valley to Pink Zoning Parcel	LF	8	PVC	478	\$75	\$35,855	1990	100	69	69.00%	\$150	\$107,565	2.50%	69	5.495	\$591,043	0.0056	\$3,287.42	\$53,783	\$107,565	
7	Gravity sewer main	Hidden Valley to Pink Zoning Parcel	LF	8	PVC	64	\$75	\$4,769	1990	100	69	69.00%	\$150	\$14,308	2.50%	69	5.495	\$78,620	0.0056	\$437.29	\$7,154	\$14,308	
8	Gravity sewer main	Hidden Valley to Pink Zoning Parcel	LF	8	PVC	808	\$75	\$60,582	1990	100	69	69.00%	\$150	\$181,746	2.50%	69	5.495	\$998,645	0.0056	\$5,554.53	\$90,873	\$181,746	
9	Gravity sewer main	Hidden Valley to Pink Zoning Parcel	LF	8	PVC	449	\$75	\$33,696	1990	100	69	69.00%	\$150	\$101,089	2.50%	69	5.495	\$555,459	0.0056	\$3,089.50	\$50,545	\$101,089	
10	Gravity sewer main	Hidden Valley to Pink Zoning Parcel	LF	8	PVC	797	\$75	\$59,807	1990	100	69	69.00%	\$150	\$179,422	2.50%	69	5.495	\$985,878	0.0056	\$5,483.52	\$89,711	\$179,422	
11	Gravity sewer main	Hidden Valley to Pink Zoning Parcel	LF	8	PVC	750	\$75	\$56,223	1990	100	69	69.00%	\$150	\$168,669	2.50%	69	5.495	\$926,793	0.0056	\$5,154.88	\$84,335	\$168,669	
12	Gravity sewer main	Hidden Valley to Pink Zoning Parcel	LF	8	PVC	163	\$75	\$12,214	1990	100	69	69.00%	\$150	\$36,642	2.50%	69	5.495	\$201,337	0.0056	\$1,119.85	\$18,321	\$36,642	
13	Gravity sewer main	Hidden Valley to Pink Zoning Parcel	LF	8	PVC	779	\$75	\$58,392	1990	100	69	69.00%	\$150	\$175,175	2.50%	69	5.495	\$962,538	0.0056	\$5,353.70	\$87,587	\$175,175	
14	Gravity sewer main	Hidden Valley to Pink Zoning Parcel	LF	8	PVC	186	\$75	\$13,981	1990	100	69	69.00%	\$150	\$41,944	2.50%	69	5.495	\$230,473	0.0056	\$1,281.90	\$20,972	\$41,944	
15	Gravity sewer main	Hidden Valley to Pink Zoning Parcel	LF	8	PVC	102	\$75	\$7,672	1990	100	69	69.00%	\$150	\$23,017	2.50%	69	5.495	\$126,474	0.0056	\$703.46	\$11,509	\$23,017	
16	Gravity sewer main	Hidden Valley to Pink Zoning Parcel	LF	8	PVC	125	\$75	\$9,384	1990	100	69	69.00%	\$150	\$28,151	2.50%	69	5.495	\$154,680	0.0056	\$860.34	\$14,075	\$28,151	
64	Gravity sewer main	High School to CDOT	LF	8	PVC	567	\$75	\$42,553	1990	100	69	69.00%	\$150	\$127,659	2.50%	69	5.495	\$701,450	0.0056	\$3,901.51	\$63,829	\$127,659	
115	Gravity sewer main	Hidden Valley to Pink Zoning Parcel	LF	8	PVC	817	\$75	\$61,256	1990	100	69	69.00%	\$150	\$183,768	2.50%	69	5.495	\$1,009,754	0.0056	\$5,616.32	\$91,884	\$183,768	
154	Gravity sewer main	High School to CDOT	LF	8	PVC	384	\$75	\$28,778	1990	100	69	69.00%	\$150	\$86,335	2.50%	69	5.495	\$474,390	0.0056	\$2,638.59	\$43,168	\$86,335	
155	Gravity sewer main	High School to CDOT	LF	8	PVC	448	\$75	\$33,623	1990	100	69	69.00%	\$150	\$100,869	2.50%	69	5.495	\$554,247	0.0056	\$3,082.76	\$50,434	\$100,869	
156	Gravity sewer main	High School to CDOT	LF	8	PVC	341	\$75	\$25,584	1990	100	69	69.00%	\$150	\$76,753	2.50%	69	5.495	\$421,735	0.0056	\$2,345.72	\$38,376	\$76,753	
157	Gravity sewer main	High School to CDOT	LF	8	PVC	684	\$75	\$51,287	1990	100	69	69.00%	\$150	\$153,862	2.50%	69	5.495	\$845,431	0.0056	\$4,702.34	\$76,931	\$153,862	
17	Gravity sewer main	Meadowbrook Subdivision	LF	8	PVC	87	\$75	\$6,496	1998	100	77	77.00%	\$150	\$12,992	2.50%	77	6.695	\$86,980	0.0044	\$381.84	\$9,744	\$19,488	
18	Gravity sewer main	Meadowbrook Subdivision	LF	8	PVC	225	\$75	\$16,879	1998	100	77	77.00%	\$150	\$33,759	2.50%	77	6.695	\$226,008	0.0044	\$992.17	\$25,319	\$50,638	
19	Gravity sewer main	Meadowbrook Subdivision	LF	8	PVC	20	\$75	\$1,534	1998	100	77	77.00%	\$150	\$3,068	2.50%	77	6.695	\$20,539	0.0044	\$90.16	\$2,301	\$4,602	
113	Gravity sewer main	Meadowbrook Subdivision	LF	8	PVC	98	\$75	\$7,335	1998	100	77	77.00%	\$150	\$14,670	2.50%	77	6.695	\$98,215	0.0044	\$431.16	\$11,003	\$22,005	
114	Gravity sewer main	Meadowbrook Subdivision	LF	8	PVC	310	\$75	\$23,232	1998	100	77	77.00%	\$150	\$46,463	2.50%	77	6.695	\$311,062	0.0044	\$1,365.55	\$34,847	\$69,695	
120	Gravity sewer main	Meadowbrook Subdivision	LF	8	PVC	179	\$75	\$13,430	1998	100	77	77.00%	\$150	\$26,861	2.50%	77	6.695	\$179,826	0.0044	\$789.43	\$20,145	\$40,291	
121	Gravity sewer main	Meadowbrook Subdivision	LF	8	PVC	73	\$75	\$5,494	1998	100	77	77.00%	\$150	\$10,988	2.50%	77	6.695	\$73,564	0.0044	\$322.94	\$8,241	\$16,482	
122	Gravity sewer main	Meadowbrook Subdivision	LF	8	PVC	312	\$75	\$23,398	1998	100	77	77.00%	\$150	\$46,795	2.50%	77	6.695	\$313,283	0.0044	\$1,375.30	\$35,096	\$70,193	
138	Gravity sewer main	Box Elder/North Fork/School Area	LF	8	PVC	225	\$75	\$16,874	1998	100	77	77.00%	\$150	\$33,747	2.50%	77	6.695	\$225,931	0.0044	\$991.83	\$25,310	\$50,621	
139	Gravity sewer main	Box Elder/North Fork/School Area	LF	8	PVC	158	\$75	\$11,867	1998	100	77	77.00%	\$150	\$23,733	2.50%	77	6.695	\$158,889	0.0044	\$697.52	\$17,800	\$35,600	
140	Gravity sewer main	Box Elder/North Fork/School Area	LF	8	PVC	274	\$75	\$20,554	1998	100	77	77.00%	\$150	\$41,108	2.50%	77	6.695	\$275,209	0.0044	\$1,208.16	\$30,831	\$61,662	
87	Gravity sewer main	Clark Ave between 2nd/3rd	LF	8	PVC	103	\$100	\$10,261	2020	100	99	99.00%	\$100	\$10,2									

81	Gravity sewer main	Alley between Delta/Rio Grande between 1st/3rd	LF	8	VCP	71	\$50	\$3,544	1970	50	-1	-2.00%	\$150	\$10,631	2.50%	1	1.025	\$10,896	1.0000	\$10,896.49	\$5,315	\$10,631
82	Gravity sewer main	Alley between Rio Grande/Colorado between 1st/3rd	LF	8	VCP	303	\$50	\$15,146	1970	50	-1	-2.00%	\$150	\$45,437	2.50%	1	1.025	\$46,573	1.0000	\$46,573.43	\$22,719	\$45,437
83	Gravity sewer main	Alley between Rio Grande/Colorado between 1st/3rd	LF	8	VCP	303	\$50	\$15,147	1970	50	-1	-2.00%	\$150	\$45,441	2.50%	1	1.025	\$46,577	1.0000	\$46,576.55	\$22,720	\$45,441
84	Gravity sewer main	Alley between Colorado/Clark between 1st/3rd	LF	8	VCP	298	\$50	\$14,913	1970	50	-1	-2.00%	\$150	\$44,740	2.50%	1	1.025	\$45,859	1.0000	\$45,858.90	\$22,370	\$44,740
85	Gravity sewer main	Alley between Colorado/Clark between 1st/3rd	LF	8	VCP	407	\$50	\$20,360	1970	50	-1	-2.00%	\$150	\$61,080	2.50%	1	1.025	\$62,607	1.0000	\$62,606.82	\$30,540	\$61,080
86	Gravity sewer main	Clark Ave (100 Block)	LF	8	VCP	246	\$50	\$12,321	1970	50	-1	-2.00%	\$150	\$36,962	2.50%	1	1.025	\$37,886	1.0000	\$37,886.41	\$18,481	\$36,962
96	Gravity sewer main	Alley between Poplar/Box Elder between 3rd/4th	LF	8	VCP	262	\$50	\$13,083	1970	50	-1	-2.00%	\$150	\$39,250	2.50%	1	1.025	\$40,231	1.0000	\$40,231.06	\$19,625	\$39,250
97	Gravity sewer main	Alley between Poplar/Box Elder between 3rd/4th	LF	8	VCP	265	\$50	\$13,271	1970	50	-1	-2.00%	\$150	\$39,814	2.50%	1	1.025	\$40,810	1.0000	\$40,809.75	\$19,907	\$39,814
98	Gravity sewer main	Alley between North Fork/Orchard between 3rd/4th	LF	8	VCP	492	\$50	\$24,576	1970	50	-1	-2.00%	\$150	\$73,728	2.50%	1	1.025	\$75,571	1.0000	\$75,570.72	\$36,864	\$73,728
99	Gravity sewer main	Alley between Orchard/Oak between 3rd/4th	LF	8	VCP	519	\$50	\$25,936	1970	50	-1	-2.00%	\$150	\$77,809	2.50%	1	1.025	\$79,755	1.0000	\$79,754.61	\$38,905	\$77,809
100	Gravity sewer main	Alley between Oak/Delta between 3rd/4th	LF	8	VCP	250	\$50	\$12,496	1970	50	-1	-2.00%	\$150	\$37,489	2.50%	1	1.025	\$38,426	1.0000	\$38,425.94	\$18,744	\$37,489
101	Gravity sewer main	Alley between Oak/Delta between 3rd/4th	LF	8	VCP	242	\$50	\$12,124	1970	50	-1	-2.00%	\$150	\$36,373	2.50%	1	1.025	\$37,283	1.0000	\$37,282.75	\$18,187	\$36,373
116	Gravity sewer main	Dorris Ave (100 Block)	LF	8	VCP	584	\$50	\$29,185	1970	50	-1	-2.00%	\$150	\$87,554	2.50%	1	1.025	\$89,743	1.0000	\$89,742.87	\$43,777	\$87,554
117	Gravity sewer main	Alley between Minnesota/Lamborn between 2nd/3rd	LF	8	VCP	455	\$50	\$22,757	1970	50	-1	-2.00%	\$150	\$68,270	2.50%	1	1.025	\$69,977	1.0000	\$69,977.20	\$34,135	\$68,270
118	Gravity sewer main	Lamborn Ave between 2nd/3rd	LF	8	VCP	484	\$50	\$24,225	1970	50	-1	-2.00%	\$150	\$72,674	2.50%	1	1.025	\$74,491	1.0000	\$74,491.27	\$36,337	\$72,674
124	Gravity sewer main	Alley between Grand/Onarga between 3rd/4th	LF	8	VCP	525	\$50	\$26,227	1970	50	-1	-2.00%	\$150	\$78,680	2.50%	1	1.025	\$80,647	1.0000	\$80,646.94	\$39,340	\$78,680
125	Gravity sewer main	Alley between Main/Grand between 3rd/4th	LF	8	VCP	503	\$50	\$25,157	1970	50	-1	-2.00%	\$150	\$75,471	2.50%	1	1.025	\$77,358	1.0000	\$77,357.93	\$37,736	\$75,471
126	Gravity sewer main	Alley between Main/Grand between 3rd/4th	LF	8	VCP	16	\$50	\$823	1970	50	-1	-2.00%	\$150	\$2,470	2.50%	1	1.025	\$2,532	1.0000	\$2,532.09	\$1,235	\$2,470
127	Gravity sewer main	Alley between Grand/Onarga between 3rd/4th	LF	8	VCP	13	\$50	\$674	1970	50	-1	-2.00%	\$150	\$2,022	2.50%	1	1.025	\$2,072	1.0000	\$2,072.39	\$1,011	\$2,022
128	Gravity sewer main	Alley between Onarga/Poplar between 3rd/4th	LF	8	VCP	223	\$50	\$11,161	1970	50	-1	-2.00%	\$150	\$33,483	2.50%	1	1.025	\$34,320	1.0000	\$34,320.13	\$16,742	\$33,483
129	Gravity sewer main	Alley between Onarga/Poplar between 3rd/4th	LF	8	VCP	296	\$50	\$14,811	1970	50	-1	-2.00%	\$150	\$44,433	2.50%	1	1.025	\$45,544	1.0000	\$45,543.60	\$22,216	\$44,433
130	Gravity sewer main	Alley between Onarga/Poplar between 3rd/4th	LF	8	VCP	17	\$50	\$860	1970	50	-1	-2.00%	\$150	\$2,580	2.50%	1	1.025	\$2,645	1.0000	\$2,644.64	\$1,290	\$2,580
131	Gravity sewer main	6th/7th/Delta/Oak/Orchard	LF	8	VCP	323	\$50	\$16,174	1975	50	4	8.00%	\$150	\$48,522	2.50%	4	1.104	\$53,559	0.2408	\$12,898.00	\$24,261	\$48,522
132	Gravity sewer main	6th/7th/Delta/Oak/Orchard	LF	8	VCP	313	\$50	\$15,635	1975	50	4	8.00%	\$150	\$46,905	2.50%	4	1.104	\$51,775	0.2408	\$12,468.29	\$23,453	\$46,905
133	Gravity sewer main	6th/7th/Delta/Oak/Orchard	LF	8	VCP	222	\$50	\$11,118	1975	50	4	8.00%	\$150	\$33,355	2.50%	4	1.104	\$36,818	0.2408	\$8,866.33	\$16,677	\$33,355
134	Gravity sewer main	6th/7th/Delta/Oak/Orchard	LF	8	VCP	152	\$50	\$7,601	1975	50	4	8.00%	\$150	\$22,802	2.50%	4	1.104	\$25,170	0.2408	\$6,061.29	\$11,401	\$22,802
135	Gravity sewer main	6th/7th/Delta/Oak/Orchard	LF	8	VCP	392	\$50	\$19,620	1975	50	4	8.00%	\$150	\$58,860	2.50%	4	1.104	\$64,971	0.2408	\$15,646.09	\$29,430	\$58,860
136	Gravity sewer main	6th/7th/Delta/Oak/Orchard	LF	8	VCP	214	\$50	\$10,676	1975	50	4	8.00%	\$150	\$32,028	2.50%	4	1.104	\$35,353	0.2408	\$8,513.55	\$16,014	\$32,028
137	Gravity sewer main	6th/7th/Delta/Oak/Orchard	LF	8	VCP	390	\$50	\$19,523	1975	50	4	8.00%	\$150	\$58,569	2.50%	4	1.104	\$64,649	0.2408	\$15,568.58	\$29,284	\$58,569
141	Gravity sewer main	6th/7th/Delta/Oak/Orchard	LF	8	VCP	766	\$50	\$38,281	1975	50	4	8.00%	\$150	\$114,844	2.50%	4	1.104	\$126,766	0.2408	\$30,527.47	\$57,422	\$114,844
159	Gravity sewer main	6th/7th/Delta/Oak/Orchard	LF	8	VCP	546	\$50	\$27,297	1975	50	4	8.00%	\$150	\$81,890	2.50%	4	1.104	\$90,392	0.2408	\$21,767.94	\$40,945	\$81,890
30	Gravity sewer main	Minnesota Ave thru Park	LF	10	PVC	270	\$50	\$13,476	1980	100	59	59.00%	\$150	\$40,428	2.50%	59	4.292	\$173,535	0.0076	\$1,317.66	\$20,214	\$40,428
31	Gravity sewer main	Minnesota Ave thru Park	LF	10	PVC	384	\$50	\$19,208	1980	100	59	59.00%	\$150	\$57,625	2.50%	59	4.292	\$247,355	0.0076	\$1,878.18	\$28,813	\$57,625
32	Gravity sewer main	Minnesota Ave thru Park	LF	10	PVC	221	\$50	\$11,045	1980	100	59	59.00%	\$150	\$33,135	2.50%	59	4.292	\$142,230	0.0076	\$1,079.96	\$16,567	\$33,135
33	Gravity sewer main	Minnesota Ave thru Park	LF	10	PVC	176	\$50	\$8,797	1980	100	59	59.00%	\$150	\$26,391	2.50%	59	4.292	\$113,284	0.0076	\$860.17	\$13,196	\$26,391
34	Gravity sewer main	Minnesota Ave thru Park	LF	10	PVC	46	\$50	\$2,283	1980	100	59	59.00%	\$150	\$6,848	2.50%	59	4.292	\$29,397	0.0076	\$223.21	\$3,424	\$6,848
35	Gravity sewer main	Minnesota Ave thru Park	LF	10	PVC	216	\$50	\$10,805	1980	100	59	59.00%	\$150	\$32,415	2.50%	59	4.292	\$139,141	0.0076	\$1,056.51	\$16,208	\$32,415
36	Gravity sewer main	Minnesota Ave thru Park	LF	10	PVC	312	\$50	\$15,621	1980	100	59	59.00%	\$150	\$46,862	2.50%	59	4.292	\$201,154	0.0076	\$1,527.37	\$23,431	\$46,862
123	Gravity sewer main	Minnesota Ave thru Park	LF	10	PVC	157	\$50	\$7,869	1980	100	59	59.00%	\$150	\$23,608	2.50%	59	4.292	\$101,335	0.0076	\$769.44	\$11,804	\$23,608
146	Gravity sewer main	Minnesota Ave thru Park	LF	10	PVC	225	\$50	\$11,266	1980	100	59	59.00%	\$150	\$33,797	2.50%	59	4.292	\$145,074	0.0076	\$1,101.56	\$16,899	\$33,797
147	Gravity sewer main	Minnesota Ave thru Park	LF	10	PVC	299	\$50	\$14,936	1980	100	59	59.00%	\$150	\$44,809	2.50%	59	4.292	\$192,341	0.0076	\$1,460.46	\$22,404	\$44,809
153	Gravity sewer main	Box Elder Dr to Park	LF	10	PVC	399	\$50	\$19,971	1980	100	59	59.00%	\$150	\$59,912	2.50%	59	4.292	\$257,171	0.0076	\$1,952.72	\$29,956	\$59,912
20	Gravity sewer main	Meadowbrook Subdivision to Vista Drive	LF	10	PVC	187	\$75	\$14,043	1990	100	69	69.00%	\$150	\$42,129	2.50%	69	5.495	\$231,489	0.0056	\$1,287.56	\$21,065	\$42,129
21	Gravity sewer main	Meadowbrook Subdivision to Vista Drive	LF	10	PVC	341	\$75	\$25,543	1990	100	69	69.00%	\$150	\$76,630	2.50%	69	5.495	\$421,062	0.0056	\$2,341.97	\$38,315	\$76,630
22	Gravity sewer main	Meadowbrook Subdivision to Vista Drive	LF	10	PVC	152	\$75	\$11,407	1990	100	69	69.00%	\$150	\$34,221	2.50%	69	5.495	\$188,038	0.0056	\$1,045.88	\$17,111	\$34,221
23	Gravity sewer main	Meadowbrook Subdivision to Vista Drive	LF	10	PVC	21	\$75	\$1,592	1990	100	69	69.00%	\$150	\$4,776	2.50%	69	5.495	\$26,241	0.0056	\$145.95	\$2,388	\$4,776
24	Gravity sewer main	Meadowbrook Subdivision to Vista Drive	LF	10	PVC	145	\$75	\$10,874	1990	100	69	69.00%	\$150	\$32,623	2.50%	69	5.495	\$179,255	0.0056	\$997.03	\$16,312	\$32,623
25	Gravity sewer main	Vista Drive to Minnesota Ave	LF	10	PVC	96	\$75	\$7,230	1990	100	69	69.00%	\$150	\$21,690	2.50%	69	5.495	\$119,181	0.0056	\$662.89	\$10,845	\$21,690
26	Gravity sewer main	Vista Drive to Minnesota Ave	LF	10	PVC	482	\$75	\$36,131	1990	100	69	69.00%	\$150	\$108,392	2.50%	69	5.495	\$595,587	0.0056	\$3,312.69	\$54,196	\$108,392
27	Gravity sewer main	Vista Drive to Minnesota Ave	LF	10	PVC	72	\$75	\$5,382	1990	100	69	69.00%	\$150	\$16,146	2.50%	69	5.495	\$88,719	0.0056	\$493.46	\$8,073	\$16,146
28	Gravity sewer main	Vista Drive to Minnesota Ave	LF	10	PVC	303	\$75	\$22,691	1990	100	69	69.00%	\$150	\$68,074	2.50%	69	5.495	\$374,049	0.0056	\$2,080.48	\$34,037	\$68,074
29	Gravity sewer main	Vista Drive to Minnesota Ave	LF	10	PVC	11	\$75	\$858	1990	100	69	69.00%	\$150	\$2,574	2.50%	69	5.495	\$14,146	0.0056	\$78.68	\$1,287	\$2,574
91	Gravity sewer main	3rd/Delta (East) to 3rd/Lamborn Ave	LF	10	PVC	378	\$75	\$28,325	1994	100	73	73.00%	\$150	\$84,974	2.50%	73	6.065	\$515,381	0.0049	\$2,543.76	\$42,487	\$84,974
92	Gravity sewer main	3rd/Delta (East) to 3rd/Lamborn Ave	LF	10	PVC	315	\$75	\$23,605	1994	100	73	73.00%	\$150	\$70,815	2.50%	73	6.065	\$429,506	0.0049	\$2,119.91	\$35,408	\$70,815
93	Gravity sewer main	3rd/Delta (East) to 3rd/Lamborn Ave	LF	10	PVC	327	\$75	\$24,514	1994	100	73	73.00%	\$150	\$73,542	2.50%	73	6.065	\$446,045	0.0049	\$2,201.53	\$36,771	\$73,542
94	Gravity sewer main	3rd/Delta (East) to 3rd/Lamborn Ave	LF	10	PVC	156	\$75	\$11,731	1994	100	73	73.00%	\$150	\$35,193	2.50%	73	6.065	\$213,449	0.0049	\$1,053.52	\$17,596	\$35,193
95	Gravity sewer main	3rd/Delta (East) to 3rd/Lamborn Ave	LF	10	PVC	499	\$75	\$37,398	1994	100	73	73.00%	\$150	\$112,193	2.50%	73	6.065	\$680,470	0.0049	\$3,358.58	\$56,097	\$112,193
119	Gravity sewer main	3rd/Delta (East) to 3rd/Lamborn Ave	LF	10	PVC	158	\$75	\$11,839	1994	100	73	73.00%										

71	Gravity sewer main	CDOT to Niagara Ave to Samuel Wade	LF	15	VCP	660	\$50	\$32,996	1970	50	-1	-2.00%	\$150	\$98,988	2.50%	1	1.025	\$101,462	1.0000	\$101,462.37	\$49,494	\$98,988		
72	Gravity sewer main	CDOT to Niagara Ave to Samuel Wade	LF	15	VCP	73	\$50	\$3,654	1970	50	-1	-2.00%	\$150	\$10,961	2.50%	1	1.025	\$11,235	1.0000	\$11,235.14	\$5,481	\$10,961		
73	Gravity sewer main	CDOT to Niagara Ave to Samuel Wade	LF	15	VCP	61	\$50	\$3,038	1970	50	-1	-2.00%	\$150	\$9,114	2.50%	1	1.025	\$9,342	1.0000	\$9,342.04	\$4,557	\$9,114		
74	Gravity sewer main	CDOT to Niagara Ave to Samuel Wade	LF	15	VCP	272	\$50	\$13,623	1970	50	-1	-2.00%	\$150	\$40,869	2.50%	1	1.025	\$41,890	1.0000	\$41,890.27	\$20,434	\$40,869		
102	Gravity sewer main	CDOT to Niagara Ave to Samuel Wade	LF	15	VCP	983	\$50	\$49,134	1970	50	-1	-2.00%	\$150	\$147,402	2.50%	1	1.025	\$151,088	1.0000	\$151,087.53	\$73,701	\$147,402		
110	Gravity sewer main	CDOT to Niagara Ave to Samuel Wade	LF	15	VCP	240	\$50	\$11,980	1970	50	-1	-2.00%	\$150	\$35,939	2.50%	1	1.025	\$36,838	1.0000	\$36,837.68	\$17,970	\$35,939		
	Manholes		EA			168	\$2,500	\$420,000	1983	75	37	49.98%	\$7,500	\$1,260,000	2.50%	37	2.524	\$3,179,653	0.0164	\$52,175.61	\$630,000	\$1,260,000		
	Subtotal							\$4,134,213												\$48,518,216	\$3,043,689	\$6,201,320	\$12,402,640	
	Wastewater Treatment																							
	WWTF		LS			1	\$3,000,000	\$3,000,000	2005	50	34	68.00%	\$6,000,000	\$6,000,000	2.50%	34	2.315	\$13,891,933	0.0190	\$264,040.50				
	Subtotal							\$3,000,000													\$13,891,933	\$264,041	\$0	\$0
	Total							\$7,134,213													\$62,410,149	\$3,307,730	\$6,201,320	\$12,402,640

Appendix D

Reference Documents

Useful Life
Renewal Strategies

The following information was adapted from 'Fundamentals of Asset Management' training workshop produced by the U.S. Environmental Protection Agency in 2006. <https://www.epa.gov/sustainable-water-infrastructure/asset-management-water-and-wastewater-utilities#workshops>

Expected Useful Lives (Years)

Asset Type	Exp Life
Civil Structures	75
PVC Pressure Pipes	100
DIP Pressure Pipes	100
Cast Iron Pressure Pipes	50
Steel Pressure Pipes	50
PVC Sewers	100
VCP Sewers	50
Pumps	30
Submersible Pumps	15
Valves	30
Motors	30
Electrical	45
Controls	25
Building Assets	60
Asphalt Pavement	50

Original costs to build (or acquire) assets were estimated to calculate the current Value of Infrastructure owned and maintained by the entity. Replacement Costs were calculated based on the date of installation and an average inflation rate of 2.50%. Minor and Major Repair Costs were estimated using the calculated Replacement Cost and a general price index based on the age of the asset. Price indexes used in this Repair and Replacement Cost Estimate are below.

For example, we estimated that sewer manholes were installed in 1983 for \$2,500 each. We calculated estimated the cost to rehabilitate a manhole today (in 2021) would be the original cost multiplied by 2.00, or \$5,000 each. We estimated the cost to replace a manhole in 2021 would be the original cost multiplied by 3.00, or \$7,500 each.

In publicly-owned civil infrastructure systems, where rehabilitation and maintenance work is done by competitive bids, replacement cost is based upon current market forces. Please note that Future replacement cost predictions may be subject to too much variation to be reliable.

Please note that the condition and performance of assets were not evaluated by SGM, which greatly affect the life expectancy and costs of repair or replacement. Some assets are in better or worse condition at the time of replacement and therefore not all replacement costs will be the same on a per unit basis.

Wastewater Collection Pipe, Manhole		
Description	Price Index	
Minor Repair/Maintenance	1.50	
Major Repair (InSitu Lining)	3.00	

Wastewater Treatment Facilities, Equipment		
Description	Price Index	
Minor Repair/Maintenance	0.10	
Major Repair	0.50	

Tanks		
Description	Price Index	
Installed Date < 1996		
Minor Rehab	0.50	
Major Rehab	1.00	
Replace	1.50	
1996 < Installed Date < 2016		
Minor Rehab	0.30	
Major Rehab	0.70	
Replace	1.20	

Water Mains		
Description	Price Index	
Rehabilitate (InSitu Lining)	1.50	
Replace (Open Cut Trench)	3.00	

Pumps, Motors, Valves, Hydrants, Wells, Electric, Control System		
Description	Price Index	
Installed Date < 1996		
Minor Rehab	1.00	
Major Rehab	2.00	
Replace	3.00	
1996 < Installed Date < 2016		
Minor Rehab	0.70	
Major Rehab	1.50	
Replace	2.00	
Installed Date > 2016		
Minor Rehab	0.50	
Major Rehab	0.70	
Replace	1.10	

Buildings		
Description	Price Index	
Minor Rehab	0.50	
Major Rehab	1.00	
Replace	1.50	

3-inch \$	800.00
4-inch \$	1,200.00
6-inch \$	1,600.00
8-inch \$	2,500.00
10-inch \$	4,300.00
12-inch \$	5,700.00
14-inch \$	12,200.00
15-inch \$	17,000.00
16-inch \$	17,000.00
18-inch \$	22,000.00
20-inch \$	28,600.00
21-inch \$	33,000.00
24-inch \$	42,600.00
27-inch \$	54,000.00
30-inch \$	65,400.00
36-inch \$	95,000.00

Tap Dataset

meter_size_cost		
Description	Domain	Value
5/8-inch meter \$		80.00
3/4-inch meter \$		130.00
1-inch meter \$		190.00
1.5-inch meter \$		430.00
2-inch meter \$		590.00
3-inch meter \$		3,020.00
4-inch meter \$		4,910.00
6-inch meter \$		7,900.00

PumpStations Dataset

ps_size_cost		
Description	Domain	Value
Pump Station GPM <= 500 \$		250.00 /gpm
Pump Station 500 < GPM <= 1000 \$		300.00 /gpm
Pump Station 1000 < GPM \$		500.00 /gpm

type_cip_project		
Description	Domain	Value
Minor Rehabilitate		0.1
Major Rehabilitate		0.50
Replace		1.00



**TOWN OF PAONIA
BOARD OF TRUSTEES MEETING
STAFF REPORT**

AGENDA ITEM:	Agenda Item #8 - Ordinance 2023-06, Amending Ch. 8 Art. 1 of the Code Regarding Vehicle Speed Limits, Traffic Signage, and Crosswalks
SUBMITTED BY:	Stefen Wynn, Town Administrator
DATE:	12.6.2023
BACKGROUND:	The Mayor and Board of Trustees considered this Ordinance during a Regular Meeting, on September 12, 2023. During that meeting the following revisions were requested: Make provisions for ORV, ATV, UTV, and OHV - those provisions were added to each section of the Ordinance; add no parking to West side of Clark North of 3rd; No Parking on Northside 1st between Grand and Onarga; Add Hawks Haven to the Map (also added Paonia and Cresthaven, and Cedar to the map); and Add 5th Street Lee's Park to 15 MPH, all of these requests were added to the Ordinance. Once the Ordinance is approved, the Town will begin a marketing campaign to inform Residents of the changes to the Town's Traffic Code. Warning will be issued after the ordinance takes affect until February 1st, after February 1st full enforcement with fines will begin.
BUDGET:	Up to \$10,000 of Funding is Available for signage in the FY-2024 Budget.
RECOMMENDATION:	Recommended Motion: I move to approve Ordinance 2023-06, Revision to the Traffic Schedule.
ATTACHMENT:	Attachment A: Ordinance 2023-06 Revision to Traffic Schedule

TOWN OF PAONIA

ORDINANCE NO. 2023-06

AN ORDINANCE AMENDING CHAPTER 8 ARTICLE 1 OF THE PAONIA MUNICIPAL CODE REGARDING VEHICLE SPEED LIMITS, TRAFFIC SIGNAGE, AND CROSSWALKS

RECITALS

WHEREAS, the Town of Paonia (the "Town"), is a statutory town and municipal corporation in Delta County, Colorado, governed by and through its Board of Trustees (the "Board"); and

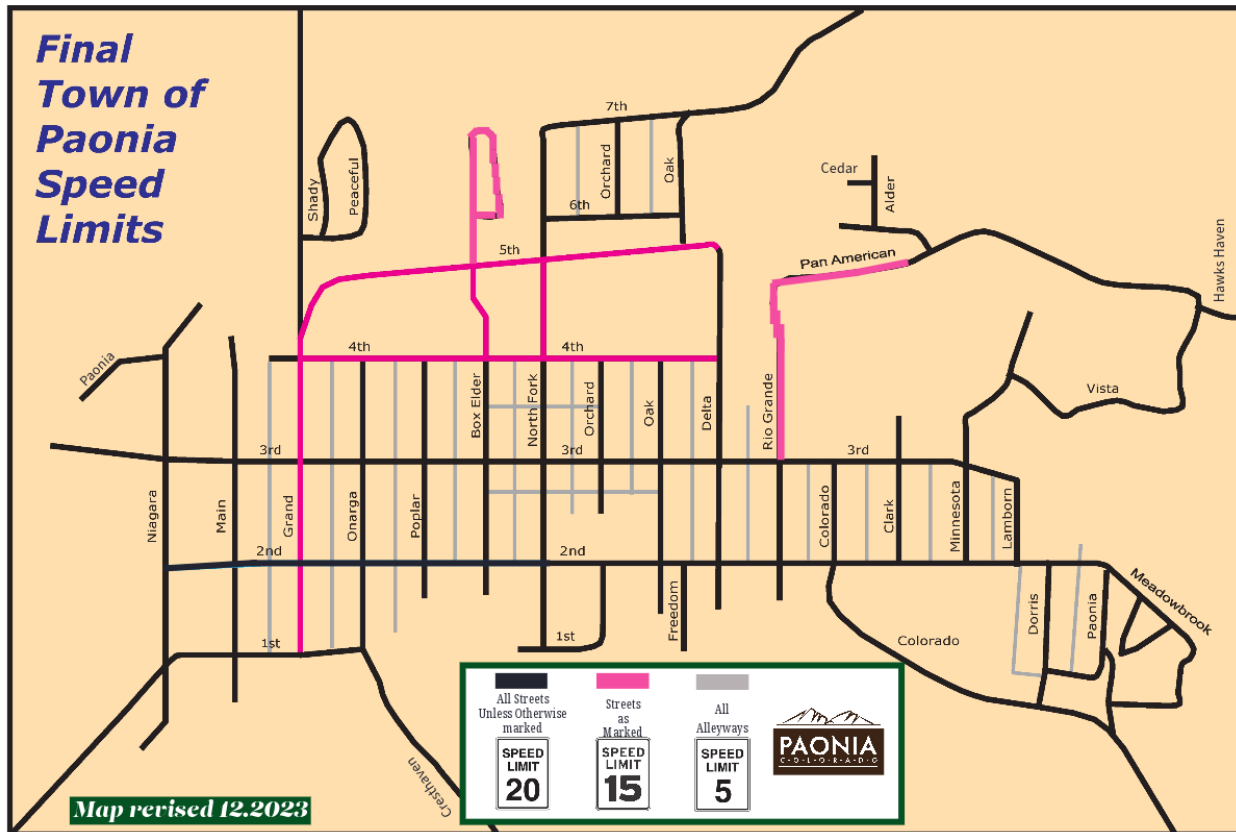
WHEREAS, the Town is authorized to regulate vehicles and traffic using Town Streets; and

WHEREAS, the Board of Trustees determines that it is in the best interest of the community and the public health, safety and welfare of the citizens of the Town to amend the Town Code to modify and add to the existing traffic schedules of the Town; and

NOW, THEREFORE, BE IT ORDAINED BY THE BOARD OF TRUSTEES OF THE TOWN OF PAONIA as follows:

Section 1. Section 8-1-40 of the Paonia Municipal Code is hereby repealed and replaced to read as follows:

Sec. 8-1-40. Additions. The adopted Model Traffic Code is subject to the following additions, modifications, and amendments:



(1) Speed Limits. Subject to the exceptions set forth in the version of the Model Traffic Code adopted pursuant to Section 8-1-10, all persons operating a vehicle on Town streets shall adhere to the speed limits set forth in the following schedule, provided such Town streets, or segments thereof, are clearly marked with corresponding speed limit signage. All Off-Road Vehicles (ORV), All Terrain Vehicles (ATV), Utility Terrain Vehicles (UTV), Off-Highway Vehicles (OHV), and similar vehicles must also follow provisions of this Code.

a.

<i>Street</i>	<i>Location</i>	<i>Speed Limit</i>
Alder Court	Entire Length, Including All Rights-of-Way	20 MPH
Alder Drive	Entire Length, Including All Rights-of-Way	20 MPH
Box Elder Avenue	From Southernmost termination to intersection of 4th Street, and from Intersection of 5th Street to Northernmost Termination, and Including all Rights-of-Way	20 MPH
Box Elder Avenue	From Intersection of 4th Street to Intersection of 5th Street, and Including all Rights-of-Way	15 MPH
Cedar Drive	Entire Length, Including All Rights-of-Way	20 MPH
Clark Avenue	Entire Length, Including All Rights-of-Way	20 MPH
Colorado Avenue	Entire Length, Including All Rights-of-Way	20 MPH
Delta Avenue	Entire Length, Including All Rights-of-Way	20 MPH
Dorris Avenue	Entire Length, Including All Rights-of-Way	20 MPH
Freedom Avenue	Entire Length, Including All Rights-of-Way	20 MPH
Lamborn Avenue	Entire Length, Including All Rights-of-Way	20 MPH
Main Avenue	Entire Length, Including All Rights-of-Way	20 MPH
Meadowbrook Boulevard	Entire Length, Including All Rights-of-Way	20 MPH
Meadowbrook Court	Entire Length, Including All Rights-of-Way	20 MPH
Minnesota Avenue	Entire Length, Including All Rights-of-Way	20 MPH
Niagra Avenue	Entire Length, Including All Rights-of-Way	20 MPH
North Fork Avenue	From Southernmost termination to intersection of 4th Street, and from Intersection of 5th Street to Northernmost Termination, and Including all Rights-of-Way	20 MPH
North Fork Avenue	From Intersection of 4th Street to Intersection of 5th Street, and Including all Rights-of-Way	15 MPH
Oak Avenue	Entire Length, Including All Rights-of-Way	20 MPH
Onarga Avenue	Entire Length, Including All Rights-of-Way	20 MPH
Orchard Avenue	Entire Length, Including All Rights-of-Way	20 MPH
Pan American Avenue	From intersection of Alder Drive East to Vista Drive, and Including all Rights-of-Way	20 MPH
Pan American Avenue	From Intersectino of Alder Drive West to Rio Grande, and Including all Rights-of-Way	15 MPH
Paonia Avenue	Entire Length, Including All Rights-of-Way	20 MPH

Peaceful Lane	Entire Length, Including All Rights-of-Way	20 MPH
Poplar Avenue	Entire Length, Including All Rights-of-Way	20 MPH
Rio Grande Avenue	From Southernmost termination to intersection of 3rd Street, and including all Rights-of-Way	20 MPH
Rio Grande Avenue	From Intersection of 3rd Street to Intersection of Pan American Avenue, and Including All Rights-of-Way	15 MPH
Vista Drive	Entire Length, Including All Rights-of-Way	20 MPH
Shady Lane	Entire Length, Including All Rights-of-Way	20 MPH
1st Street	Entire Length, Including All Rights-of-Way	20 MPH
2nd Street	Entire Length, Including All Rights-of-Way	20 MPH
3rd Street	Entire Length, Including All Rights-of-Way	20 MPH
4th Street	Entire Length, Including All Rights-of-Way	15 MPH
5th Street	Entire Length, Including All Rights-of-Way	15 MPH
6th Street	Entire Length, Including All Rights-of-Way	20 MPH
7th Street	Entire Length, Including All Rights-of-Way	20 MPH
Alleyways	Entire Length, Including All Rights-of-Way	5 MPH

(2) Traffic Control Signage. The following schedule shall guide the Town’s placement of traffic control signs within Town limits, but shall not be binding on the Town. It shall be unlawful for any person to fail to comply with any traffic control sign located within Town limits. Nothing in this subsection shall give rise to any liability on the part of the Town for any act or omission in connection with traffic control signage. All Off-Road Vehicles (ORV), All Terrain Vehicles (ATV), Utility Terrain Vehicles (UTV), Off-Highway Vehicles (OHV), and similar vehicles must also follow provisions of this Code.

a.

<i>Street</i>	<i>Location</i>	<i>Sign Type</i>
1st Street	Each intersecting street shall have stop signs at intersections with 1st Street, and at 1st Street at the intersection of 1st Street and Onarga Avenue, and at Niagra Avenue and 1st Street	Stop Signs
2nd Street	Each intersecting street shall have stop signs at intersections with 2nd Street, and at 2nd Street at the intersection of 2nd Street and Niagra Avenue	Stop Signs
2nd Street	There shall be a yield sign at 2nd Street at the interesection of 2nd Street and Paonia Avenue	Yield Signs
3rd Street	Each intersecting street shall have stop signs at intersection with 3rd Street, and at 3rd Street at the intersection of 3rd Street and Grand Avenue, and at 3rd Street at the intersection of Box Elder Avenue, and at 3rd Street at the intersection of Orchard Avenue, and at 3rd Street at the intersection of Rio Grande Avenue, and at 3rd Street at the intersection of Clark Avenue	Stop Signs
4th Street	Each intersecting street shall have stop signs at intersection with 4th Street, and at 4th Street at the intersection of 4th Street and Niagra Avenue, and at 4th Street at the intersection of 4th Street and Grand Avenue, and at 4th Street and the intersection of Onarga Avenue, and at 4th Street and the intersection of Delta Avenue	Stop Signs
5th Street	Each intersecting street shall have stop signs at intersection with 5th Street, and at 5th Street at the intersection of 5th Street and Grand Avenue, and at 5th Street at the intersection of 5th Street and Box Elder Avenue	Stop Signs
6th Street	Each intersecting street shall have stop signs at intersection with 6th Street, and at 6th Street at the intersection of 6th Street and North Fork Avenue, and at 6th Street at the intersection of 6th Street and Oak Avenue	Stop Signs
7th Street	Each intersecting street shall have stop signs at intersection with 7th Street, and at 7th Street at the intersection of 7th Street and Oak Avenue	Stop Signs

Alder Drive	Each intersecting street shall have stop signs at intersection with Alder Drive	Stop Signs
Grand Avenue	Each intersecting street shall have stop signs at intersection with Grand Avenue	Stop Signs
Meadowbrook Boulevard	At Meadowbrook at the intersection of Meadowbrook and Paonia Avenue and 2nd Street	Stop Signs
Pan American Avenue	Each intersecting street shall have stop signs at intersection with Pan American drive	Stop Signs
Vista Drive	There shall be a yield sign at the intersection of Vista Drive and Hawks Haven Road	Yield Signs
Vista Drive	Each intersecting street shall have stop signs at intersection with Vista Drive, and at private, multiple family residence parking lots that exit and enter onto Vista Drive, the intersection of Vista Drive and Hawks Haven Road is an exception	Stop Signs

b. There shall be stop signs at every exit from public facilities onto streets and public rights-of-way.

(3) Crosswalks. The following schedule shall guide the location of pedestrian crosswalks within Town limits, but shall not be binding on the Town.

a.

<i>Street</i>	<i>Location</i>	<i>Crosswalk</i>
1st Street	There shall be crosswalks at the intersection of 1st Street and Grand Avenue	Crosswalk
2nd Street	There shall be crosswalks at the intersection of 2nd Street and Main Street, and at 2nd Street and Grand Avenue,	Crosswalk
3rd Street	There shall be crosswalks at the intersection of 3rd Street and Grand Avenue, and at 3rd Street and Box Elder Avenue, and at 3rd Street and Orchard Avenue, and at 3rd Street and Clark Avenue	Crosswalk
4th Street	There shall be crosswalks at the intersection of 4th Street and Grand Avenue, and at 4th Street and Onarga Avenue, and at the intersection of 4th Street and Box Elder Avenue, and at the intersection of 4th Street and Orchard Avenue	Crosswalk
5th Street	There shall be crosswalks at the intersection of 5th Street and Box Elder Avenue	Crosswalk

(4) Parking Restrictions. The following schedule shall guide the Town’s restrictions on parking within Town limits, but shall not be binding on the Town. It shall be unlawful for any person to fail to comply with any parking restriction located within Town limits. Nothing in this subsection shall give rise to any liability on the part of the Town for any act or omission in connection with parking restrictions.

a.

<i>Street</i>	<i>Location</i>	<i>Restriction</i>
Main Street	Between 2nd Street and Midblock to 3rd Street	No Parking
Pan American Avenue	The intersection of Pan American Avenue and Hawks Haven Road is to be utilized for loading and unloading of passengers and equipment to utilize the trails only	Loading and Unloading Only
Pan American Avenue	Vehicles designated as agricultural are allowed to park at the intersection of Pan American Avenue and Hawks Haven Road, especially those with trailers for livestock and work animals (e.g. horses)	Agricultural Parking Only
Pan American Avenue	There shall be no parking at Pan American Avneue and Hawks Haven Road except for Agricultural Parking as noted in this schedule, vehicles may load and unload, and park at Apple Valley Park	No Parking
Clark Avenue	There shall be no parking at on the West side of Clark Avenue, North of 3rd Street, along the 300 Block, from 3rd Street to the dead-end of Clark Avenue.	No Parking
1st Street	There shall be no parking at on the North side of 1st Street, between Grand Avenue and Onarga Avenue.	No Parking

Section 2. Severability.

If any provision, clause, sentence or paragraph of this Ordinance or the application thereof to any person or circumstance shall be held invalid, such invalidity shall not affect the other provisions of this Ordinance which can be given effect without the invalid provision or application, and, to this end, the provisions of this Ordinance are declared to be severable.

Section 3. Repeal of Prior Ordinances.

All other ordinances or parts of ordinances in conflict herewith are hereby repealed.

Section 4. Interpretation

This ordinance shall be so interpreted and construed as to effectuate its general purpose to confirm with the State’s uniform system for regulation of vehicles and traffic. Section Headings of this Ordinance and Section and Title Headings of the adopted Model Traffic Code shall not be deemed to govern, limit, modify or in any manner affect the scope, meaning or extent of the provisions of any article or section thereof.

Section 5. Effective Date.

This Ordinance shall take effect thirty (30) days after passage.

INTRODUCED, READ, HEARD AND FINALLY ADOPTED by the Town of Paonia Board of Trustees for the Town of Paonia, Colorado, on the 12th day of December 2023.

TOWN OF PAONIA

By: _____
MARY BACHRAN, Mayor

ATTEST:

Samira Vetter, Town Clerk

APPROVED AS TO FORM:

By: /Nicolas Cotton-Baez
Kelly PC, Town Attorney



**TOWN OF PAONIA
BOARD OF TRUSTEES MEETING
STAFF REPORT**

AGENDA ITEM:	Agenda Item #9 - Consideration of Approval of Resolution 21-2023: Municipal Fines, Fees and Forfeitures
SUBMITTED BY:	Stefen Wynn, Town Administrator
DATE:	12/8/2023
BACKGROUND:	Interim Town Administrator Leslie Klusmire broached the subject of fee and fine revisions in Summer of 2023. There was a work session held on July 11, 2023 in which all fines, fees and forfeitures were discussed at length. Based on the notes gathered from that work session and from discussion with department heads and their staff, the following resolution was created. Any revisions, additions or combinations have been documented in an attachment to this Resolution. The format of the exhibit attached to the resolution was completed in a manner that is easier for staff to administer and reduces the confusion for residents, applicants and staff as to the cost of permits, or fines imposed by the Town of Paonia.
BUDGET:	The FY-2024 Budget is predicated on inclusion of certain fees added and considered within this Resolution, specifically for the Planning and Building Department.
RECOMMENDATION:	Staff recommends approval. RECOMMENDED MOTION: I move to approve Resolution 21-2023 revising Municipal Fines, Fees and Forfeitures.
ATTACHMENT:	Attachment A: 2023 Fee Changes for Staff Report Attachment B: RES 21-2023: Municipal Fines, Fees, and Forfeitures Attachment C: 2023 Fee Schedule Exhibit A

Changes:

- Community center - \$100 Refundable Deposit for Cleaning Fees
- Park Rental Fees – increase all fees by \$50 and cleaning and material refundable deposits \$100 for 4 hours less; \$250 Refundable deposit for cleaning and materials for 4+ hours and multiple days. Increase additional vendor fees by \$10
- Vendor Permits – \$25 annual registration fee for individual vendors that aren't associated with a park rental or special event.
- Added Prevailing cost for a printed code book
- Added cost of USB drive for digital code book
- Added \$50 Application Fee for Street Closure Permits
- \$10 per barricade (changed from actual cost plus 10%)
- \$5 per street cone and \$10 per Barrel (changed from Actual cost plus 10%) and added barrels
- Copies reduced to \$0.25 per Page for B&W and Added \$1.50 per page (Color)
- Added photographs cost of reproduction plus \$20
- Added Document Certification by Clerk \$2 per page
- Added Research fee of \$33.58 per hour for clerk and \$33.58 for attorney review of privileged information
- Added Insufficient Funds / Bad Check to \$35 plus associated bank charges
- Added Staff Processing Fee for Staff to Review all applications and renewals.
- Reduced Expired License Renewal (not more than 90 days) from \$500 to \$250/
- Added Administrative Processing Fee for Marijuana Licenses
- Added \$2,000 to deposit requirement for street cut and alley cut
- Added \$50 to application fee for street cut and alley cut
- Added \$25 for application for excavation permit
- Added \$1,000 deposit for Excavation permit refundable but for repairs
- Added Cost of Employee time to remediate ice and snow to fine for snow and ice removal
- Added cost for pre-application meetings, first hour free and then billed at \$80 per hour in 15-minute increments.
- Added zoning verification letters simple (\$50) and complex (\$150)
- Administrative Reviews \$80 per hour billed in 15-minute increments for all application review requests prior to actions involving land-use. (Some jurisdictions charge as much as \$250 base and increase from there)
- Increased by \$250 Zoning Variance Applications
- Added attorney fees for zoning board of adjustment appeals
- Zoning Amendment Application added Administrative Review Fee and Attorney Review Fee
- Added \$50 to Fence Review Application
- Added \$25 to the Sign Permit and included language, "including new permits and modifications to existing permits."
- Vacation of Right of Way added plus administrative review and attorney review fees
- Split Annexation and De-Annexation application fees (petitions) \$500 for annexation and \$1,000 for de-annexation with administrative and attorney fees.

- Increased Boundary Adjustment by \$50.
- Added language for minor subdivision for actual costs for TA and Attorney fees
- Added Language for major subdivision for actual costs for TA and Attorney fees and notified that other fees may also apply.
- Added Sketch Plan Review for Major Subdivision \$250.
- Added Major Subdivision Preliminary Plan Review \$1,000 plus administrative and attorney costs.
- Added Major Subdivision Final Plan Review plus administrative and attorney costs.
- Add Subdivision Improvement Agreement Amendments billed at administrative and attorney costs.
- Changed Site Plan Approval to Site Plan Review and added billed at administrative and attorney costs.
- Added Fines for limit on household pets
- Added fines for removal of brush and weeds

STATE OF COLORADO
TOWN OF PAONIA, COLORADO

RESOLUTION 21-2023

A RESOLUTION AMENDING
THE TOWN OF PAONIA FEE SCHEDULE

WHEREAS, the Town of Paonia has determined it has become necessary to increase certain fees to more accurately reflect the costs of the services performed by the Town; and

WHEREAS, administration of the Town’s functions and operations demand a substantial amount of time, effort and resources by the Town Staff the purpose of delivering services to the community; and

WHEREAS, the Town of Paonia has determined that the best interests of citizens of Paonia are served by requiring the users of Town services to be primarily responsible for paying the costs of such services; and

WHEREAS, the Town of Paonia has previously established and amended fees for some of these services and desires to amend the previously established fees as those fees have been determined to be inadequate to recover a portion of the costs of providing these services; and

WHEREAS, the Board of Trustees has reviewed the schedule of fees attached hereto as **EXHIBIT A**, and hereby finds and determines that the amounts for various fees are reasonable and necessary to reflect the intent that such fees recover at least a substantial portion of the associated costs incurred in providing the services.

NOW, THEREFORE, BE IT RESOLVED BY THE BOARD OF TRUSTEES OF THE TOWN OF PAONIA, COLORADO:

Section 1. The schedule of fees attached hereto and incorporated herein as **EXHIBIT A** is hereby approved and adopted, effective January 1, 2024.

Section 2. All other resolutions or parts of resolutions in conflict herewith are hereby repealed, and the fees set forth in the schedule of fees attached to this resolution shall supersede all fees outlined in previous schedules of fees.

Section 3. The Town Administrator, Town Clerk, and other appropriate Town staff, are hereby authorized and directed to take all necessary and appropriate action to implement and administer the adopted Town of Paonia Fee Schedule.

PASSED, APPROVED, AND ADOPTED this 12th day of December, 2023, by the Board of Trustees of the Town of Paonia.

Attest:

Samira M. Vetter, Town Clerk

Mary Bachran, Mayor

APPROVED AS TO FORM:

By: /s/ Nicolas Cotton-Baez
Kelly PC, Town Attorney

<u>Administrative Fees</u>	
FEE TYPE	FEE
<u>RENTALS</u>	
<i>Community Center Rental</i>	\$40 per Hour for 6 Hours or Less; \$60 for 6 Hours or More; \$100 Refundable Deposit for Cleaning Fees.
<i>Park Rental Fees (Large Group)</i>	\$150 per Day for 4 Hours or Less (includes 3 dumpsters and up to 5 vendors); \$225 per Day for 4+ Hours, until 10:00 PM (includes 3 dumpsters and up to 10 vendors); \$200 per Day for Multiple Days, 3+ Consecutive Days (includes 3 dumpsters and up to 10 vendors); \$15 for each additional vendor; \$100 Refundable Deposit for Cleaning & Material Fees for 4 Hours or Less; \$250 Refundable Deposit for Cleaning & Material Fees. \$50 Credit for Providing a Recycling Option - Applicants are Responsible for Taking Recycling to Appropriate Facilities, if recyclable material is thrown into a Town dumpster by applicants' representatives, the credit will not apply. Any Applicable on-premise liquor fees also apply.
<i>Sidewalk Rentals for Business Use</i>	\$25 per Item on Public Sidewalk, Annually, Renewable each June.
<i>Vendor Permits</i>	\$25 Annual Registration Fee (Individual Vendor, Unassociated with Park Rental, or Special Event).
<i>Street Closure Permit</i>	\$50 Application Fee; and \$25 per Hour of Street Closure for Special Events.
<i>Barricade Rental</i>	\$10 per Barricade per Event
<i>Street Cone & Barrel Rental</i>	\$5 per Cone per Event and \$10 per Barrel per Event
<u>ADMINISTRATIVE SERVICES</u>	
<i>Special Meeting Fee</i>	\$250 fee associated with special meetings for expedited Board consideration on applications, permits and other services.
<i>Digital Code Book</i>	\$75 per Digital Code Book plus cost of USB Flash Drive.
<i>Printed Code Book</i>	Prevailing Rate: Cost from Municode \$421.14 with Binder; Cost from Municode \$315.84 without Binder; Printed Copy (by Page) \$84.35.
<i>Public Records Requests - Copies</i>	\$0.25 per Page (Black & White); \$1.50 per Page (Color).
<i>Public Records Requests - Photographs</i>	Cost of Photograph Reproduction plus \$20.00.
<i>Public Records Requests - Research</i>	\$33.58 per Hour, after the free first hour, for Clerk to Research and Compile Complex Public Records, the Attorney fee to review for privileged information is \$33.58 per Hour.
<i>Public Records Requests - Certified Copies by Clerk</i>	\$2 per Page.
<i>Insufficient Funds / Bad Check Fee</i>	\$35 plus Associated Bank Charges.
<i>Annual Dog Tag</i>	\$10 per Spayed/Neutered Dog; \$25 per not Spayed/Neutered Dog; \$10 for Replacement Tag per Dog; Free Registration for Guide/Service Dog with Medically Necessary Proof. Early registration/renewal discount of \$5 if Completed in December.
<i>VIN Inspection</i>	\$10 for Regular VIN Inspections, performed by the Police Department.

<u>LIQUOR LICENSES</u>	
<i>Administrative Processing Fee</i>	\$75 per Application, and per Renewal, added onto each permit fee for Staff to Review.
<i>Local Liquor License Fee - New Application</i>	\$1,000 Local liquor license Fee for new Applications.
<i>Transfer of Location and/or Ownership</i>	\$750 per Application.
<i>Annual License Renewal</i>	\$100 per Renewal Application.
<i>Expired License Renewal (not more than 90 Days)</i>	\$250 per Renewal Application, plus any applicable Reissue Fines.
<i>Expired License Renewal (More than 90 Days but less than 180 Days)</i>	\$500 per Renewal Application, plus any applicable Reissue Fines.
<i>Application Reissue Fine (More than 90 Days, but less than 180 Days)</i>	\$25 per Day for each day past 90 days, as an additional fee for expired/late license renewals.
<i>Report of Change</i>	\$75 per each Report of Change.
<i>Liquor License Fee - On Premise (Public Property Rentals)</i>	\$50 per Day, up to \$150.
<u>MARIJUANA LICENSES</u>	
<i>Administrative Processing Fee</i>	\$75 per Application, and per Renewal, added onto each permit fee for Staff to Review.
<i>Medical Marijuana - New Application</i>	\$5,000 per Application.
<i>Medical Marijuana - New License</i>	\$2,000 per License.
<i>Medical Marijuana - New Delivery Permit (if Applicable)</i>	\$500 per Application Permit.
<i>Medical Marijuana - Renewal Application</i>	\$300 per Renewal Application.
<i>Medical Marijuana - Renewal License</i>	\$2,000 per Renewal License.
<i>Medical Marijuana - Renewal Delivery Permit (if Applicable)</i>	\$500 per Renewal of Permit.
<i>Medical Marijuana - Transfer of Ownership</i>	\$5,000 for each Instance of Transfer of Ownership.
<i>Medical Marijuana - Major Modification of Premises</i>	\$1,500 per Application for Modification of Premises.
<i>Medical Marijuana - Change of Corporate Structure</i>	\$1,000 per Application for Change of Corporate Structure.
<i>Medical Marijuana - Change of Location</i>	\$3,000 per Application for Change of Location.
<i>Retail Marijuana - New Application</i>	\$5,000 per Application.
<i>Retail Marijuana - New License</i>	\$2,000 per License.

<i>Retail Marijuana - Delivery Permit (New)</i>	\$500 per Application Permit.
<i>Retail Marijuana - Renewal Application</i>	\$300 per Renewal Application.
<i>Retail Marijuana - Renewal License</i>	\$2,000 per Renewal License.
<i>Retail Marijuana - Renewal Delivery Permit (If Applicable)</i>	\$500 per Renewal of Permit.
<i>Retail Marijuana - Transfer of Ownership</i>	\$5,000 for each Instance of Transfer of Ownership.
<i>Retail Marijuana - Major Modification of Premises</i>	\$1,500 per Application for Modification of Premises.
<i>Retail Marijuana - Change of Corporate Structure</i>	\$1,000 per Application for Change of Corporate Structure.
<i>Retail Marijuana - Change of Location</i>	\$3,000 per Application for Change of Location.
<u>PUBLIC WORKS SERVICES</u>	
<i>Street Cut Fee</i>	\$150 per Permit with \$4,500 Refundable Deposit for repairs required.
<i>Alley Cut Fee</i>	\$150 per Permit with \$4,500 Refundable Deposit for repairs required.
<i>Excavation Permit</i>	\$75 per Permit, and \$1,000 Refundable Deposit for repairs required.
<i>Snow and Ice Removal Fine</i>	\$150 Fine plus cost of Employee Time to remediate snow and ice.
<u>PLANNING, ZONING AND LAND USE SERVICES</u>	
<i>Pre-Application Meetings</i>	The first hour of pre-application meetings are free, and \$80 per hour after first hour, billed in 15 minute increments.
<i>Zoning Verification Letters</i>	\$50 Simple Zoning Verification Letters (Description of current zoning, summary of uses allowed by zoning, and list of applicable development applications such as site development plans and uses by special review) with a typical one-week response; \$150 Complex Zoning Verification Letters (information from simple zoning verification letter and list of known zoning violations, and responses to specific questions that are clearly listed in the application) with a typical two - three week response.
<i>Administrative Reviews</i>	\$80 per hour, billed in 15 minute increments, for all application review requiring the Town Administrator's Review prior to actions involving land-use.
<i>Zoning Variance Application</i>	\$500 for Zoning Variance Applications.
<i>Zoning Board of Adjustment Appeals</i>	\$250 Application fee and the cost of the Town Attorney's Review billed at \$235 an Hour in 15-minute increments.
<i>Zoning Amendment Application (Re-Zoning)</i>	\$500 Application Fee plus Administrative Review billed at \$80 per hour in 15-minute increments and Town Attorney Review billed at \$235 an Hour in 15-minute increments.
<i>Land Development Regulation Amendment Application</i>	(Code Text Amendment) \$500 Application Fee plus Administrative Review billed at \$80 per hour in 15-minute increments and Town Attorney Review billed at \$235 an Hour in 15-minute increments.
<i>Special Review (Special Use)</i>	\$250 Application fee for Special Use Reviews within zoning districts plus Administrative Review billed at \$80 per hour in 15-minute increments and Town Attorney Review billed at \$235 an Hour in 15-minute increments.

<i>Mobile Home Park Application (New)</i>	\$250 Application Fee plus Administrative Review billed at \$80 per hour in 15-minute increments and Town Attorney Review billed at \$235 an Hour in 15-minute increments.
<i>Mobile Home Park Annual License Renewal</i>	\$250 per Renewal Application.
<i>Conditional Use Permit</i>	\$100 per Application plus Administrative Review billed at \$80 per hour in 15-minute increments and Town Attorney Review billed at \$235 an Hour in 15-minute increments.
<i>Home Occupation Permit</i>	\$250 per Application for Permit.
<i>Fence Review Application</i>	\$100 per Fence Review Application.
<i>Sign Permit Application</i>	\$100 for all Sign Permit Applications, including new permits, and modifications to existing permits.
<i>Vacation of Right of Way/Easement Applications</i>	\$250 Application Fee plus Administrative Review billed at \$80 per hour in 15-minute increments and Town Attorney Review billed at \$235 an Hour in 15-minute increments.
<i>Annexation Petition</i>	\$500 Application Fee plus Administrative Review billed at \$80 per hour in 15-minute increments and Town Attorney Review billed at \$235 an Hour in 15-minute increments.
<i>De-Annexation Petition (Disconnection)</i>	\$1,000 Application Fee plus Administrative Review billed at \$80 per hour in 15-minute increments and Town Attorney Review billed at \$235 an Hour in 15-minute increments.
<i>Boundary Adjustment Application</i>	\$250 Application Fee.
<i>Minor Subdivision Application Fee</i>	\$500 Application Fee plus Administrative Review billed at \$80 per hour in 15-minute increments and Town Attorney Review billed at \$235 an Hour in 15-minute increments.
<i>Major Subdivision - Application Fee</i>	\$1,000 Application Fee plus Administrative Review billed at \$80 per hour in 15-minute increments and Town Attorney Review billed at \$235 an Hour in 15-minute increments. Other fees for Major Subdivision May Apply as well.
<i>Major Subdivision - Sketch Plan Review</i>	\$250 for Sketch Plan Review.
<i>Major Subdivision - Preliminary Plan</i>	\$1,000 Preliminary Plan Review plus Administrative Review billed at \$80 per hour in 15-minute increments and Town Attorney Review billed at \$235 an Hour in 15-minute increments.
<i>Major Subdivision - Final Plan</i>	\$500 Final Plan Review plus Administrative Review billed at \$80 per hour in 15-minute increments and Town Attorney Review billed at \$235 an Hour in 15-minute increments.
<i>Subdivision Improvement Agreement Amendment</i>	Amendments to any Subdivision Improvement Agreements are billed for Administrative Review billed at \$80 per hour in 15-minute increments and Town Attorney Review billed at \$235 an Hour in 15-minute increments.
<i>Site Plan Reviews (formerly incorrectly labeled as Approval)</i>	Administrative Review billed at \$80 per hour in 15-minute increments and Town Attorney Review billed at \$235 an Hour in 15-minute increments.
<i>Site Plan Appeal (to Board of Trustees)</i>	\$1,000 Application Fee.
<i>Planned Unit Development - Preliminary Plan</i>	\$500 Application Fee plus Administrative Review billed at \$80 per hour in 15-minute increments and Town Attorney Review billed at \$235 an Hour in 15-minute increments.
<i>Planned Unit Development - Final Plan</i>	\$1,000 plus Administrative Review billed at \$80 per hour in 15-minute increments and Town Attorney Review billed at \$235 an Hour in 15-minute increments.

<u>BUILDING PERMITS</u>	
<i>Building Plan Review</i>	\$150 per Hour for Reviewing Building Plans.
<i>Mechanical Permits - New Construction</i>	\$150 Permit Fee for New Construction including additions and major renovations. Upgrades to mechanical systems are based on Valuation and not this permit.
<i>Solar System Permits</i>	\$250 Permit Fee for physical connections and gravity loads, applicant still needs to apply for State Electrical Permit separately.
<i>Residential Re-Roof Permits</i>	\$200 Permit Fee.
<i>Commercial Re-Roof Permits</i>	\$400 Permit Fee.
<i>Demolition Permits</i>	\$150 Permit Fee, applicant still needs to apply for a State Demolition Permit separately, and needs to demonstrate that the applicant has complied with State requirements for Asbestos abatement and inspections prior to local issuance of permit.
<i>Floodplain Development Permits</i>	\$150 Permit Fee. Applicant required to provide surveying and/or engineering at their own expense.
<i>Renovation Permits</i>	Follows Plan review schedule, and General Valuation Schedule but must obtain a State Renovation Permit to demonstrate that trigger levels for square footage of materials disturbed will not be exceeded.
<i>Reinspection Fees</i>	\$75 Resinspection Fee when applicant scheduled inspection but wasn't ready for the inspection, when a previously noted correction has not been completed prior to inspection request being submitted and shall be paid prior to scheduling next inspection.
<i>Reissue Fee (Expired Permits)</i>	50% of the Original Permit Fee, provided that no changes have been made, or will be made, to the original plans and specifications; and further provided that the expiration has not exceeded (1) year. Otherwise, a plan review fee would be charged in addition to this fee.
<i>Failure to Obtain Building Permit</i>	Valuation Cost of Obtaining Building Permit plus \$100. Any person who commences any work on a building or structure, or proceeds with mechanical work before obtaining necessary permits shall be subject to a fee in addition to the required permit fees. Payment of these fees is in addition to the fees associated with obtaining a building permit, and is generally considered paying for the permit twice plus \$100. Payment of this fee does not constitute approval of work already completed and does not assure that a permit will be issued for the project under consideration.
<u>BUILDING PERMITS VALUATIONS</u> <small>(From the ICC/IRC Appendix AL Permit Fees for 2021)</small>	
<i>Total Valuation - \$1 to \$500</i>	\$24 Permit Fee.
<i>Total Valuation - \$501 to \$2,000</i>	\$24 for the first \$500; plus \$3 for each additional \$100 or fraction thereof, up to and including \$2,000.
<i>Total Valuation - \$2,001 to \$40,000</i>	\$69 for the first \$2,000; plus \$11 for each additional \$1,000 or fraction thereof, up to and including \$40,000.
<i>Total Valuation - \$40,001 to \$100,000</i>	\$487 for the first \$40,000; plus \$9 for each additional \$1,000 or fraction thereof, up to and including \$100,000.
<i>Total Valuation - \$100,001 to \$500,000</i>	\$1,027 for the first \$100,000; plus \$7 for each additional \$1,000 of fraction thereof, up to and including \$500,000.
<i>Total Valuation - \$500,001 to \$1,000,000</i>	\$3,827 for the first \$500,000; plus \$5 for each additional
<i>Total Valuation - \$1,000,001 to \$5,000,000</i>	\$6,327 for the first \$1,000,000; plus \$3 for each additional \$1,000 or fraction thereof, up to and including \$5,000,000.

<u>FINES AND FORFEITURES</u>	
FINE TYPE	FINE
<u>CHARGES</u>	
<i>Court Cost</i>	\$25 per Court Hearing.
<i>PMC § 7-2-10 Nuisances Prohibited</i>	\$150 Fine.
<i>PMC § 7-2-30 Unwholesome Business or Establishment</i>	\$250 Fine.
<i>PMC § 7-2-40 Solicitors and Vendors</i>	\$75 Fine.
<i>PMC § 7-3-40 Accumulation of Junk/Unlawful Acts</i>	Summons to Municipal Court.
<i>PMC § 7-4-10 Storage of Litter</i>	1st Offense \$75 Fine; 2nd Offense \$150 Fine; 3rd Offense Summons to Municipal Court.
<i>PMC § 7-7-50 Vicious Animals</i>	1st Offense \$100 Fine; 2nd Offense \$200 Fine; 3rd Offense Summons to Municipal Court.
<i>PMC § 7-7-210 Vaccination Required</i>	\$250 Fine.
<i>PMC § 7-7-240 Animal Confinement (Per Diem)</i>	\$50 per Day.
<i>PMC § 7-7-330 Animal at Large</i>	1st Offense \$50 Fine; 2nd Offense \$100 Fine; 3rd Offense Summons to Municipal Court.
<i>PMC § 7-7-340 Removal of (animal) Excrement</i>	Actual Cost of Public Works Employees Time + 10%.
<i>PMC § 7-7-370 Cruelty to Animals</i>	Summons to Municipal Court.
<i>PMC § 8-2-70 Golf Cart Insurance Required</i>	Summons to Municipal Court.
<i>PMC § 8-3-20 Parking of Certain Vehicles</i>	\$100 Fine.
<i>PMC § 10-1-50 Conspiracy</i>	Summons to Municipal Court.
<i>PMC § 10-1-60 Complicity</i>	Summons to Municipal Court.
<i>PMC § 10-1-70 Accessory to Crime</i>	Summons to Municipal Court.
<i>PMC § 10-1-80 Aiding and Abetting</i>	Summons to Municipal Court.
<i>PMC § 10-2-10 Obstructing Government Operations</i>	Summons to Municipal Court.
<i>PMC § 10-2-20 Obstructing a Peace Officer or Firefighter</i>	\$250 Fine.
<i>PMC § 10-2-30 Impersonating a Public Servant</i>	Summons to Municipal Court.
<i>PMC § 10-2-40 False Reporting to Authorities</i>	\$300 Fine.
<i>PMC § 10-2-50 Refusal to Permit Inspections</i>	Summons to Municipal Court.

<i>PMC § 10-2-70 Resisting Arrest</i>	Summons to Municipal Court.
<i>PMC § 10-2-80 Escape</i>	Summons to Municipal Court.
<i>PMC § 10-2-90 Aiding Escape</i>	Summons to Municipal Court.
<i>PMC § 10-3-20 Obstruction of Public Property</i>	\$250 Fine.
<i>PMC § 10-3-40 Damage or Removal of Street Signs</i>	\$250 Fine.
<i>PMC § 10-4-10 Criminal Mischief (Under \$500)</i>	Summons to Municipal Court.
<i>PMC § 10-4-20 Destruction of Property</i>	Summons to Municipal Court.
<i>PMC § 10-4-30 Unlawful Entry</i>	\$150 Fine.
<i>PMC § 10-4-40 Trespass</i>	\$150 Fine.
<i>PMC § 10-4-70 Petty Theft <\$100</i>	1st Offense \$100 Fine; 2nd Offense Summons to Municipal Court.
<i>PMC § 10-4-70 Petty Theft >\$100</i>	Summons to Municipal Court.
<i>PMC § 10-4-80 Theft of Rental Property</i>	Summons to Municipal Court.
<i>PMC § 10-4-90 Theft by Receiving</i>	\$250 Fine.
<i>PMC § 10-4-100 Concealment of Goods</i>	\$150 Fine.
<i>PMC § 10-4-110 Shoplifting <\$100</i>	1st Offense \$100 Fine; 2nd Offense Summons to Municipal Court.
<i>PMC § 10-4-110 Shoplifting >\$100</i>	Summons to Municipal Court.
<i>PMC § 10-4-130 Tampering and Unauthorized Connection</i>	\$250 Fine.
<i>PMC § 10-4-50 Window Peeping</i>	\$250 Fine.
<i>PMC § 10-4-60 Littering</i>	\$100 Fine.
<i>PMC § 10-4-120 Avoiding Payment of Admission Fees</i>	\$100 Fine.
<i>PMC § 10-5-30 Harassment</i>	1st Offense \$100 Fine; 2nd Offense \$150 Fine; 3rd Offense Summons to Municipal Court.
<i>PMC § 10-5-10 Disorderly Conduct</i>	1st Offense \$100 Fine; 2nd Offense \$200 Fine; 3rd Offense Summons to Municipal Court.
<i>PMC § 10-5-20 Disrupting Lawful Assembly</i>	\$250 Fine.
<i>PMC § 10-5-40 Loitering</i>	\$150 Fine.
<i>PMC § 10-5-50 False Alarm (Fire Only)</i>	\$150 Fine.
<i>PMC § Storage of Flammable Liquids</i>	\$150 Fine.

<i>PMC § 10-5-70 Abandoned Containers, Vehicles & Appliances</i>	\$250 Fine.
<i>PMC § 10-5-80 Throwing Missles</i>	\$100 Fine.
<i>PMC § 10-5-90 Check Fraud (Under \$500)</i>	Summons to Municipal Court.
<i>PMC § 10-5-100 Indecent Conduct</i>	\$150 Fine.
<i>PMC § 10-5-110 Public Indecency</i>	Summons to Municipal Court.
<i>PMC § 10-6-10 Parent or Guardian Aiding or Abetting</i>	\$250 Fine.
<i>PMC § 10-6-20 Encouraging Delinquency</i>	\$250 Fine.
<i>PMC § 10-6-30 False Statement; False Credentials</i>	1st Offense \$75 Fine; 2nd Offense \$150 Fine; 3rd Offense Summons to Municipal Court.
<i>PMC § 10-6-40 Service of Others</i>	\$150 Fine.
<i>PMC § 10-6-50 Sale of Cigarettes & Tobacco Products</i>	\$250 Fine.
<i>PMC § 10-6-60 Frequenting Establishments Which Serve Alcohol</i>	\$500 Fine.
<i>PMC § 10-6-70 Juvenile Loitering</i>	1st Offense \$50 Fine; 2nd Offense \$100 Fine; 3rd Offense Summons to Municipal Court.
<i>PMC § 10-6-80 Fireworks</i>	\$150 Fine.
<i>PMC § 10-7-20 Alcohol Related Violations</i>	\$250 Fine.
<i>PMC § 10-7-30 Illegal Possession/Consumption of Alcohol by Minors</i>	Summons to Municipal Court.
<i>PMC § 10-7-40 Sale of Liquor Near Schools</i>	Summons to Municipal Court.
<i>PMC § 10-7-50 Alcoholic Beverages in certain Places</i>	\$250 Fine.
<i>PMC § 10-7-70 Open Container</i>	\$150 Fine.
<i>PMC § 10-7-80 Public Consumption</i>	\$100 Fine.
<i>PMC § 10-7-110 Possession of Paraphenalia</i>	\$150 Fine.
<i>PMC § 10-7-120 Possession of Canabis</i>	Summons to Municipal Court.
<i>PMC § 10-7-130 Abusing Toxic Vapors</i>	\$250 Fine.
<i>PMC § 10-8-20 Carrying Concealed Weapon; Forfeiture</i>	\$150 Fine.
<i>PMC § 10-8-30 Discharge of Firearms Prohibited</i>	Summons to Municipal Court.

<i>PMC § 10-8-40 Prohibited Use of Weapons</i>	Summons to Municipal Court.
<i>PMC § 10-8-50 Selling Weapons to Intoxicated Persons or Minors</i>	Summons to Municipal Court.
<i>PMC § 10-9-10 Unreasonable Noise</i>	1st Offense \$75 Fine; 2nd Offense \$150 Fine; 3rd Offense Summons to Municipal Court.
<i>PMC § 10-9-20 Sound Amplification in Vehicles Limited</i>	\$75 Fine.
<i>PMC § 10-10-11 Curfew</i>	1st Offense \$50 Fine; 2nd Offense \$100 Fine; 3rd Offense Summons to Municipal Court.
<i>PMC § 11-1-40 Bicycles Crossing Sidewalks</i>	\$100 Fine.
<i>PMC § 11-3-30 Glass Containers Prohibited</i>	\$150 Fine.
<i>PMC § 7-7-30 Limit on Household Pets</i>	1st Offense \$50 Fine; 2nd Offense \$100 Fine; 3rd Offense Summons to Municipal Court.
<i>PMC § 7-6-30 Removal of Brush and Weeds</i>	1st Offense Letter; 2nd Offense \$50 Fine; 3rd Offense \$100 Fine; Fourth Offense Summons to Municipal Court.



**TOWN OF PAONIA
BOARD OF TRUSTEES MEETING
STAFF REPORT**

AGENDA ITEM:	Agenda Item #10 - Consideration of Approval of Scoring Committee Recommendation for Selection of RFQ 2023-04 Hydrogeological Study
SUBMITTED BY:	Stefen Wynn, Town Administrator
DATE:	12/8/2023
BACKGROUND:	Four Proposals were received by the deadline from: Intera, Wright Water Engineers, SGM, and HRS Consultants. The proposals were opened during a public meeting on 12/7/23 at 4PM and read aloud then taken under advisement for scoring. The scoring committee consisted of: Stefen Wynn, Town Administrator; Samira Vetter, Town Clerk; Cory Heiniger, Public Works Director; and Jason Erickson, Public Works Supervisor in Charge of Water and Wastewater. The average scores for each firm from the scoring committee are as follows: SGM - 97; Intera - 95; HRS - 76.75; and Wright Water - 96.25. The highest scoring consulting firm is SGM with a NTE price of \$194,000.
BUDGET:	Budgeted: \$197,973 in FY-2024; NTE Price of \$194,000
RECOMMENDATION:	Staff recommends moving forward with SGM Engineering for completion of the Hydrogeological Study. RECOMMENDED MOTION: I move to approve the proposal from SGM Engineering for the Hydrogeological Study.
ATTACHMENT:	Attachment A: HRS Combined Scoresheets & Proposal Attachment B: Intera Combined Scoresheets & Proposal Attachment C: SGM Combined Scoresheets & Proposal Attachment D: Wright Water Combined Scoresheets & Proposal Attachment E: RFQ 2023-04 Hydrogeological Study

The Town of Paoinia
PROPOSAL EVALUATION

Project Name: Hydrogeological Study
Contractor: HRS Consultant

RFQ 2023-03 HYDROGEOLOGICAL STUDY

Evaluation Criteria	Score	Possible Points	Comments on Score
<u>Qualifications</u>	15	15	All consulting staff members have advanced degrees and extensive CO experience.
<u>Demonstrated ability working on water-related issues with similar governmental entities</u>	6	10	Previous experience in Colorado but no municipalities listed with contact information for similar projects.
<u>Firm's workload and availability</u>	10	10	Proposed Staff are newer to the firm and have an availability to focus on the work for the Town.
<u>Familiarity with water issues on the Western Slope</u>	15	25	Much of the work listed as representative is in different states, or related to abandoned mines.
<u>Credentials of the firm's project team numbers</u>	10	10	Staff have advanced degrees and have published extensively on groundwater resources.
<u>Detailed schedule for completing field work and developing the study</u>	5	10	While consideration of Phase I is appreciated, the other two phases operate on assumptions and no timeline given.
<u>Cost</u>	2	5	The only cost contemplated is for Phase I and leaves out substantial amounts for the other phases.
<u>Thoroughness and Completedness of Proposal</u>	9	15	Missing detailed information on timeline and proposal for other Phases.

TOTAL 72/100

The Town of Paoinia
PROPOSAL EVALUATION

Project Name: Hydrogeological Study
Contractor: HRS

RFQ 2023-03 HYDROGEOLOGICAL STUDY

Evaluation Criteria	Score	Possible Points	Comments on Score
<u>Qualifications</u>	15	15	Seems like they have a qualified team capable of completing the task.
<u>Demonstrated ability working on water-related issues with similar governmental entities</u>	10	10	They have completed work for a lot of government entities
<u>Firm's workload and availability</u>	7	10	Firm has a smaller workforce but should be able to accomplish the tasks
<u>Familiarity with water issues on the Western Slope</u>	15	25	Have completed a few projects on the western slope but nothing for the town
<u>Credentials of the firm's project team numbers</u>	10	10	14 person staff seems qualified for the challenges this project might encounter
<u>Detailed schedule for completing field work and developing the study</u>	7	10	No timeline for phase 3
<u>Cost</u>	2	5	Price is only for phase 1 work. Would have liked a rough estimate on other phases
<u>Thoroughness and Completedness of Proposal</u>	4	15	Lacks price estimates for other phases.

TOTAL 70

HRS left a lot of information out and it made it difficult to score. The score is lower on this one because its not as complete. I feel this team is also capable of finishing the project.

**The Town of Paoinia
PROPOSAL EVALUATION**

Project Name: Hydrogeological Study
Contractor: HRS

RFQ 2023-03 HYDROGEOLOGICAL STUDY

Evaluation Criteria	Score	Possible Points	Comments on Score
<u>Qualifications</u>	15	15	Seems like they have a qualified team capable of completing the task.
<u>Demonstrated ability working on water-related issues with similar governmental entities</u>	10	10	They have completed work for a lot of government entities
<u>Firm's workload and availability</u>	7	10	Firm has a smaller workforce but should be able to accomplish the tasks
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<u>Credentials of the firm's project team numbers</u>	10	10	14 person staff seems qualified for the challenges this project might encounter
<u>Detailed schedule for completing field work and developing the study</u>	7	10	No timeline for phase 3
<u>Cost</u>	2	5	Price is only for phase 1 work. Would have liked a rough estimate on other phases
<u>Thoroughness and Completedness of Proposal</u>	4	15	Lacks price estimates for other phases.

TOTAL 70

HRS left a lot of information out and it made it difficult to score. The score is lower on this one because it's not as complete. I feel this team is also capable of finishing the project.

Project Name: Hydrogeological Study
Contractor: HRS**RFQ 2023-03 HYDROGEOLOGICAL STUDY**

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<u>Firm's workload and availability</u>	7	10	Firm has a smaller workforce but should be able to accomplish the tasks
<u>Familiarity with water issues on the Western Slope</u>	15	25	Have completed a few projects on the western slope but nothing for the town
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<u>Detailed schedule for completing field work and developing the study</u>	7	10	No timeline for phase 3
<u>Cost</u>	2	5	Price is only for phase 1 work. Would have liked a rough estimate on other phases
<u>Thoroughness and Completedness of Proposal</u>	4	15	Lacks price estimates for other phases.

TOTAL 70

HRS left a lot of information out and it made it difficult to score. The score is lower on this one because it's not as complete. I feel this team is also capable of finishing the project.

Qualifications for Hydrogeological Study

Prepared for:



Prepared by:



HRS Water Consultants, Inc.
2764 Compass Dr., Suite 229
Grand Junction, CO. 81506
(970) 433-7168
Project Contact: Matthew J. Seitz, PG, PE
Principal Hydrogeologist
mseitz@hrswater.com

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HRS WATER CONSULTANTS, INC.

8885 West 14th Avenue
Lakewood, Colorado 80215
(303) 462-1111

CONSULTANTS IN
HYDROGEOLOGY AND
WATER RESOURCES

December 7, 2023

Mr. Stefan Wynn, M.P.A, Town Administrator
Town of Paonia – Office of the Town Administrator
214 Grand Ave.
Paonia, CO. 80428

Transmitted via email to: StefanW@TownofPaonia.com

Re: HRS Water Consultants’ Qualifications for Town of Paonia Hydrogeologic Study

Dear Mr. Wynn,

On behalf of HRS Water Consultants, I’m pleased to submit our qualifications and preliminary approach to complete a hydrogeologic study for the Town of Paonia. Founded in 1981, HRS is Colorado’s oldest groundwater consulting firm. We pride ourselves on providing creative and effective solutions and building long term relationships with many of our clients. As detailed in this document, our 14-person staff includes experts in hydrogeology, water rights water quality, and GIS. We have recently completed similar projects on the West Slope, and invite you to contact our references for these projects.

To more efficiently serve our West Slope clients, we opened our first ever field office in Grand Junction in April of this year. This field office, with support from our main office in Lakewood, will be well situated to cost-effectively complete the field studies proposed in Phase 2.

Thank you for the opportunity to provide this proposal. We look forward to working with the Town of Paonia and RESPEC to successfully increase the quantity and sustainability of spring and groundwater available to the Town. Please don’t hesitate to contact me if you have any questions.

Sincerely,



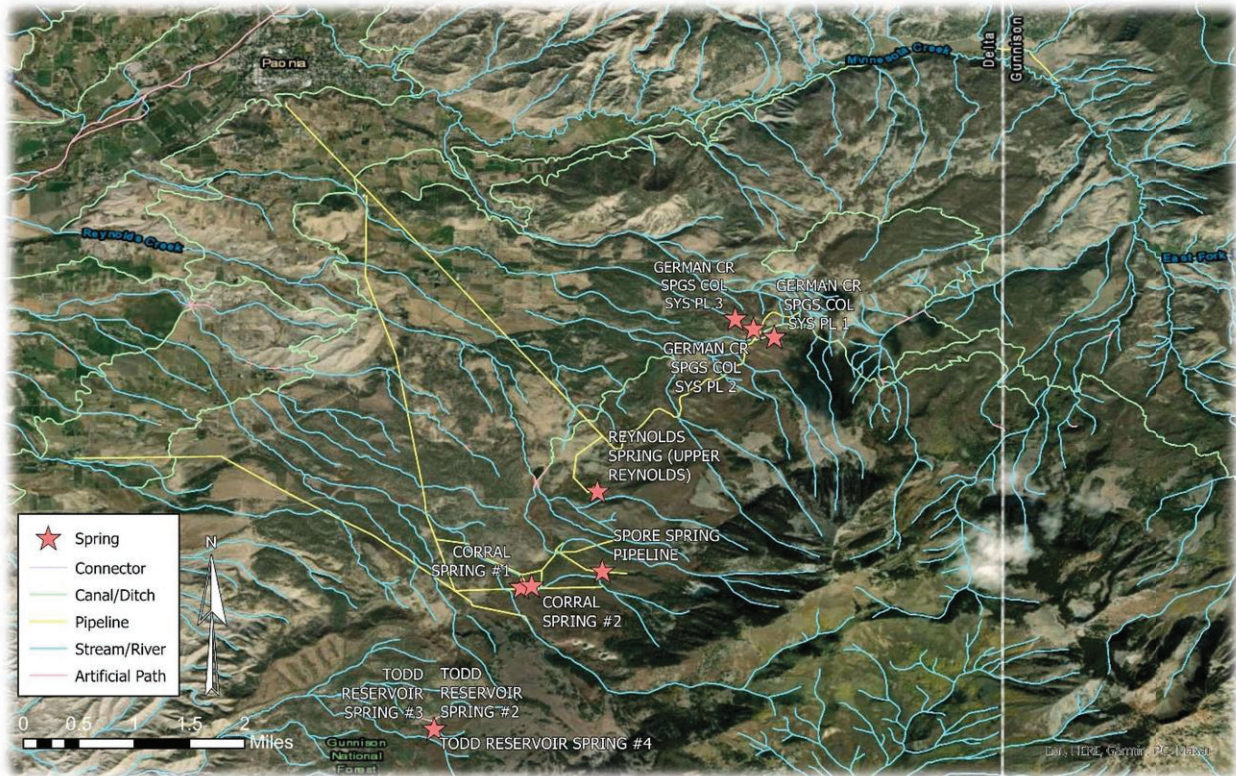
Matthew J. Seitz, PG, PE, Principal Hydrogeologist

Technical Proposal

Phase 1 – Hydrogeologic Study

The Town’s request for qualifications lists three anticipated phases of the hydrogeologic study. HRS has reviewed these phases, and we believe they are well thought out and lay the groundwork for a successful project. This section of our SOQ presents a preliminary version of HRS’ approach to completing the study and generally follows the three phases listed in the RFQ. Our approach for the field work and spring flow modeling tasks are likely to be refined based on our discussions, site visits, and new knowledge collected during the Phase 1 document and data collection and review.

Selected Town Springs near Mount Lamborn, southeast of Paonia.



Kickoff Meeting with Town Staff and RESPEC (Early January 2024)

We propose holding an in-person kick off meeting with Town Staff and RESPEC to discuss the current issues and possible improvements to the existing spring collection system. This meeting will include the three HRS staff members that will be completing the bulk of the project. These staff members are:

- Matt Seitz, PE, PG – Principal Hydrogeologist and HRS Project Lead and Lead developer of Hydrogeologic Conceptual Model (HCM)
- Mitch Dorsk – Hydrogeologist, Grand Junction Field Office – Phase 2 field work lead
- Robert Wyckoff, Senior Hydrogeologist - Groundwater / Spring Flow Modeling Lead

For all in-person meetings in Paonia, HRS will coordinate our visits with other times we are in already in Grand Junction. Accordingly, HRS' Front Range staff will not charge for travel time or mileage to and from Denver to our Grand Junction office.

The goals of the kickoff meeting are to learn more about the current operation of the Town's spring-fed water supply, how it has changed over the years, planned capital improvements, and other issues such as recharge, ditch operations, climate change, precipitation and runoff patterns, and any other issues that could inform HRS on the Town's goals and constraints and help focus our evaluation of the Phase 1 hydrogeologic reports and data.

Review and Evaluate Publications and Data – Develop Preliminary Hydrogeologic Conceptual Model (January 2024 – End of March 2024)

For the Phase 1 document and data review, we will review area geologic reports, well and spring documents maintained by CDWR, documentation received from the Town and RESPEC, and HRS' extensive in-house library and statewide GIS database of hydrologic features.

Developing a Hydrogeologic Conceptual Model (HCM) is an important element in understanding the factors that may impact spring flow timing, rate, and quality. A HCM is a qualitative description of the sources of groundwater inflow and outflow, the direction of groundwater flow, the extent and range of hydraulic properties of the aquifer and other geologic formations, and an assessment of how the groundwater system interacts with the surface water system.

HRS will create an inventory of aquifer properties in the study area (e.g., transmissivity, depth to water, spring flow over time, aquifer saturated thickness, depth to water, etc.). To prepare this SOQ, HRS briefly reviewed CDWR spring and well data and several hydrogeologic reports in the area. One report that may be helpful is a 2013 hydrogeologic study¹ prepared for Delta County that includes the North Fork Basin and the Town's springs northeast of Mount Lamborn and Landsend Peak.

¹ Kolm, K, and van der Heijde, P., October 31, 2013. Groundwater Systems in Delta County, Colorado: North Fork Valley and Terraces Area. Unpublished consultant's report prepared for Delta County Board of County Commissioners.

HRS will use the data from the literature review to prepare spring flow models. We anticipate using the USGS' MODFLOW modeling code, a widely used and powerful groundwater modeling code, to get preliminary flow models working at the Town's key springs.

Developing a sound HCW is a requirement to design an effective and economical field program. The HCM, in turn, is then refined using the field data with the goal of better answering the Town's key questions of spring yield, flow patterns, and water sustainability.

Draft Planning for Phase 2 Field Work – (During Phase 1 ~ March 2024)

Along with developing a HCW in Phase 1, HRS also plans to refine the outline of Phase 2 work in coordination with the Town and RESPEC. Some questions we will attempt to answer with the project team to develop spring yield increase strategies may include:

- What is the relationship between surface water flow in streams and ditches, irrigation return flows, and flow at springs?
- Are the springs contact springs that form at the intersection of the alluvial aquifer, the underlying bedrock, and the ground surface? Are any springs associated with fractured rock? What is the HCW at each key spring?
- Could the Town use managed aquifer recharge (e.g., in ditch recharge, surface recharge), to increase flow at springs to better meet the Town's demand?
- Could the Town install solid pipe in deepened spring boxes or wells at spring locations to allow enhanced gravity flow (i.e., by more siphoning water using the lowered "pumping" water level at the base of the pipe. We note this method was successfully used by HRS at a spring / gravity flow system and new well in Aspen).
- How do topography, geology, and water table control spring flow?
- How do our current best estimates of aquifer properties and water table elevation and associated flow calculations compare to discharge at the town's springs / horizontal collection galleries?
- Using the current estimated aquifer properties, how could installing new or lowering existing collection galleries change spring flow rate and duration?
- Does the Town require a gravity-flow spring system? Are pumps an option?
- Which areas, per Town input, are accessible to a drill rig capable of drilling monitoring wells? What type of drill rig should be used given the geology and project goals?
- Where should we install monitoring wells to deliver the most benefit to our spring flow modeling work?
- What is the baseline spring flow and how does this change during runoff season or during irrigation seasons?
- Are there any water quality issues due to spring flow contacting the Mancos Shale that underlies the alluvium?

Answering the above questions will facilitate finalizing the Phase 2 field work plan discussed in the next section.

Phase 2 – Implementation of Strategies to Improve Spring Flow and Source Water Quality

Based on our preliminary HCM developed for this SOQ using a small amount of the available data and limited time, we currently envision the following Phase 2 field program:

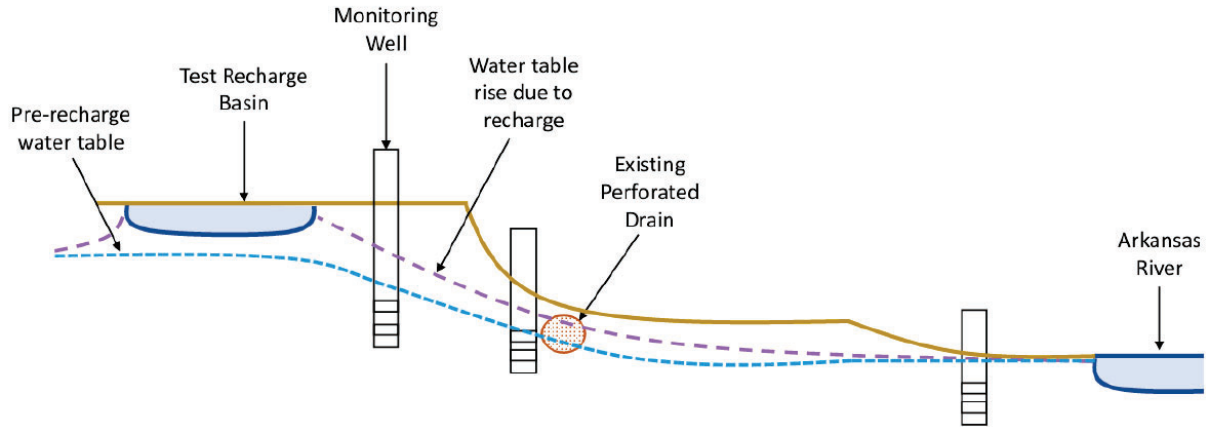
Task	Task Activities	Task Goals
Site Visit 1 (Early April 2024 depending on site access)	Observe springs, alluvial terraces, observe area geology, observe ditches and irrigated areas, observe Town’s collection, storage, and treatment infrastructure, observe drill rig access.	Refine list of Phase 2 field work and planned locations.
Site Visit 2 (Late April or Early May)	Stake planned test hole or monitoring well sites. If needed, meet onsite with drilling contractor.	Assign final locations of test drilling and / or aquifer testing. If needed, have drilling contractor and Town complete locates.
Observe monitoring well installation; aquifer test wells (May – July)	HRS field geologist will log geologic materials during drilling and well construction. HRS will complete aquifer testing to better estimate aquifer properties and ground water elevations. HRS will install water level loggers to collect time series water level data.	Use aquifer properties and water level time series data to calibrate preliminary spring flow models

The key goal of the Phase 2 field effort is to improve our ability to accurately model if various hypothetical changes in the spring collection system can better meet the Town’s sustainability and water demand goals. Many groundwater modeling projects use an iterative process where additional field data are collected to refine a model until the goals of the client are met or are deemed to be likely to be met to a reasonable degree of confidence.

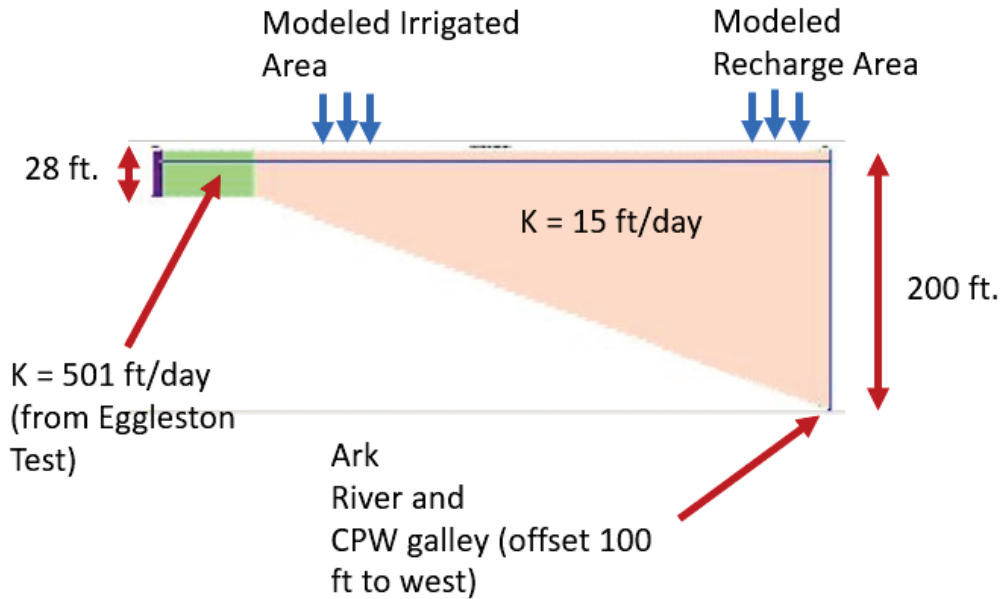
Complete Field Data Collection and Monitoring Well Installation

One possible Phase 2 approach is shown below using an example from a similar study HRS completed for an infiltration gallery near Salida.

Note: in the figure below, the recharge basin may be an irrigated field or possible new recharge basin installed by the Town. The label “Arkansas River” could be a spring location in the current study. Installing monitoring wells, then starting test recharge and measuring the response over time the wells, allows for in-situ calculation of aquifer properties. This in turn allows for a greatly improved groundwater model of spring flow.

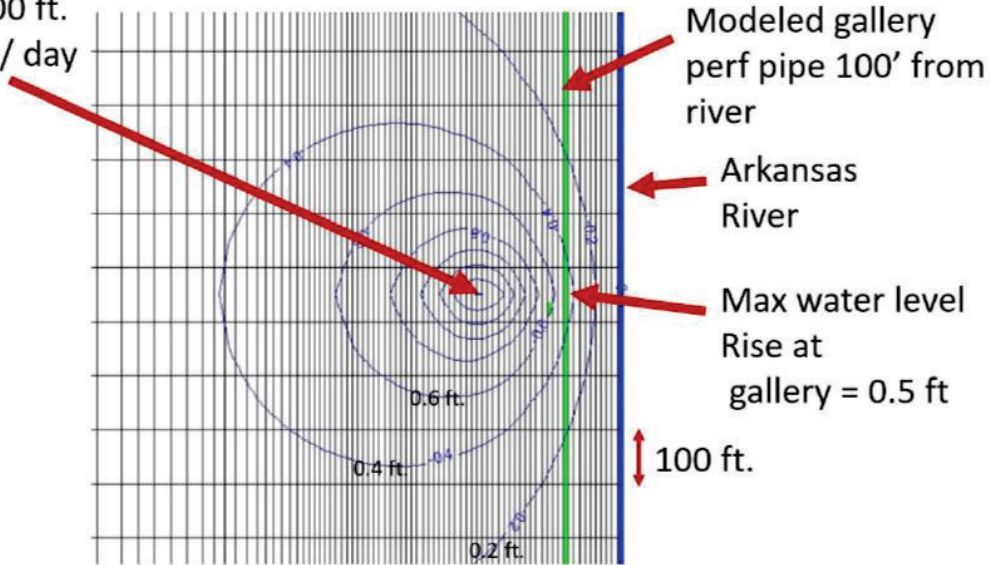


Note: in the cross section figure below, in-situ aquifer properties collected during field work are imported into a groundwater model.



Note: in the map view figure below, the model shows the effects of changing the depth of the infiltration gallery and the model calculates the estimated change in flow rate. We envision a similar process of groundwater modeling, informed by field data collection, to meet the Town's needs.

**Modeled recharge site; 100 x 100 ft.
1 ft recharge/ day**



Phase 3- Adaptive Management and Report

We envision that the Phase 3 adaptive management tasks will depend on the results of Phase 2. For example, if the Town requires more confidence that a proposed project to increase spring flow will work, HRS, in cooperation with the project team, may complete additional data collection or modeling to meet the project goals. It is also possible that the Phase 2 results meet the Town's requirements, and that the only Phase 3 task will be to document the results of Phases 1 and 2. Due to this uncertainty, HRS would prefer to work with the Town and its consultants to define a scope and cost for this Phase that best meets the Town's goals.

Resumes

Please see the attached resumes. Additional information on our staff is available at : www.hrswater.com



Education

- M.Eng., Civil Engineering – Geographic Information Systems, University of Colorado at Denver, 2007
- B.A., Geology, Colorado College, Colorado Springs, 1997

Registrations/Affiliations

- Registered Professional Engineer - Colorado
- Registered Professional Geologist/Geoscientist:
 - Wyoming
 - Utah
- Colorado Ground Water Association (Past President)
- National Ground Water Association
- Rocky Mountain Association of Geologists
- Colorado Water Well Contractors Association
- Rotary Club
- Engineers without Borders

Contact Information

- mseitz@hrswater.com
- www.HRSWater.com
- W: (303) 462-1111 ext. 301

Matthew J. Seitz, P.E., P.G. Principal Hydrogeologist

Experience Overview

Mr. Seitz is a Principal Hydrogeologist with HRS Water Consultants, Inc., and specializes in groundwater supply, hydrologic data analysis, data management, and project management.

His experience includes drilling project management, aquifer testing, aquifer storage and recovery, well site lithologic description, well construction observation, well design, well rehabilitation design, well pump system design, geophysical log interpretation, preparation of expert reports for Water Court proceedings, GIS data collection, hydrogeologic system conceptualization, aquifer test analysis, geologic mapping and cross section construction, pumping cost optimization studies, well permitting and regulatory compliance, construction cost estimation, preparation of bid documents and specifications, and spatial analysis of hydrologic systems using GIS.

Mr. Seitz is experienced in the creation of relational databases and geographic information system (GIS) models and their application to a wide range of surface and groundwater projects.

Mr. Seitz started his career in Hydrogeology at HRS in 1998 and has over 21 years of experience in the water consulting field, with most projects located in Colorado. His clients include municipalities, water districts, private well owners, farmers and ranchers, ditch companies, State and Federal agencies, HOAs, and natural resources companies.

Representative Projects

- Oversaw below grade design and completion of Colorado's first horizontal collector well (HCW-119) in 2016 for South Adams County Water & Sanitation District (SACWSD). The project included an HCW feasibility study, test drilling, HCW design and yield estimation, construction observation, documentation, and technical support to add the well to SACWD's augmentation plan. The well has the highest documented yield in the State of Colorado.
- Managed groundwater and GIS tasks for the CWCB and CDWR's Arkansas River Decision Support System (ArkDSS) project. Deliverables included GIS coverages of irrigated acreage across Division 2 with crop types interpreted using remote sensing, alluvial aquifer characterization and stream depletion analysis of all alluvial aquifer areas outside of the H-I Model area, georeferenced historical air photos, a database of drillers' logs, and other deliverables (see <https://cdss.colorado.gov/arkansas-river-dss>).
- Observation of drilling, geophysical logging, well construction, well development, and aquifer testing of over 25 Denver Basin aquifer wells (Denver, Arapahoe, Laramie-Fox Hills, and Upper Pierre aquifers for various clients (e.g., Colorado Springs Utilities, The Pinery, South Suburban Parks and Rec, Waste Management, Academy W&S District, Prosper Farms Investments, Noble Energy, etc).
- Completed a review of literature relevant to a lawn irrigation return flow study for a Denver Water. Used GIS software to facilitate the calculation of variables needed for input to a Glover stream depletion determination. Observed installed of over 50 monitoring wells and implemented water level monitoring program (Denver Water).

- Two-day field reconnaissance to develop a hydrogeologic conceptualization of a ground water basin west of Phoenix, Arizona. Developed water budget using field notes, published reports, and a large amount of spatial and tabular data. Used water budget to provide input files to MODFLOW ground water model. Created relational database to summarize data and presented results using GIS software. Analyzed InSAR and other data on land subsidence and prepared a report documenting sustainable sixty-year yield and estimated ultimate land subsidence. (Confidential client).
- Well design and testing observation of a replacement high-capacity alluvial well at Western Sugar Cooperative's Fort Morgan Plant. Replacement well greatly increased yield, well efficiency, and reduced pumping costs. Coordinated with local driller to implement unique and effective well development plan (Nov. 2015).
- Led or assisted in the economic analysis, site selection, well design, preparation of specifications, permitting, aquifer testing, and groundwater modeling of Colorado's first horizontal collector well (HCW). The HCW was completed in the South Platte alluvial aquifer in January 2017 and was successfully tested at rates of over 9,000 gpm (S. Adams Co. W&S District).
- Well rehabilitation of a municipal alluvial aquifer well in Vail, Colorado for Upper Eagle Regional Water Authority (UERWA). Designed mechanical and chemical well rehabilitation program to mitigate iron bacteria issue and designed pumping system to reduce galvanic corrosion of pumping equipment due to high dissolved oxygen and conductivity of well water.
- Designed and implemented a regional data collection program and ground water modeling effort to examine the risk of alluvial wells being designated as "ground water under the direct influence of surface water" (GWUDI) by the Colorado Dept. of Public Health and Environment (CDPHE). Coordinated with CDPHE to understand the evolution and nuances of their regulatory process; submitted comments during the draft GWUDI review period which were later incorporated into the final version of the GWUDI policy (Policy DW-003).
- Construction observation, aquifer testing, and pumping system startup testing of a well liner in an alluvial aquifer well in Edwards, Colorado. Successfully reduced sand content of well below AWWA standard. (Upper Eagle Regional Water Authority)
- Designed, operated, and interpreted a 5-day aquifer and recovery test of "headgate" well field on the South Platte River using 8 monitoring wells and a temporary hand-augered sand point well. Corrected data for stream stage fluctuations and barometric effects. Determined aquifer properties using test results and image well methodology.
- Hydrogeologist for the ground water component of the Rio Grande Decision Support System project in the San Luis Valley, Colorado. Provided data and analysis used to develop the State's Confined Aquifer Rules, particularly confined aquifer characteristics, geologic layering, and land subsidence potential due to pumping. Oversaw construction of 15 deep monitoring wells with associated extensometers and constant rate aquifer tests. (Colorado Water Conservation Board and Colorado Division of Water Resources)

Presentations and Publications

- Seitz, M.J., October 2023. "Groundwater Resources in Mesa County". Presentation at Upper Colorado River Basin Water Forum, Colorado Mesa University, Grand Junction, Colorado.
- Armstrong, M., Seitz, M., Beetle-Moorcroft, F., Lipson, D., September 2020. No-Purge Groundwater Sampling for PFAS. Groundwater. Vol. 58, Issue 6 (Nov/Dec).
- Seitz, M.J, and Ingels, Tyson (CDPHE), February 2015, "Is Your Water Well 'Under the Influence?' Strategies to Evaluate Groundwater Under the Direct Influence of Surface Water (GWUDI) Potential and Mitigate Risk." Presentation at Colorado Groundwater Association, Denver, Colorado.
- Seitz, M.J., January 2020, "The Glover Equation: Its history, limitations, and tips and tricks". Presentation at Colorado Water Congress, Westminster, Colorado.
- Seitz, M.J. 2018. Wells 101 – Location, Protection, Components. Presentation at Water Quality Association's Annual Convention and Exposition, Denver, CO. March 26, 2018.
- Seitz, M.J. 2018. Pumps 101 – Wells and Pumping Systems. Presented at Water Quality Association's Annual Convention and Exposition, Denver, CO. March 26, 2018.

- Seitz, M.J, and Michael, S.C., April 2013, "That Sinking Feeling - Using InSAR Data to Analyze Land Subsidence." Abstract and presentation at National Groundwater Association Groundwater Summit, San Antonio, TX. 2013.
- Seitz, M.J, July 2012, "Introduction to Hydrology of the South Platte Alluvial Aquifer." Abstract and presentation for Colorado Water Well Contractors Association, Breckenridge, CO.
- Seitz, M.J, October 2002, "Ground Water/Surface Water in the Medano Creek Floodplain, Great Sand Dunes National Monument, San Luis Valley, Colorado." Abstract and presentation at Geological Society of America Convention, Denver, Colorado.
- Seitz, M.J., May 9, 1997, "The Occurrence of Elevated Gamma Radiation Zones and possible Water Quality Impacts in Denver Basin Aquifers." Colorado College Undergraduate Distinction Thesis, May 9, 1997.

Water Court Experience

- City and County of Broomfield, CO. Division 1, Case No. 2006CW288 (09CW96), Application for Conditional Underground Water Right, Alternate Point of Diversion, Plan for Augmentation; completed Expert Meeting negotiations and trial preparation.
- Donala Water and Sanitation District. Division 2, Case No. 09CW096 (2009CW73), Application for Change of Water Rights and Conditional Exchange; completed Expert Meeting negotiations and trial preparation.
- Timbro Ranch and Cattle Co. Division 1, Case Nos. 13CW3144 / 14CW3134. First Amended Consolidated Application for Nontributary Underground Water Rights from the Upper Pierre Aquifer Or In the Alternative Conditional Underground Water Rights and Plan for Augmentation; Attended Expert Meetings, Prepared Expert rebuttal reports, provided Expert Witness support in Division 1 Water Court trial.



Education

- M.Science., Environmental Science Water, University of Colorado at Denver, 2020
- B.S., Geology, Metropolitan State University, Denver, 2015
- American Institute of Professional Geologists
- Colorado Mesa University – Ruth Hutchins Powell Water Center

Contact Information

- mdorsk@hrswater.com
- www.HRSWater.com
- W: (970) 433-7168

Mitchell Dorsk Hydrogeologist

Experience Overview

Mr. Dorsk is a Hydrogeologist with HRS Water Consultants, Inc., and specializes in Western Colorado Geology, water quality, aquifer studies, and project management.

His experience includes analyzing groundwater availability in Western Colorado, contaminant fate and transport, watershed health, aquifer protection plans, monitoring plans, well site lithologic description, well construction observation, preparation of technical reports for Water Court proceedings, GIS data collection, hydrogeologic system conceptualization, aquifer tests, geologic mapping and cross section construction, well permitting and regulatory compliance, and spatial analysis of hydrologic systems using GIS.

Mr. Dorsk started his career in Hydrogeology at Western Water and Land in 2020 and has over 3 years of experience in the water consulting field, with projects located in Colorado, Arizona, and New Mexico.

Representative Projects

- Authored an Aquifer Protection Plan for deep helium wells in the Coconino Basin, Arizona. Deliverables included hydrogeological conceptual site model, GIS spatial analysis package, aquifer characterization, water quality analysis of seeps and springs. Approved by Arizona Department of Environmental Quality for helium operator in 2023.
- Observation of drilling, well construction and well development of over 20 monitoring wells in Western Colorado ranging from alluvial to bedrock wells.
- Completed a review of literature relevant to a lawn irrigation return flow study for Denver Water. Used GIS software to facilitate the calculation of variables needed for input to a Glover stream depletion determination. Observed installed of over 50 monitoring wells and implemented water level monitoring program (Denver Water).
- Assisted in well rehabilitation of a municipal alluvial aquifer well in Aspen, Colorado for Pitkin Green Housing Authority. Designed a well rehabilitation program to reduce sand buildup below AWWA standard.

Presentations and Publications

- Dorsk, M.A., August 2020. *“Using Rare Earth Elements and other Geochemical Patterns as In-Situ Groundwater Tracers at the Bonita Peak Mining District Superfund Site”*. Master’s Thesis, University of Colorado – Denver. 2020.



Education

- M.B.A University of Colorado Leeds School of Business, Boulder, 2018
- M.S. Hydrology, The New Mexico Institute of Mining and Technology, Socorro, 2007
- B.A., Environmental Science, University of Virginia, Charlottesville, 2002
- B.A. Sociology, University of Virginia, Charlottesville, 2002

Awards

- University of Colorado Leeds School of Business Fellowship (2016-2018)
- New Mexico Tech Hydrology Program Mahdi Hantush Fellowship (2003-2006)
- University of Virginia Outstanding Student in Hydrology Award (2002)

Contact

E: rwyckoff@hrswater.com

C: 206.914.1816

Robert L. Wyckoff Senior Hydrogeologist

Experience Overview

Robert Wyckoff is a hydrogeologist with experience in surface water and groundwater flow and transport modeling, site characterization and remediation, hydrologic field studies, and hydrogeologic monitoring and sampling. This experience spans both municipal and private sector business areas including clean water resources management, mine permitting and legacy remediation, and industrial site remediation. He is routinely involved in the development of groundwater conceptual models that range in scale from site-specific to regional systems for both alluvial and bedrock settings and has extensive expertise with MODFLOW-based modeling packages. Robert also possesses advanced skills with ArcGIS software, statistical techniques, and data analytics. His field experience includes performance of aquifer tests and slug tests, groundwater sampling, monitoring well installations, stream gauge installation, and stream discharge measurements.

Representative Project Experience

Water Resources Management

Senior Hydrogeologist/Groundwater Modeler, Fort Bliss Drinking Water Supply Augmentation Study, El Paso, Texas. Updated and calibrated an existing regional groundwater model to simulate flow and transport in the aquifer beneath the Fort Bliss Army Base in El Paso, Texas (MODFLOW-NWT & MT3D-USGS). The regional grid was locally refined

in the area of the Base and the model was used to simulate projected future pumping demand and the resultant transport and capture of TDS by the well field. The modeling results estimated the volumes of water that the Army could pump while not significantly increasing water supply TDS concentrations, which would require costly treatment. Simulation results were used to develop a management plan for drinking water production wells to ensure a reliable water supply to meet growing demand.

Senior Hydrogeologist/Groundwater Modeler, Update of Groundwater Availability Model for the Southern Portion of the Queen City Sparta, and Carrizo Wilcox Aquifers, Texas Water Development Board. Updated and calibrated a numerical model for the southern portion of the Queen City, Sparta, and Carrizo-Wilcox aquifers used to manage groundwater resources. The numerical model was developed using MODFLOW 6 and included an oct-patch refined grid along rivers to provide improved resolution for quantifying surface-water interactions. The grid also contains vertical coarsening with depth and displaced connections across faults. The model was calibrated from 1980 through 2017 using PEST automated calibration tools. The model is currently being applied to evaluate the effects on groundwater resources under various future pumping scenarios.

Project Hydrogeologist/Lead Groundwater Modeler, Multiple Water Resources Projects, City of Goodyear, Arizona.

- **Aquifer Storage.** Updated an existing Arizona Department of Water Resources (ADWR) numerical groundwater model (MODFLOW-2000 to MODFLOW-NWT) for the Salt River Valley (SRV) to simulate potential impacts resulting from a proposed Underground Storage Facility (USF), which will recharge effluent from an existing wastewater treatment plant to the vadose

zone. The model was used as a predictive tool from 2019 through 2039 to simulate groundwater mounding resulting from the proposed facility. Cell rewetting issues in the legacy MODFLOW code resulted in numerical solution results that were concerning to the ADWR but not representative of the physical system – updating the code allowed the City to recharge the full desired amount and resolved ADWR’s concerns regarding groundwater level rise far away from the recharge Site.

- **Water Supply Modeling.** Assisted the City of Goodyear to prepare an application that was submitted to the Arizona Department of Water Resources (ADWR) for the modification of an existing Designation of Assured Water Supply (DAWS) in the Rainbow Valley subbasin. The application consists of multiple analyses including future water demand estimation, a demonstration that the groundwater source was physically and continuously available for at least 100 years, and an evaluation concluding that groundwater meets applicable water quality standards. Once the future pumping estimations were calculated, a numerical groundwater model was used to confirm that the physical availability of groundwater within Rainbow Valley is sufficient to meet project demands. An older model constructed for the basin in MODFLOW-SURFACT, was updated and simulations were performed using the newer USGS code MODFLOW-NWT.
- **Water Supply Modeling.** Adapted an existing MODFLOW-2005 groundwater model to demonstrate that the city could purchase an additional 4.4 mgd/day of water supply from the Adaman Mutual Water Company without resulting in overdraw of the groundwater aquifer.

Project Hydrogeologist/Lead Groundwater Modeler, Sierra Vista Environmental Operations Park (EOP) Groundwater Model Update, United States Bureau of Reclamation (BoR) and the City of Sierra Vista, Arizona. The Sierra Vista EOP is designed to treat up to 4.0 million gallons per day (mgd) of reclaimed water. Approximately 50 acres of wetlands are used to treat the water to tertiary standards before being recharged via 11 artificial recharge basins. The system is intended to augment spring flows in the vicinity of the EOP and increase baseflows in the San Pedro River. The project groundwater model was initially developed in 2009 and is used to evaluate regional impacts of recharge at the Sierra Vista EOP. As part of the 2015 model update (MODFLOW-NWT), updated EOP recharge volumes and regional pumping in the model were assigned through 2013. Once model calibration was confirmed, a predictive model was used to simulate potential impacts resulting from EOP recharge. As part of the predictive model, simulated groundwater pumping and EOP recharge were both gradually increased based upon population projection estimates. MODPATH was also used to simulate future advective transport away from the proposed EOP.

Project Hydrogeologist/Groundwater Modeler, Central Nebraska Groundwater Flow Model, Nebraska Department of Natural Resources (NDNR), Nebraska. Collaborated with NDNR to develop a regional numerical groundwater flow model (MODFLOW-NWT) for the Lower Niobrara, Loup, and Upper Elkhorn River basins in central Nebraska (CENEB). The CENEB model was developed to support NDNR’s annual evaluation of basin status and used to quantify surface water depletions resulting from cropland irrigation. CENEB model development used an existing USGS flow model as a starting point; significant refinements and expansions were undertaken to tailor the CENEB model to its intended purpose:

- Expanded active model domain, including portions of South
- Revised location and type of boundary conditions
- Included recharge and pumping inputs from a regional soil water balance model
- Increased the number of streamflow routing cells to all regulated tributaries (SFR2 Package)
- Implemented monthly stress periods to capture seasonality
- Calibrated the model to pre-1940 through 2011 water levels and stream baseflow hydrographs

Calibration of the CENEB model to steady-state pre-1940 groundwater conditions and to transient conditions from 1940 through 2011 demonstrated the model’s ability to quantify long-term changes in land use, recharge, pumping, groundwater flow, and groundwater-surface water interactions. The quantitative and qualitative calibration goals of the project were achieved. An independent third-party reviewer (HDR, Inc.), who evaluated the CENEB model and NDNR concluded that the CENEB model was “suitable for its purpose [and was a] very good model and report.”

Publications and Presentations

R. Wyckoff, J. Weaver, and J. Wright, 2017. "Simulating Managed Aquifer Recharge and San Pedro River (Arizona) Baseflow Augmentation using MODFLOW-NWT." MODFLOW & More Proceedings, Golden, Colorado.

E.R. Vivoni, A.J. Rinehart, L.A. Méndez-Barroso, C.A. Aragón, G. Bisht, M.B. Cardenas, E. Engle, B.A. Forman, M.D. Frisbee, H.A. Gutiérrez-Jurado, S. Hong, T.H. Mahmood, K. Tai and R.L. Wyckoff, 2008. "Vegetation Controls on Soil Moisture Distribution in the Valles Caldera, New Mexico, during the North American Monsoon." *Ecohydrology*, v.1, no.3, p. 271- 287.

Vivoni, E.R., Gutiérrez-Jurado, H.A., Aragón, C.A., Méndez-Barroso, L.A., Rinehart, A.J., Wyckoff, R.L., Rodríguez, J.C., Watts, C.J., Bolten, J.D., Lakshmi, V. and Jackson, T.J., 2007. "Variation of Hydrometeorological Conditions along a Topographic Transect in northwestern Mexico during the North American Monsoon." *Journal of Climate*. 20(9): 1792-1809.

Vivoni, E.R., Bowman, R.S., Wyckoff, R.L., Jakubowski, R. T. and Richards, K.E., 2006. "Analysis of a Monsoon Flood Event in an Ephemeral Tributary and Its Downstream Hydrologic Effects." *Water Resources Research*. 42 (3), W03404, doi: 10.1029/2005WR004036.

Firm Qualifications and Experience

Please see www.hrswater.com for details on our qualifications and experience.

Sections of our website applicable to the Town's project include:

General Hydrogeology Services:

<https://www.hrswater.com/services/hydrogeology/>

Groundwater Modeling:

<https://www.hrswater.com/services/hydrologic-modeling/>

Water Well Design and Testing

<https://www.hrswater.com/services/well-design-testing/>

References

Mr. Joe DeCrescentis, P.E., Design Manager
Colorado Parks and Wildlife

joe.decrescentis@state.co.us

P 303.291.7392 | C 720.317.7543
6060 Broadway, Denver, CO 80216

Project Example 1:

Groundwater supply evaluation and test drilling program, Crystal River Hatchery, Carbondale Colorado
HRS reviewed hydrogeologic data and designed and oversaw a test drilling and monitoring well installation program to increase the supply of high quality water at the hatchery. The drilling test drilling identified two favorable sites in an area of complex and rapidly changing geology. HRS hydrogeologists reviewed drilling records, surface geophysics, and other data. HRS prepared a report with recommended drilling site and an aquifer test design to build confidence in the aquifer response to increased pumping.

Project Example 2:

Groundwater supply evaluation, aquifer testing, stream depletion timing and water rights support, assessment of infiltration gallery design, design and over see construction of new well liner, completion of aquifer step and constant rate tests, design and prepare technical specifications for a new water supply well – Mt. Shavano Fish Hatchery, Salida, Colorado, 2019 through present.
HRS has completed an extensive multi-phase study of groundwater supply at the hatchery. The current ongoing project phase involves the installation of a well liner in an existing high capacity well and drilling a new well to provide whirling-disease free water for hatchery operations.

Mr. Dean Derosier, PE
Mountain Water Engineers (formerly with Merrick)

111 K AABC Aspen, CO. 81611
910-948-6848

MWAspen@ROF.net

Project Example 1:

Design and installation of a new alluvial water supply well for an HOA in Aspen, Colorado (Summer 2023).

HRS observed the well construction and coordinated with the project team to install a drop pipe inside the wells pitless casing that increased flow from the closely-spaced cluster of wells that operate as a siphon (with no required power or pump). The wells were located at a spring site, and were designed to capture additional spring flow via siphon wells while having a well design that prevents GWUDI designation. HRS also evaluated the possible effects of ditch leakage and irrigation return flows on spring (well) flow.

Project Example 2:

Design and installation observation of a well liner to eliminate sand production from an HOA alluvial well in Aspen, Colorado – Late 2021-Summer 2023.

HRS designed a well liner to eliminate the excessive production of sand from an existing HOA well. The liner well screen design was based on sieve analysis of sand collected from the sanding well. HRS retained a pump contractor and, in coordination with Merrick, oversaw the liner installation and testing. The liner successfully eliminated well sand production while maintaining the target well yield.

Project Example 3:

Evaluation of possible impacts of proposed nearby geothermal well installation on existing HOA alluvial production well – Spring 2023.

HRS evaluated the potential for negative impacts to the HOA's alluvial well in terms of quantity and quality due to the proposed installation of 30 closed loop geothermal wells.

[Tricia Williams – Water Resources Engineer](#)

South Adams County Water and Sanitation District

720-206-0578

twilliams@sacwsd.org

Project Example:

HRS designed and oversaw the construction and testing of Colorado's first Horizontal Collector Well (HCW). HRS modified its existing MODFLOW model to accurately model the yield to a horizontal well screen and the water rights depletion timing of the HCW, which was tested at a pumping rate of 12,000 gpm. For similar HCW feasibility and yield estimate studies, HRS has started using the Connected Linear Network process in MODFLOW to model complex flow in infiltration galleries.

Total Estimated Not-to-Exceed Cost

HRS proposes to complete Phase 1 for a not to exceed cost price of \$24,000. This includes data research, an in person kickoff meeting, preparation of preliminary groundwater models, and designing the draft Phase 2 field plan.

Before completing Phase 1, any “not to exceed” cost that HRS (or any consultant) could provide for Phase 2 or Phase 3 would be subject to a high degree of uncertainty and would jeopardize our ability to collect the data required to successfully model spring flow and water supply sustainability.

HRS recognizes that municipal budgets are limited, and we will make every effort to propose the most economical scope in Phases 2 and 3 that still is likely to meet the Town’s goals. We believe this ethic has led to HRS maintaining many long term clients that recognize our value. We will work with the Town and RESPEC to provide the best value based on a detailed understanding of the Town’s goals and the area hydrogeology as developed in Phase 1.

**The Town of Paoinia
PROPOSAL EVALUATION**

Project Name: Hydrogeological Study
Contractor: Intera

RFQ 2023-03 HYDROGEOLOGICAL STUDY

Evaluation Criteria	Score	Possible Points	Comments on Score
<u>Qualifications</u>	15	15	Project Management Team with a backup primary contact and Modeling Team member, highly qualified.
<u>Demonstrated ability working on water-related issues with similar governmental entities</u>	10	10	Scope of Work for similar municipalities within Colorado appears to have been completed without issue.
<u>Firm's workload and availability</u>	10	10	Firm has a good range of projects at or nearing completion, and has many to reference.
<u>Familiarity with water issues on the Western Slope</u>	19	25	Overall good understanding of Western Slope, but concerned about Assumption that Springs are already metered.
<u>Credentials of the firm's project team numbers</u>	10	10	Outstanding Credentials and references. Senior Hydrologist and field staff have advanced degrees.
<u>Detailed schedule for completing field work and developing the study</u>	10	10	Schedule is incredibly detailed and helps to plan each piece as needed.
<u>Cost</u>	3	5	Cost is higher than grant amounts but may be beneficial due to the amount of staff for the project.
<u>Thoroughness and Completedness of Proposal</u>	13	15	Proposal was very thorough and complete but operated on assumptions that may present difficulty to complete work.

TOTAL 90/100

Plenty of staff members and a good structure for reporting and ensuring continuity if primary is out of the office or unavailable.

Project Name: Hydrogeological Study
Contractor:**RFQ 2023-03 HYDROGEOLOGICAL STUDY**

Evaluation Criteria	Score	Possible Points	Comments on Score
<u>Qualifications</u>	15	15	Ton of experience on projects on all scales. They also have a 90% return on customers.
<u>Demonstrated ability working on water-related issues with similar governmental entities</u>	10	10	18 projects listed as similar projects
<u>Firm's workload and availability</u>	10	10	Offer of full time access to employees with 225 available to them
<u>Familiarity with water issues on the Western Slope</u>	20	25	They have a lot of resources and western slope knowledge.
<u>Credentials of the firm's project team numbers</u>	10	10	Over 200 qualified employees with some dedicated full time to this project
<u>Detailed schedule for completing field work and developing the study</u>	10	10	Very detailed field work plan with cost estimates
<u>Cost</u>	4	5	Complete price graph
<u>Thoroughness and Completedness of Proposal</u>	15	15	Detailed proposal that is well thought out and complete

TOTAL 94

INTERA seems like a very capable and proven option for the town.

**The Town of Paoinia
PROPOSAL EVALUATION**

Project Name: Hydrogeological Study
Contractor:

RFQ 2023-03 HYDROGEOLOGICAL STUDY

Evaluation Criteria	Score	Possible Points	Comments on Score
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TOTAL 94

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**The Town of Paoinia
PROPOSAL EVALUATION**

Project Name: Hydrogeological Study
Contractor:

RFQ 2023-03 HYDROGEOLOGICAL STUDY

Evaluation Criteria	Score	Possible Points	Comments on Score
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TOTAL 94

INTERA seems like a very capable and proven option for the town.

STATEMENT OF
QUALIFICATIONS

Hydrogeological Study

Prepared for:



Prepared by:



Title Page

Statement of Qualifications Hydrogeological Study for the Town of Paonia

INTERA Incorporated

Primary Project (Firm) Contact

Reid Polmanteer, PG
1434 Spruce Street
Boulder, CO 80302
Phone – 720.281.3714 (mobile)
Email – rpolmanteer@intera.com

December 7, 2023



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Attachment – Resumes (Abridged)

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Transmittal Letter

December 7, 2023

Stefen Wynn
Town Administrator
Town of Paonia
214 Grand Avenue
Paonia, CO 81428

RE: Statement of Qualifications in Response to Request for Qualifications (RFQ) - Hydrogeological Study

Dear Mr. Wynn and Members of the Selection Committee,

INTERA Incorporated (INTERA) is pleased to submit this proposal in response to the above-referenced RFQ to provide the Town of Paonia (also referred to as the “Town”) with a hydrogeological study to investigate the aquifer(s) that feed their spring complexes.

Introduction to INTERA

Established in 1974, INTERA is a geosciences and engineering consulting company focused on developing scientifically sound, practical, and reliable solutions to water resource and environmental challenges. We bring a successful track record of delivering outstanding service in Colorado to other municipal agencies responsible for supplying, managing, and protecting water resources. The expertise of our proposed key and support staff represents an excellent match for executing the Town’s requested tasks. Our Team of water resource specialists brings decades of proven experience in conducting hydrogeological investigations to find solutions to problems similar to the Town’s recent loss of water supplies, and the need for redevelopment of spring complexes. INTERA began using groundwater models nearly 50 years ago, and we are recognized for our expertise in this field. We have been successfully supporting clients, like the Town, with their water resources and environmental challenges for decades. Our work has spanned various river basins in Colorado including the Colorado and Gunnison River Basins, and our Team has in-depth knowledge of the hydrogeologic characteristics of the basins.

We have selected an outstanding Team of Colorado-based hydrogeologists and engineers with backgrounds in spring hydrogeology, groundwater modeling, drilling oversight and well design, isotope and tracer sampling and testing, and Western Slope water rights and geology (similar to the geology beneath the Town’s springs).

Reid will serve as INTERA’s Project Manager and Technical Lead for field and monitoring tasks and will be the primary point of contact for the Town throughout the project. Shaden Musleh, PE, our proposed Project Principal will serve as an alternate point of contact, should the Town need one, and he is an authorized signatory for this proposal, as presented in this cover letter and in **Section F**. Shaden and Reid will be supported by Ryan Harmon, an additional Technical Lead, who will lead the site background and modeling tasks and our Technical Resources presented herein. Our proposed core Team is based in INTERA’s Boulder office, and we share a strong working relationship, having collaborated on more than 75 projects over the last 20 years.

Summary of Qualifications

INTERA offers several key assets that we believe make us the best qualified firm to perform this work for the Town of Paonia. First and foremost, we understand the tasks required to develop a representative Hydrogeological Study of this area in Colorado. Our Team has the expertise needed to characterize the aquifers that feed the Town’s springs, identify solutions to enhance spring flows, and ultimately implement the solutions. More details regarding our understanding of the project and our commitment to successfully completing this study within the schedule specified are provided in **Section C**. Our additional assets that make us an ideal choice include:

- **Established and Committed Company.** INTERA is an employee-owned company with nearly 50 years of proven consulting performance. Our outstanding company culture, commitment to core values, and active participation in the communities where we live and work are just some of the reasons INTERA’s employee turnover rate is one the lowest in the industry (less than three percent each year). Furthermore, members of our proposed staff have been living and

working within the Colorado water resources community for more than 20 years and we are committed to establishing long-term relationships with local clients.

- **Excellent Match of Technical Expertise.** INTERA's proposed staff offer decades of experience in solving water resources problems and managing water resources in almost all of Colorado River Basins including the Gunnison and Colorado River Basins. We also bring a breadth of field hydrogeology expertise, including drilling oversight, geophysical analysis, water well and monitoring well design, isotope hydrogeology, and expertise in the fundamental understanding of the mechanisms controlling the interaction between surface water and groundwater, such as the Town's spring complexes. As you will see in the proposal, the proposed INTERA team has significant experience with characterizing the hydrogeology and spring flow systems in geologic settings similar to the Town's geology and in Colorado Western Slope locations. We further propose to include Collier Consulting (Collier) to perform geophysical surveys of the spring study area(s). Collier is a woman-owned and service-disabled veteran-owned firm which has been providing geophysical analysis for water resource issues for over twenty years including Western Slope Colorado and the Gunnison River Basin.
- **Focus on Building Relationships.** Strong professional relationships are built on good communication and consistent reliable service that the client can trust. INTERA brings a demonstrated track record of providing excellent quality work products to long-term and repeat clients within Colorado.
- **Experience in Colorado River Compact Compliance, Climate Change, and Demand and Supply Forecasting.** Our proposed Team has been involved in water planning and modeling associated with the Colorado River Compact as well as assessment of water supply and demand under climate change. This experience may prove useful in the Town's future water planning efforts.
- **Depth of Resources.** As a company of over 225 engineers and scientists, INTERA brings the depth of resources and expertise to handle any of the Town's existing or evolving needs. Many of our staff are leaders in the practices of water resources modeling, planning, and decision support services. If needed, we can readily access additional expertise to deliver unique ideas and innovative solutions that can be customized to meet any needs the Town may have. In addition, our local staff have extensive experience in grant-writing should the Town require additional funds to meet their future water supply needs.
- **Efficient, Reliable, Dependable Team with Strong Communication Skills.** INTERA staff bring the communication skills needed to keep projects on track and completed in accordance with budget and schedule requirements and expectations. We are flexible, easy to work with, and can readily adapt to changing project conditions.

Should you have any questions regarding our proposal, please do not hesitate to contact Reid at rpolmanteer@intera.com or 720.281.3714 (mobile) or Shaden at smusleh@intera.com or 720.318.4725. INTERA appreciates the opportunity to submit this proposal and we look forward to supporting the Town of Paonia with this important work.

Sincerely,
INTERA Incorporated



Reid Polmanteer, PG
Project Manager, Senior Hydrogeologist



Shaden Musleh, PE
Project Principal, CO WR&S Lead

SECTION A – Resumes

Resumes for INTERA’s Team members can be found in the **Attachment**. As their resumes detail, this proposed Team has proven experience studying spring hydrogeology in mountainous environments. Our proposed key staff have worked on or managed dozens of hydrogeologic projects of similar scope, with tasks including geophysical survey interpretation, drilling oversight, and isotope sampling of groundwater. Several of our Team members have significant knowledge of the Western slope including the Gunnison and Colorado River Basins. Our proposed Team also has expertise in grant writing, should additional funding be required for Phase 2, Phase 3, or other work not considered at this time.

Our lead staff for this project include our Project Principal, Mr. Shaden Musleh, PE, and our Project Manager and Technical Lead for Field and Monitoring Services, Mr. Reid Polmanteer, PG. Mr. Musleh and Mr. Polmanteer will be supported by a secondary Technical Lead, Ryan Harmon, and the Technical Resources identified in **Section B**, and whose resumes are shared in the **Attachment**.

SECTION B – Firm Qualifications and Experience

This section highlights INTERA’s core water resources services and describes the qualifications and experience that provide us with the expertise needed to complete this Hydrogeological Study for the Town. Additionally, this section discusses INTERA’s proven ability to meet project schedules and budgets, presents our organization chart and proposed Team, and describes our commitment to quality management.

INTERA’s Services and Resources

Founded in 1974, INTERA has earned a reputation for delivering practical and reliable solutions to water resources, environmental, and waste management challenges. For over 24 years, we have focused our quantitative skills on the development, management, sustainable use, and protection of water resources for numerous municipalities like the Town of Paonia. Our water resources expertise and capabilities include:

- **Water Rights and Litigation Support**
 - consumptive use analyses
 - objector and applicant water rights
 - substitute water supply plans
 - water availability and exchange analyses
 - water allocation and groundwater modeling
 - water rights accounting
 - expert disclosures, negotiations, and expert testimony
- **Planning and Policy**
 - demand/supply forecasting
 - decision support and reliability analysis
 - climate change impacts
 - environmental flows (minimum stream flows and levels)
 - integrated water supply planning and strategies
- **Water Supply**
 - groundwater, surface water, and integrated modeling
 - aquifer characterization and testing
 - availability, sustainability, and reliability analyses
 - well field siting, design, installation, rehabilitation, and optimization
 - impact assessments
- **Alternative Supply Strategies**
 - ASR and managed aquifer recharge (MAR)
 - evaluation of aquifer lithology and hydraulic properties
 - application of models to predict hydraulics, water quality, drift, and recovery efficiency
 - design and installation oversight of recovery wellfields and monitoring networks
 - brackish groundwater
 - identification of areas for brackish water development
 - assessment of aquifer hydraulic properties and salinity trends and distribution
 - evaluation of water chemistry
 - determination of potential impacts on land subsidence and existing water users
 - design and optimization of production wells
 - conjunctive use of groundwater and surface water



INTERA brings expertise and experience to all phases of groundwater recharge (e.g., ASR, MAR) projects, from conceptual analysis and feasibility studies to wellfield installation, pilot testing, and full-scale operation.

- **Regulatory Support and Permitting**
 - water rights and reliability
 - surface and groundwater permitting
 - management and rule development support
 - litigation support

Company-wide our services are provided by an outstanding staff of 230 water resource engineers, hydrogeologists, geologists, hydrologists, and environmental scientists and engineers from offices in Colorado, New Mexico, Texas, California, Washington, Indiana, Florida, and Hawaii.

INTERA staff have been supporting water resource challenges in Colorado for more than two decades and from our Boulder office since 2010. Our Boulder office consists of 16 highly qualified engineers and scientists, including our CEO Dr. Marsh Lavenue, Project Principal, Mr. Shaden Musleh, PE, and Technical Leads Mr. Reid Polmanteer, PG, and Ryan Harmon. Technical Leads will be supported by the following technical staff that are also located in our Boulder office (1434 Spruce Street) – Ms. Savannah Miller, PG, Dr. Elanor Heil, Mr. Travis Zielke, CGWP, and Ms. Courtney Black, PE. Collectively, these staff members have decades of water resource and supply experience in Colorado, including the western slope.

Their work has been performed primarily for municipalities and water providers ranging in size, including those similar to the size of the Town of Paonia. This local Team recognizes the importance of understanding the mechanisms of spring hydrogeology and successful completion of the associated technical tasks. Thorough knowledge of the characteristics of the spring system, which is the Town’s raw water supply, will help INTERA to determine the means and methods for ensuring an uninterrupted supply for the Town. Our local staff also include experts in the fields of numerical groundwater modeling, the development of decision support tools, water rights, and writing grant applications for additional funding opportunities. We have recently assisted local water providers with federal and state funding such as Town of Erie, Dominion Water and Sanitation District, East Cherry Creek Valley Water and Sanitation District, Town of Berthoud and South Metro Water Authority.

Current and Past Municipal and Utility Clients	Population/Users
Sterling Ranch, CO	1,200
Town of Frederick, CO	16,000
Town of Erie, CO	30,000
City of Boulder, CO	116,000
City of Aurora, CO	375,000
Suez Water, NY	500,000
California American Water, CA	630,000
Albuquerque Bernalillo County Water Utility Authority, NM	700,000
Citizens Energy, IN	800,000
Denver Water, CO	1.4 million
Tarrant Regional Water District, TX	2.0 million
City of San Diego Public Utilities, CA	2.2 million
Tampa Bay Water, FL	2.4 million
Water Replenishment District of Southern CA	4.0 million

The following assets and experience will enable INTERA to effectively support the Town’s spring hydrogeologic study:

- We have successfully supported municipalities in a range of sizes with their water resource challenges, including those agencies listed to the right, and others described in the project examples in this proposal.
- Our staff are technical experts in the field of water resources planning and management and they genuinely care about the future of water supplies in Colorado.
- Our client satisfaction is exemplified by our high-level of repeat customer business of over 90% and by the willingness of our clients to provide positive references for our past work.

Our Team

INTERA’s proposed Team for this project is presented in **Figure B-1**, below. Our Team consists of eight INTERA staff members, all of which are local to the Denver metro area, except for Dr. Bryn Kimball, our geochemistry expert who is located in Albuquerque, New Mexico. All of the work for this project will be managed and performed from our Boulder, Colorado office except for geochemical analyses oversight.

We have chosen to propose a small and efficient Team for this project to convey to the Town that we will provide cost-effective services and we are committed to being responsive and clear in communications. It is also important for the Town to understand that INTERA has dozens of similarly trained and educated scientists and engineers who stand ready to support this project, should additional staff be required. To highlight our Teams' skills and qualifications to perform this project, abridged resumes for the proposed staff members are provided in the **Attachment**.

Our estimated level of effort to complete the project tasks, including the number of anticipated hours for each Team member, are presented in **Section E**. As shown in the estimate, we anticipate our Project Manager and Technical

Lead, Reid Polmanteer, will be fully available to the Town throughout the study, and he has committed to making this work for Paonia a top priority. Furthermore, Ryan Harmon will also be available at nearly a full-time level, and he is also committed to making this project a top priority. Our Team of staff are all full time INTERA employees who are committed to exceeding our clients' expectations, including the Towns', through our project work.

Depth of Staff

As our organization chart shows, we have identified Management and Technical Resource personnel who are readily available to support this contract. While we have identified a single Project Manager, we have identified two Technical Leads, and our project Team includes several other personnel that have the experience and qualifications to serve as additional Technical Leads, should the need arise to fully support the proposed tasks. In addition to the staff shown on our proposed project organization, INTERA's technical resources in Colorado, Arizona, New Mexico, Indiana, California, and Texas include nearly 200 additional personnel with the qualifications and experience necessary to address various portions of this scope of work. This resource base provides added assurance that we have the capability to rapidly assemble project teams to complete the proposed tasks, effectively.

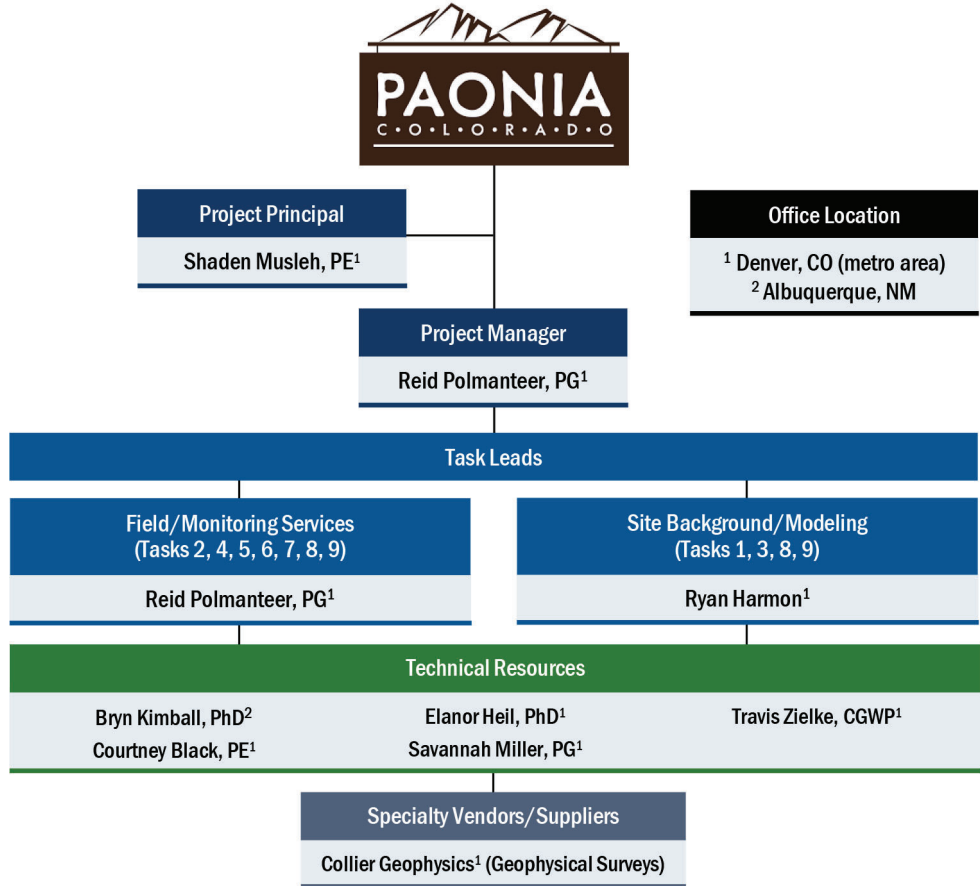


Figure B-1. Proposed Organization to Complete the Town of Paonia Hydrogeological Study



INTERA's Shaden Musleh has worked extensively in the South Platte River basin for the past 18 years now. He has completed work for Denver Water's Water Resource Strategy group as a consultant on South Platte River issues recently. His extensive knowledge of Colorado water resources and rights were a great asset to Denver Water for the projects he worked on. It should be noted that these projects were completed exhibiting excellence in communication, management and attention to detail..."

RUSSELL SLADE
Lead Planner



Specialty Vendor – Collier Geophysics

The geophysical surveys proposed as part of Task 2 (Geological Assessment and Delineation) will be performed by Collier Geophysics, and a brief bio of their company is provided below, and project descriptions of representative examples of their work are provided later in this section.

Collier Geophysics (CGp) is a Service-Disabled Veteran Owned Small Business (SDVOSB) with offices in Colorado, Texas, Massachusetts, Georgia, North Carolina, Tennessee, Michigan, and Wisconsin. CGp has approximately 35 employees, including 30 geophysicists. CGp is one of the largest near surface geophysical consulting firms in the US. Collier provides competent, efficient, and innovative geophysical services to the groundwater, engineering, energy, and mining markets. CGp works in all 50 states and on select international projects. Our roots are in groundwater, so we are well versed in hydrogeology and how geophysics can be efficiently applied to aid groundwater studies. We have a special focus on geophysical applications for engineering investigations, groundwater studies, and high resolution seismic for petroleum exploration.

Commitment to Quality Management

Providing our clients with the highest quality services and work products is of paramount importance to INTERA. To us, quality includes not only the ability to provide a technically accurate and superior work product, but also the ability to complete work safely, on schedule, and at the agreed-upon price. To ensure that our

work is of the highest quality, we maintain a corporate Quality Assurance Plan (QAP). Project activities that affect quality are conducted in accordance with documented procedures that specify the actions to be taken, organizational responsibilities for such actions, and established criteria for determining when the actions are satisfactorily completed.

Our major Quality Assurance (QA) objectives are to:

- Deliver products that meet INTERA’s and our clients’ expectations for technical excellence in clarity, content, style, and organization
- Execute a committed and comprehensive review plan designed to eliminate mistakes
- Actively observe and manage project costs to complete tasks on schedule and within budget
- Engage experienced experts while executing the project

Several concepts drive our QA program. These include having the appropriate leadership and organizational structures in place, performing detailed reviews of our own work, and establishing a quality control (QC) plan and data collection plan to guide our efforts under each project. In his role as Project Principal, Mr. Shaden Musleh, PE will ensure quality control of all reports and deliverables to the Town.

Relevant Experience

Project examples that highlight INTERA’s experience relevant to the Town’s Hydrogeological Study are presented below, along with a few project examples describing Collier Geophysics’ services. Project descriptions with reference information are provided again in **Section D**.

Groundwater Mitigation and Modeling, Town of Frederick, CO.

Technical Lead Staff: Shaden Musleh, Travis Zielke, Reid Polmanteer

Year Completed: 2022 to Present (Nearly Complete)

Project Value: \$382,000

Reference: Zackery Roberson, Civil Engineer, Zroberson@FrederickCO.gov, 720.382.5608

INTERA is on a two-firm team that is tasked with investigating the causes to the high-water table conditions under the Town. The work includes installation of monitoring wells, conducting a water level monitoring program and development of a groundwater model to investigate the reasons for rising groundwater and propose mitigation strategies. INTERA’s work includes data collection, identification of monitoring well locations, overseeing a six-month water level monitoring program, identification of potential causes of groundwater rise, development of a 3D geologic model, development and calibration of



The whole process ran so smooth...thanks for your professionalism! We love working with you and appreciate the top-quality product that you delivered!"

KELLY ROMERO-HEANEY
Water Resources Manager



a GFLOW screening level model, identification of groundwater level lowering strategies that comply with Colorado water law and help the town with designing an augmentation plan if needed.

Groundwater & Spring Hydrogeology Investigation, Colorado Parks & Wildlife Fish Hatchery, Salida, CO.

Technical Lead Staff: Reid Polmanteer

Year Completed: 2022

Project Value: \$120,000

Reference: Mike Waresak, Prime Consultant and Senior Project Manager at Forsgren & Associates, waresak@forsgren.com, 720.214.5884

Technical lead staff worked as a subconsultant to Forsgren & Associates. CPW required additional water source(s) free of the possibility of whorling disease for the fish hatchery. The best source for whorling-disease-free water supply is groundwater. The majority of raw water supply for the hatchery was groundwater derived from their spring collection system. The study included a review of the area hydrogeology, well construction logs, hatchery spring collection system, aquifer testing and analysis of irrigation well, and analysis of area ditches and their control of spring hydrography.

Ruataniwha Basin Modelling Assessment, Hawkes Bay Regional Council, New Zealand.

Technical Lead Staff: Ryan Harmon

Year Completed: 2022 to Present (Nearly Complete)

Project Value: \$270,000

Reference: Simon Harper (simonh@hbrc.govt.nz), Ahmed Elwan (ahmed.elwan@hbrc.govt.nz) +64 6 835 9200

INTERA is assisting in the design and implementation of an integrated surface water, groundwater, and containment flow model in the Ruataniwha Basin, which is located on the North island of New Zealand. The basin features a vast flat plain encircled by mountains, sharing striking geographical and geological similarities with the region around Paonia. The primary objective of INTERA's model is to accurately forecast the impacts of water allocation, climate change, and land management practices on both the quantity and quality of surface and groundwater resources in the Ruataniwha Basin.

Hydrogeological Analysis and Groundwater Modeling, City of Boulder, CO.

Technical Lead Staff: Shaden Musleh, Travis Zielke, Courtney Black

Year Completed: 2020

Project Value: \$2M

Reference: Joe Taddeucci, Director of Public Works for Utilities, taddeuccij@bouldercolorado.gov, 303.441.3205

As part of water rights engineering support, INTERA staff conducted numerous hydrogeologic studies in the South Platte River Basin. These studies entailed development of groundwater models using analytical and numerical models and mass balance budgets to investigate surface water-groundwater interaction, subsurface return flows, groundwater availability, well depletions, seepage to groundwater, groundwater yield and recharge accretions. This work also included collection and analysis of geological data, impact of climate change on water supply, pumping and slug tests and evapotranspiration and evaporation losses, as well as field investigation of ditch loss and river leakage, data collection and research, hydrological modeling and development of surface water and groundwater monitoring programs.



Shaden Musleh has worked as a senior consultant to the City of Boulder for many years on water rights and water resources matters. Water issues in Colorado are complex and involve diverse and often competing interests, and I am confident that Shaden has the right mix of experience, skills and character to make positive and constructive contributions to the roundtable's discussions. I have always appreciated Shaden's depth of knowledge on water related issues, and his calm and thoughtful demeanor."

JOE TADDEUCCI, PE
Director of Public Works for Utilities



Groundwater Model of Aquifer Storage and Recovery (ASR), East Cherry Creek Water and Sanitation District, CO.

Technical Lead Staff: Shaden Musleh, Travis Zielke, Courtney Black

Year Completed: 2023

Project Value: \$150,000

Reference: Michelle Probasco, PE, Project Manager, mprobasco@eccv.org, 303.901.2547

INTERA developed a MODFLOW groundwater model of the confined aquifers under ECCV service area. The calibrated model is used to simulate impacts from future injection and extraction and optimize operations. INTERA's efforts includes data collection, developing a conceptual model to serve as the basis for the numerical model, refining a portion of the USGS Denver Basin Simulation Model to produce a local model capable of simulating the existing wellfields and potential ASR

wells in the service area, calibrating the local-scale numerical model, and applying the model to make predictions of aquifer behavior and mound migration and optimize operations.

Exploring connections between groundwater and forests in mountain watersheds, Colorado School of Mines Hydrogeological Sciences and Engineering Department, Golden, CO.

Technical Lead Staff: Ryan Harmon

Year Completed: Nearly Complete

Project Value: \$209,000

Reference: Kamini Singha, ksingha@mines.edu, 303.273.3822

Ryan Harmon's PhD research centers on employing integrated geophysical techniques, hydrologic measurements, statistical analyses, and modeling simulations to explore the interactions between trees, groundwater, and streams in mountain watersheds. His study primarily examined forests located in the Rocky Mountains and the Oregon Cascade Range. Throughout his research, Harmon and his team authored two scientific papers and submitted a third which is currently under review. These publications contribute to a deeper understanding of groundwater and evapotranspiration dynamics within mountain hillslopes. His findings offer significant insights for evaluating mountain watershed water budgets and assessing fire susceptibility of mountain forests.

Harmon, Ryan, Holly R. Barnard, and Kamini Singha. "Water table depth and bedrock permeability control magnitude and timing of transpiration-induced diel fluctuations in groundwater." *Water Resources Research* 56.5 (2020): e2019WR025967.

Harmon, Ryan E., et al. "Exploring environmental factors that drive diel variations in tree water storage using wavelet analysis." *Frontiers in Water* 3 (2021): 682285.

Spring Hydrogeology Investigation, Mount Vernon Canyon Club, CO

Technical Lead Staff: Reid Polmanteer

Year Completed: 2016

Project Value: \$30,000

Reference: R. Thomas Weimer, Board Member, rthomasweimer@aol.com, 303.526.0616

Technical lead staff completed an evaluation of springs and groundwater availability for additional raw water supply. Lead staff reviewed and analyzed previous documentation of springflow and precipitation records kept by residents, reviewed and analyzed geologic maps and well construction reports, estimated spring flow rates where encountered. Provided a cost analysis to design and install a spring collection system and compared to a cost analysis for drilling and constructing shallow alluvial wells in the montane valley. In addition to the feasibility study, provided monthly accounting to the State to satisfy water rights and associated augmentation plan requirements.

Regional Groundwater Model of ASR (Phase I), South Metro Water Supply Authority, CO.

Technical Lead Staff: Shaden Musleh, Travis Zielke, Reid Polmanteer, Courtney Black

Year Completed: Nearly Complete

Project Value: \$185,000

Reference: Erik Jorgensen, PE, Environmental Engineer & Water Program Specialist, erikjorgensen@southmetrowater.org, 720.934.7391

INTERA is currently working on Phase I of a regional groundwater numerical model of three ASR Hubs: Centennial Water & San District, Castle Rock and East Cherry Creek Valley Water & San District. Phase I of the study includes data collection and analysis and development of a large scale hydrogeological conceptual model of the various aquifers under the three Hubs. This includes extensive data collection and analysis of various data including geology, water levels, pumping, pumping and slug tests, geophysical and water quality data. The model will be developed in MODFLOW 6 and will be used to simulate the aquifers under each of the Hubs and ultimately will be used to optimize ASR operations. A technical committee is overseeing this work that includes representatives from Denver Water, Aurora Water, CWCB, State Engineer, South Metro members, EPA and CDPHE.

Edwards Aquifer Authority Habit Conservation Plan. 2022 - 2023, San Antonio, Texas.

Technical Lead Staff: Ryan Harmon

Year Completed: Nearly Complete

Project Value: \$200,000

Reference: Chad Furl, cfurl@edwardsaquifer.org, 210.222.2204

INTERA focused on developing an integrated surface and groundwater flow models aimed at predicting future groundwater recharge and resulting spring flows, with a particular focus on the habitats of protected species under the dual uncertainties of future climate change and water usage. The forward-looking approach is essential for providing reliable

estimates of municipal water availability for the greater San Antonio area and environmental conditions key habitats across the Edwards Aquifer. The insights gained from these analyses play a crucial role in the renewal process of the Habitat Conservation Plan (HCP). This work will ensure that the HCP remains effective and responsive to both the needs of the species it protects and the evolving environmental conditions due to climate change and growth of the greater San Antonio area.

Updates to Water Supply Master Plan and Water Conservation Plan, Steamboat Springs, CO

Technical Lead Staff: Courtney Black

Year Completed: 2019

Project Value: \$175,000

Reference: Kelly Romero-Heaney, Assistant Director for Water, Colorado DNR, Kelly.romero-heaney@state.co.us, 303.866.3311 ext-8671

INTERA staff, served on a three-firm consulting team for the update of the City of Steamboat and Mount Werner Water District 2019 Water Supply Master Plan. A user-friendly raw water collection and delivery system model, which included system stressors for population growth, water conservation savings, interruption due to fire in the watershed, a Colorado River Compact call and climate change was developed. The model was developed for City and District staff to use for future planning efforts and to inform the Water Supply Master Plan update. INTERA led the evaluation of historical water demand trends to identify how historical demands have been influenced by population growth, climate factors, drought restrictions, water rates, advances in new water saving technologies, and water conservation activities. Work also included evaluating the City and District's performance of meeting established 2011 water conservation targets and updating their Water Conservation Plan.

Groundwater Investigation, Denver Water, CO

Technical Lead Staff: Shaden Musleh

Year Completed: 2019

Project Value: \$50,000

Reference: Russell Slade, Lead Planner, russ.slade@denverwater.org, 303.628.6560

INTERA completed an evaluation of groundwater availability for 23 irrigated parcels that receive surface water from the High Line Canal. We reviewed and analyzed previous documentation including geologic, hydrogeologic, water quality, surface water, and demand data and reports, as well as existing models. We identified and described the aquifers underlying each parcel, estimated yield and water quality, and developed conceptual designs and cost estimates for the construction of wells and associated pipelines for a combined supply of 1,084 acre feet over a 60 day period.

Groundwater Engineer, Indian Hills Water & Sanitation District, Indian Hills, CO

Technical Lead Staff: Reid Polmanteer

Year Completed: 2022

Project Value: \$100,000

Reference: Chris Vargo, General Manager, cvargo@indianhills.com, 303.697.8810

Technical lead staff completed various tasks for the District located in montane valleys of Front Range. These included fault-trace analysis, permitting, drilling oversight, lithologic logging and well design, aquifer testing, water quality sampling, Colorado Department of Public Health and Environment Basis of Design Report for a new granite bedrock well. In addition, lead staff managed a system inventory analysis of District wells including working with pump contractor to provide video surveys, reports on condition of well casing and pumping equipment, and well testing and analysis to determine capabilities of individual wells.

Hydrogeologic investigation, THF Prairie Center Groundwater, Brighton, CO.

Technical Lead Staff: Travis Zielke

Year Completed: 2017

Project Value: \$300,000

Reference: Mike Tamblyn, The Kroenke Group - mtamblyn@thekroenkegroup.com, 303.378.4166

Project involved the installation of approximately 50 groundwater monitoring wells, installation of pressure transducers for long-term data collection, and on-site slug testing to determine subsurface conditions. Collected data was used to build a large-scale groundwater model of the underdrain system for a proposed development and analyze its impacts on a ditch crossing the development site. Results were used to quantify the ditch loss imposed by the underdrain system under different lining conditions, and to inform the design of the storm system to accommodate the subsurface water. This work was conducted by Travis Zielke of Intera while at previous employer.

Development of the Yampa / White / Green Basin Implementation Plan, CWCB and YWG Basin Roundtable

Technical Lead Staff: Shaden Musleh, Courtney Black

Year Completed: 2015

Project Value: \$400,000

Reference: Jay Galleger, CWCB Board Member, Member of Yampa/White BRT and GM of Mount Werner Water & Sanitation District (retired), 970.846.6126, jaygalla@comcast.net

The Yampa-White-Green (YWG) Basin is relatively undeveloped and uses a smaller portion of its native flow compared to the more developed basins in the state. The average historical demand in the YWG Basin for consumptive use is approximately 282,000 AFY. The objective of the plan was to investigate and analyze the basin's water supply and demand through the year 2050, identify amount and location of water supply shortage, and show how future municipal, industrial, agricultural, recreational, and environmental needs can be met by both existing and proposed water projects. INTERA's Shaden Musleh (prior to joining INTERA), led the technical team that developed the YWG Basin Implementation Plan (BIP). This project involved numerous parties such as local and state government agencies, water management districts, local agencies, non-profit organizations, environmentalist and concerned citizens. Mr. Musleh managed to a successful completion, a pressing and dynamic work schedule, task orders, and demanding stakeholders and client meetings. The work encompassed a detailed research of related previous studies, survey, education and outreach efforts, workshops, data collection, analysis of water supply and demand, modeling of water supply and demand under various hydrologic conditions and projected growth and operational scenarios using the StateMod model, mapping and graphics production, and production of the final report.

Water Bank Feasibility Study, Phase 2b, Colorado River Basin, Water Bank Work Group

Technical Lead Staff: Shaden Musleh

Year Completed: 2015

Project Value: \$300,000

Reference: Dan Burch, former Deputy General Manager at Colorado River Conservation District, Currently Sr. Consultant at CBI, 970.846.4128, dbirch@cbi.org

INTERA staff Shaden Musleh, as a project manager and modeling lead, led a study to evaluate water banking in the Colorado River Basin in preparation for water rights administration under a Colorado river compact. The study applied principles of water rights engineering to evaluate potential for reducing consumptive use and documented administrative issues related to reducing consumptive use for three large-scale federal irrigation systems and associated water right. The three irrigation systems were the Grand Valley Project, the Uncompahgre Project and Dr. Morrison Ditch. The project was sponsored by multiple government and local entities including the CO river district, TNC, Denver Water, South West Water district, Front Range Council and others. It included data collection and analysis, modeling, construction projects, mapping, field operation, evaluation of engineering practices and evaluation of consumptive use, storage and return flows.

Geophysical Survey, Crystal River Fish Hatchery – Carbondale, CO

Technical Lead Staff: Collier Geophysics

Year Completed: 2020

Project Value: \$28,000

Collier Geophysics, LLC (CGp) performed a geophysical survey to image geologic conditions conducive for a groundwater resource where Colorado Parks and Wildlife (CPW) may want to install groundwater extraction well(s). To achieve this objective, the investigation was conducted using two sub-parallel Electrical Resistivity Tomography (ERT) profile lines adjacent to the hatchery raceways.

CGp worked with CPW to determine drill target areas for potential water wells to sustain the water demands of the Crystal River Fish Hatchery. Electrical resistivity tomography cross sections were evaluated to determine the distribution and depth of both alluvial fill material and fracture zones located within indurated bedrock at depth. Two new well locations were recommended to CPW based on the results of the resistivity surveys.

Provo Water Project – Provo, UT

Technical Lead Staff: Collier Geophysics

Year Completed: 2019

Project Value: \$326,000

CGp assisted the client in an investigation of three canyons in the city of Provo, UT. The objective was to determine the stratigraphy of unconsolidated materials in and at the mouth of the canyons, the shape of the bedrock valleys within the

canyons, the location of major faults, and the connectivity of the permeable units above the bedrock to support a feasibility study of a proposed aquifer recharge project.

CGp worked with Barr Engineering, Inc. and the City of Provo, UT that included two project phases. Phase 1 was conducted before the snowmelt recharged the groundwater levels in the canyons and was completed using Seismic Refraction Tomography (SRT) and Electrical Resistivity Tomography (ERT) surveys. Phase 2 of the investigation was conducted near the end of the period of maximum groundwater recharge and involved repeating the ERT surveys. The difference between the results from the two phases helped the client to further characterize the changes in saturation and water table due to recharge. CGp identified locations at each canyon that were likely candidates for recharge basins. An example of a SRT and an ERT profile data from the project are shown below.

Lake Otonawanda Geophysical Study – Ridgway, CO

Technical Lead Staff: Collier Geophysics

Year Completed: 2019

Project Value: \$28,000

Collier Geophysics, LLC (CGp) conducted a geophysical investigation on behalf of the Town of Ridgway (Ridgway) at Lake Otonawanda near Ridgway, CO. The site is a water reservoir for

the Town of Ridgway. The objectives of the investigation were to characterize the base of the lake-bed, as well as the soils and foundation bedrock surrounding the embankment, for identification of possible seepage paths. Two geophysical methods were employed to achieve these objectives, frequency domain electromagnetic (FDEM) ground conductivity mapping, and electrical resistivity tomography

(ERT) which was performed both on land and on the water.

FDEM and ERT results were evaluated for anomalous hydraulic conductivity anomalies such as fracture zones in the volcanic bedrock and saturation anomalies from potential seepage pathways which were preventing the reservoir from maintaining maximum pool height. An example of the FDEM and ERT results is below.

SECTION C – Detailed Understanding, Scope of Work, and Schedule

Understanding of Required Work

INTERA understands the Town has 31 springs from which it draws its raw water supply. The town's goal is to ensure the long-term viability of these springs. To do so, the town is requesting a hydrogeological study to better understand the characteristics of the aquifers that feed the spring systems. The Town has proposed 9 tasks under Phase 1 to complete the hydrogeological study. Those tasks are outlined in this section.

Background Geology

Springs are defined by where groundwater intersects the ground surface and flows. There are typically four factors which cause the formation of a spring: groundwater volume in unconsolidated sediments becomes greater than the available pore space in the sediments causing groundwater to rise to the surface and flow; a confining layer within unconsolidated sediments disappears, allowing groundwater to flow upward and intersect the surface; a fracture in consolidated bedrock allows deeper groundwater to flow upward and intersect the surface; or a mixture of these mechanisms.

The Town's spring complex is located northwest and downgradient from Mount Lamborn. The geology of this area is complex. Mount Lamborn is a relict, intrusive, igneous rock chamber with a series of dikes and sills protruding from it. Intrusion of this igneous rock caused faulting (mapped) and fracturing of the parent bedrock (Mancos shale). At the foot of Mount Lamborn lies a series of discontinuous, unconsolidated sediments including alluvium, landslide deposits, and colluvium. These geologic units primarily consist of cobbles, gravels, and sands with minor amounts of silts and clays. These unit types allow for significantly high transmission of groundwater. These unconsolidated sediments primarily overlie the Mancos formation. The Mancos formation is predominantly a consolidated shale with minor sandstone lenses. The flow of groundwater in the Mancos shale is severely limited, except where sandstone lenses exist, or it has been faulted or fractured (as may have been caused during the intrusion of the igneous rock of Mount Lamborn). Additionally, a series of rock glaciers have been mapped in the area. Rock glaciers are relict glacial deposits consisting of ice and unconsolidated sediment (rock). They can hold a large volume of ice and seasonally can have a large impact on groundwater availability and associated spring flow.

Scope of Work

Details regarding INTERA's approach to each project task are provided below.

Task 1 – Literature and Data Review

INTERA proposes a literature review comprising of hydrogeological studies of the area, geological mapping of the area, a review of area well construction logs, and a review of data provided by the Town and/or their Water Engineer. This includes any and all historical spring flow data, water level data, water quality data, or any other data the Town has obtained that would be of interest to this study. INTERA is of the understanding that the Town Water Engineer has already or will oversee installation of monitoring equipment in certain springs in the area of study. INTERA assumes data derived from the project will be available for analysis during this period of study.

INTERA believes Task 1 can be started shortly after approval of this scope of work and be completed by April 2024.

Task 2 – Geological Assessment and Delineation

INTERA believes the geological survey can be completed in three sub-tasks.

Task 2a – Site Visit

INTERA suggests a site visit with the Town and INTERA senior hydrogeologist. The purpose of the site visit is to obtain a hands-on interpretation of the area's geology. Additionally, the site visit will allow for reconnaissance and photographs of the area to determine the accessibility for geophysical survey and drilling equipment. INTERA understands, based on the proposed dates in the RFQ, that accessibility of the study area may not be until April 1st and so suggests a site visit to occur on or of the week of this date.

Task 2b – Geophysical Survey

Considering the complex geology of the study area, INTERA believes the use of geophysics is warranted. Drilling alone in such an area of complex geology may miss pertinent information to understanding the mechanisms of spring hydrogeology. INTERA proposes to use a subconsultant, Collier Geophysics, to perform up to 3 geophysical surveys in the study area between April 8 and 12, 2024. The geophysical method currently recommended is Electrical Resistivity Tomography (ERT), however INTERA and Collier reserve the right to change methodology based on findings from Task 1 and 2.a. The ERT method has been used by Collier in similar study areas, with similar available funding, to determine groundwater flow paths. The survey will be set-up to allow for imaging of at least 100 feet in depth and be done in parallel to allow for 3-D imaging analysis. A minimum of three survey lines will be planned at those spring areas which a) are of the highest importance to the Town (either via yield or water quality) and b) are of the least studied/understood.

Task 2c – Drilling & Monitoring Well Construction

INTERA proposes hiring a drilling subcontractor to drill up to three test holes in the vicinity of specific springs, locations to be determined from Task 1, 2.a, and 2.b. The test holes will be completed as monitoring wells. Drilling and monitoring well construction will provide additional geologic and hydrogeologic data for review. The data will also be used to identify anomalies discovered during the geophysical survey (ground-truth). INTERA expects the drilling to be completed two weeks after the geophysical survey, or the week of April 29th to May 3rd, 2024.

For this sub-task, INTERA recommends up to three borings within the geophysical survey areas. These borings will be drilled using ODEX drilling technology, which is required for the coarse, unconsolidated sediments likely to be encountered in the study area. For costing purposes, INTERA has assumed up to 80 feet of drilling is necessary for each boring, or a total of 240 feet of drilling and each boring will be completed as a monitor well.

Task 3 – Hydrological Modeling (Isotope Sampling & Analysis)

INTERA is a premier firm for modeling hydrogeologic systems in complex settings. For purposes of this proposal, considering the timeline of this study, the complex area geology, and unknown data availability, it is INTERA's professional opinion to forego modeling under Phase 1. However, INTERA will have ongoing discussions with the Town as data is collected during Tasks 1, 2a, 2b, and 2c to determine if a model will provide value to the study.

INTERA instead proposes to collect water quality samples from select springs and the monitor wells installed under Task 2.c. Water quality samples will be shipped to an appropriate laboratory for analysis of: stable isotopes, tritium, and radiocarbon. These analytes will be used to estimate the age of the groundwater feeding the springs. A young age will indicate groundwater is predominantly recharged through shallow aquifers by precipitation and snowmelt. An older age will indicate groundwater is predominantly recharged through deeper aquifers and over a longer period of time. The flow paths and mechanisms of recharge will have implications for the methods in which to rehabilitate springs. INTERA recommends sampling of up to seven (7) springs and the three (3) monitor wells. Timing of laboratory analysis is not guaranteed.

Task 4 – Develop Spring Monitoring Program

As previously mentioned, INTERA assumes the Town's Water Engineer is overseeing installation of monitoring equipment in the Spring study area. INTERA assumes data collected by these monitoring points as well as historical data will be provided. INTERA also assumes that the Town has meters on their individual spring collection systems and will record meter data on at least a daily basis during the Study and provide these data to INTERA. INTERA suggests installing three (3) In-Situ transducers with remote transmitting equipment for remote data transmission in the monitoring wells installed under Task 2.c. This data will record groundwater levels over time and help establish a relationship between groundwater levels and spring flows for those specific locations. INTERA will be able to install transducers and transmitting equipment the week of April 29th through May 3rd, concurrent with Task 2.c.

Task 5 – Process Spring Monitoring Data

INTERA will create hydrographs for specific monitoring wells with transducers installed. INTERA will collate spring meter data provided by the Town. INTERA will compare water levels to spring flow meter data over time to determine water level vs. flow-rate correlations for the Town. INTERA, in collaboration with the Town, will determine a minimum flow-rate necessary for viable supply and use the hydrographs to determine a minimum water level to obtain a viable supply of spring flow at each spring area.

Task 6 – Evaluate and Refine Task 2 Objectives

The task 2 objectives are assumed to be Phase 2 and as such are: “implementation of strategies to slow, spread, and sink water to support optimal diurnal flow demands and improve source water quality.” These are currently unknown and require Tasks 1-5 to provide direction. INTERA has assumed Task 6 will be an ongoing conversation between the Town, INTERA, and the Town’s Water Engineer based on interpretations of data collected through Tasks 1-5. INTERA assumes Task 6 will be (mostly) completed before the draft requirement, June 28, 2024.

Task 7 – Cooperative Meetings to Identify Spring Improvements

INTERA has assumed a total number of 16 hours for meetings with the Town, and/or the Town Water Engineer to discuss Spring Improvement options. INTERA assumes Task 7 meetings will be an ongoing occurrence from start to finish of the project.

Task 8 – Report, Conclusions, and Recommendations

INTERA will prepare a preliminary report of findings from Tasks 1-7 to be completed by June 28, 2024. INTERA assumes 8 hours of meeting to review the draft report with the Town between July 1 and August 30, 2024, before finalizing in September 2024.

Task 9 – Project Management

INTERA has included costs for internal meetings and external meetings with the Town and their Water Engineer throughout the length of the project, not already considered, under Task 9.

Schedule

INTERA’s anticipated schedule to complete the project tasks within the Town’s required timeframe is provided below in **Figure C-1**.

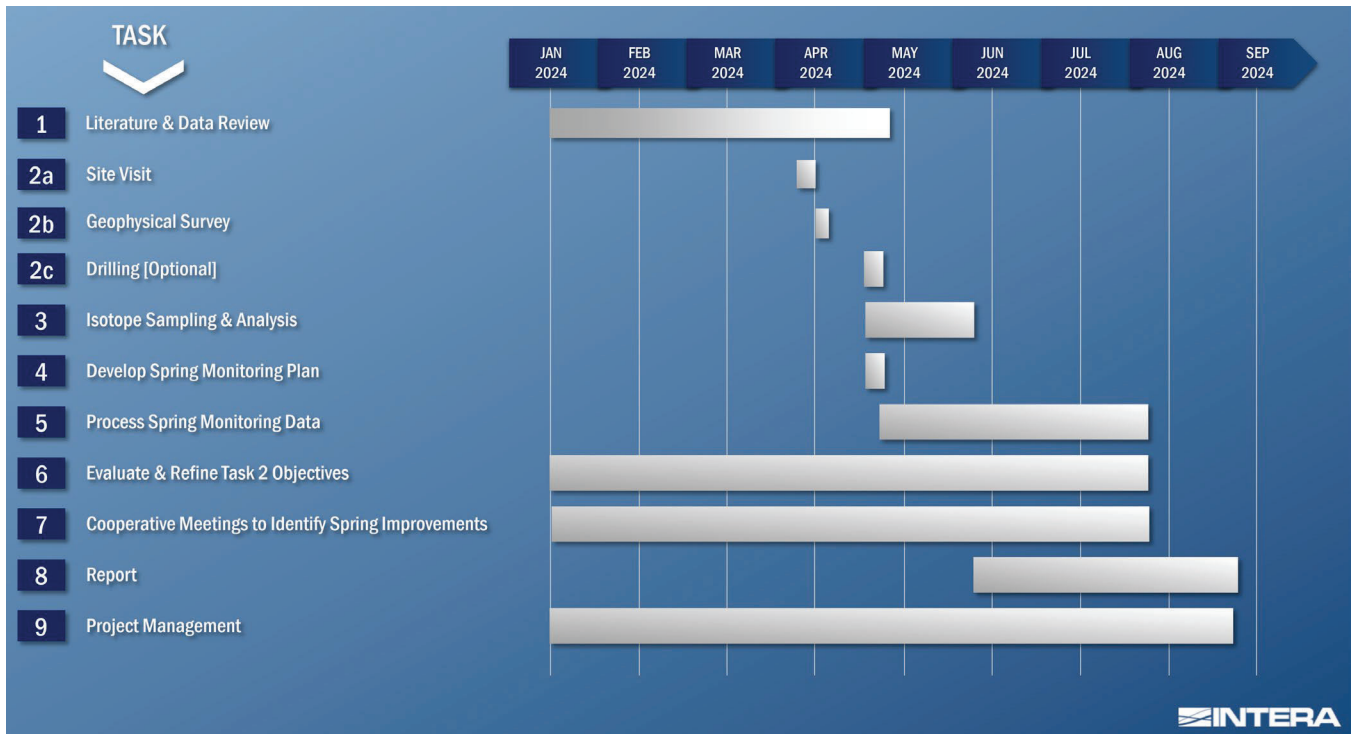


Figure C-1. Proposed Schedule to Complete the Hydrogeological Study

SECTION D – References

INTERA is proud of the work we do for our clients, and we welcome the Town to contact our references provided below to hear about the quality of our work and our ability to meet schedules and complete work within budget.

Groundwater Mitigation and Modeling, Town of Frederick, CO.

Technical Lead Staff: Shaden Musleh, Travis Zielke, Reid Polmanteer

Year Completed: 2022 to Present (Nearly Complete)

Project Value: \$382,000

Reference: Zackery Roberson, Civil Engineer, Zroberson@FrederickCO.gov, 720.382.5608

INTERA is on a two-firm team that is tasked with investigating the causes to the high-water table conditions under the Town. The work includes installation of monitoring wells, conducting a water level monitoring program and development of a groundwater model to investigate the reasons for rising groundwater and propose mitigation strategies. INTERA's work includes data collection, identification of monitoring well locations, overseeing a six-month water level monitoring program, identification of potential causes of groundwater rise, development of a 3D geologic model, development and calibration of a GFLOW screening level model, identification of groundwater level lowering strategies that comply with Colorado water law and help the town with designing an augmentation plan if needed.

Groundwater & Spring Hydrogeology Investigation, Colorado Parks & Wildlife Fish Hatchery, Salida, CO.

Technical Lead Staff: Reid Polmanteer

Year Completed: 2022

Project Value: \$120,000

Reference: Mike Waresak, Prime Consultant and Senior Project Manager at Forsgren & Associates, waresak@forsgren.com, 720.214.5884

Technical lead staff worked as a subconsultant to Forsgren & Associates. CPW required additional water source(s) free of the possibility of whorling disease for the fish hatchery. The best source for whorling-disease-free water supply is groundwater. The majority of raw water supply for the hatchery was groundwater derived from their spring collection system. The study included a review of the area hydrogeology, well construction logs, hatchery spring collection system, aquifer testing and analysis of irrigation well, and analysis of area ditches and their control of spring hydrography.

Ruataniwha Basin Modelling Assessment, Hawkes Bay Regional Council, New Zealand.

Technical Lead Staff: Ryan Harmon

Year Completed: 2022 to Present (Nearly Complete)

Project Value: \$270,000

Reference: Simon Harper (simonh@hbrc.govt.nz), Ahmed Elwan (ahmed.elwan@hbrc.govt.nz) +64 6 835 9200

INTERA is assisting in the design and implementation of an integrated surface water, groundwater, and containment flow model in the Ruataniwha Basin, which is located on the North island of New Zealand. The basin features a vast flat plain encircled by mountains, sharing striking geographical and geological similarities with the region around Paonia. The primary objective of INTERA's model is to accurately forecast the impacts of water allocation, climate change, and land management practices on both the quantity and quality of surface and groundwater resources in the Ruataniwha Basin.

Hydrogeological Analysis and Groundwater Modeling, City of Boulder, CO.

Technical Lead Staff: Shaden Musleh, Travis Zielke, Courtney Black

Year Completed: 2020

Project Value: \$2M

Reference: Joe Taddeucci, Director of Public Works for Utilities, taddeuccij@bouldercolorado.gov, 303.441.3205

As part of water rights engineering support, INTERA staff conducted numerous hydrogeologic studies in the South Platte River Basin. These studies entailed development of groundwater models using analytical and numerical models and mass balance budgets to investigate surface water-groundwater interaction, subsurface return flows, groundwater availability, well depletions, seepage to groundwater, groundwater yield and recharge accretions. This work also included collection and analysis of geological data, impact of climate change on water supply, pumping and slug tests and evapotranspiration and evaporation losses, as well as field investigation of ditch loss and river leakage, data collection and research, hydrological modeling and development of surface water and groundwater monitoring programs.

Groundwater Model of Aquifer Storage and Recovery (ASR), East Cherry Creek Water and Sanitation District, CO.

Technical Lead Staff: Shaden Musleh, Travis Zielke, Courtney Black

Year Completed: 2023

Project Value: \$150,000

Reference: Michelle Probasco, PE, Project Manager, mprobasco@eccv.org, 303.901.2547

INTERA developed a MODFLOW groundwater model of the confined aquifers under ECCV service area. The calibrated model is used to simulate impacts from future injection and extraction and optimize operations. INTERA's efforts includes data collection, developing a conceptual model to serve as the basis for the numerical model, refining a portion of the USGS Denver Basin Simulation Model to produce a local model capable of simulating the existing wellfields and potential ASR wells in the service area, calibrating the local-scale numerical model, and applying the model to make predictions of aquifer behavior and mound migration and optimize operations.

Exploring connections between groundwater and forests in mountain watersheds, Colorado School of Mines Hydrogeological Sciences and Engineering Department, Golden, CO.

Technical Lead Staff: Ryan Harmon

Year Completed: Nearly Complete

Project Value: \$209,000

Reference: Kamini Singha, ksingha@mines.edu, 303.273.3822

Ryan Harmon's PhD research centers on employing integrated geophysical techniques, hydrologic measurements, statistical analyses, and modeling simulations to explore the interactions between trees, groundwater, and streams in mountain watersheds. His study primarily examined forests located in the Rocky Mountains and the Oregon Cascade Range. Throughout his research, Harmon and his team authored two scientific papers and submitted a third which is currently under review. These publications contribute to a deeper understanding of groundwater and evapotranspiration dynamics within mountain hillslopes. His findings offer significant insights for evaluating mountain watershed water budgets and assessing fire susceptibility of mountain forests.

Harmon, Ryan, Holly R. Barnard, and Kamini Singha. "Water table depth and bedrock permeability control magnitude and timing of transpiration-induced diel fluctuations in groundwater." *Water Resources Research* 56.5 (2020): e2019WR025967.

Harmon, Ryan E., et al. "Exploring environmental factors that drive diel variations in tree water storage using wavelet analysis." *Frontiers in Water* 3 (2021): 682285.

Spring Hydrogeology Investigation, Mount Vernon Canyon Club, CO

Technical Lead Staff: Reid Polmanteer

Year Completed: 2016

Project Value: \$30,000

Reference: R. Thomas Weimer, Board Member, rthomasweimer@aol.com, 303.526.0616

Technical lead staff completed an evaluation of springs and groundwater availability for additional raw water supply. Lead staff reviewed and analyzed previous documentation of springflow and precipitation records kept by residents, reviewed and analyzed geologic maps and well construction reports, estimated spring flow rates where encountered. Provided a cost analysis to design and install a spring collection system and compared to a cost analysis for drilling and constructing shallow alluvial wells in the montane valley. In addition to the feasibility study, provided monthly accounting to the State to satisfy water rights and associated augmentation plan requirements.

Regional Groundwater Model of ASR (Phase I), South Metro Water Supply Authority, CO.

Technical Lead Staff: Shaden Musleh, Travis Zielke, Reid Polmanteer, Courtney Black

Year Completed: (Nearly Complete)

Project Value: \$185,000

Reference: Erik Jorgensen, PE, Environmental Engineer & Water Program Specialist, erikjorgensen@southmetrowater.org, 720.934.7391

INTERA is currently working on Phase I of a regional groundwater numerical model of three ASR Hubs: Centennial Water & San District, Castle Rock and East Cherry Creek Valley Water & San District. Phase I of the study includes data collection and analysis and development of a large scale hydrogeological conceptual model of the various aquifers under the three Hubs. This includes extensive data collection and analysis of various data including geology, water levels, pumping, pumping and slug tests, geophysical and water quality data. The model will be developed in MODFLOW 6 and will be used to simulate the aquifers under each of the Hubs and ultimately will be used to optimize ASR operations. A technical committee is

overseeing this work that includes representatives from Denver Water, Aurora Water, CWCB, State Engineer, South Metro members, EPA and CDPHE.

Edwards Aquifer Authority Habit Conservation Plan. 2022 – 2023, San Antonio, Texas.

Technical Lead Staff: Ryan Harmon

Year Completed: Nearly Complete

Project Value: \$200,000

Reference: Chad Furl, cfurl@edwardsaquifer.org, 210.222.2204

INTERA focused on developing an integrated surface and groundwater flow models aimed at predicting future groundwater recharge and resulting spring flows, with a particular focus on the habitats of protected species under the dual uncertainties of future climate change and water usage. The forward-looking approach is essential for providing reliable estimates of municipal water availability for the greater San Antonio area and environmental conditions key habitats across the Edwards Aquifer. The insights gained from these analyses play a crucial role in the renewal process of the Habitat Conservation Plan (HCP). This work will ensure that the HCP remains effective and responsive to both the needs of the species it protects and the evolving environmental conditions due to climate change and growth of the greater San Antonio area.

Updates to Water Supply Master Plan and Water Conservation Plan, Steamboat Springs, CO

Technical Lead Staff: Courtney Black

Year Completed: 2019

Project Value: \$175,000

Reference: Kelly Romero-Heaney, Assistant Director for Water, Colorado DNR, Kelly.romero-heaney@state.co.us, 303.866.3311 ext-8671

INTERA staff, served on a three-firm consulting team for the update of the City of Steamboat and Mount Werner Water District 2019 Water Supply Master Plan. A user-friendly raw water collection and delivery system model, which included system stressors for population growth, water conservation savings, interruption due to fire in the watershed, a Colorado River Compact call and climate change was developed. The model was developed for City and District staff to use for future planning efforts and to inform the Water Supply Master Plan update. INTERA led the evaluation of historical water demand trends to identify how historical demands have been influenced by population growth, climate factors, drought restrictions, water rates, advances in new water saving technologies, and water conservation activities. Work also included evaluating the City and District's performance of meeting established 2011 water conservation targets and updating their Water Conservation Plan.

Groundwater Investigation, Denver Water, CO

Technical Lead Staff: Shaden Musleh

Year Completed: 2019

Project Value: \$50,000

Reference: Russell Slade, Lead Planner, russ.slade@denverwater.org, 303.628.6560

INTERA completed an evaluation of groundwater availability for 23 irrigated parcels that receive surface water from the High Line Canal. We reviewed and analyzed previous documentation including geologic, hydrogeologic, water quality, surface water, and demand data and reports, as well as existing models. We identified and described the aquifers underlying each parcel, estimated yield and water quality, and developed conceptual designs and cost estimates for the construction of wells and associated pipelines for a combined supply of 1,084 acre feet over a 60 day period.

Groundwater Engineer, Indian Hills Water & Sanitation District, Indian Hills, CO

Technical Lead Staff: Reid Polmanteer

Year Completed: 2022

Project Value: \$100,000

Reference: Chris Vargo, General Manager, cvargo@indianhills.com, 303.697.8810

Technical lead staff completed various tasks for the District located in montane valleys of Front Range. These included fault-trace analysis, permitting, drilling oversight, lithologic logging and well design, aquifer testing, water quality sampling, Colorado Department of Public Health and Environment Basis of Design Report for a new granite bedrock well. In addition, lead staff managed a system inventory analysis of District wells including working with pump contractor to provide video surveys, reports on condition of well casing and pumping equipment, and well testing and analysis to determine capabilities of individual wells.

Hydrogeologic investigation, THF Prairie Center Groundwater, Brighton, CO.

Technical Lead Staff: Travis Zielke

Year Completed: 2017

Project Value: \$300,000

Reference: Mike Tamblyn, The Kroenke Group - mtamblyn@thekroenkegroup.com, 303.378.4166

Project involved the installation of approximately 50 groundwater monitoring wells, installation of pressure transducers for long-term data collection, and on-site slug testing to determine subsurface conditions. Collected data was used to build a large-scale groundwater model of the underdrain system for a proposed development and analyze its impacts on a ditch crossing the development site. Results were used to quantify the ditch loss imposed by the underdrain system under different lining conditions, and to inform the design of the storm system to accommodate the subsurface water. This work was conducted by Travis Zielke of Intera while at previous employer.

Development of the Yampa / White / Green Basin Implementation Plan, CWCB and YWG Basin Roundtable

Technical Lead Staff: Shaden Musleh, Courtney Black

Year Completed: 2015

Project Value: \$400,000

Reference: Jay Galleger, CWCB Board Member, Member of Yampa/White BRT and GM of Mount Werner Water & Sanitation District (retired), 970.846.6126, jaygalla@comcast.net

The Yampa-White-Green (YWG) Basin is relatively undeveloped and uses a smaller portion of its native flow compared to the more developed basins in the state. The average historical demand in the YWG Basin for consumptive use is approximately 282,000 AFY. The objective of the plan was to investigate and analyze the basin's water supply and demand through the year 2050, identify amount and location of water supply shortage, and show how future municipal, industrial, agricultural, recreational, and environmental needs can be met by both existing and proposed water projects. INTERA's Shaden Musleh (prior to joining INTERA), led the technical team that developed the YWG Basin Implementation Plan (BIP). This project involved numerous parties such as local and state government agencies, water management districts, local agencies, non-profit organizations, environmentalist and concerned citizens. Mr. Musleh managed to a successful completion, a pressing and dynamic work schedule, task orders, and demanding stakeholders and client meetings. The work encompassed a detailed research of related previous studies, survey, education and outreach efforts, workshops, data collection, analysis of water supply and demand, modeling of water supply and demand under various hydrologic conditions and projected growth and operational scenarios using the StateMod model, mapping and graphics production, and production of the final report.

Water Bank Feasibility Study, Phase 2b, Colorado River Basin, Water Bank Work Group

Technical Lead Staff: Shaden Musleh

Year Completed: 2015

Project Value: \$300,000

Reference: Dan Burch, former Deputy General Manager at Colorado River Conservation District, Currently Sr. Consultant at CBI, 970.846.4128, dbirch@cbi.org

INTERA staff Shaden Musleh, as a project manager and modeling lead, led a study to evaluate water banking in the Colorado River Basin in preparation for water rights administration under a Colorado river compact. The study applied principles of water rights engineering to evaluate potential for reducing consumptive use and documented administrative issues related to reducing consumptive use for three large-scale federal irrigation systems and associated water right. The three irrigation systems were the Grand Valley Project, the Uncompahgre Project and Dr. Morrison Ditch. The project was sponsored by multiple government and local entities including the CO river district, TNC, Denver Water, South West Water district, Front Range Council and others. It included data collection and analysis, modeling, construction projects, mapping, field operation, evaluation of engineering practices and evaluation of consumptive use, storage and return flows.

SECTION E – Total Estimated Not-to-Exceed Cost

INTERA’s estimated costs to complete the Hydrogeological Study for the Town are provided below in **Table E-1**. The table includes labor and direct costs associated with each specific task and all of INTERA’s anticipated pricing related to performing the Hydrogeological Study has been included. The total pricing for the project is \$217,758. Please note we are using a reduced rate for field work associated with Task 2c and Task 3.

	Shaden	Travis	Savannah	Reid	Ryan	Elanor	Bryn	ODCs (\$)	Totals (\$)
Standard Hourly Rates	\$263	\$194	\$173	\$194	\$184	\$163	\$194		
Reduced Hourly Rates				\$150		\$140			
Task 1 - Literature and Data Review	2	4	4	24	24	4	0	0	\$11,718
Task 2a - Site Visit	2	0	0	16	2	0	0	0	\$3,998
Task 2b - Geophysical Survey	2	0	2	8	4	4	0	50,000	\$53,812
Task 2c - Drilling & Monitoring Well Construction	2	2	2	64	4	0	0	54,225	\$65,822
Task 3 - Hydrological Modeling (Isotope Sampling & Analysis)	4	2	4	8	8	16	10	11,725	\$21,062
Task 4 - Develop Spring Monitoring Program	2	0	0	12	2	0	0	13,725	\$16,947
Task 5 - Process Spring Monitoring Data	2	0	12	8	8	0	0	0	\$5,629
Task 6 - Refine Task 2 Objectives	4	0	4	8	8	0	0	0	\$4,769
Task 7 - Spring Improvement Meetings	2	0	0	16	4	0	0	0	\$4,366
Task 8 - Report	4	4	4	60	40	4	0	0	\$22,172
Task 9 - Project Management	4	2	2	20	8	2	0	0	\$7,464
Total Hours	30	14	34	244	112	30	10	0	
Total \$	\$7,890	\$2,716	\$5,891	\$44,520	\$20,608	\$4,519	\$1,940	\$129,675	\$217,758

Figure E-1. Estimated Costs to Complete the Hydrogeological Study

SECTION F – Digital or Manual Signature

The signature of our Project Manager and Primary Project Contact, Reid Polmanteer, PG, is provided below and included in the Transmittal Letter.



Reid Polmanteer, PG
Project Manager, Senior Hydrogeologist

The signature of our Project Principal and authorized individual for INTERA, Shaden Musleh, is below and included in the Transmittal Letter.



Shaden Musleh, PE
Project Principal, CO WR&S Lead

Reid and Shaden attest to the information contained in this Statement of Qualifications, and we stand ready to support the Town with this important project.

ATTACHMENT
Resumes (Abridged)
(in order of the organization chart)

Shaden Musleh, PE

Principal Water Resources Engineer /
Colorado Water Resources & Supply Line of Business Lead

Years of Experience: 26

Education:

- MS, 2001, Water Resources/Irrigation Engineering (Emphasis on effect of grid size and digital simulation of groundwater flow), Utah State University
- BS, 1994, Agricultural Engineering, Soil and Irrigation, University of Jordan

Professional Registrations/Affiliations:

- Metro Basin Roundtable, At-Large Member
- Certified Project Manager, 2008
- Professional Engineer, CO, 2008 (#42368), NM, 2007 (#18110)
- Member, Colorado River Water Users Association
- Member, Colorado Water Congress
- Member, Colorado Groundwater Association
- Member, American Water Resources Association, CO Section
- Member, International Association of Hydrological Sciences

Professional History:

2018 – Present	Principal Water Resources Engineer – INTERA Incorporated, Boulder, CO
2016 – 2018	Principal Water Resources Engineer – Summit Water Consulting, Broomfield, CO
2015 – 2016	Senior Project Manager – Hydros Consulting, Boulder, CO
2004 – 2015	Group Manager & Senior Project Manager – Hydrosphere Resource Consultants, acquired by AMEC Foster Wheeler (now WSP USA), Boulder, CO
2002 – 2004	Geohydrologist – URS Corporation (now AECOM), Denver, CO
2001 – 2002	Project Engineer – Waterstone Environmental Hydrology and Engineering, Boulder, CO
1996 – 2001	Graduate Assistant, Systems Simulation/Optimization Lab – Irrigation Engineering Department, Utah State University, Logan, UT

Specialized Training & Software:

- Western Water Rights and Water Engineering, University of Colorado at Denver, 2005
- MODFLOW (multiple versions), IDSCU, IDS-AWAS, StateMod model (South Platte, Colorado, White, Yampa), ArcGIS, MS-Office, RiverWare, MT3D, MODPATH, GWVistas, GMS, Visual MODFLOW, PMWIN, FORTRAN, Visual Basic, CRAM, StateCU, StateDMI, StateView, TSTool, CDSS



Shaden Musleh is a licensed professional engineer, a project manager and a leader with extensive and broad professional experience in water resources engineering, planning, and management. He has developed cooperative solutions to water resources problems in multi-party settings and has led and managed numerous large-scale projects that involved providing

management solutions to complex water resources problems. He served as a principal expert on numerous Colorado water right court cases in eastern and western slope basins. Shaden's background includes numerous hydrogeological modeling and investigations in addition to other projects that include water allocation, water supply and demand, water conservation, groundwater availability, hydraulic and hydrologic modeling, conjunctive management of surface water and groundwater, field operations and agriculture and irrigation engineering.

Select Project Experience

Groundwater Impact and Mitigation, Town of Frederick, CO.

2021 – Present. Project Manager. Leads an investigation of high water table conditions under the town. The work includes installation of monitoring wells and development of groundwater model to investigate the reasons for rising groundwater and propose mitigation of such conditions.

Tabernash Development Water Rights, Tebernash, CO.

2021 – Present. Project Manager and Technical Lead. Provides engineering, modeling and litigation support for securing water supply for the development. Works includes analysis of water demand and supply, research available water supplies and engineering support for water rights litigation.

Aquifer Storage & Recovery Model, South Metro Water Supply Authority, CO. 2023 – Present. Project Principal.

Leading the project that includes development of a conceptual and numerical regional groundwater model for Castle Rock, Centennial Water and Sanitation District and East Cherry Creek Water and San District.

Water Rights and Hydrogeology Investigations, City of Boulder, CO. 2004 – 2020. Project Manager/Expert.

Represented the City of Boulder since 2004 in water resources and water rights cases. Work included numerous

hydrogeologic investigations: development of groundwater models using analytical and numerical models and mass balance budgets to investigate surface water-groundwater interaction, subsurface return flows, groundwater availability, well depletions, seepage to groundwater, groundwater yield and recharge accretions. This work also included collection and analysis of geological data, impact of climate change on water supply, pumping and slug tests and evapotranspiration and evaporation losses, as well as field investigation of ditch loss and river leakage, data collection and research, hydrological modeling and development of surface water and groundwater monitoring programs.

Yampa/White/Green Basin Implementation Plan, Colorado State Water Plan, Yampa/White Basin Roundtable, CO. 2015 – 2016. Project Manager. Led the entire technical team (including subcontractors) that developed the implementation plan for the Yampa, White and Green River Basins. Managed stakeholders and facilitated stakeholder meetings throughout the project term. The objective of the plan was to investigate and analyze the state's water supply and demand through the year 2050 and show how the future municipal, industrial, agricultural, recreational, and environmental needs can be met by both existing and proposed water projects (new construction, enhancement of existing structures, conservation, etc.) under various operational scenarios. This project involved numerous parties with different backgrounds and agenda such as sponsored government agencies, water districts, local agencies, non-profit organizations, subcontractors and concerned citizens. Managed to a successful completion a pressing and dynamic work schedule, task orders and demanding stakeholders and client meetings. The work also includes a final report, outreach, modeling, data collection and engineering analysis.

Water Bank Feasibility Study, Phase 2b, Water Bank Work Group, CO. 2015 – 2016. Project Manager/Modeling Lead. Evaluated potential for reducing consumptive use for three federal government owned or managed large-scale irrigation systems on the west slope of Colorado. Investigated the potential for water banking related and prepared a memorandum documenting the findings of the qualitative assessment. The project was sponsored by multiple government and local entities with different background and agenda. It included data collection and analysis, modeling, construction projects, mapping, field operation, evaluation of engineering practices, numerous meetings, presentations and memoranda preparation and management of staff and subcontractors.

Energy Water Needs in Northwestern Colorado, Colorado and White Basin Roundtables, Colorado Water Conservation Board, CO. 2010 – 2011. Project Manager/Modeling Lead. Managed work and staff including subcontractors. Responsible for development of complex water demand projections for anticipated large-scale energy development projects in Northwest Colorado and assessment of the impact of these demands on water supply and water rights. The work included collection and analysis of data from involved oil and gas companies, conducting stakeholder meetings, modeling and engineering analysis and a final project report. Availability of groundwater and surface water supplies for oil shale development was analyzed. StateMod water allocation models were developed for the Colorado and White River basins. These models were used to estimate available water supply for future oil shale industry under different operational and management scenarios.

Master Plan for the Upper Yampa River Basin, Upper Yampa Water Conservancy District, CO. 2012 – 2014. Project Manager/Modeling Lead. Responsible for overall project and subcontractors. The project included development of a water allocation model to simulate several potential new storage projects, environmental mitigation projects, and water transfers.

Groundwater Model of ASR System, East Cherry Creek Water and Sanitation District, CO. 2021 – Present. Project Manager. Leading the technical team for development of a regional MODFLOW model of the confined aquifers under ECCV service area. The calibrated model will be used to simulate impacts from future injection and extraction and optimize operations.

Investigation of a Water Supply System, Denver Water, 2019 – 2020. Project Manager. Participated in investigating an impact of road expansion on an existing water supply system in Boulder County. Researched water rights and property rights and provided engineering opinions and recommendations in a technical memorandum to mitigate impact of road expansion on the water supply system.

Augmentation Plan, Myriam Enterprises, Dillon, CO. 2007. Project Engineer. Evaluated an augmentation plan that involves well pumping to supply water for an office building in Water Division 5 in Colorado. Provided an analysis of stream depletions associated with current and future well pumping as well as current and future water demand associated with indoor water use and outdoor irrigation use. Evaluated available replacement supplies and the potential for the need of additional replacement supplies under various operational scenarios.

Best Management Practices, Gore Creek, Eagle River Water & Sanitation District, CO, 2005. Project Engineer. Participated in developing best management practices to mitigate sediment loading in Gore Creek from I-70 in Colorado. Work involved assessment of Colorado Department of Transportation sand application practices and proposing management practices to mitigate sediment loading in Gore Creek.

Groundwater Investigation, Denver Water, CO. 2018 – 2019. Project Manager. Led the technical team that investigated availability of groundwater sources at various locations in the Denver Metro Area. The task included data collection, analysis and providing cost estimates for well drilling and construction.

Adjudication of Water Rights and Water Allocation Modeling, Yellow Jacket Water District, White and Yampa River Basins, CO. 2010. Modeling Lead. Provided engineering analysis and opinions regarding adjudicating of Storage and Direct Flow rights. Conducted water allocation modeling using the StateMod model to investigate available water supply in the White River and Yampa River Basins.

Groundwater Availability, Confidential Client, CO. 2018 – 2019. Technical Lead. Participated in investigating groundwater availability and reliability for a future development. This task included looking into tributary and non-tributary sources.

Water Rights Modeling, Denver Water, CO. 2020 – Present. Water Rights Expert. Performs modeling work for water rights cases involving Denver Water as an applicant.

Water Rights Engineering and Litigation, City of Thornton, CO. 2021 – Present. Project Manager and Water Rights Expert. Provides Water Rights Engineering and modeling support for Thornton's applications in water right cases as well Thornton's role as an objector in others' water right cases in the South Platte River Basin.

Substitute Water Supply Plans, City of Boulder, CO. 2004 – 2017. Principal Expert Representing City of Boulder. Reviewed and analyzed applications for substitute water supply plans submitted to the Colorado Division of Water Resources by municipalities, water districts, farmers, commercial and industrial entities, and water users, and provided written responses to the Colorado Division of Water Resources regarding these applications. Work includes analysis of groundwater aquifers, streams, reservoirs, and injection and pumping wells. It also includes analysis of short term and long-term demands.

South Platte Allocation Model, Colorado Decision Support System, Colorado Water Conservation Board, CO. 2015 – 2016. Project Manager/Modeling Lead. Managed technical work, staff, task orders, and budget for the project that involved the development of historical water allocation model for the Boulder Creek Basin. This model will be used as a planning tool to develop basin wide and statewide policies for the South Platte Basin.

Colorado State Water Plan, South Platte Basin Implementation Plan, CO. 2014 – 2015. Hydrologic Modeling and Agriculture Task Leader. Assisted in various tasks that included hydrologic modeling and analysis and agricultural analysis using geographic information systems (GIS) and other modeling tools

Numerical Groundwater Model, US Bureau of Reclamation, Yuma, AZ. 2014 – 2015. Modeling Lead. Directed the technical team to collect data, develop and calibrate a large-scale complex MODFLOW model. The model has been used to manage groundwater and surface water supply in the Yuma Valley.

Recharge and Groundwater Storage, East Cheery Creek District, United Water and Sanitation District, Farmers Reservoir and Irrigation Company, Sand Hills Metropolitan District, City of Boulder, CO. 2012 – 2013. Project Lead. Analyzed a MODFLOW groundwater model to evaluate recharge operations including aquifer storage capacity, rise in water table, and estimate accretions to the South Platte River from recharge operations in the South Platte River basin. Provided expert opinions regarding findings and potential injury to Boulder's water rights.

Estimation of Effective Streambed Conductance for Modeling Depletions in Alluvial Aquifer, City of Boulder, CO. 2011. Project Lead. Assisted in the development of a coupled stochastic/deterministic approach to estimate effective aquifer properties and lagged river depletions due to alluvial well pumping in the South Platte Basin.

Conjunctive Recharge Project, City of Boulder, CO. 2010 – 2011. Project Lead/Expert. Reviewed and analyzed a large-scale MODFLOW groundwater model to estimate aquifer storage capacity, rise in water table, loss of recharge accretions to evapotranspiration and magnitude and location of accretions to the South Platte River from recharge operations at numerous places. Analyzed the impact of existing and future gravel pits on the operation of this large-scale recharge project. As well as analyzed pumping tests to estimate extent and magnitude of hydraulic connectivity between wells and the South Platte River. Provided expert opinions regarding his findings and potential injury to Boulder's water rights.

Snake River Basin Water Supply Study, Idaho Groundwater appropriators, ID. 2005 – 2010. Lead Analyst. Reviewed water-use and groundwater models for the Snake River basin and evaluated various large-scale planning and management models

used for water allocation, assessment of surface water-groundwater interaction and consumptive use calculation. Reviewed and analyzed a basin-wide mass-balance model for the project.

Groundwater Modeling, South Platte River Basin, City of Boulder, CO. 2009. *Project Manager/Modeling Lead.* Developed several numerical models for different locations in the South Platte River Basin. These models use the U.S. Geological Survey's MODFLOW code to estimate the lagged depletive effect on rivers and stream from pumping of alluvial wells.

Tamarack Recharge Project, City of Boulder, CO. 2008. *Project Lead.* Analyzed complex MODFLOW groundwater models used to estimate Unit Response Functions (URFs) for numerous wells and recharge ponds in Water District 64, Division 1 and loss of recharge accretions to evapotranspiration. Remodeled the impact of recharge operation at full project capacity and re-estimated URFs using a range of aquifer parameters and boundary conditions. Provided expert opinions regarding his findings and potential injury to Boulder's water rights.

Chino Mines Groundwater Model, Santa Rita, NM. 2003. *Project Engineer.* Evaluated groundwater model parameters and the hydrogeology. Analyzed and studied the relationship and the effect of aquifer material and topography on model hydrogeologic parameters. Evaluated the model calibrated hydraulic conductivity.

Saturated/Unsaturated Model, Pantasote, Point Pleasant, WV. 2003. *Project Engineer.* Developed a saturated/unsaturated model to establish cleanup levels in soil above water table that result in contaminant concentrations in groundwater to be below cleanup standards.

Long-Term Monitoring and Maintenance, Warren Air Force Base, US Air Force, Cheyenne, WY. 2003. *Project Staff.* Managed and monitored remediation systems. Participated in the groundwater and surface-water sampling from both monitoring wells and creeks located on base. Analyzed data to evaluate and optimize remedial systems installed on base.

Groundwater Model, Tierra Rejada Landfill, Ventura, CA. 2002 – 2003. *Project Engineer.* Developed a large scale three-dimensional (3D) flow and transport model to evaluate likely groundwater contaminant migration pathways and determine the optimal placement of groundwater monitor wells to effectively monitor Cis-1,2-DCE and vinyl chloride.

Groundwater Model, Ashland Chemical Company, Commerce, CA. 2002 – 2003. *Project Engineer.* Participated in the development of a 3D groundwater flow and transport model to evaluate whether the dissolved toluene, ethylbenzene, and total xylene in groundwater have the potential to migrate vertically and laterally toward a major water supply well.

Estimation of Groundwater Dewatering Rates for Oil Well Re-Abandonment, Long Beach, CA. 2002 – 2003. *Project Engineer.* Conducted a numerical modeling study to estimate optimal dewatering rates for oil well re-abandonment in order to drop water table below the well head elevation during construction. Modeling approach was applied for different scenarios and under different conditions. Participated in the project final report.

West Osborn Complex, Phoenix, AZ. 2001 – 2002. *Project Engineer/ Modeling Lead.* Assisted in the development of a groundwater flow and transport model in northeastern Arizona to simulate the historical migration of trichloroethylene - a groundwater contamination case.

Availability Model for the Gulf Coast Aquifer, Texas Water Development Board, TX. 2001 – 2002. *Project Engineer.* Assisted in development of the groundwater availability model for the Gulf Coast Aquifer in Texas. Built different MODFLOW packages that simulate both groundwater flow and stream-aquifer interaction for this model using PMWIN and PMPATH. Responsible for setting up the SWAT model to quantify groundwater recharge by simulating the surface water mass balance.

Saltwater Intrusion Model, Southwest Florida Water Management District, FL. 2001. *Project Engineer.* Prepared the transient input data for the SWIFT II model for Southwest Florida Water Management District.

Groundwater Model for the Mississippi Alluvial Aquifer, U.S. Geological Survey, AK. 1997 – 2000. *Modeling Lead/Researcher/Thesis Project.* Developed a large-scale groundwater simulation model for the Mississippi Alluvial Aquifer in Northeast Arkansas in cooperation with the U.S. Geological Survey. The groundwater model was developed to create influence coefficients for applying a response matrix Simulation/Optimization model to optimize pumping strategies for the project area.

Years of Experience: 13

Education:

- MS, 2013, Hydrogeology, University of Strathclyde
- Graduate Studies, 2006 – 2008, Hydrogeochemistry, University of New York at Buffalo
- BS, 2006, Geological Sciences, State University of New York at Genesco

Professional Certifications & Affiliations:

- Professional Geologist, WY, PG-4105
- Member, Rural Water Supply Network
- Member, Colorado Groundwater Association

Professional History:

2023 – Present	Senior Hydrogeologist – INTERA Boulder, CO
2014 – 2023	Hydrogeologist – HRS Water Consultants, Lakewood, CO
2012 – 2013	Hydrogeologist – University of Strathclyde/Water for People, Blantyre, Malawi
2010 – 2012	Mudlogging Geologist – TM Mcoy & Co, Wilson, WY
2009 – 2010	Environmental Geologist – GEI Consultants, Montclair, NJ



Mr. Polmanteer has 13 years of experience in hydrogeology, geology, and water resources. Mr. Polmanteer was the lead field hydrogeologist at HRS Water Consultants for nine years where he was involved in field program designs, lithologic analysis and logging, water and monitoring well design, aquifer test design and oversight and data analysis, water quality sampling and stream depletion analysis, and water rights representation including expert witness testimony and report writing. He has been the lead geologist for numerous Denver Basin Well projects. He has worked extensively throughout Colorado on a variety of hydrogeological studies including those with spring supplies and also in New York, New Jersey, Montana, New Mexico, Utah, and Malawi, Africa.

Select Project Experience

Hydrogeologist/Field Manager, Colorado Parks & Wildlife, Crystal River Hatchery, Carbondale, CO. 2023. He oversaw test hole drilling program at Hatchery in effort to site a new water well to replace yield-loss from shut-down of a branch of their spring collection system.

Hydrogeologist/Field Manager, Colorado Parks & Wildlife - Salida Fish Hatchery, Salida, CO. 2019 – 2022. In an effort to provide hatchery with a new water source free of whirling

disease, he provided a review of the area hydrogeology, well construction logs, the hatchery spring collection system, and tested the Eggleston water well and analyzed the pumping results. He assisted with writing additional scopes of work for additional well drilling, a geophysics survey for additional water supplies, and analysis of Harrington Ditch leakage rages and the impact to groundwater supply for area wells.

Hydrogeologist, Rio Grande Decision Support System (RGDSS), San Luis Valley, CO, 2015-2023. He provided hydrogeologic support for phased improvements to the Rio Grande Decision Support System (RGDSS) model including: cross-section construction near Alamosa and La Jara to identify faults; oversight and lithologic analysis of test hole drilling near historic Diamond Springs to determine original source of water to spring and possible explanations for loss of flow; cross-section and fault interpretation near McIntire and Manassa Fault systems; created geodatabase and cross-sections in Rockworks to help determine hydrogeologic reasons for problematic areas of model.

Hydrogeologist, City of Golden, CO. 2021. He provided a written report, Hydrogeologic Analysis of Feasibility of Bedrock Aquifer Water Wells for Future Water Supply for City of Golden. The report included an analysis of the underlying aquifers, review of well construction records, Denver Basin aquifer map review, creation and analysis of geologic cross-sections.

Groundwater Impact and Mitigation, Town of Frederick, CO. 2023 – Present. Project Lead. Involved in an investigation of high water table conditions under the town. The work includes installation of monitoring wells and development of groundwater model to investigate the reasons for rising groundwater and propose mitigation of such conditions.

Project Manager, Indian Hills Water District, CO. 2015 – 2023. He designed, obtained permits, oversaw drilling, construction and testing, and water quality sampling, and completion of CDPHE Basis of Design Report of Well 11-R granite bedrock well. He oversaw a well system inventory and review for new management and board. He designed a testing program for siting re-drill of Well 9.

Field Manager, City of Brighton, CO. 2015 – 2023. Hydrogeologist. Mr. Polmanteer worked with team to write Water Master Plans for the City. He oversaw drilling for high water table review and analysis in a subdivision of the City. He oversaw test

hole drilling and lithologic analysis to support conceptual modeling for additional water wells along the South Platte River. He oversaw test hole drilling and lithologic analysis to support sustainability modeling for additional water wells Beebe Draw. He also oversaw aquifer testing and water quality analysis for existing wells in the client system.

Aquifer Storage & Recovery Model, South Metro Water Supply Authority, CO. 2023 – Present. *Technical Lead.* Leading data review and conceptual model of Regional Hydrogeology of South Metro Area Denver Basin Aquifers.

Expert Witness, Garth & Gail Hystad, Colorado Springs, CO. 2015 – Present. *Project Manager.* Provided hydrogeologic analysis in support of applicant to Colorado Water Court Case 2016CW3013. Provided expert report writing, rebuttal writing, stream depletion analysis and augmentation plan, and expert witness testimony on behalf of client.

Project Manager, Cherry Creek Project Water Authority, Franktown, CO. 2021 – 2023. *Hydrogeologist.* Mr. Polmanteer performed Alluvium and Denver Basin Aquifer water well designs including test hole drilling, siting, permitting, and construction and testing oversight. He also provided a review of area Denver Aquifer well yields for future design; and provided a review of regional water rights.

Hydrogeologist, Basin Lands, LLC., CO. 2021 – 2023. Mr. Polmanteer performed desktop evaluation of Dakota Group Aquifer to determine likely tributary status of the aquifer at Johnston Ranch. This included regional aquifer analysis, regional well review, and stream depletion analysis. He also provided hydrogeologic conceptual modeling at HTW Ranch in support of a non-tributary determination of the Upper Laramie and Upper Pierre aquifers.

Hydrogeologist, Arkansas River Decision Support System, CO. 2017-2020. In support of developing the Arkansas River Decision Support System (ARKDSS) model, he created a borehole log database and provided geologic interpretation for layering in ROCKWORKS 3D software. He divided model by tributary reach to visualize hydrogeology. He compared STATSGO2 and SSURGO for appropriate soil analysis and provided representative aquifer parameters to calculate URFs for each tributary division.

Field Manager, Cherry Creek Hydrogeology Study, Cottonwood Water & Sanitation District, CO. 2016 – 2021. He evaluated the current monitoring well field and sited additional monitoring wells. He oversaw monitoring well design, drilling, and construction. He oversaw municipal well testing to determine wellfield impacts to Cherry Creek.

Project Manager, Cottonwood Water & Sanitation District, CO. 2015 – 2023. He created a model to determine well-to-well impact, sustainable yield of the aquifer, and to site additional water wells in Cherry Creek Alluvium. He oversaw design, permitting, bid process, drilling and construction, and testing of alluvial aquifer well DD3R. He oversaw design, permitting, bid process, drilling and construction, and testing of Denver Basin well D1RR. He oversaw aquifer testing and analysis of multiple municipal wells. He provided analysis of water quality sampling and testing in support of new wells for CDPHE permitting.

Project Manager, Town of Elizabeth, Elizabeth, CO. 2017 – 2023. He reviewed design plans provided by developers to determine the water adequacy of each project before annexation by the Town. He evaluated town water supply and timing needs for additional wells based on development plans. He oversaw the design, permitting, bid process, drilling, well construction, pump testing, and water quality sampling for multiple Denver Basin aquifer municipal wells. He assisted in writing the Water Master Plan for the Town.

Project Manager, Town of Empire, Empire, CO. 2021 – 2023. He assisted JVA with the Basis of Design Report and Project Needs Report to obtain grant funding for a new well and water treatment plan for the Town. He designed a new alluvial, groundwater well and oversaw drilling, construction, testing, and water quality sampling of the new well.

Years of Experience: 22

Education:

- MS, 2001, Environmental Engineering, University of Florida
- BS, 1999, Civil and Environmental Engineering, Lehigh University

Professional Registrations/Affiliations:

- Registered Professional Engineer, CA, 2004, No. 67976; CO, 2005, No. 40429
- Director-at-Large, Chair of Education Committee, 2010-2013, American Water Resources Association
- Board of Directors, 2019 – Present, Colorado WaterWise

Professional History:

2019 – Present	Senior Water Resources Engineer – INTERA Incorporated, Boulder, CO
2017 – 2019	Senior Water Resources Engineer – Headwaters Corporation, Lakewood, CO
2015 – 2016	Regional Drought Information Coordinator – National Integrated Drought Information System (NIDIS), NOAA, Boulder, CO
2008 – 2014	Senior Water Resources Engineer – AMEC Foster Wheeler
2005 – 2008	Water Resources Engineer and Planner – CDM Smith Consulting, Denver, CO
2003 – 2005	Project Engineer – Ducks Unlimited, Inc., Sacramento, CA
2001 – 2003	Water Resources Engineer in Training – CDM Smith Consulting, Sacramento, CA

Specialized Training:

- Water Leaders Course – Water Education Colorado, 2012
- 40-hr Conflict Resolution Course, 2016



Courtney Black has over two decades of experience in municipal and basin-wide water resources planning, hydrogeological studies, water rights engineering, stakeholder engagement and coordination, environmental impact study (EIS) planning documents and wetland design. She has extensive experience in focused in water demand analyses and forecasting, water conservation, drought management, water supply planning, Colorado water rights engineering support, demand and supply modeling, climate change analyses and stakeholder engagement and lately has been heavily involved in multiple hydrogeological investigations in Colorado. She has led water resources projects in Colorado and throughout the U.S. involving the complex economic, legal, social, and technical issues surrounding limited water supplies and increasing demands. Ms. Black has experience collaborating with federal, state and local agencies, academic institutions, municipalities, water rights lawyers, contractors and wildlife refuges. She has management experience with the entire civil engineering project life cycle including the initial survey, design, bidding, construction management and project closure.

Select Project Experience

Aquifer Storage & Recovery Model, South Metro Water Supply Authority, CO. 2023 – Present. *Project Manager.* Courtney is leading the project that entails development of a conceptual and numerical regional groundwater model for Castle Rock, Centennial Water and Sanitation District and East Cherry Creek Water and San District.

Water Supply Master Plan Update, City of Steamboat Springs/Mount Werner Water and Sanitation District, CO. 2018 – 2019. *Senior Engineer.* Worked with team of consultants on Master Plan update. Led the evaluation of historical water demand trends to identify how historical demands have been influenced by population growth, climate factors, drought

restrictions, water rates, advances in new water saving technologies and water conservation activities. Evaluated performance of meeting established water conservation targets.

Update to the City of Steamboat and Mount Werner Water Conservation Plan, Steamboat Springs, CO. 2019 – 2020. *Project Manager and Senior Engineer.* Updated Steamboat Springs' Water Conservation Plan according to CWCB water conservation guidelines. This includes the addendum to CWCB guidelines, which includes incorporating land use planning into water efficiency planning.

Yampa/White/Green and South Platte/Metro Basin Implementation Plans, Various Clients, CO. 2014 – 2015. *Senior Engineer.* Provided technical support and managed components of the Basin Implementation Plans (BIPs) for the Yampa/White/Green basins and non-consumptive portion of the South Platte/Metro basins. This included project scope development, coordination and facilitation of roundtable working meetings, technical support related to agricultural dry-up in the South Platte Basin, and writing portions of the BIPs and associated appendices.

Wetland Mitigation Projects, Eagle County, Eagle, CO. 2009. *Engineer.* Provided design, technical review, and construction oversight on the development of two wetland sites in Eagle County, mitigating impacts associated with reservoir enlargements.

Water Rights Engineering, Denver Water, CO. 2020 – Present. *Senior Engineer.* Performing confidential modeling work for water rights cases involving Denver Water as an applicant.

Groundwater Model of Aquifer Storage and Recovery System, East Cherry Creek Valley WSD, CO. 2021 – 2023. *Senior Engineer.* Supported the development of a regional MODFLOW model of the confined aquifers under ECCV service area. The calibrated model has been used to simulate impacts from future injection and extraction and optimize operations.

Update to the Colorado Guidebook of Best Practices for Municipal Water Conservation, Colorado WaterWise. 2022 – Present. *Senior Engineer.* Updating Colorado’s reference guide on the best practices for municipal water conservation in the State incorporating the latest information and stakeholder input on the latest techniques, trends, benefits, challenges, water savings estimates, case studies, other resources on the best practice, etc.

Drought Planning, Dominion Water and Sanitation District, CO. 2022 – Present. *Project Manager and Senior Engineer.* Developing Drought Management Plan and Rules and Promulgations for the management of drought and water shortages for a wholesale water provider. This planning effort sets the stage for a new water wholesale water provider defining its relationship with retail water providers along with addressing pivotal questions concerning drought response among a water efficient community where additional water savings in periods of drought is limited.

Drought Monitoring and Communication Plan, City of Aurora, CO. 2022 – 2023. *Project Manager.* Collaborated with Aurora Water’s Drought Action Team to develop a drought monitoring plan and internal communications plan for monitoring and informing the City staff of a drought declaration. This also included an investigation on Aurora’s drought triggers and index in forecasting drought.

Drought Monitoring Plan, Town of Erie, CO. 2022 – 2023. *Project Manager.* Developed Erie’s Drought Monitoring Plan which captures the Town’s monitoring protocol and roles and responsibilities of each staff member in the monitoring and initiation of the drought response process. A spreadsheet monitoring tool was also developed to calculate Erie’s drought index trigger based on forecasted demands and supplies.

Demand Database Review (HB 10-1051) and Strategies to Improve Water Conservation and Drought Planning, Colorado Water Conservation Board, CO. 2021. *Project Manager and Senior Engineer.* Identified strategies to reduce the level of effort necessary in filling out the HB 10-1051 Water Demand and Conservation Database and in developing water efficiency and drought plans.

Update to Town of Erie Water Efficiency Plan, Erie, CO. 2020 – 2021. *Project Manager and Senior Engineer.* Updated Erie’s Water Efficiency Plan according to Colorado Water Conservation Board (CWCB) water conservation guidelines. This includes an assessment of Erie’s historical water demands and water efficiency program, selection of new measures, facilitated workshops with Erie staff on integrating water and land use and public outreach.

Update to Town of Erie Drought and Water Supply Shortage Plan, Erie, CO. 2020 – 2021. *Project Manager and Senior Engineer.* Updating Erie’s Drought and Water Shortage Plan according to CWCB guidelines. This included the development of a water demand and supply model; a vulnerability assessment; identification of drought response strategies; drought stages, triggers, and response targets; and an implementation and enforcement plan.

Update to Municipal Drought Management Plan Guidance Document, Colorado Water Conservation Board, CO. 2019 – 2020. *Senior Engineer.* Updated Colorado’s Municipal Drought Management Plan Guidance Document. This document is available to municipalities as a reference tool for developing local drought management plans. This project entailed collecting stakeholder input on recommended updates, modifying the planning steps, adding more recent case studies, updating the template of a drought management plan, and improving available worksheets municipalities may use to compile and evaluate drought related data.

Update to Drought Management Plan, City of Thornton, Thornton, CO. 2018 – 2019. *Project Manager and Senior Engineer.* Developed an update to the City of Thornton’s 2002 drought management plan according to CWCB guidelines. This entailed drought scenario planning; a vulnerability assessment; identification of drought response strategies; drought stages,

triggers, and response targets; and an implementation and enforcement plan. The update also included the facilitation of stakeholder engagement among multiple city departments and within the community.

Platte River Recovery Implementation Program, Platte River, NE. 2017 – 2019. *Senior Engineer.* Served as climate change specialist for the Platte River Recovery Implementation Program (PRRIP) and provided planning and operational technical support for the PRRIP. Led the development of an approach and techniques for how climate variability and climate change science can be incorporated into decision making. This position also included providing input on hydrologic modeling, conducting a climate change vulnerability assessment, and providing input on the update to the PRRIP Adaptive Management Plan.

National Integrated Drought Information System Regional Drought Information Coordinator, U.S. 2015 – 2017. *Drought Coordinator.* Led the coordination of inter-agency efforts to establish and maintain Drought Early Warning Systems in the eastern and central portions of the U.S. This entailed working with federal, state, and local professional networks to advance the integration of climate science with diverse groups of stakeholders including managers and decision makers in climate, water resource and land management fields.

Drought Management Plan, Town of Erie, CO. 2015. *Project Manager and Senior Engineer.* Authored Town of Erie's 2010 drought management plan and in the process of updating their new plan. This entails the facilitation of meetings with Erie's staff to obtain input into the plan, analyzing water demands and projected supplies, developing drought mitigation and response activities, and working closely with the CWCB to ensure the plans met the CWCB's guidelines and grant requirements.

Water Rights Investigations and Analysis, City of Boulder, CO. 2009 – 2014. *Senior Engineer.* Conducted water rights investigations, analyses, and documentation in support of Boulder's status as applicant and objector in water rights applications and change proceedings. This entailed evaluations and supporting documentation of agricultural water demands and consumptive use, historical diversions, physical and legal availability of supplies, and analysis of groundwater pumping impacts on streams and rivers and the interaction between surface water and groundwater.

Update to Water Conservation Futures Study, City of Boulder, CO. 2013 – 2014. *Project Manager and Senior Engineer.* Provided the project administration services and technical analyses to assess Boulder's historical water conservation demands, projected demands and existing water conservation goals to determine whether it would be beneficial to update the city's existing water conservation goals. This study also included demand adjustments for water savings achieved from the natural replacement of fixtures and appliances and climate change.

Water Conservation Plans, Town of Erie/Castle Pines North Metropolitan District, Erie, CO. 2006 – 2014. *Senior Engineer.* Developed the first state approved Water Conservation Plan in accordance with CWCB water conservation guidelines for Castle Pines North Metropolitan District and authored the 2008 and 2014 conservation plans for the Town of Erie. The development of these plans involved the evaluation of existing and projected demands, existing and new conservation measures and programs, estimation of conservation water savings, development of an implementation plan, and coordination with the CWCB and the client in obtaining a CWCB conservation plan grant and fulfilling State conservation plan requirements.

Drought Tournament, Colorado Water Conservation Board, Denver, CO. 2012. *Senior Engineer.* Designed and assisted with the facilitation of an innovative gaming forum used to foster stakeholder collaboration in response to various drought scenarios in an engaging, competitive environment. This "tournament" was held the day before the CWCB's State Drought Conference in September of 2012. Approximately 30 stakeholders from various sectors and areas within Colorado participated.

Municipal Water Efficiency Plan Guidance Document, Colorado Water Conservation Board, Denver, CO. 2012. *Project Manager and Senior Engineer.* Developed the Municipal Water Efficiency Guidance Document for the CWCB. This document is a reference tool for the development of municipal water conservation plans, replacing CWCB's 2005 Water Conservation Planning Guidance Document. It provides an overview on the major steps to water conservation planning, a recommended plan template, and worksheets that municipalities may use when developing their plans.

Update to Water Supply and Demand Management Policy, City of Fort Collins, CO. 2012. *Project Manager and Senior Engineer.* Provided technical and stakeholder facilitation support for the update of Fort Collin's Water Supply and Demand

Management Policy. This includes a thorough review of the city's policy and conservation plan; development of a new per capita water demand for decision making and planning level purposes incorporating climate change; a survey of twelve Front Range providers' water demands and water supply planning approaches; and development of recommendations for the policy update. This project also included a stakeholder and public outreach effort to receive feedback on elements of the revised policy including topics on demand, water supply and drought management, needs for additional supplies and storage, and potential uses of water supplies when there is a surplus.

Sample Municipal Drought Management Plan, Colorado Water Conservation Board, Denver, CO. 2011. *Project Manager and Senior Engineer.* Developed and facilitated stakeholder engagement for a Sample Municipal Drought Management Plan for CWCB. This document is available to municipalities as a complementary reference tool to the Guidance Document for developing local municipal Drought Management Plans. The Sample Plan was developed for a fictitious medium sized municipality that is representative of a "typical" Colorado urban community.

Municipal Drought Management Plan Guidance Document, Colorado Water Conservation Board, Denver, CO. 2010. *Project Manager and Senior Engineer.* Developed and facilitated stakeholder input for a CWCB Municipal Drought Management Plan Guidance Document. This document is available to municipalities as a reference tool for developing local Drought Management Plans. This document provides a thorough overview of the steps needed to develop effective Drought Management Plans, a recommended Plan template, and worksheets municipalities may use to compile and evaluate drought related data.

Barker Meadow Reservoir Water Availability Study, City of Boulder, 2009 – 2010. *Senior Engineer.* Conducted water availability evaluation for the City of Boulder in support of a water rights storage application in Barker Meadow Reservoir. This involved the development of a point flow model to estimate the amount of water physically and legally available for storage in Barker Meadow Reservoir. The model estimated daily flows within Boulder Creek immediately downstream of diversion head gates and major points of gain in Boulder Creek using historic hydrology data, diversion data, and South Platte and District 6 call data.

Restoration of Instream Flows in South Boulder Creek, City of Boulder, CO. 2009 – 2010. *Senior Engineer.* Evaluated the instream flow benefits in South Boulder Creek assuming environmental storage is set aside for environmental flow purposes in an enlarged Gross Reservoir. Developed a mass balance model to simulate the operation of this "environmental pool" and to estimate the size of the pool needed to meet specified instream enhance targets on South Boulder Creek.

Water Demand Study, City of Colorado Springs/City of Aurora, CO. 2009. *Senior Engineer.* Provided engineering litigation support for the cities to make a non-speculative conditional appropriation of unappropriated water. This involved a thorough review of the cities' water demand projections to determine whether they had a need for additional water supplies in the future.

Integrated Water Resource Plans, Castle Pines North Metropolitan District/City of Northglenn, CO. 2006 – 2008. *Engineer.* Developed Integrated Water Resources Plans for Castle Pines North Metropolitan District and the City of Northglenn. Evaluated historical demands and conservation efforts, forecasted future demands, assisted in the development of future water supply alternatives, developed cost estimates, and evaluated these alternatives.

Halligan and Seaman Water Supply Plan Environmental Impact Study, Fort Collins, CO. 2006 – 2008. *Engineer.* Managed the development and evaluation of water supply and storage alternatives for the Halligan and Seaman Water Management Project EIS alternatives screening evaluation. Coordinated evaluation and documentation efforts with internal staff, outside consultants, the client, and other municipal and agricultural project participants.

Conduit No. 15 Pre-Treatment Feasibility Study, Denver Water, Denver, CO. 2007 – 2008. *Engineer.* Designed and evaluated a series of treatment wetland alternatives intended to pre-treat Denver Water's Conduit No. 15 water prior to storage in Marston Reservoir.

South Metro Regional Water Supply Plan, South Metro Water Supply Authority, Greenwood Village, CO. 2007. *Engineer.* Served as the primary project engineer for the development of the South Metro Water Supply Regional Water Master Plan addressing how the South Metro Regional Water Supply Plan providers could secure renewable water supplies. This involved the evaluation of water demands in the South Metro area and the development of delivery, treatment, and storage alternatives, cost estimates, and a phased implementation plan.

Years of Experience: 9

Education:

- PhD Candidate, 2023, Hydrogeology, Colorado School of Mines
- BS, 2014, Earth Science, University of California
- BA, 2014, Environmental Studies, University of California

Professional History:

- 2020 – Present Senior Hydrogeologist – INTERA Incorporated, Golden, CO
- 2014 – 2019 Teaching Assistant – Colorado School of Mines, UC Santa Cruz, and National Outdoor Leadership School, Lander, WY
- 2016 – Present PhD Candidate – Colorado School of Mines, Golden, CO
- 2014 – 2016 Staff Researcher – Hydrogeology Group, UC Santa Cruz, Santa Cruz, CA
- 2012 – 2014 Research Assistant, Hydrogeology and Biochemistry Groups, UC Santa Cruz, Monterey Bay, CA

Specialized Training:

- Python, MATLAB, R, LaTeX
- PEST++ and PyEMU, Training by Jeremy White, 2021
- MODFLOW, geophysical inversion, COMSOL MultiPhysics, ParFlow, HYDRUS, SWAT, GitHub ArcGIS/QGIS,



Ryan Harmon is a hydrogeologist with academic and research experience that has formed him into a creative thinker with a broad toolkit, allowing him to independently solve many complex problems in hydrogeology. His work experience in hydrology includes hydrogeophysics, Python, MODFLOW, and a surface water modeling software. Ryan has experience working with local agencies, municipalities, and citizen stakeholder groups. His work has contributed to the first net-metering groundwater recharge program in California and new technologies to promote denitrification in recharged groundwater. His PhD at Colorado School of Mines has been shared through many presentations given to diverse audiences in numerous different countries and through scientific publications in journals such as Water Resources Research. He is currently working on a number of different hydrogeological investigations and groundwater modeling projects but are focused on investigating interconnections between groundwater and surface water at numerous sites across the globe.

Select Project Experience

Exploring Connections Between Groundwater and Forests in Mountain Watersheds, Colorado School of Mines Hydrogeological Sciences and Engineering Department, Golden, CO. 2016 - Present. PhD Candidate. Integrated geophysical

techniques, hydrologic measurements, statistics, and model simulation to investigate tree-groundwater-stream connections in mountain watersheds.

Distributed stormwater collection coupled with managed aquifer recharge, Rolling Plains Groundwater Conservation District, Monday, TX. 2022 – 2023. Project Lead. Identified potential locations for managed aquifer recharge (MAR) using stormwater runoff capture and conducted an analysis to estimate recharge amounts during a typical, normal, wet, and dry year. Created a detailed design plan for a collection basin near the Seymour groundwater pump station. The design specifics and pinpointed sites are the foundational steps toward the District's recharge goals. With proper design, even a select few MAR sites can significantly improve groundwater volume and quality.

Development of the Cross Timbers Groundwater Availability Model, Texas Water Development Board, TX. 2022-Present. Modeling lead and Hydrogeologist. As part of TWDB's GAM Program, led INTERA's support for developing the numerical model for the GAM of the Cross Timbers Aquifer. Efforts included compiling and analyzing data on water levels, hydraulic properties, and pumping data from state/federal databases and previous literature, writing the final report chapters, presenting results to stakeholders, and coordinating with the prime contractor and TWDB to revise and submit the final report. The numerical modeling workflow adopts an approach that emphasizes automated and reproducible methods within a framework of uncertainty analysis. By prioritizing uncertainty, it enables stakeholders to strategize for the future, factoring in both the unpredictability stemming from natural phenomena and the inherent uncertainties within the modeling tools.

Ruataniwha Basin Modeling Assessment, Hawkes Bay Regional Council, New Zealand. 2022 – Present. Hydrogeologist. Assisting in the design and implementation of the uncertainty analysis and data assimilation process in the Ruataniwha integrated surface-water/groundwater flow model. The uncertainty analysis includes history matching to observations of both groundwater level and streamflow. Results will be used to guide regulation focused on minimizing harm to aquatic systems during periods of drought.

Technical Assistance and Groundwater Modeling Support Audit of Regulatory Plane Review, Harris-Galveston and Fort Bend Subsidence Districts, Houston, TX. 2020 – Present. *Hydrogeologist.* Reviewed the district’s regulatory plan to stop land surface subsidence caused by groundwater extraction while ensuring adequate water is available for the over 5 million residents in the districts. Tasks include evaluating the viability of brackish groundwater development as alternative water supply strategies, reviewing the updated groundwater availability model being developed by the USGS and modeling any proposed changes to the regulatory plan.

Development of Historical Pumping Estimates for the Northern Gulf Coast Region to be used in the GULF Groundwater Flow and Subsidence Assessment, Harris-Galveston Subsidence District, TX. 2021. *Hydrogeologist.* Developed estimates of historical pumping from the northern part of the Gulf Coast aquifer for the period between 1900 and 2018 to be used in the next-generation Houston-area groundwater flow and land subsidence model using MODFLOW-6 and the CSUB process. The model will be used to guide future regulatory actions related to subsidence and groundwater use.

Development of Monitoring Well Network and Program, Prairielands Groundwater Conservation District, Cleburne, TX. 2021 – 2022. *Hydrogeologist.* Developed a monitoring program for Prairielands GCD that includes potential well locations, recommended sampling protocols, and a strategic plan that details how the monitoring program will be moving forward. This project includes assembling groundwater water well data and hydrogeological data from state agencies and consulting reports and identifying preferred monitoring locations to demonstrate compliance to drawdown limits associated with DFCs adopted by Groundwater Management Area 8. The suitability of individual wells is evaluated with respect to multiple criteria including historical measurements, data gaps, accessibility. Personal responsibilities include compiling and analyzing water levels, water quality data and regional groundwater model results, creating GIS datasets and maps, writing the final document, and presenting to and coordinating with the district to insure all the District’s needs are met.

Regional Aquifer Storage and Recovery and Aquifer Recharge Study Prairielands Groundwater Conservation District, Cleburne, TX. 2021. *Project Manager.* Prairielands GCD contracted a regional assessment of the suitability of each of the aquifer units within the District for ASR and Aquifer Recharge. The study evaluated the hydrogeology of each of the aquifer unit and used a ranking matrix strategy for assessing how parameters such as depth, hydraulic conductivity, storativity, porosity, and other factors could affect hydrogeologic suitability. A dozen or more parameters were categorized as primarily influencing recharge, storability, or recoverability. The raw hydrogeologic parameters were extracted from the Northern Trinity GAM. Code was written perform this extraction efficiently, Once the parameters were extracted to the grid, a weighting and scoring scheme was applied to create scores for each of the recharge, storability, and recoverability categories. These three scores were then combined to form a final hydrogeologic suitability score. This process was automated through a series of scripts, written in Python.

Hydrogeologic Assistance for Groundwater Management, Mid-East Texas Groundwater Conservation District, TX. 2022 – Present. *Project Manager and Lead Hydrogeologist.* Providing ongoing technical assistance as the district’s hydrogeologist, enabling the district to make informed and scientifically valid decisions regarding management of groundwater resources. Activities include advising the district on the impacts of proposed pumping under permit applications, assistance with the development of hydrogeologically appropriate well spacing rules, and evaluation of long-term groundwater availability to guide development of long-term groundwater management goals (desired future conditions).

Subsidence Impacts on the Spring Creek Watershed, Harris-Galveston and Fort Bend Subsidence Districts, Houston, TX. 2021 – 2022. *Hydrogeologist.* Developing future subsidence grids that will be used to evaluate subsidence impacts on flood risk along Spring Creek. Future subsidence grids were constructed using a novel approach, which utilized both measured (via GPS and satellite) and modelled data. The results of this work will provide insight into the potential hazard and economic costs of continued subsidence resulting from groundwater use.

Evaluate the Suitability of MODFLOW 6 and CSUB to Replace PRESS, Harris-Galveston and Fort Bend Subsidence Districts, Houston, TX. 2020 – 2021. *Hydrogeologist.* Evaluated the suitability of the skeletal storage, compaction, and subsidence (CSUB) package in MODFLOW 6 as a replacement for the PRESS model. The Parameters Relating Effective Stress and Subsidence (PRESS) model has been used to simulate subsidence at local scale for nearly four decades in the Houston region. We found that the same level of utility offered by the PRESS can be achieved in MODFLOW 6+CSUB, while CSUB’s ability to simulate both hydrogeology and compaction improved the realism of the modeling system.

Technical Support for Groundwater Management, Groundwater Management Area 1, Amarillo, TX. 2020 – 2021.

Hydrogeologist. Participated in and provided technical support of the comprehensive regional planning process for Groundwater Management Area (GMA) 1. Evaluated groundwater management strategies to address the short- and long-term needs for member entities, while also considering environmental impacts.

Hydrogeologic Assistance for Groundwater Management, Panhandle Groundwater Conservation District, Amarillo, TX. 2021 – Present.

Hydrogeologist. Activities include incorporating information from recent water level measurements and new drilling logs to estimate the saturated thickness of the Ogallala Aquifer throughout the District. The groundwater conservation districts used the estimated saturated thickness to assess potential desired future conditions for the Ogallala aquifer.

Due-Diligence Evaluation for the Purchase of a Large Wellfield, Confidential Client, West TX. 2020.

Hydrogeologist. Evaluated the hydrogeology and groundwater regulations relating to a pending purchase of several large tracts of land in West Texas by a hydraulic fracturing water supply company. The evaluation was successfully completed during the client's short timeframe before purchase. The evaluation confirmed the prospects for development of the aquifer on the properties being purchased and recommended several steps the client could take to improve the efficiency of the wellfield.

Technical Support for Desired Future Conditions Plan Update, Groundwater Management Area 14, Houston, TX. 2020.

Hydrogeologist. Provided technical assistance during regional planning process for GMA 14. Focused on evaluating how planned groundwater management strategies impact surface-groundwater interactions.

Teaching Experience, Colorado School of Mines, University of California Santa Cruz, University of Texas Austin, and National Outdoor Leadership School. 2014 – 2021.

Teaching Assistant. Served as co-lecturer in geostatistics and field methods in hydrology at Colorado School of Mines. Served as Teaching Assistant of Senior Design Course at UT Austin, course focused on designing aquifer and storage recovery projects. Assisted with classes on introduction to geology, groundwater engineering, groundwater modeling and engineering design, geostatistics in the Earth Sciences, and Field Geology at Colorado School of Mines and University of California Santa Cruz. Also served as National Outdoor Leadership School instructor.

Distributed Stormwater Collection Coupled with Managed Aquifer Recharge, University of California Santa Cruz Hydrogeology Group, Pajaro Valley, CA. 2014 – 2016. *Staff Researcher.* Developed a GIS/Python model for identification of sites where managed aquifer recharge (MAR) might be accomplished through capture of stormwater runoff. Involved in research and implementation of the first MAR stormwater basin in Pajaro Valley, California, and led site investigations of potential future sites.

Nutrient Loading Through Submarine Groundwater Discharge, University of California Santa Cruz Hydrogeology and Biochemistry Groups, Monterey Bay, CA. 2012 – 2014. *Research Assistant.* Used radium isotopes to determine if non-point source pollution through groundwater discharge promotes harmful algal blooms. Reconstructed past ocean carbonate chemistry, temperature, and salinity records from the Last Glacial Maximum to present using trace materials.

Teaching Experience, Colorado School of Mines, University of California Santa Cruz, and National Outdoor Leadership School. 2014 – 2019.

Teaching Assistant. Served as co-lecturer in geostatistics and field methods in hydrology at Colorado School of Mines. Assisted with classes on introduction to geology, groundwater engineering, groundwater modeling and engineering design, geostatistics in the Earth Sciences, and Field Geology at Colorado School of Mines and University of California Santa Cruz. Also served as National Outdoor Leadership School instructor.

Assessment of Uranium Mine Pit Closure and Underground Mine Workings, Energy Resources of Australia, Australia. 2021 – Present.

Hydrogeologist/Senior Modeler. Energy Resources of Australia (ERA) is ending ore processing and preparing for site closure at their Ranger Mine in the Northern Territory of Australia. Different tasks have been conducted to support ERA in selecting and assessing decommissioning activities, finalizing closure plans, responding to stakeholder questions to obtain approval from regulators, and assessing environmental impacts after mine closure.

Assessment of TSF Deconstruction GW Remediation Options as a part of Ranger Mine Closure Plan. 2022- Present.

Senior Modeler. Upgraded the existing regional groundwater flow and transport model from being a Modflow-NWT/MT3d based model to a Modflow-6 based model, updated the converted GW model to include important recent changes in site features, simulated five different remediation options for the TSF deconstruction plan, estimated the solute loadings to the

surface water receptors from various sources with different COPCs for the five options. The model results provide the guidance to the client for the selection of the final option under the consideration of mine closure schedule, cost, and potential impact to the environment.

Independent Technical Review of a Calibration-Constrained Uncertainty Analysis for Underground Mine Dewatering, Rio Tinto. 2022. *Hydrogeologist*. Together with my colleagues Dr. John Sigda, Dr. Jeremy White, I provided technical evaluation of a deterministic mine dewatering model and reviewed and helped guide improvements to the calibration-constrained uncertainty analysis of groundwater inflows to a confidential proposed mine. We reviewed model reports and the MODFLOW-USG input and output model files while discussing our findings in a series of conference calls with the client and modeling team. Our findings identified several improvements that will be important for Rio Tinto's mine planning and risk management.

Publications

Harmon, Ryan E., et al. "Exploring environmental factors that drive diel variations in tree water storage using wavelet analysis." *Frontiers in Water* 3 (2021): 682285.

Harmon, Ryan, Holly Barnard, Kamini Singha. "Water-table depth and fracture density control magnitude and timing of transpiration-induced diel fluctuations in groundwater." *Water Resources Research* (in press)

Beganskas, Sarah, Kyle S. Young, Andrew T. Fisher, Ryan Harmon, Sacha Lozna. "Runoff modeling of a coastal basin to assess variations in response to shifting climate and land use: Implications for managed recharge." *Water Resources Management* (2018)

Beganskas, Sarah, Galen Gorski, Tess Weathers, Andrew T. Fisher, Calla Schmidt, Chad Saltikov, Kaitlyn Redford, Brendon Stoneburner, Ryan Harmon, et al.. "A horizontal permeable reactive barrier stimulates nitrate removal and shifts microbial ecology during rapid infiltration for managed recharge." *Water Research* 144 (2018)

Fisher, T. Andrew, Sacha Lozano, Sarah Beganskas, Elke Teo, Kyle Young, Walker Weir, and Ryan Harmon. "Regional managed aquifer recharge and runoff analyses in Santa Cruz and northern Monterey Counties" (2017) CaliforniaRep., 130 pp, California State Coastal Conservancy, Project 13-118, Santa Cruz, CA. RCD website with report and data

Parsekian, Andrew D., Niels Claes, Kamini Singha, Burke J. Minsley, Bradley Carr, Emily Voytek, Ryan Harmon et al. "Comparing Measurement Response and Inverted Results of Electrical Resistivity Tomography Instruments." *Journal of Environmental and Engineering Geophysics* 22, no. 3 (2017): 249-266.

Years of Experience: 11

Education:

- PhD, 2019, Hydrology, Colorado School of Mines
- MS, 2013, Geochemistry, University of Illinois at Chicago
- BS, 2011, Geology, Georgia State University

Professional History:

- 2021 – Present Geochemist – INTERA Incorporated, Boulder, CO
- 2019 – 2021 Postdoctoral Research Fellow – Colorado School of Mines, Golden, CO
- 2015 – 2019 Graduate Research Assistant – Colorado School of Mines, Golden, CO
- 2013 – 2015 Geochemist – Johnson Space Center, Houston, TX
- 2011 – 2013 Graduate Research Assistant – University of Illinois at Chicago, Chicago, IL
- 2011 Hydrologic Technician – U.S. Geological Survey, Atlanta, GA

Software and Skills

- R and Python
- PHREEQC and Geochemist’s Workbench
- PFLOTRAN and Crunchflow
- Modflow, MODPATH, and PEST
- ArcPro, ArcMap, and QGIS



Dr. Elanor Heil is a hydrogeochemist with 11 years of experience in applied geochemistry focused on trace metal analysis, isotope sampling and testing and water-rock interactions including developing novel experimental techniques, identifying and interpreting trends and patterns in complex data sets using statistical techniques, and parameterizing geochemical and reactive transport models. She recently completed hydrogeologic studies on the Western Slope Colorado through her doctoral and postdoctoral research at the Colorado School of Mines. Her skills include statistical analysis and visualization of geochemical data coded through R and Python; geochemical and reactive transport modelling (PHREEQC, The Geochemist’s Workbench, PFLOTRAN, CrunchFlow, and MODFLOW); and trace metal analysis (field collection, sample preparation, experimental design, QA/QC, and instrumentation). Her modeling expertise is also applied to water resources management, where she uses these tools, such as MODFLOW, PEST, and MODPATH, to evaluate groundwater levels, gradients, and velocities. She has routinely applied her programming skills to write or customize pre- and post-processing scripts to run, evaluate, interpret, and visualize modelling results, such as for PHREEQC, MODFLOW, and MODPATH, in addition to the development and application of statistical models, such as kriging.

Selected Projects

Evaluating Changes in Weathering Regimes in Alpine Watersheds Through Time, Colorado School of Mines, Golden, CO. 2019 – 2021. *Postdoctoral Research Fellow.* Conducted spatial and temporal statistical analysis of long term geochemical and hydrological monitoring data. Additionally, investigated scale dependence of mineral dissolution rates using experimental microfluidic devices to better inform reactive transport models.

Evaluating Impacts of Large-Scale Tree Die-Off Events on Water Quality, Colorado School of Mines, Golden, CO. 2019 – 2021. *Graduate Research Assistant.* Evaluated complex geochemical, mineralogical, and hydrological datasets to identify watershed characteristics that drive changes in water quality (including trace metals) and quantity resulting from large-scale tree die-off, such as from Bark Beetle Epidemics, through monitoring field sites coupled with reactive transport modeling.

Characterizing Martian Soils, Johnson Space Center (HX5-JETS Contract-NASA), Houston, TX. 2013 – 2015. *Geochemist.* Characterized components of Martian soils contributing to thermal decomposition and evolved gas signals returned from Curiosity on Mars. Responsible for method development for synthesizing analog Martian soils. Managed laboratory workflows, instrumentation (quality assurance/quality control and maintenance), and chemical waste and inventory.

Evaluating Controls on Mercury Mobilization, University of Illinois at Chicago, University of Illinois at Chicago, IL. 2011 – 2013. *Graduate Research Assistant.* Characterized controls on Hg mobility in contaminated watersheds. Performed geochemical modeling of Hg contaminated sites.

Mapping Extent of Saltwater Intrusion, United States Hydrogeological Survey, Atlanta, GA. 2011. *Hydrogeologic Technician.* Analyzed borehole geophysical logs to predict properties of fluids and facies distributions. Performed hydrogeologic analyses of salt-water intrusion in aquifers of the Southeast to assess changing quality of water utilized for agriculture.

Environmental Restoration Activities - U.S. Department of Energy - Hanford Site, CH2M Hill Plateau Remediation Company, Hanford, WA. 2021– Present. *Environmental Scientist.* Providing support on the largest environmental restoration project in the world resulting from over forty years of plutonium production and associated operations at the Hanford Site.

Representative tasks include the following:

- **Annual Groundwater Report. 2022 – Present.** Supporting project scientists in developing annual groundwater plume maps by applying universal kriging and raster building routines to generate 2D representations of contaminants of concern over the entirety of the Hanford site.

Environmental Monitoring, Groundwater Flow Modeling, U.S. Department of Energy - Hanford Site, Central Plateau Cleanup Company, Hanford, WA. 2021 – Present. *Geochemist/Hydrogeologist.* Performing water level mapping and groundwater gradient and flow velocity calculations for monitoring of Resource Conservation and Recovery Act (RCRA) waste sites using a combination of analysis techniques from groundwater modeling and calibration software (MODFLOW and PEST), statistical models (kriging), and python and R to automate calculations.

Publication, Presentations, and Reports

ECF-HANFORD-22-0039, 2022, Calculation and Depiction of Groundwater Contamination for the Calendar Year 2021 Hanford Site Groundwater Monitoring Report, Prepared for U.S. Department of Energy, Richland Operations Office. Richland, Washington

ECF-HANFORD-22-0089, 2022, Vertical Migration, Vertical Migration Potential for Final Status Well Networks for 2021, Prepared for U.S. Department of Energy, Richland Operations Office. Richland, Washington

ECF-HANFORD-22-0029, 2022, Groundwater Elevation Mapping for 200 West Area – Quarter 4 Calendar Year 2021, Prepared for U.S. Department of Energy, Richland Operations Office. Richland, Washington

ECF-HANFORD-22-0040, 2022, Groundwater Elevation Mapping for 200 East Area – Quarter 4 Calendar Year 2021, Prepared for U.S. Department of Energy, Richland Operations Office. Richland, Washington

ECF-HANFORD-22-0041, 2022, Hydraulic Gradient and Average Linear Groundwater Velocity Calculation - Quarter 4 Calendar Year 2021, Prepared for U.S. Department of Energy, Richland Operations Office. Richland, Washington

Heil, E., S. Warix, K. Singha, and A. Navarre-Sitchler, 2022, Decadal trends in solute concentrations, mass flux, and discharge reveal variable hydrologic and geochemical response to climate change in two alpine watersheds. *Chemical Geology*. <https://doi.org/10.1016/j.apgeochem.2022.105402>

Deng, H., A. Navarre-Sitchler, E. Heil, and C. Peters, 2021, Addressing water and energy challenges with reactive transport modeling. *Environmental Engineering Science*. <https://doi.org/10.1089/ees.2021.0009>

Warix, S., E. Heil, A. Navarre-Sitchler, and K. Singha, 2021, Concentration-discharge and mass flux relationships in two alpine headwater catchments, Goldschmidt Conference, Virtual Conference, July 4-9.

Heil, E., J. Squier, B. Gorman, and A. Navarre-Sitchler, 2021, Investigating the impact of pore connectivity and dead-end pores on mineral dissolution through microfluidics, Goldschmidt Conference, Virtual Conference, July 4-9.

Heil, E., H. Jung, M. Malenda, B. Gorman, J. Squier, and A. Navarre-Sitchler, 2019, Evaluating the control of heterogeneities on anorthite dissolution rates using microfluidics: bridging the gap between lab and field reaction rates. *American Geophysical Union Fall Meetings*, Dec. 9-13, 2019, San Francisco, CA.

Heil, E., A. Navarre-Sitchler, and R. Wanty, 2016, Metal cycling within mountain pine beetle impacted watersheds of Keystone Gulch, Colorado. *American Geophysical Union Fall Meetings*, Dec. 12-16, 2016, San Francisco, CA.

Heil, E., A. Navarre-Sitchler, and R. Wanty, 2016, Metal Cycling in Mountain Pine Beetle Impacted Watersheds. *Abstracts of the Geological Society of America 2016 Annual Meeting*, Denver, CO Sutter, B., E. Heil, R. Morris, P. Archer, D. Ming, P.

Niles, J. Eigenbrode, H. Franz, C. Freissinet, D. Glavin, and A. McAdam, 2015, The investigation of perchlorate/iron phase mixtures as a possible source of oxygen detected by the Sample Analysis at Mars (SAM) instrument in Gale Crater, Mars. In *Lunar and Planetary Science Conference* (No. JSC-CN-32773).

Years of Experience: 18

Education:

- PhD, 2009, Geosciences/Biogeochemistry, Pennsylvania State University
- BS, 2004, Geosciences, University of Oregon

Professional Registrations/Affiliations:

- Professional Geologist, UT, 2019, No. 10823695
- Member, Geochemical Society
- Member, Mineralogical Society of America

Professional History:

- 2017 – Present Senior Geochemist – INTERA Incorporated, Albuquerque, NM
- 2014 – 2017 Visiting Assistant Professor – Whitman College, Walla Walla, WA
- 2013 – 2014 Postdoctoral Scholar – Queen’s University, Ontario
- 2010 – 2013 Research Geologist – USGS Eastern Mineral and Environmental Resource Center, Reston, VA

Specialized Training & Resumes:

- OSHA HAZWOPER Training, (40-Hour), refreshed 2022
- CPR, First Aid, Bloodborne Pathogens Training; 29 CFR 1910.1030; refreshed 2022
- JMP, R, PHREEQC, Geochemist’s Workbench, KaleidaGraph, Origin, M3
- Automated Mineralogy Analysis



Dr. Bryn Kimball is an expert in using isotopes in hydrogeological investigations particularly to estimate age of groundwater and identify paths and sources of water supplies. Dr. Kimball’s geochemical expertise has also been in quantifying the composition, stability, transport and distribution of metal-bearing phases in the environment using a variety of analytical, statistical, and modeling approaches. She designs and works with teams to implement field sampling campaigns involving the collection of water, soil, sediment and bedrock samples following regulatory and tailored protocols, and prepares samples for various analytical techniques. Her experience analyzing samples encompasses a wide variety of methods and equipment including ion chromatography; various types of inductively coupled plasma spectrometry techniques; spectrophotometry; alkalinity titrations; X-ray diffraction; transmission and scanning electron microscopy with energy dispersive spectroscopy; synchrotron-based X-ray absorbance and fluorescence spectroscopy; Fourier transform infrared spectroscopy; and Raman spectroscopy. Dr. Kimball also routinely uses geochemical modeling software including PHREEQC and Geochemist’s Workbench as well as the statistical software R. Dr. Kimball’s research has been published in Environmental Science and Technology, Applied Geochemistry, and Geochimica et Cosmochimica Acta.

Select Project Experience

Ambrosia Lake Mill Site Conceptual Site Model Development, BHP /Rio Algom Mining LLC, McKinley County, NM. 2017 – Present. Senior Geochemist. Supporting efforts to develop an

updated conceptual site model for the region. Previous and ongoing investigations are aimed to characterize groundwater flow and quality throughout the site. Primary responsibilities have involved contributing to sampling and analysis plans for groundwater and tailings characterization, writing reports about ongoing groundwater and soil monitoring, multivariate statistical analysis of groundwater chemistry, evaluation of multiple hydrologic stable oxygen and sulfur isotopes, source term characterization, geochemical modeling of COC attenuation, and updating the conceptual and numerical models for groundwater flow and transport at the site. Ongoing efforts have served the client in preparing for site closure and transfer to the U.S. DOE.

Lisbon Facility Conceptual Site Model Development and Corrective Action Assessment and, Lisbon Facility, BHP/Rio Algom Mining LLC, San Juan County, UT. 2018 – Present. Senior Geochemist. Supporting efforts to evaluate historical site-specific data and recent supplemental site assessment information collected to develop an updated conceptual site model (CSM) and numerical flow and transport model for constituents of concern (COC) at a closed uranium mill tailings facility. Primary responsibilities include multivariate statistical analysis of groundwater chemistry, evaluation of multiple hydrologic stable oxygen and hydrogen isotopes that may distinguish natural and anthropogenic sources of contaminants, source term characterization, geochemical modeling of COC attenuation, and contributing to continual updates to the CSM and development of a work plan for corrective action assessment. Ongoing efforts have served the client in preparing for site closure and transfer to the U.S. Department of Energy (DOE).

Peñasquito Mine Water Quality Support, Minera Peñasquito, Zacatecas, Mexico. 2021 – 2022. Senior Geochemist. Provides geochemical expertise on sources and fate of water constituents using geochemical tracers/isotopes and statistical analysis.

La Maruja-Marmato Mine, Aris Mining, Caldas, Colombia. 2021 – Present. *Senior Geochemist.* Oversees geochemical characterization and analysis for a proposed expansion (Lower Mine) and the historic La Maruja mine (Upper Mine). Work is performed for a Feasibility Study (Lower Mine) and Environmental Impact Assessment (Upper Mine) following the guidelines set forth by the Autoridad Nacional de Licencias Ambientales.

San Matias Copper-Gold-Silver Project, Minerales Cordoba, Cordoba, Colombia 2021 – Present. *Senior Geochemist.* Oversees geochemical characterization, sample selection, analytical designs, data analysis and interpretation to support a baseline characterization for a copper-gold deposit in a remote location in northeast Colombia. Recent work has expanded to meet the requirements of a Feasibility Study and Environmental Impact Assessment following the guidelines set forth by the Autoridad Nacional de Licencias Ambientales.

Pinyon Plain Mine, Energy Fuels Resources (USA) Inc., Coconino County, AZ. 2022 – Present. *Senior Geochemist.* Supporting development of a database and statistical analysis of groundwater quality data for point of compliance wells at the mine. Statistical analysis will lead to regulatory compliance limits that meet the requirements set forth by the State of Arizona Aquifer Protection Permit.

White Mesa Uranium Mill Site, Energy Fuels Resources (USA) Inc., Blanding, UT. 2017 – Present. *Senior Geochemist.* Support investigation efforts to determine the sources and fate of contaminants such as uranium, selenium, and acidity at the operating mill site. Previous and ongoing investigations are aimed to determine whether regulatory exceedances on site are due to sitewide changes in background conditions or from milling operations. Primary responsibilities involve statistical analysis of groundwater chemistry datasets, geochemical modeling, and reviewing/writing source assessment reports. Ongoing efforts have served the client in maintaining reasonable groundwater compliance limits.

Reactive Transport Simulations of Groundwater Flow Near Ash Deposits, Electric Power Research Institute, Inc. (EPRI), Palo Alto, CA, 2022 - Present. *Senior Geochemist.* Provide guidance and review for geochemical reactions included in a reactive transport model.

Resolution Copper Mine, Rio Tinto, Superior, AZ. 2019 – 2020. *Geochemist.* Oversaw analytical designs, sample collection, laboratory communication, and data analysis and interpretation to support a proposed mine in a porphyry copper deposit. The geochemical characterization provided the foundation for the aquifer protection permit and predictive geochemical models.

JJ No. 1/L-Bar Mine Alternative Abatement Standard Calculations, SOHO Western Mining (Rio Tinto), Cibola County, NM. 2018. *Geochemist.* Supported efforts to develop alternative abatement standards based on site-specific geochemistry and equilibrium speciation modeling using Geochemist's Workbench and PHREEQC. Primary responsibilities included statistical analysis of groundwater chemistry, geochemical modeling, critical evaluation of uranium attenuation factors from the literature, and contributing to the Stage 2 Abatement Plan Proposal. Efforts served the client in preparing the site for closure.

Mina Magistral Groundwater and Waste Rock Baseline Characterization for an In-Pit Tailings Storage Facility, Minera Pangea/McEwen Mining, Sinaloa, Mexico. 2018. *Geochemist.* Contributed to a work plan to characterize groundwater flow, aquifer characteristics, and wall rock and tailings geochemistry in support of a permit application for in-pit disposal of reprocessed gold ore. Involved in preliminary analysis and interpretation of geochemical data.

Waste Rock Geochemical Characterization for the Tayoltita Mine, Primero Mining/Goldcorp/Luismin, Tayoltita, Durango, Mexico. 2018. *Geochemist.* Supported the development of a plan to sample mine waste from production mining, including kinetic tests.

Field Studies for Queen's University Department of Geological Sciences and Engineering, Kingston, Ontario, Canada. 2013 – 2014. *Postdoctoral Scholar.* Led field studies of Au-Cu-As deposits in Chile and Peru to determine whether the native microorganisms can be used to improve metal recovery and/or to optimally bioremediate the mine waste for safer long-term storage, or whether the presence of byproduct commodities could be used to offset remediation costs. Primary responsibilities included planning and carrying out field sampling of surface water, stream sediments, and biological material; overseeing laboratory analysis; geochemical modeling; and contributing to data interpretation. Specialized skills gained during this time included automated mineralogical analysis to better quantify metal-bearing solids in contaminated stream. Results have provided the client with information for cost-benefit analysis.

Research in Mine Waste Environments, U.S. Geological Survey Eastern Mineral and Environmental Resource Science Center, Reston, VA. 2010 – 2013. *Research Geologist.* Conducted experimental and field studies of trace metal speciation and mobility in mine waste environments, with an emphasis on the influence of secondary minerals on metal speciation. Experimental activities included leaching of pure and Cu- or Zn-substituted secondary iron minerals jarosite and schwertmannite. Field activities included using synchrotron techniques to identify the speciation of solid-phase Cu and Mn hosts in contaminated stream sediments at a superfund site in the Vermont Copper Belt. Results were used by the EPA to develop a remediation plan for the site. Also, helped write the environmental geochemistry sections of chapters on the availability and mining of critical commodities.

North Railroad Avenue Plume Superfund Project, New Mexico Environment Department, Española, NM. 2018. *Geochemist.* Assisted with geochemical analysis of groundwater data from a former laundromat impacted by tetrachloroethylene and its degradation products.

Undergraduate Geological and Environmental Studies Instruction, Whitman College Department of Geology and Environmental Studies Program, Walla Walla, WA. 2014 – 2017. *Visiting Assistant Professor.* Taught undergraduate courses in geochemistry; mineralogy; petrology; environmental geology; and environmental studies, including government regulation of water, air, and soil quality. Mentored undergraduate research projects in environmental geochemistry.

Selected Publication, Presentations, and Reports

Kimball, B. E., 2018. Fingerprinting natural and anthropogenic contaminants with uranium isotopes. The Geological Society of America Joint Section Meeting, Flagstaff, Arizona, May 15-17.

Kimball, B. E., Arthur, R., 2020. Chemical Tracers at a Closed Milling Site with Natural and Anthropogenic Contaminants. The 30th V.M. Goldschmidt Conference, Virtual Conference, June 21 – 26. DOI: 10.46427/gold2020.1320.

Kimball, B. E., Jamieson, H. E., Seal, R. R. II, Dobosz, A., Piatak, N. M., 2019. Micrometer-scale characterization of solid mine waste aids in closure due diligence. Proceedings of Tailings and Mine Waste, November 17-20, 2019, Vancouver, Canada.

Seal, R. R. II, Piatak, N. M., Kimball, B. E., Hammarstrom, J. M., 2017. Environmental considerations related to mining of nonfuel minerals, in Schulz, K.J., Bradley, D.C., DeYoung, J.H., and Seal, R.R., II (eds.) Critical mineral resources: U.S. Geological Survey Professional Paper PP1802, p. B1-B16.

Cannon, W.F., Kimball, B.E., Corathers, L.A., 2017. Manganese: economic and environmental geology, and prospects for future supply, in Schulz, K.J., Bradley, D.C., DeYoung, J.H., and Seal, R.R., II (eds.) Critical mineral resources: U.S. Geological Survey Professional Paper PP1802, p. L1-L28.

Foley, N.K., Jaskula, B.W., Kimball, B.E., Schulte, R., 2017. Gallium: economic and environmental geology, and prospects for future supply, in Schulz, K.J., Bradley, D.C., DeYoung, J.H., and Seal, R.R., II (eds.) Critical mineral resources: U.S. Geological Survey Professional Paper PP1802, p. H1-H35.

Shanks, W.C.P., III, Kimball, B.E., Tolcin, A.C., and Guberman, D.E., 2017. Germanium and indium: economic and environmental geology, and prospects for future supply, in Schulz, K.J., Bradley, D.C., DeYoung, J.H., and Seal, R.R., II (eds.) Critical mineral resources: U.S. Geological Survey Professional Paper PP1802, p. I1-I27.

Slack, J.F., Kimball, B.E., Shedd, K.B., 2017. Cobalt: economic and environmental geology and prospects for future supply, in Schulz, K.J., Bradley, D.C., DeYoung, J.H., and Seal, R.R., II (eds.) Critical mineral resources: U.S. Geological Survey Professional Paper PP1802, p. F1-F40.

Kamilli, R.J., Kimball, B.E., Carline, J.F., Jr., 2017. Tin: economic and environmental geology, and prospects for future supply, in Schulz, K.J., Bradley, D.C., DeYoung, J.H., and Seal, R.R., II (eds.) Critical mineral resources: U.S. Geological Survey Professional Paper PP1802, p. S1-S53.

Kelley, K.D., Scott, C.T., Polyak, D.E., Kimball, B.E., 2017. Vanadium: economic and environmental geology and prospects for future supply, in Schulz, K.J., Bradley, D.C., DeYoung, J.H., and Seal, R.R., II (eds.) Critical mineral resources: U.S. Geological Survey Professional Paper PP1802, p. U1-U36.

Kimball, B.E., Jamieson, H.E., Seal, R.R. II, Dobosz, A., Piatak, N.M., 2016. Trace metal hosts in stream sediments impacted by mine waste. The 26th V.M. Goldschmidt Conference, Yokohama, Japan, June 26 – July 1.

Years of Experience: 6

Education:

- MS, 2016, Hydrologic Science and Engineering, Colorado School of Mines
- BS, 2014, Geology, Clemson University

Professional Registrations:

- Professional Geoscientist, WY, 2022, No. 4269

Professional History:

- 2023 – Present Groundwater Modeler – INTERA Incorporated, Lakewood, CO
- 2017 – 2023 Hydrogeologist – Brown and Caldwell, Lakewood, CO

Specialized Training & Software:

- MODFLOW
- ArcGIS Pro, Leapfrog Work
- Python, R
- HAZWOPER 40-Hour (2014)
- Mine Safety and Health Administration (MSHA) Part 48 (2018)



Savannah Miller is a hydrogeologist with nearly a decade of experience focused on hydrogeological investigations, development of conceptual and numerical groundwater modeling and analyzing geospatial data. Her experience has been across a wide range of topics and areas including but not limited to groundwater resources, contaminant transport, aquifer storage recovery, surface water/groundwater interaction and mining impact. She has worked on projects in Colorado and throughout the United States.

Select Project Experience

Hydrogeologic support, Arapahoe County Water and Wastewater Authority, Colorado. Hydrogeologist. Revised the South Platte Decision Support System (SPDSS) groundwater model to inform Arapahoe County water and wastewater authority’s position in a water rights case. Simulated groundwater response from various changes in farm recharge. Computed water balance differences to determine fate of recharge applied and develop response curves at a range of recharge application rates.

Arkansas River Colors of Water and Forecasting Tool Calibration, Division of Water Resources, Colorado. Hydrogeologist. Assisted with calibrating the Arkansas Colors of Water model to measured peak storm streamflows and baseflow for various segments of the Arkansas river. Provided guidance to DWR team on model sensitivities to predicted streamflows.

AFCURE Nutrient Technical Approach, Pikes Peak Regional Water Authority, Colorado Springs, Colorado. Project Data Analyst. Assisted with developing a nutrient screening level model for the Arkansas and Fountain Coalition for Urban River Evaluation (AFCURE), a watershed group comprised of Monument and Fountain Creeks and Arkansas River wastewater dischargers. Calculated statistics related to constituents of interest to determine potential impairments.

On-Call Environmental Services, City and County of Denver (CCoD), Colorado. Hydrogeologist. Provided field support at the former Stapleton International Airport, collecting soil samples at various locations throughout the site. Beginning in June 2019, worked at the Frontier Hangar North Lined Pond. Organized field activities for soil sampling within the Line Pond. Assisted in collecting samples for PFAS and petroleum analysis and the subsequent data analysis and reporting.

Hydrologic Site Modeling, Confidential Client, Southeastern Idaho. 2020 – 2023 Hydrogeologist. Hydrologic flow and transport modeling of operations and post-operations mining at a gold mine using MODFLOW 6. The model was used to evaluate mining impacts to streamflow and groundwater conditions throughout the life cycle of the mine. Assisted the client in the development of the mine dewatering plan during operations as well as point of compliance assessment during closure.

Former Grants Uranium Mill Site, Homestake Mining Company (Barrick Gold Corporation), Cibola County, New Mexico. 2020. Hydrogeologist. Assisted in the development of the hydrogeologic conceptual model of the San Mateo Basin including the site of the former Homestake Mining Company Grants Uranium Mill. This location is impacted by uranium and other metals and remedial closure activities are underway. Member of a team that developed a groundwater flow and transport model to assess the migration of the uranium plume and potential mitigation strategies.

Evaluation of Vadose Zone Fate and Transport of Lead, Vulcan Gun Club, Azusa, CA. 2021. Hydrogeologist. Analyzed the potential for lead transport through soil pore water beneath the Vulcan Former San Gabriel Valley Gun Club. Analyzed spatial distribution of lead through the gun range to develop initial conditions for VLEACH, a one-dimensional finite

difference vadose zone leaching model. Evaluation of lead movement was based upon understanding of soil chemistry, soil climatic conditions, and transport processes from percolating rainwater.

Regional Groundwater Modeling, Blue River Basin Natural Resource District and Nebraska Department of Natural Resources, Southeastern NE. 2020. *Hydrogeologist.* The four Natural Resource Districts (NRDs) covering different portions of the Blue River Basin and the Department of Natural Resource (NeDNR) are pursuing the development of an updated regional-scale groundwater flow model for the Blue River Basin. I worked with the NRDs and NeDNR on a regional model approach using an unstructured model grid with MODFLOW-USG and using CropSim to develop agricultural water budget estimates.

Drinking Water Supply Augmentation Study, Confidential Military Base. 2019. *Hydrogeologist.* Modeling lead to update and calibrate an existing regional groundwater model to simulate flow and transport in the aquifer. Due to predicted increase in base population the model was used to assess best location for new drinking water wells to meet projected demand without pulling from deeper saline aquifer (MODFLOW-NWT & MT3D-USGS).

Groundwater Management and Supply Study, City of Goodyear, Goodyear, AZ. 2018. *Hydrogeologist.* Adapted an existing Arizona Department of Water Resources (ADWR) numerical groundwater model (MODFLOW 2000) for the Salt River Valley (SRV) to simulate potential impacts resulting from a proposed Underground Storage Facility (USF). Updated the existing ADWR SRV model to evaluate potential impacts resulting from increased groundwater pumping from two municipal supply wells.

Publications, Presentations, and Reports

Guest Lecturer for Groundwater Modeling Course at Colorado School of Mines. FloPy and Unstructured Grids Introduction. Spring semester of 2021, 2022, & 2023

Presentation. Coupling a Recharge Estimation Model with a Groundwater Flow Model to Improve Decision Support. American Exploration & Mining Association (AEMA) 2022 – Reno, Nevada

Presentation. Coupling a Recharge Estimation Model with a Groundwater Flow Model to Improve Decision Support. PEST Conference 2023 – San Diego, CA

Sherman, T., Fakhari, A., Miller, S., Singha, K., and Bolster, D. 2017. Parameterizing the Spatial Markov Model from Breakthrough Curve Data Alone. *Water Resources Research*, 53. <https://doi.org/10.1002/2017WR021810>

Years of Experience: 20

Education:

- BS, 1998, Environmental Geology, Colorado State University

Professional Registrations/Affiliations:

- Certified Groundwater Professional, National Groundwater Association

Professional History:

- 2021 – Present Senior Hydrogeologist – INTERA Incorporated, Boulder, CO
- 2010 – 2021 Hydrogeologist and IT Support Professional – Lamp Rynearson, Lakewood, CO
- 2002 – 2010 Hydrogeologist – AMEC, Boulder, CO

Skills & Software

- MODFLOW, Groundwater Vistas, ArcGIS, CDSS/SEO Tools, Visual Basic, Python, Excel Macro Programming, AQTESOLVE, IDS Tools, General IT Support



Mr. Zielke has been involved in water supply planning, hydrogeologic investigations, water rights analysis, modeling of surface and subsurface water supply systems, and litigation support for over twenty years. He has worked with many of Colorado municipal clients and smaller metropolitan districts. His work has included on-site well construction, geologic logging, and pump service work, in addition to groundwater modeling and water rights projects.

Select Project Experience

Groundwater Modeling, East Cherry Creek Valley Water, Aurora, CO. 2021 - 2023. *Hydrogeologist/Modeling Lead.* Created a groundwater model from the USGS regional Denver basin groundwater model to examine effects from Artificial Storage of water using the district’s existing wells. Work involved a geologic review of the aquifers in the project area, calibration of the reduced size model, and scenario analysis for various storage and extraction plans.

Groundwater Impact and Mitigation, Town of Frederick, CO.

2021–Present. *Technical Lead.* Performing investigation of high water table conditions and mitigation measures. The work includes installation of monitoring wells and development of groundwater model to investigate the reasons for rising groundwater and propose mitigation of such conditions.

Aquifer Storage and Recovery Regional Groundwater Model, South Metro Water Authority, CO. 2022 Present. *Technical Lead.* Supporting the project that includes development of a conceptual and numerical regional groundwater model for Castle Rock, Centennial Water and Sanitation District and East Cherry Creek Water and San District.

Water Rights Modeling, Denver Water, CO. 2020 – Present. *Hydrogeologist.* Performs modeling work for water rights cases involving Denver Water as an applicant.

Seepage Model – Aspen Street Subdivision, Redland, City, State. 2019 – 2020. *Hydrogeologist.* Modeled seepage from a ditch moving through a development site, issuing a report analyzing various ditch lining failure scenarios.

Various Services, City of Lafayette, CO. 2010-2021. *Water Right Expert.* Firm Yield modeling to evaluate a number of water supply improvements under consideration by the city. Firm Yield modeling for water supply calculations used in the Gross Reservoir Environmental Pool application. Decree and Augmentation Plan review for opposition expert reports such as in the Erie and Firestone cases. Evaluation of water supply project proposals, such as those posed periodically by Jon File. Writing, technical support, and editorial review of the 2021 update to the Water Rights manual for the City. Accounting audits in support of Ted Zorich’s daily accounting submittals.

Change of Water Right for Farmers Reservoir and Irrigation Company, Church Ditch, and Lawn Irrigation Return Flows Update, City of Northglenn, CO. 2015 – 2020. *Hydrogeologist.* Prepared historical use analysis and creation of a ditch wide groundwater model for use in a change of water right on the Farmers Reservoir and Irrigation Company ditch and the Church Ditch. Groundwater modeling and historic irrigation analysis for update to lawn irrigation return flows right.

Regional Augmentation Plan, Huerfano County Water Conservancy District, CO. 2017 – 2020. *Hydrogeologist.* Geological research and aquifer analysis for the creation of a county wide augmentation plan for use in business development throughout Huerfano County.

Water Court Application Support and Protection of Existing Water Rights, Bijou Irrigation Company, CO. 2010 – 2021. *Hydrogeologist.* Reviewed numerous water court applications to identify potential injury to client’s water rights and

assisted negotiations to resolve those issues. Conducted a variety of groundwater analysis in support of recharge program applications for the client and completed work on rebuttal analysis and reports to further negotiations with opposers.

Groundwater Modeling, City of Lincoln, Lincoln, NE. 2010 – Present. *Hydrogeologist/Groundwater Modeling Lead.* Updated the previous groundwater model for Lincoln's Platte River Well Field to a new, higher fidelity version. Analysis of a number of operational scenarios in a wide variety of drought and river conditions. Analysis of a variety of potential new well locations to enhance the system.

West Basin Municipal Water District, Carson, CA. 2022 – Present. *Hydrogeologist.* Updates to legacy code from PERL to Python for building and executing a large-scale seawater intrusion model. Support for annual update to the model and its accompanying report.

Hunter's Overlook Accounting, Windsor, CO. 2017 – Present. *Hydrogeologist.* Design and installation of a tracking system for precipitation, reservoir water levels, evaporation, and groundwater seepage. Creation and maintenance of the daily accounting form.

Weekly and Monthly Water Right Accounting, Spring Valley, Boulder, CO. 2010 – Present. *Water Right Expert.* Creation of monthly depletion accounting for residential well usage. Lagged depletion calculations for new well installations, and weekly accounting for adjacent water users.

Monthly Water Right Accounting, Columbine Ranches Homeowner's Association, Commerce City, CO. 2010 – Present. *Water Right Expert.* Creation of monthly depletion accounting for residential well usage. Coordination with nearby water users for annual lease of excess credits.

Water Right Accounting, Lake Canal Reservoir Company, Severance, CO. 2018 – Present. *Water Right Expert.* Creation of monthly accounting based on water right decree for client's augmentation and irrigation uses. Support for replacement credit leases and client negotiations.

Water Rights Opposition Analysis, Lost Creek Land and Cattle, Roggen, CO. 2012 – 2019. *Hydrogeologist.* Review of a number of Aquifer Storage and Recovery applications in the Lost Creek Designated Basin. Support for expert reports filed in opposition to these applications.

Groundwater Model in Support of Residential Underdrain System Design, THF Prairie Center, Brighton, CO. 2010 – 2017. *Hydrogeologist.* Deployment of groundwater monitoring equipment. Creation of a site-scale groundwater model for a large development site in Brighton Colorado. Modeling seasonal ditch leakage from an on-site structure, calculations of various underdrain configurations and stormwater flow conditions.

Water Right Accounting, City of Berthoud, CO. 2019 – 2021. *Water Right Expert.* Creation of monthly accounting for water rights use for municipal supply.

Irrigation Water Supply Analysis for Negotiation with State Engineers Office, Gay Family, LLC, Burlington, CO. 2019 – 2020. *Hydrogeologist.* Evaluation of historic farming practices to assist in negotiations regarding decreed wells and their comingling status.

Reservoir Groundwater Modeling and Groundwater Monitoring Program Design, Pelican Shores Homeowners' Association, Longmont, CO. 2018 – 2021. *Hydrogeologist.* Design of monitor well layout to collect data regarding well gallery pumping tests from adjacent parcel. Formulating recommendations on new decree and evaluation of slurry wall and reservoir lining designs.

Evaluation of Water Rights Accounting and Geographic Information Systems Support, St. Mary's Glacier, City, State. 2018 – 2020. *Water Right Expert.* Review of existing water right accounting for the town, and creation of a GIS database of water distribution and sewer systems.

Seepage Model, Silver Peaks Subdivision, Greenwood Village, CO. 2018 – 2019. *Hydrogeologist.* Gathered groundwater data using slug tests in support of a seepage model to evaluate a retention pond's interaction with a nearby ditch.

Groundwater Model, Fremont YMCA, Fremont, NE. 2015 – 2018. *Hydrogeologist.* Design of a step test for evaluation of the underlying aquifer for the construction of an indoor pool. Creation of a groundwater model for design of a dewatering system for use in the construction.



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The Town of Paonia
PROPOSAL EVALUATION

Project Name: Hydrogeological Study
Contractor: Wright Water

RFQ 2023-03 HYDROGEOLOGICAL STUDY

Evaluation Criteria	Score	Possible Points	Comments on Score
<u>Qualifications</u>	15	15	Firms Qualifications are incredibly sought after, multiple PHD's assigned to project with experience at USGS.
<u>Demonstrated ability working on water-related issues with similar governmental entities</u>	9	10	Completed projects near Paonia and similar type, but for mines, significant experience with wells.
<u>Firm's workload and availability</u>	10	10	Firm has an availability of staff and included an organizational chart to show which staff assigned to different pieces.
<u>Familiarity with water issues on the Western Slope</u>	25	25	Firm is very well-versed in water related issues along the western slope. with extensive projects in our area.
<u>Credentials of the firm's project team numbers</u>	10	10	Entire proposed team are highly skilled and respected within their field.
<u>Detailed schedule for completing field work and developing the study</u>	10	10	Incredible organizational structure and detailed schedule, already has most of the studies.
<u>Cost</u>	4	5	2nd Best cost received, very competitive price and application package
<u>Thoroughness and Completedness of Proposal</u>	15	15	Significant thought and detail went into creating this proposal, including researching funding Town has received.

TOTAL 98/100

Water Rights Engineer with significant experience at CWCB, is highly desirable. Breakout of work through organizational chart assists the Town in knowing the people responsible for completing each step. Firm has completed alot of the legwork to understand Paonia's system and it shows in the proposal. Wright Water already has most of the studies completed for the Town and seems to poised and ready to get to work.

Project Name: Hydrogeological Study
Contractor:**RFQ 2023-03 HYDROGEOLOGICAL STUDY**

Evaluation Criteria	Score	Possible Points	Comments on Score
<u>Qualifications</u>	15	15	Qualified team Wright Water has done work for Paonia before
<u>Demonstrated ability working on water-related issues with similar governmental entities</u>	10	10	Has worked with the town other projects
<u>Firm's workload and availability</u>	10	10	Large enough team to complete task
<u>Familiarity with water issues on the Western Slope</u>	23	25	Have done work for the town. I havent worked with them but feel they understand the challenges of the project
<u>Credentials of the firm's project team numbers</u>	10	10	They have worked with the town on projects
<u>Detailed schedule for completing field work and developing the study</u>	10	10	Schedule and graphs look complete
<u>Cost</u>	4	5	Complete cost and budget graph
<u>Thoroughness and Completedness of Proposal</u>	15	15	Complete and detailed proposal

TOTAL 97

Wright Water has worked with the town in the past. Their team should be more than capable of completing the project.

Project Name: Hydrogeological Study
Contractor:

RFQ 2023-03 HYDROGEOLOGICAL STUDY

Evaluation Criteria	Score	Possible Points	Comments on Score
<u>Qualifications</u>	15	15	Qualified team Wright Water has done work for Paonia before
<u>Demonstrated ability working on water-related issues with similar governmental entities</u>	10	10	Has worked with the town other projects
<u>Firm's workload and availability</u>	10	10	Large enough team to complete task
<u>Familiarity with water issues on the Western Slope</u>	23	25	Have done work for the town. I havent worked with them but feel they understand the challenges of the project
<u>Credentials of the firm's project team numbers</u>	10	10	They have worked with the town on projects
<u>Detailed schedule for completing field work and developing the study</u>	10	10	Schedule and graphs look complete
<u>Cost</u>	4	5	Complete cost and budget graph
<u>Thoroughness and Completedness of Proposal</u>	15	15	Complete and detailed proposal

TOTAL 97

Wright Water has worked with the town in the past. Their team should be more than capable of completing the project.

Project Name: Hydrogeological Study
Contractor:**RFQ 2023-03 HYDROGEOLOGICAL STUDY**

Evaluation Criteria	Score	Possible Points	Comments on Score
<u>Qualifications</u>	15	15	Qualified team Wright Water has done work for Paonia before
<u>Demonstrated ability working on water-related issues with similar governmental entities</u>	10	10	Has worked with the town other projects
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<u>Credentials of the firm's project team numbers</u>	10	10	They have worked with the town on projects
<u>Detailed schedule for completing field work and developing the study</u>	10	10	Schedule and graphs look complete
<u>Cost</u>	4	5	Complete cost and budget graph
<u>Thoroughness and Completedness of Proposal</u>	15	15	Complete and detailed proposal

TOTAL 97

Wright Water has worked with the town in the past. Their team should be more than capable of completing the project.

HYDROGEOLOGICAL STUDY FOR TOWN OF PAONIA, COLORADO

Statement of Qualifications

Wright Water Engineers, Inc.
Marshall Haworth, Project Manager
2490 W. 26th Ave., Ste. 100A
Denver, CO 80211
(303) 480-1700
mhaworth@wrightwater.com

December 7, 2023



Via Email: StefenW@TownofPaonia.com

Stefen Wynn, Town Administrator, Town of Paonia
214 Grand Ave.
Paonia, CO 81428

Re: Statement of Qualifications for Hydrogeological Study for Town of Paonia

Dear Mr. Wynn:

Wright Water Engineers, Inc. (WWE) is pleased to submit this statement of qualifications (SOQ) to the Town of Paonia to perform a hydrogeological study related to the Town of Paonia's complex network of groundwater springs. It is WWE's understanding that the Town is currently developing a 20-year Capital Improvement Plan and is moving forward on multiple fronts simultaneously to address water system losses, plan replacement of aging infrastructure, and draft a Spring Redevelopment Plan (SRP) that relies on a hydrogeological evaluation to increase the raw water supply collection, improve raw water storage capabilities, identify source water protection areas, and implement a hydrogeological model to improve watershed resiliency.

A May 2021 preliminary water system evaluation conducted by RESPEC (previously known as JDS-HYDRO), suggested that optimization of the springs system, including source water protection, raw water capture, and transmission to the water treatment facilities, would help address the issue of raw water storage. Further concerns are potential impacts of drought, future land uses, wildfire, and climate change that could degrade the yield and quality of the raw water supply from the spring systems. Since March 2023, WWE has been providing *pro bono* evaluation and guidance to the Town and working with RESPEC engineering to develop a hydrogeological analysis of the springs.

Our team members are outstanding experts in the precise areas of discipline required for this study: Gary Witt, Senior Hydrogeologist specializing in water resources project with an emphasis on geology, water rights, and water quality; Tom Dwyer, P.G., Senior Geophysicist, Geologist, and groundwater modeler with 38 years of experience; Dr. Alex Maestre, P.E., a former Senior Water Modeler for the National Oceanic and Atmospheric Administration (NOAA); Dr. Robert Holmes, P.E., an Adjunct Senior Hydrologist with 36 years of experience as a United States Geological Survey (USGS) hydrology expert; Jonathan Kelly, P.E., and Rachel Pittinger, P.E., are leading experts in water rights on the Western Slope and Colorado at large.

As WWE's senior hydrogeologist and anticipated project manager for the Town, I will lead this assignment by maintaining excellent communication with the Town, RESPEC, and WWE staff throughout project tasks and completing the project within the anticipated schedule and budget. I have over ten years of experience working on and managing water resource engineering projects specifically in the fields of hydrology, hydrogeology, water rights, and water quality. WWE's staff are highly experienced and eager to help the Town solve its complex water supply challenges. We believe our understanding of this project and the breadth and depth of staff qualifications makes us the ideal firm to conduct this important study. Thank you for considering WWE.

Sincerely,

WRIGHT WATER ENGINEERS, INC.

By 

Marshall Haworth

Senior Hydrogeologist and Project Manager

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FIRM QUALIFICATIONS AND EXPERIENCE

ABOUT THE FIRM

Wright Water Engineers, Inc. (WWE) is an employee-owned and operated, full-service water resource, environmental, and civil engineering firm with offices in Denver, Glenwood Springs, and Durango, Colorado. The corporation was founded in 1961 and has a staff of approximately 48 people who work as senior level engineers, hydrologists, geologists, hydrogeologists, scientists, biologists, and chemists. WWE has 21 staff members who have been with the firm 15 years or longer, combining detailed planning with excellent customer service and project management. WWE is a water resources consulting firm that has been performing geological, hydrological, water rights, and water resources studies for municipalities and counties across the Western Slope of Colorado since 1961. During this time, WWE has established itself as the premier water resources engineering firm for innovative research and problem-solving.

WWE has strong experience working with and for the Colorado Water Conservation Board (CWCB). WWE has developed Water Efficiency Plans and Water Conservation Plans, performed design and construction of channels, and delineated floodplains for CWCB grants since the 1970s. Furthermore, team member Rachel Pittinger is a former CWCB project manager and is expert in CWCB policies and practices.

This hydrogeological study will be conducted by staff from both our Denver and Glenwood Springs offices and managed by Marshall Haworth, who is based in Denver. WWE is well qualified to perform a hydrogeological study for the Town of Paonia because of the firm’s in-depth experience with groundwater and water resources planning and management, water rights, and water supply infrastructure. WWE has extensive experience in conducting large, complex, water resources projects with multiple stakeholders. The WWE team is proficient in water resources planning, groundwater resource development, and hydrogeologic modeling in the region and in other over-appropriated basins.

ABOUT OUR STAFF

WWE’s team members are outstanding experts in the precise areas of discipline required for this study. The roles of this multidisciplinary team of professional engineers and geologists who have extensive experience in the fields of hydrogeology, geophysics, hydrologic modeling, water rights, and wildfire hydrology, are shown on Figure 1. Brief qualifications of the project team members who would be tasked with helping solve Paonia’s water supply challenges are provided below, with resumes available in Attachment A.

- **Marshall Haworth** has 10 years of project management experience in hydrogeological investigations, water rights, water quality, well construction, and design. Marshall is deeply familiar with the water supply issues faced by the Town of Paonia.
- **Thomas Dwyer, P.G.** is a senior adjunct geologist with over 30 years of experience in geophysics for the purpose of characterizing the subsurface flow of water through fractured bedrock and groundwater modeling to help solve complex groundwater problems.
- **Dr. Bob Holmes, P.E.** is a senior adjunct engineer and former Chief Engineer for the USGS. Additionally, he holds an academic appointment as an Adjunct Professor of Civil Engineering at the Missouri University of Science and Technology. Dr. Holmes’ expertise includes scientific

Qualifications for Hydrogeological Study for Town of Paonia

investigations in the areas of open-channel hydraulics, erosion, sedimentation, and geomorphology.

- **Jonathan Kelly, P.E.** is the Vice President of our Glenwood Springs office and has 38 years of experience in water resources engineering. Jonathan has represented the West Elk Mine with water rights engineering and is a highly respected Western Slope water resources engineer.
- **Dr. Alex Maestre, Ph.D., P.E.** is a senior water resources engineer with more than 20 years of experience in hydrologic, hydraulic, and post-fire modeling (including computer coding to quickly process data), calibration, and verification of continental watershed models throughout the United States.
- **Rachel Pittinger, P.E.** is a senior water resources engineer with over 23 years of water resource engineering experience including a recent five years working for the CWCB as a Project Manager, successfully leading construction, and water rights projects under the CWCB funding programs.
- **Claire Vavrus, E.I.T.** is a staff water resources engineer with two years of experience in the fields of hydrogeology, water rights, and post-wildfire hydrology. Claire will be providing project support in data acquisition, data processing, fieldwork, mapping, and report preparation.
- **Gary Witt, P.G.** is a senior geologist and hydrogeologist who has worked extensively on the Western Slope with geologic and water resource evaluations for over 30 years and will be providing geological assessment, delineation, and senior project review.

Resumes for these personnel are provided in Attachment A.

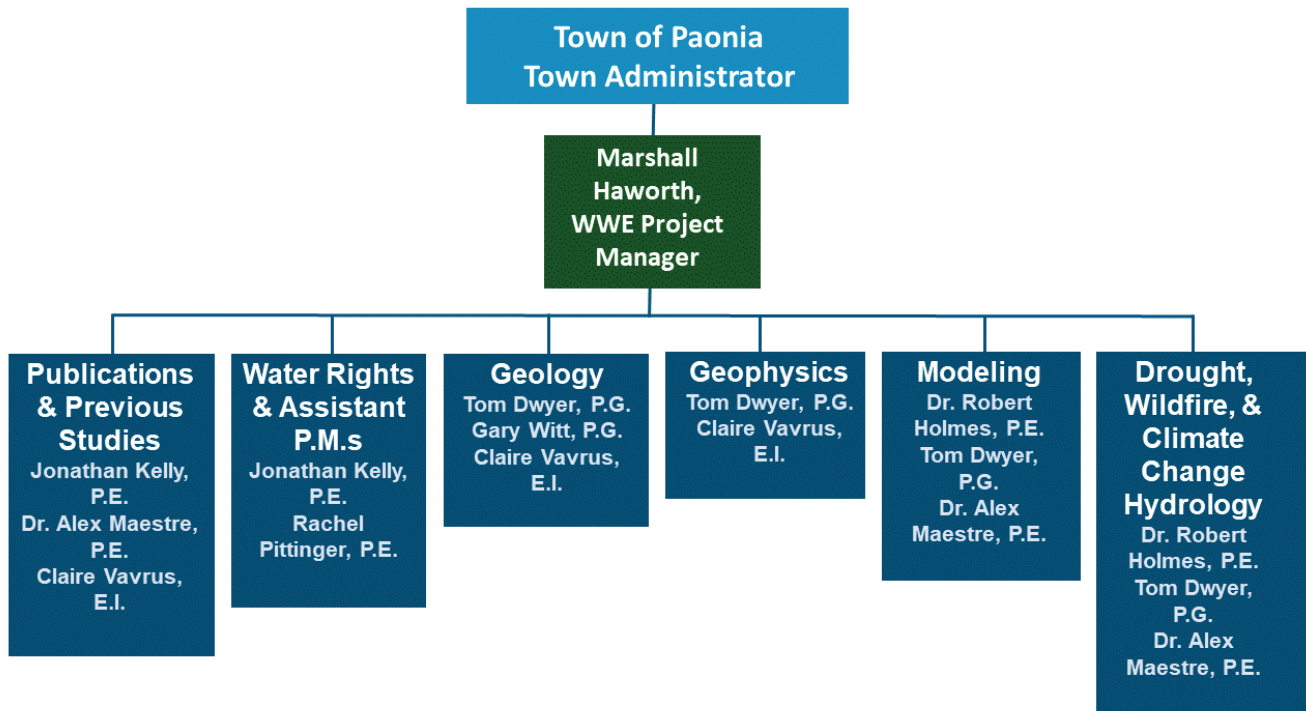


Figure 1. Organizational Chart for Hydrogeological Study for Town of Paonia

RELEVANT PROJECTS

Some relevant projects of WWE's include:

- Mountain Coal Company Hydrogeologic Analysis
- City of Ouray Hot Springs Pool
- Heeney Water District Spring Evaluation
- Trimble Hot Springs Aquifer Monitoring
- Security Water and Sanitation District Recharge Study
- Chucharas Water and Sanitation District Geophysical Assessment
- Town of Buena Vista Water Resources Master Plan
- Town of Buena Vista Rate Study
- Mt. Werner Water and Sanitation District Water Rights
- Flattops Water Company Water Rights and Supply Study
- Adams Rib Ranch Water Rights and Supply Study
- River Run Ranch RV Resort Water Rights and Supply Study
- Town of Crested Butte South Water Efficiency Plan
- City of Alamosa Water Efficiency Plan
- Ute Mountain Ute Tribe Water Conservation and Management Plan
- Upper Uncompahgre Basin Water Supply Protection & Enhancement Project
- Tri-County Water Conservancy District Water Efficiency Plan

DETAILED PROJECT APPROACH AND SCHEDULE

WWE anticipates this work to be a multiphase project working closely with RESPEC engineering and Paonia water operations staff. The tasks identified below as Tasks 1 through 9 are considered Phase 1. It is WWE’s understanding that Phase 2 and Phase 3, including the tasks, schedule, and budget, have not been defined because they will be highly dependent on the results of Phase 1. Preliminary discussions with key personnel have helped WWE to develop a critical understanding of the complexity of the water supply challenges Paonia has experienced and the vulnerability of the source water supply to drought, land use considerations, climate change, and wildfire. WWE understands Paonia water rights include 13 spring collection units, over 20 miles of raw water supply pipelines, one reservoir and dam, two water treatment facilities, and three water storage tanks (Figure 1).

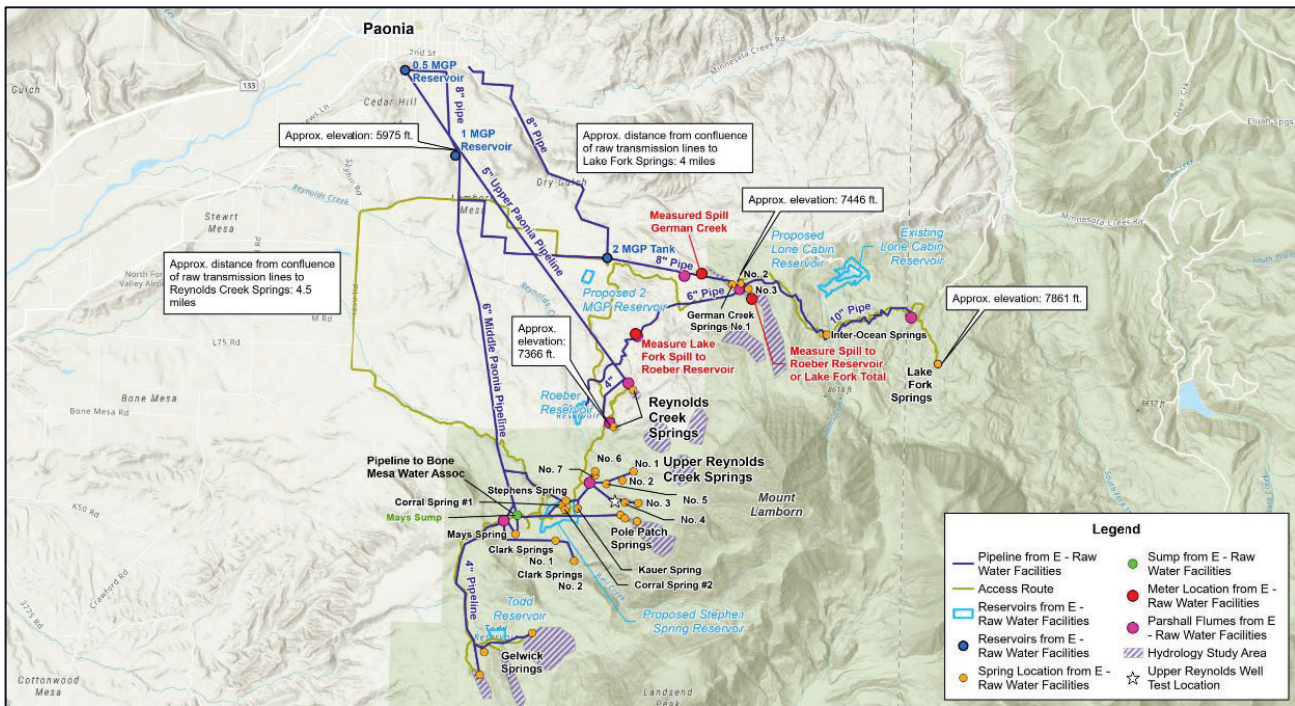


Figure 2. Town of Paonia Spring Systems Overview Map

The springs systems are unique because the water supply is derived from groundwater recharge from snowpack and precipitation. The spring systems are within the Mount Lamborn and Landsend Peak basins. The raw water supply is transmitted through talus and rock glacier deposits and, due to the underlying impermeable Mancos Shale, the springs surface at locations where the Town has historically collected the raw water supply. During certain times of the year, the flow exceeds the spring collection box capacity and results in “spilled” water while at other times of the year, the spring flow diminishes and impacts the raw water supply.

The intent of the hydrogeological investigation is to specifically identify the location and spatial extent of the springs’ flow paths to identify where infrastructure improvements can be implemented. This data will be important to characterize the subsurface geologic fractures and provide insight on structural design considerations. Additionally, stakeholders can use this data to develop a better understanding of additional water supply challenges Paonia may face due to climate change and the potential consequences of wildfire. WWE proposes the highest priority springs for investigation are the Lake Fork, German Creek, and Reynolds spring systems.

Qualifications for Hydrogeological Study for Town of Paonia

All the spring systems will be included in a hydrologic modeling task. However, the geologic survey, geophysics, and implementation of spring systems monitoring is highly dependent on the efficiency and success of the field work. This is due to the possibility that the spring systems are highly complex and require additional time and budgetary resources to provide useful results. As an example, WWE has provided Figure 3, below, to illustrate the Reynolds Spring system overlaying a USGS geological background map. The Reynolds Spring complex covers substantial land area and access is anticipated to be difficult. It is WWE’s understanding that prioritizing Lake Fork, German Creek, and Reynolds Springs for the field work is acceptable to the Town and RESPEC to adequately meet the project schedule and budget.

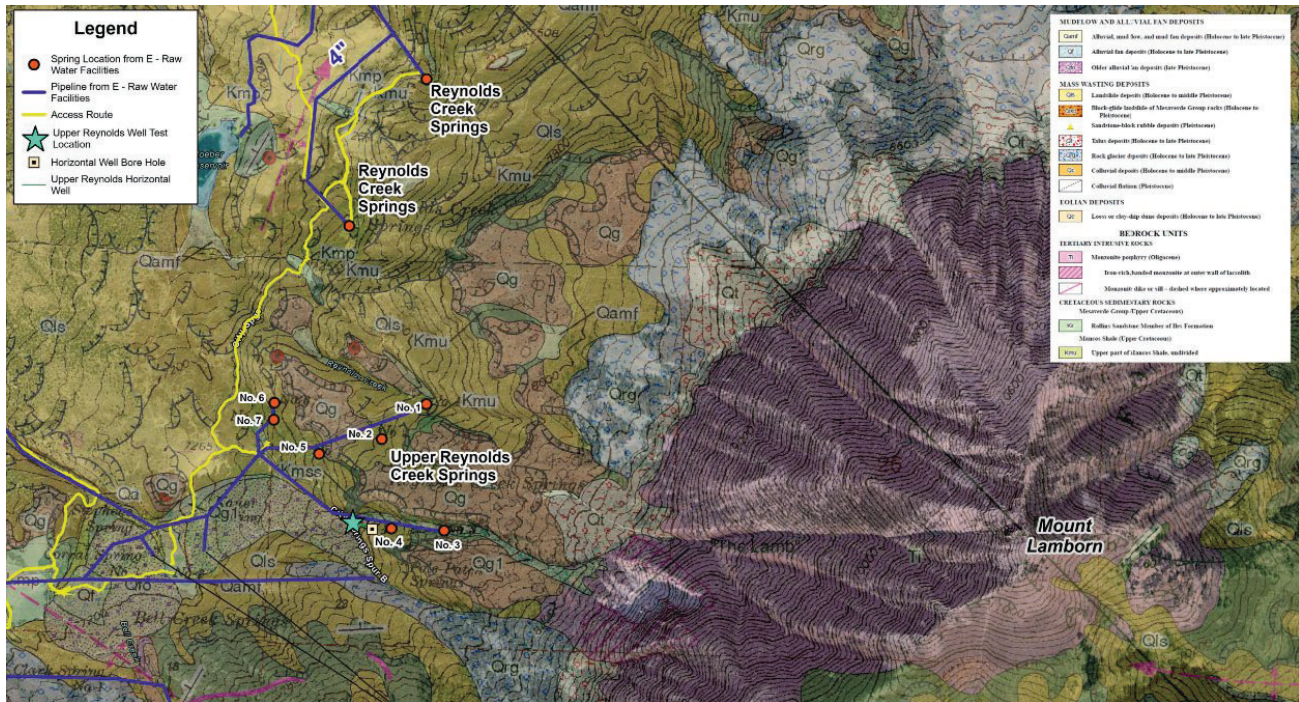


Figure 3. USGS Geologic Map of the Reynolds Spring System

WWE’s proposed methodology to evaluate the hydrology and hydrogeology of the basin would be to:

- Review previous work and publications,
- Process existing climatic and hydrologic data,
- Perform field work to delineate geologic features and geophysics to delineate the subsurface flow system,
- Implement a spring monitoring program using modern data collection, and
- Develop basin-specific hydrologic models (depending on data availability) to help forecast raw water availability and subsurface flow system timing.

This investigation would help the Town’s water department staff develop a better understanding of how to manage the raw water resources and anticipate reduced flows from the springs.

TASK 1 – REVIEW AND EVALUATE PUBLICATIONS AND AVAILABLE DATA

1.1 Previous Paonia Studies

WWE would start by reviewing previous studies in greater detail including:

- The Minion Hydrologic report dated December 1994,
- *Town of Paonia Initial Water Rights Analysis Report*; Consolidated Consulting Services report dated July 1995,
- *Town of Paonia Reconnaissance Assessment Raw Water Supply*; GEI Consultants, Inc. report dated April 2000,
- *Comprehensive Water Supply Study for the Town of Paonia*; W.W. Wheeler and Associates, Inc. report dated February 2004,
- *Final Feasibility Report for Improving the Water Supply System of the Town of Paonia*; Directed Technologies Drilling, Inc. proposal dated May 2010,
- *Proposal for Installation of One Blind Horizontal Well Paonia Public Works Paonia, Colorado* and the relevant progress letter report dated October 2010,
- Colorado Rural Water Association report dated August 2010,
- *The Town of Paonia Source Water Protection Plan*, and
- The JDS-Hydro (RESPEC) report dated May 2021, *Town of Paonia Water System Evaluation*.

Based upon a brief review of these documents, there appears to be substantial and valuable existing work completed by others to help direct the future work of the hydrogeologic analysis. These reports cover a wide range of topics and will help establish a knowledge baseline for these complex spring systems and provide valuable lessons learned to support long-term water supply improvement projects success for Paonia.

1.2 Relevant Publications

WWE will also compile relevant publications to provide preliminary guidance for field investigations. These relevant publications are possibly available through the USGS, U.S. Forest Service, NOAA, Natural Resources Conservation Service, Colorado Geological Survey, and Colorado Division of Water Resources (DWR).

1.3 Climate

WWE will process available climate data to help calibrate the hydrologic model. Preliminary discussions with key staff have indicated new weather station(s) located within the basins would be helpful to derive accurate temperature, precipitation, and wind speed and direction data, as the currently existing weather stations are not representative of the hydrological conditions at the spring systems' recharge areas due to the distance and difference in elevation (Figure 4). WWE agrees with this opinion and would work with Town staff and RESPEC engineering to achieve this goal of implementation of new weather station(s). The implementation of weather station data is an important step in understanding the potential impacts of climate change on the spring systems. When additional weather data become available, WWE can refine the results to provide a more representative quantification of the watershed climate.

1.4 Streamflow

Available streamflow data would be collected and analyzed to help calibrate the basin-wide hydrologic model. Surface water flow data have greater availability and are generally more easily quantified than groundwater flow data. The hydrologic model would help characterize the relationship between surface and groundwater flow conditions. Currently, there are three streamflow gauges on the North Fork of the Gunnison River (Figure 4). There are several tributaries that would be included in the

Qualifications for Hydrogeological Study for Town of Paonia

hydrologic model and a statistical relationship could be developed between streamflow on the North Fork of the Gunnison River, the tributaries, and the spring systems flow depending on spatial and temporal variability.

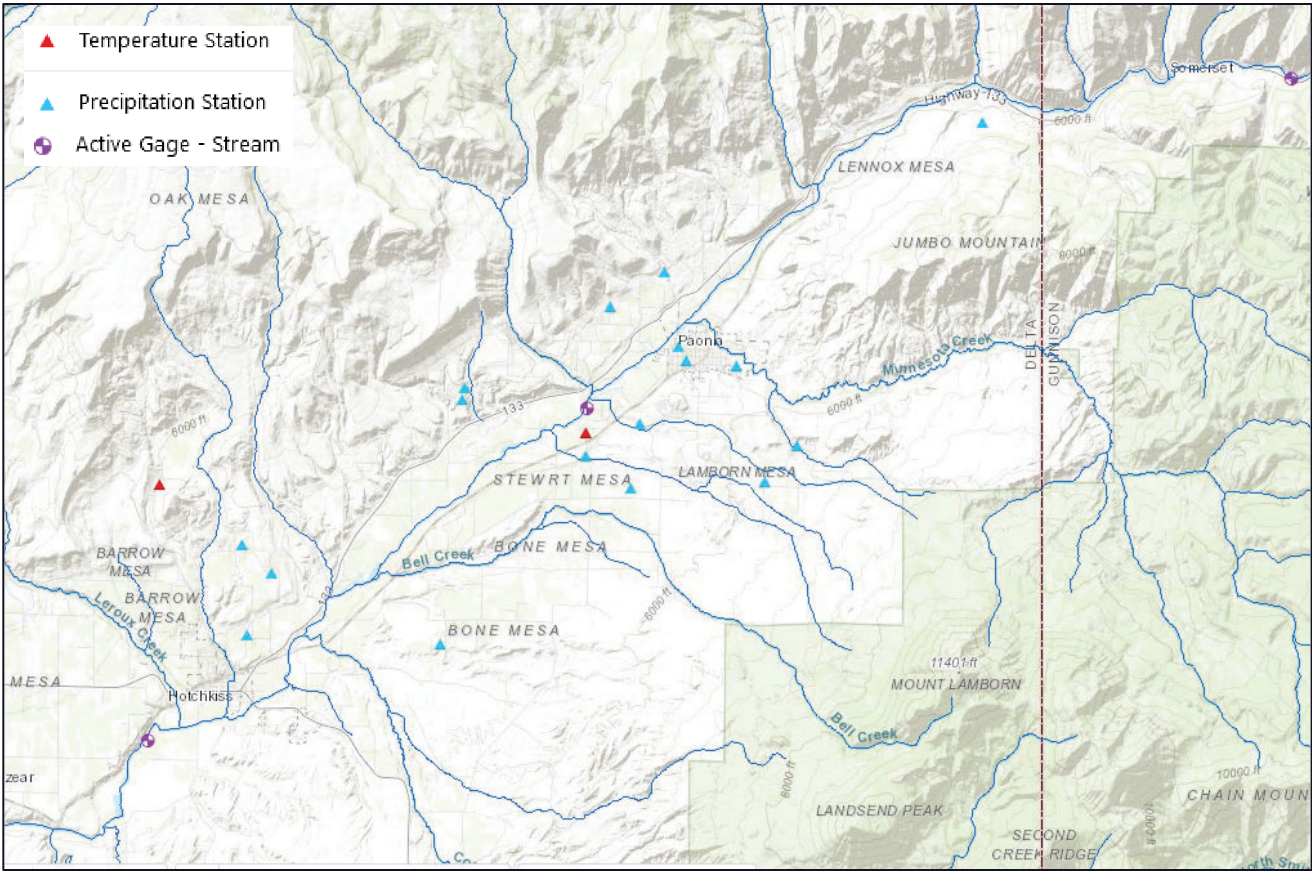


Figure 4. Climate and Streamflow Data According to the DWR Colorado Decision Support System

TASK 2 – FIELD WORK FOR GEOLOGICAL DELINEATION AND ASSESSMENT

2.1 Geophysical Survey

WWE proposes to perform a reconnaissance surface geophysical survey using the very-low-frequency (VLF) electromagnetics method. This survey involves using a hand-held instrument to measure the VLF signal emanating from U.S. Navy transmitting stations in North America. Measurements are made along multiple traverses across the site that are oriented relative to the VLF signal directions. Water-bearing fracture zones create secondary anomalies in the VLF signal, which are then plotted on the map of the site. Where these anomalies can be correlated across multiple traverses, potential water-bearing fracture zones or other zones of preferred groundwater flow can be interpreted. This can be an effective way to quickly scan large portions of the site to develop an initial conceptual model of the spring systems. Based on the results of the VLF survey, we will determine locations for more detailed geophysical evaluation using the two-dimensional resistivity (2DR) geophysical method. By performing the VLF survey first, the 2DR effort can be made substantially more efficient.

Potential water-bearing fracture zones and other zones of preferred groundwater flow identified by the VLF survey will be investigated in more detail using the two-dimensional-resistivity (2DR) surface geophysical method. The 2DR method involves installing a series of shallow electrodes in the ground along a straight line (typically 900 to 1,400 feet long) and using a computer system to perform hundreds of resistivity measurements, which are then processed to obtain a virtual resistivity profile through the earth. Depth of resolution of the profile is up to approximately 300 feet. Water-bearing fracture zones and water-bearing sediments are identified as low-resistivity features bounded by higher-resistivity bedrock. Springs are often found to be associated with such features, but the spring locations do not always correlate to the locations with the greatest water supply potential. The 2DR profile reveals details that allow for visualization of the subsurface flow system and that cannot be obtained by any other method. While the 2DR survey is more time-intensive than the VLF survey, the resolution and detail of the 2DR survey allows much better characterization of the subsurface flow system, leading to better decision-making regarding development and management of the groundwater resources.

2.2 Spring Systems Delineation

The spring systems would be delineated during the field work phase by utilizing a high-accuracy Trimble GPS with sub-foot horizontal accuracy and approximately three-foot vertical accuracy. The spring systems delineation would identify the location and extent of the spring systems. The VLF and 2DR geophysics would also be collected with the high-accuracy Global Positioning System (GPS) unit including the starting and ending transect lines and would provide accurate results for SRD project phases. The spring systems delineation data would include the coordinates, short description, and photo, which will be uploaded to ESRI ArcGIS Pro software for maps and model input file generation.

2.3 Watershed and Source Area Delineation

To delineate the source area, a DJI Mavic 3 Enterprise drone will be employed, following a predetermined flight path guided by an established network of ground control points. This drone will capture high-resolution aerial imagery in areas that are difficult or possibly inaccessible by conventional means. This innovative technology has been widely adopted in water resources, geologic, and wildfire engineering work, revolutionizing the efficiency and quality of survey-related work products. The high-resolution aerial imagery will be evaluated alongside the geologic field survey and correlated with previous geologic mapping publications.

TASK 3 – HYDROLOGICAL MODELING

3.1 Hydrologic Model

WWE proposes the development of an uncalibrated, simple hydrologic model to better understand the reliability of the raw water supply contributions from each of the springs and reservoirs of the Paonia Water System (upper and lower collections). The model will process historical records of precipitation, snow depth, snow water equivalent, and other parameters available from state and federal agencies including CWCB/Department of Water Resources, USGS, and NOAA. The model will be executed in combination with computer routines for the generation of multiple scenarios that evaluate the effects of failures, droughts, changes in land use, wildfires, and climate change. WWE will explore the possibility of using data from the recording units located in collection boxes and available Parshall flume records.

3.2 Groundwater Model

Depending on the findings identified in Task 2 and the results of the hydrologic model, WWE could evaluate whether a groundwater model should be developed to help characterize and quantify the subsurface groundwater flows. The groundwater model would be a three-dimensional and finite-difference model developed by the USGS, known as MODFLOW. MODFLOW has been a well-accepted standard for groundwater modeling for over 35 years. The appropriateness of the groundwater

model is highly dependent on the input data including monitoring the spring systems flow, assessing geologic boundary conditions, and the ease of characterization of the geologic subsurface through geophysical methods.

TASK 4 – DEVELOP SPRING MONITORING PROGRAM

4.1 Spring Systems Monitoring

WWE proposes to work with RESPEC to develop a spring systems monitoring plan. The spring systems monitoring plan would review existing infrastructure; provide recommendations on measurement and recording equipment, field accuracy, and calibration procedures; and possibly allow us to implement remote telemetry because of the anticipated difficulty in accessing remote spring systems locations. The plan would also provide anticipated costs for equipment purchase by the Town. It is also assumed that the equipment and installation of additional weather station(s) could possibly occur through cooperative efforts with governmental entities or various stakeholders or purchased through additional grant funding.

TASK 5 – PROCESS MONITORING DATA

The spring systems monitoring program would continuously measure and record the flows and possibly water quality parameters to understand spatial and temporal changes to the springs. The data would need to be efficiently processed through computer coding to develop statistical computations and process sizable data acquisition in an efficient manner. WWE would perform the coding and processing of the monitoring datasets for efficient analysis and production of report-quality contents.

TASK 6 – EVALUATE AND REFINE OBJECTIVES

Based on WWE’s experience with projects involving hydrogeologic field work to develop and implement monitoring programs, questions frequently arise on the preliminary results and the reasonableness of the data collected. WWE will discuss these questions and observations with the Town and RESPEC as they arise. In addition, it has been our experience that as projects unfold, there frequently is the need to make refinements to the program methodologies. These refinements are often performed to account for unforeseen circumstances, modify the spatial and temporal nature of sampling, add or subtract tests, modify locations, or for other reasons. At this time, the Task 2 objectives will be evaluated to determine whether the data being gathered are valuable to the hydrogeologic objectives.

TASK 7 – COOPERATIVE MEETINGS TO IDENTIFY SPRING IMPROVEMENTS

WWE would participate in stakeholder meetings related to the preliminary findings, spring monitoring program, quantitative results, and identification of objectives for the SRP, either in person or using video conference calls. As an example, receiving input from the Town’s water staff is valuable because their firsthand and extensive knowledge of the area and the spring systems should inform the hydrogeological study processes. WWE believes the hydrogeological study is an important piece of information that will help define the design considerations of the SRP and is critical for the success of the Capital Improvement Plan.

TASK 8 – REPORT, CONCLUSIONS, AND RECOMMENDATIONS

The deliverable report to the Town’s Board of Trustees and CWCB will identify the delineated recharge areas and geological survey, graphical plots of the subsurface VLF and 2DR geophysics investigation, and interpretation of this geophysical data. This report would increase the understanding of the spring systems flow dynamics including firm and uncaptured yields, definition of the flow path through fractured

rock, and estimation of the timing of the spring systems flows. WWE would explore methods to increase the water storage capacity within the fractured bedrock aquifers and the results of this investigation would help identify where the SRP could be implemented. The SRP will rely on the results of this investigation including the specific spring systems and the implementation of the strategies to redevelop the spring systems.

TASK 9 – PROJECT MANAGEMENT

Project management would be facilitated by some of WWE’s most senior and experienced staff members. Marshal Haworth would be the lead project manager handling day-to-day project operations including coordination with Town staff and RESPEC engineering, refining project scope depending on challenges or when new important data and information become available, assigning tasks to WWE staff members, and managing the budget weekly. Jonathan Kelly and Rachel Pittinger would operate as assistant project managers because of their vast experience with Western Slope water resources and management of CWCB grant-funded projects.

The quality of work, positive teamwork environment, and solution-oriented staff at WWE is first class. We are able to achieve these results because WWE is a small engineering firm of fewer than 50 people qualified with multidisciplinary high-end talent, years of experience, and strong ties to the water resources of Colorado’s Western Slope. WWE appreciates the opportunity to submit our detailed project schedule, a list of relevant projects with references, the detailed not-to-exceed budget consistent with CWCB grant funding, and Marshall Haworth’s signature on behalf of WWE.

DETAILED PROJECT SCHEDULE

A detailed Project Schedule is provided in Table 1 on the following page. A detailed Fee Estimate is provided at the end of this SOQ



Table 1. Anticipated Schedule for Phase 1 of the Hydrogeological Study

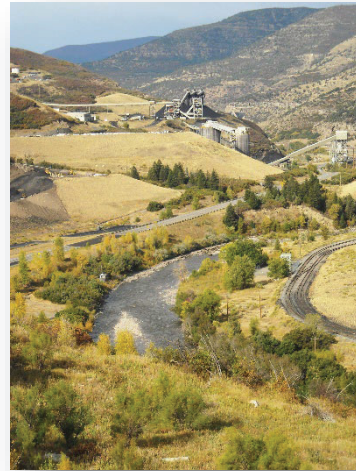
Task	Jan-24	Feb-24	Mar-24	Apr-24	May-24	Jun-24	Jul-24	Aug-24	Sep-24	Oct-24
Task 1 - Review and Evaluation										
Review and Evaluate Publications and Available Data										
Task 2 - Geological Assessment and Delineation Field Assessment										
Perform Geologic & Geophysical Surveys										
Shallow Monitoring Well and Pressure Transducer Installation										
Process Geophysical Survey and Monitoring Data										
Task 3 - Hydrologic Modeling										
Hydrologic Modeling										
Task 4 - Monitoring Program Development										
Develop Spring Monitoring Program										
Task 5 - Monitoring Program Processing										
Process Monitoring Data										
Task 6 - Objectives										
Evaluate and Refine Objectives from Assessment										
Task 7 - Spring Improvement Meetings										
Cooperative Meetings to Identify Spring Improvements										
Task 8 - Prepare Hydrogeological Study Report										
Report, Conclusions, and Recommendations										
Task 9 - Project Management										
Project Management Reporting, Invoicing, Coordination										

REFERENCES

Descriptions and references follow on three of our team’s relevant projects. All the entities described below are long-term clients for which WWE continues to provide services.

MOUNTAIN COAL COMPANY HYDROGEOLOGIC ANALYSIS

WWE has provided services to Mountain Coal Company at its West Elk Mine near Paonia since 1983. WWE has performed hydrogeological and subsurface evaluations for the mine for both water rights and mine inflow abatement purposes. For example, WWE performed non-tributary fault and spring analyses to determine the source of groundwater flows into subsurface vaults and developed alternatives for in-mine water management. WWE also implemented a seep monitoring program to quantify this groundwater.



Other WWE services to the mine have included annual hydrology reports, biannual subsidence reports, water rights services such as augmentation planning and administration, wetland delineation and permitting, and general water resources engineering and consulting.

Reference: Chase Hyatt | Environmental Manager | (970) 929-5225 | chyatt@archcoal.com

Through these activities, WWE has developed a strong understanding of the geology and hydrogeology of the region.

WWE personnel who have worked on this project include Jonathan Kelly, Gary Witt, Marshall Haworth, and Rachel Pittinger.

EASTERN ADAMS COUNTY METROPOLITAN DISTRICT GROUNDWATER SUPPLY



WWE has been working with the Eastern Adams County Metropolitan District (EACMD) to develop a groundwater supply for their residential developments near Strasburg, Colorado, since 1999. WWE has been involved in quantifying the Denver Basin groundwater underlying the property and assisting EACMD in obtaining approval of the use of that water for its domestic water supply needs.

WWE’s services have included design, testing, and implementation of three Arapahoe Aquifer wells as the principal water supply for the system. In addition, WWE has assisted in obtaining a replacement plan to use an alluvial water supply well as a

Reference: Mike Serra III | Paul’s Development East | (303) 371-9000 | mikes@paulscorp.com

Qualifications for Hydrogeological Study for Town of Paonia

high-yield peaking supply with replacement credits provided by discharges from the regional wastewater treatment facility. WWE’s involvement has included assisting EACMD with the evaluation of groundwater quality and appropriate treatment requirements.

WWE also performed Denver basin wellfield development including well drilling oversight, geophysical log interpretation, well design and completion, and aquifer test analyses. WWE provided guidance for well rehabilitation and supported an investigation of defective work. WWE also performed groundwater modeling to evaluate potential well yields to meet water demands and aquifer groundwater modeling of the wellfield to estimate long-term production.

WWE personnel who have worked on this project include Gary Witt, Marshall Haworth, and Claire Vavrus.

BUENA VISTA MASTER PLAN AND RATE STUDY



WWE has assisted the Town of Buena Vista with its water resources planning and management since the 1980s. In 2021 and 2022, WWE assisted the Town with its water resources planning by developing a Water Resources Master Plan and conducting a Rate Study. The Town of Buena Vista has a strong portfolio of water rights with appropriation dates in the mid-1860s and other senior rights. Nonetheless, the Town continues to remain diligent in planning for drought conditions and growth impacts on the community. The Water Resources Master Plan provided a baseline for a subsequent Rate Study, both of which are aimed at keeping the Town well prepared for the future. Both work products were presented to and approved by the Town’s Board of Trustees.

The Master Plan focused on the water resources of the Town with a primary goal of identifying the amount of water the Town’s current water rights portfolio can legally and reliably supply and to provide recommendations on how to manage and enhance the

water resources portfolio to meet the Town’s short- and long-term planning projections and goals. The scope of work included gathering data, compiling historic demographic information around population and single-family equivalent (SFE) data, summarizing water demand over the past decade, outlining the average-year and dry-year yields of the Town’s current water rights, determining the maximum number of SFEs that can be served with the current water rights portfolio and potential timing based on various growth projections, and reviewing existing and proposed infrastructure capacity and constraints. Ultimately, WWE provided recommendations on how the Town can better meet future water demand with consideration of infrastructure based on current growth projections.

Buena Vista
Reference: Shawn Williams | Public Works Director | (719) 581-1049 | bvpwdir@buenavistaco.gov

WWE personnel who have worked on Town of Buena Vista projects include Rachel Pittinger, Gary Witt, Marshall Haworth, and Claire Vavrus.

BUENA VISTA WELL NOS. 3 AND 4 – PLANNING, DEVELOPMENT, AND CONSTRUCTION

In 2020, WWE began working with the Town of Buena Vista on the development of Well No. 3. WWE provided engineering services to the Town for design and construction of this Arkansas River alluvial aquifer well, pumped for irrigation and municipal use within the Town. This well has the most impact in the southeastern part of the Town. The additional water supply source is located within the Town’s lower zone and will help address future water demand. Additionally, WWE identified the need for Well No. 4 planning, development, and construction. Planning and water efficiency is part of the Town’s approach for wells development.





Qualifications for Hydrogeological Study for Town of Paonia

TOTAL ESTIMATED, NOT-TO-EXCEED COST

TOWN OF PAONIA HYDROGEOLOGICAL STUDY		WWE						Sub Total Cost
		C.Vavrus	A.Maestre	M.Haworth	T.Dwyer/G.Witt	J.Kelly/R.Pittinger	B.Holmes	
		Project Engineer	Senior Project Engineer	Project Manager	Principal Senior Consultant	Senior Water Resources	Senior Modeler Senior Principal	
		\$142	\$172	\$185	\$250	\$250	\$262	
Phase 1 - Hydrogeologic Engineering and Data								
Task 1.1	Review and Evaluation	16	8	16	8	8	4	\$11,656
	Review and Evaluate Publications and Available Data	16	8	16	8	8	4	
Task 1.2	Geological Assessment and Delineation Field Assessment	92	0	84	136	0	0	\$62,604
	Perform Geologic & Geophysical Surveys	60	0	60	120	0	0	
	Shallow Monitoring Well and Pressure Transducer Installation	16	0	16	0	0	0	
	Process Geophysical Survey and Monitoring Data	16	0	8	16	0	0	
Task 1.3	Hydrologic Modeling	16	80	8	0	0	16	\$21,704
	Hydrologic Modeling	16	80	8	0	0	16	
Task 1.4	Monitoring Program Development	16	0	24	8	0	8	\$10,808
	Develop Spring Monitoring Program	16	0	24	8	0	8	
Task 1.5	Monitoring Program Processing	16	20	8	0	0	0	\$7,192
	Process Monitoring Program	16	20	8	0	0	0	
Task 1.6	Objectives	0	4	16	16	4	4	\$9,696
	Evaluate and Refine Objectives from Assessments	0	4	16	16	4	4	
Task 1.7	Spring Improvement Meetings	4	2	8	6	4	0	\$4,892
	Cooperative Meetings to Identify Spring Improvements	4	2	8	6	4	0	
Task 1.8	Prepare Hydrogeological Study Report	40	16	40	16	16	8	\$25,928
	Prepare Report, Conclusions, and Recommendations	40	16	40	16	16	8	
Task 1.9	Project Management	0	0	16	0	8	0	\$4,960
	Project Management Reporting, Invoicing, Coordination	0	0	16	0	8	0	
Hour Subtotals		200	130	220	190	40	40	820
Labor Subtotals		\$28,400	\$22,360	\$40,700	\$47,500	\$10,000	\$10,480	\$159,440
Materials Subtotals								
Survey and Field Materials								\$13,800
Shallow Monitoring Well Installation and Pressure Transducer Installation								\$7,540
Aerial Survey								\$1,250
Direct Costs (10%)								\$15,944
TOTAL								\$197,974

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ATTACHMENT A

Team Member Resumes

Experience Overview

Hydrogeologist and Water Resources Engineer with multidisciplinary experience primarily focusing on water rights, hydrogeology, groundwater well design, and water quality. Water rights engineering experience includes the preparation and review of engineering reports and decrees to support application and objection water court cases, augmentation plans, substitute water supply plans, historical consumptive use analysis, and water rights accounting. Highly skilled in groundwater well projects including preparing well drilling proposals and driller bid documentation, geologic logging, and well completion oversight, well field design, geophysical log interpretation, well integrity and rehabilitation evaluation, aquifer testing, pumping system design, groundwater modeling, and dewatering and injection systems. Extensive experience with surface water and groundwater interactions including nontributary determinations, aquifer depletion and recharge analyses, and aquifer recharge and recovery. Experienced in water quality including sampling, development of monitoring plans, evaluation of water quality for intended uses, and environmental contamination investigations, and groundwater remediation.



- Relevant Credentials/
 Specialties**
- ❖ Water Rights
 - ❖ Hydrogeology
 - ❖ Hydrology
 - ❖ Well Construction, Design, and Rehabilitation
 - ❖ Water Quality
 - ❖ Site Investigations
 - ❖ Expert Testimony
 - ❖ Site Investigations

Education

- B.S., Watershed Science, Colorado State University

Registrations/Affiliations

- American Water Resources Association – Colorado Section
- Colorado Ground Water Association

Water Rights/Hydrogeology/Water Quality

Eastern Adams County Metropolitan District, Strasburg, Colorado. Provided water rights engineering support and groundwater resource assessment associated with residential developments, wellfield management, and additional well recommendations for expanded use. Managing well drilling activities including well design and completion. Performing geophysical log analyses of the Denver Basin aquifers to evaluate potential well yields to meet water demands.

Town of Buena Vista, Buena Vista, Colorado. Performing aquifer testing and pump selection to increase yield from alluvial well, assisting with permitting of the well, and performing preliminary planning associated with new proposed well. Review of pending water rights case to help protect the Town’s vested water rights.

Tallgrass Energy, Weld County, Colorado. Assessed groundwater rights and performed wellfield due diligence within the Lost Creek Designated Basin. Provided water rights accounting support to manage water reporting requirements.

Boxelder Basin Regional Stormwater Authority, Fort Collins Colorado. Conducted groundwater monitoring program and site evaluation to assess the potential water rights injury to nearby irrigation wells due to the proximity of a dewatering pipeline. Provided support on water rights evaluation and well permitting activities. Designed and installed open pipe flow measurement equipment to help quantify dewatering pipeline effectiveness and help protect the Authority from potential Colorado Division of Water Resources hearing or potential lawsuit.

Buffalo Run Golf Course, Commerce City, Colorado. Providing on call water rights and water rights accounting. Prepared driller bid documentation, and drilling and construction oversight of a Lower Arapahoe well for supplemental golf course irrigation.

Clear Frontier Agriculture, Lipscomb and Ochiltree Counties, Texas. Performed due diligence evaluation of 29 Ogallala aquifer irrigation wells and prepared numerical groundwater model to simulate site-specific decline of the water table based on increased pumping and reduction in aquifer recharge.

Well Litigation Case in Douglas County, Littleton, Colorado. Provided expert opinion and submitted a 26(A)(2) disclosure report to support the Defendants (sellers of a residential property) against false claims of failure to disclose and claims for relief including breach of contract, fraud, negligent misrepresentation, and civil theft. The engineering work successfully demonstrated the Plaintiff (buyer) and the Plaintiff's Expert failed to provide any evidence to support these claims and the litigation case reached a highly favorable settlement.

Clear Frontier Agriculture, Weld County, Colorado. Performed water rights due diligence for a sod farm associated with surface water right, reservoir storage right, alluvial wells, and Denver Basin groundwater, water quality assessment in support of irrigation uses, analysis to understand potential nontributary groundwater yield from current wells, projection of additional wells, financial investment to develop wellfield, and profitability from selling water within 5 to 10 years.

Camp Tahosa, Ward, Colorado. Performed due diligence evaluation associated with the Boy Scouts of America Camp. Evaluation included water rights estimation, water demand assessment, well yield and water quality testing and assessment, projection of physical water supply, geophysical survey to identify possible bedrock fractures, and estimated costs for site improvements.

River Run Ranch, Granby, Colorado. Provided well rehabilitation and water quality assessments to support the development of commercial recreational development. Recommended lowering the submersible pump and adding a shroud to remediate a water production issue. Developed a water quality sampling plan to identify necessary steps for the water supply to meet Town of Granby criteria.

Western Transport Metropolitan District, Watkins, Colorado. Performed project management of wellfield development including well drilling oversight, geophysical log interpretation of the Denver Basin aquifers, well design and completion, and aquifer test analyses. Provided guidance for well rehabilitation and supported an investigation of defective work. Performed groundwater modeling to evaluate potential well yields to meet water demands and aquifer groundwater modeling of the wellfield to estimate long-term production.

Home Ranch, Clark, Colorado. Performed permitting, sited well location, preparation of specification contract documents package, prepared well design, and well drilling and completion oversight, aquifer testing and water quality sampling to demonstrate a highly productive alluvial well with excellent water quality, assisted with engineering design team to improve water delivery system including pumping equipment, pipeline, storage tank, water treatment, electrical, and controls.

Fleeger Ranch, Bond, Colorado. Evaluated water quality and determined the water was being degraded by the Eagle Valley Evaporite and therefore not suitable for consumption without reverse osmosis treatment. Recommended redrilling the well and sited a new well location, drilling and completion oversight, aquifer test and analysis, and water quality sampling to demonstrate greatly improved water yield and quality and provided pumping system design.

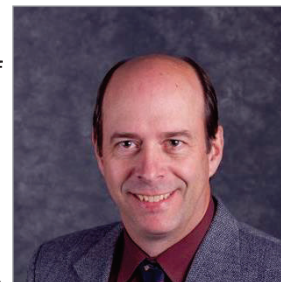
Confidential Waters of the U.S. Investigation. Supported the U.S. Department of Justice in an investigation of alleged Waters of the United States violations of the Clean Water Act in the Eastern United States.

Confidential Residential Subdivision Investigation. Performed site characterization to test the hydraulic connection of pipe utility bedding within a residential development. Implemented a storm drain leak testing program to test the leakage rate of a suspected storm drain pipeline. Provided expert testimony on the field-testing activities.

Central Colorado Water Conservancy District. Evaluated the presence of hydrogen sulfide at client's reservoirs, reviewed geologic presence of coal seams that could possibly be contributing to high detection of hydrogen sulfide, provided water quality sampling procedures, and supported District with Regulation 85 and 31 prehearing statements in response to Water Quality and Control Commission rulemaking process.

Experience Overview

Thomas Dwyer, P.G., is an Adjunct Senior Geophysicist with 38 years of experience in geophysical exploration for water resources, water supply testing and development, aquifer replenishment with stormwater and treated wastewater, aquifer storage-recovery, and aquifer thermal energy storage. He has completed over 300 hydrogeologic and hydrologic investigations. Mr. Dwyer is experienced with the most current tools and techniques for water resources exploration using geophysical methods, particularly very-low-frequency electromagnetics (VLF) and two-dimensional resistivity (2DR) profiling for locating water-bearing bedrock fracture zones.



Relevant Credentials/Specialties

- ❖ 40 Years of Experience
- ❖ Geophysical exploration for water resources
- ❖ Water supply testing and development
- ❖ Aquifer replenishment with stormwater and treated wastewater
- ❖ Aquifer storage-recovery
- ❖ Aquifer thermal energy storage
- ❖ Geophysical modeling

Education

- M.S., Geology, Kent State University, 1986
- B.S., Geology, Summa Cum Laude, Old Dominion University, 1983

Training/Certifications

- Professional Geologist License: Virginia (2801 000945), Pennsylvania (PG-000036-G), and Delaware (S40000964)

Memberships

- Engineers Without Borders
- American Institute of Professional Geologists
- Association of Environmental & Engineering Geologists

Geophysical Exploration for Water Resources

Deerpark Geophysical Survey. Performed a 2DR geophysical survey to evaluate the presence of both deep (Paleozoic fractured rock) and shallow (springs and alluvium) water supplies. The traverse crossed a prominent spring, which was being considered as a potential supply. However, the spring was thought to be fed by the shallow alluvium, so viability of the spring during the dry season or during drought was in question. The 2DR survey showed that the spring and the alluvium were fed by a deep, high-angle fracture system. To maximize yield and to minimize the effect of drought, a deep well was drilled to intersect the fracture, providing a yield of approximately 300 GPM.

Headley Farm 2DR Geophysical Survey. Performed a 2DR geophysical survey to locate water-bearing fractures in carbonate bedrock for a large residential development. The traverse crossed a major, regional-scale fault zone showing direct hydraulic connection to a broad area of wetlands and springs. Development of the water supply from the fracture zone required hydraulic testing to demonstrate that the proposed water supply would not have an adverse impact on the wetlands and springs.

Riverview 2DR Survey. At a carbonate bedrock site where a development was proposed, it was thought that overlying alluvium might provide sufficient water supply capacity for a large residential development. Performed a 2DR geophysical survey to map out the extent and thickness of the alluvium and to determine whether the alluvium is in hydraulic connection with deeper bedrock fractures. The alluvium proved to be too shallow for a reliable supply of the magnitude required. However, the 2DR results showed the deeper, carbonate bedrock to be highly fractured and solutioned. Heavy clay content in the larger solution zones created a turbidity problem. The 2DR results were used to find a smaller, less solutioned fracture free of turbidity. This resulted in a well yield in excess of 1,000 GPM with excellent water quality.

Vernon Geophysical Survey. Returning water to a shallow groundwater flow system was the priority for maintaining the health of springs and wetlands at the Vernon site. Municipal wastewater derived from nearby glacial sediments was treated to meet groundwater quality standards prior to discharge back to the shallow flow system. To determine if the discharge site was in hydraulic connection with the springs and wetlands, performed a 2DR survey. The 2DR survey showed that the underlying marble bedrock was unfractured and that the discharged water would follow the shallow, subsurface flow path to the springs and wetlands.

Geophysical Methods. Mr. Dwyer is experienced with the most current tools and latest techniques for water resources exploration using geophysical methods, particularly very-low-frequency electromagnetics (VLF) and two-dimensional resistivity (2DR) profiling for locating water-bearing bedrock fracture zones. This work has resulted in a successful history of high-yielding water supply wells for potable and irrigation supplies, as well as development of aquifer recharge capacity. He is also experienced with borehole geophysical logging and interpretation, having owned and operated an advanced borehole system at Mid-Atlantic Geosciences, LLC.

Analytical and Numerical Ground-Water Flow and Transport Models. Mr. Dwyer is an expert in the application and development of both analytical and numerical ground-water flow and transport models. As an undergraduate student, he completed (in addition to the traditional geology curriculum) the same mathematics program as the engineers and computer scientists in order to pursue his goal of combining mathematics and geology for solving real-world problems. This self-designed academic program culminated with developing a two-dimensional, finite-element, ground-water flow and thermal/contaminant transport model as part of his master's thesis and, as an independent contract, a multi-grid, two-dimensional, finite-difference surface-water flow model. Mr. Dwyer continues to apply numerical models to ground-water problems on a regular basis. Most of his project efforts have utilized numerical simulation models, such as MODFLOW and MT3D, for flow system characterization and for evaluating hydraulic capacity, surface-water/ground-water interactions, and water-quality impacts.

Publications

- Hydraulic and Geophysical Characterization of a Spatially Discontinuous Conjugate Fracture Set; presentation with Heather T O'Shea at 2015 NGWA Conference on Groundwater in Fractured Rock, Burlington, VT (Principal Author).
- Innovative Methods of Ground Water Recharge of Tertiary Treated Wastewater; oral presentation and published proceeding for the 26th Mid-Atlantic Industrial and Hazardous Waste Conference; August 7-10, 1994, University of Delaware (Principal Author/Speaker).
- Design Considerations for Underground Discharge; Guest Speaker at An Educational Conference on Watershed Management, "Meeting the Challenge: Wastewater Treatment for Communities in the NY City Watershed - Technology and Management Options", Mahopac, NY; June 1994 (Co-speaker).
- Ground Water Recharge Wells in a Saltwater Marsh Environment for Disposal of Residential Wastewater Effluent Treated by Constructed Wetlands; oral presentation at May 15-21, 1993 Second United States/Commonwealth of Independent States Joint Conference on Environmental Hydrology and Hydrogeology, Washington, D.C.; and written paper in Special Issue of the "Hydrological Science and Technology Journal", Volume 8, 1993 (Principal Author/Speaker).
- A Computer Spreadsheet Method for Correcting Aquifer Test Data for Ocean Tide Influence; Abstract published in 10/91 issue of "Ground Water", Oral Presentation at conference on "Innovative Ground Water Technology for the 90's", Washington, DC Convention Center: October 1991 (Principal Author/Speaker).
- Natural Processes for Tertiary Treatment of Municipal Wastewater Coupled with Shallow Ground-Water Discharge in a Salt-Water Marsh Environment - A Case Study, AGWSE conference on "Ground Water Issues and Solutions in the Potomac River Basin/Chesapeake Bay Region"; March 1989 (Principal Author/Speaker).
- Finite-Element Simulation of Low-Temperature, Heat-Pump-Coupled, Aquifer Thermal Energy Storage; with Yoram Eckstein; Journal of Hydrology, vol. 95, pp. 19-38; 1987 (Principal Author).
- A Finite-Element Thermal Energy Storage Model; Geological Society of America, 98th Annual Meeting, Abstracts with Programs, vol. 17, no. 7, p. 570; 1985 (Speaker).

Experience Overview

Dr. Holmes has 36 years of experience as a hydrologist and hydraulic engineer specializing in floods, streamflow-data collection, stream ratings, sediment transport, river mechanics, and open-channel hydraulics. Dr. Holmes has extensive field experience on the Mississippi, Missouri, and Ohio Rivers, during flood and non-flood periods, as part of his studies and investigations of flooding. Dr. Holmes served 34.5 years with the U.S. Geological Survey (USGS), where his last USGS position was that of Chief of the Branch of Hydrodynamics. He oversaw projects and conducted research and scientific investigations on modeling of the hydrodynamics and sediment transport of rivers, river mechanics, flood risk assessment, hydrology, sediment transport processes, and channel evolution processes.



Relevant Credentials/Specialties

- ❖ 36 years of Experience
- ❖ Flooding
- ❖ Open-channel Hydraulics
- ❖ Streamflow-data Collection
- ❖ Stream Ratings
- ❖ Hydrologic and Hydraulic Modeling
- ❖ Sediment Transport Processes and Modeling
- ❖ River Mechanics
- ❖ Former USGS National Flood Specialist

Education

- PH.D., Civil and Environmental Engineering, University of Illinois at Urbana-Champaign
- M.S., Civil Engineering, University of Missouri-Rolla
- B.S., Civil Engineering, University of Missouri-Rolla

Training/Certifications

- Licensed Professional Engineer – Missouri #E-025034
- Diplomate – American Academy of Water Resources Engineers

Memberships

- Fellow – Environmental and Water Resources Institute
- Fellow – American Society of Civil Engineers

Hydrologic and Hydraulic Modeling

Missouri River Modeling. Development of a hybridized model that estimated the water-surface elevations at selected locations along the Missouri River from 1950 to 2018.

Transport of Sediments from Dam Removal. Analysis of contaminated sediments behind the Fox River at Yorkville, Illinois dam to determine potential for transport downstream once the dam was removed.

Sizing of Stone for Lake Erosion Prevention Provided hydrodynamic analysis and sizing of stone to protect shore at Burns Harbor on southern Lake Michigan.

Flood Frequency Investigations. Led numerous studies looking at estimating risk and frequency of flooding, multiple flood investigations, and hydrology/hydraulics flood modeling projects across the United States. These studies ranged from determining and documenting flood frequency for large regional floods to providing management models to local municipalities.

Confidential Sediment Transport Investigations on Major U.S. River. Performed review of existing hydraulic and sediment transport models and independent analysis and modeling of hydraulic and sediment transport processes.

Design of a Missouri River Floodplain Road for Missouri Department of Conservation. As a subcontractor to EDM, Inc. determined the range of velocities that would neither scour the road nor result in severe sedimentation of a newly designed road.

River Hydraulics, Sediment Transport, and Stream Restoration. Led and participated in several studies that required data collection and/or modeling of river systems across a variety of scales. Models used during these studies included one-dimensional and two-dimensional models (standard off-the-shelf hydraulic and hydrologic models such as HECRAS, HECHMS, and SWMM) as well as development of unique analysis tools written to assess geomorphic, sediment transport, and hydraulic phenomena.

Adjunct Professor of Civil Engineering and Research Associate, Missouri University of Science and Technology (2008–present). Courses taught include water resources engineering, fluid mechanics, river mechanics, and sediment transport.

Basic Hydraulic Principles Instruction for USGS. For 25 years, coordinated and taught the Basic Hydraulics Principles course for the USGS, as well as other USGS courses in data collection, modeling, stream-rating development, indirect methods of discharge measurement, and sediment-transport load computations. Dr. Holmes is considered an expert in stream-rating development and led USGS efforts to develop new techniques to address hydraulically complex ratings.

Hydraulic Modeling Advisor for USGS. Senior advisor to USGS on flood hazard issues, including advising on development of USGS technical policy on handling of flood risk assessment and hydraulic modeling.

Publications

- Dynamic Rating Method for Computing Discharge from Time-Series Stage Data. 2022 Domanski, Marian, Holmes, R.R., Jr., and Heal, Elizabeth M. U.S. Geological Survey Open-File Report 2022-1031, 48 p., <https://doi.org/10.3133/ofr20221031>.
- Multi-Agency Gage Height and Discharge Datasets for Selected Streamgages on the Missouri River from 10/01/1936 to 12/31/2018. 2020. O'Shea, P.S., and Holmes, R.R., Jr., 2020, U.S. Geological Survey data release, <https://doi.org/10.5066/P9DA4FZC>.
- Influence of hydropower outflow characteristics on riverbank stability: case of the Lower Osage River (Missouri, USA). 2020. Mohammed-Ali, Wesam, Mendoza, Cesar & Holmes, Robert R., Jr., Hydrological Sciences Journal (THSJ), DOI: 10.1080/02626667.2020.1772974.
- Riverbank stability assessment during hydro-peak flow events: the lower Osage River case (Missouri, USA). 2020. Mohammed-Ali, Wesam, Mendoza, Cesar & Holmes, Robert R., Jr., International Journal of River Basin Management, DOI: 10.1080/15715124.2020.1738446.
- Flooding in the Southern Midwestern United States, April–May 2017. 2018. Heimann, D.C., Holmes, R.R., Jr., and Harris, T.E., 2018, Flooding in the southern Midwestern United States, April–May 2017: U.S. Geological Survey Open-File Report 2018-1004, p. 36, <https://doi.org/10.3133/ofr20181004>.
- Streamflow Data. 2017. Holmes, Robert R., Jr., Book Chapter in Handbook of Hydrology, 2nd Edition, Editor, Singh, Vijay McGraw-Hill, New York, pp 5-1 to 5-8.
- Streamflow Ratings. 2017. Holmes, Robert R., Jr., Book Chapter in Handbook of Hydrology, 2nd Edition, Editor, Singh, Vijay McGraw-Hill, New York, pp 6-1 to 6-14.
- Examination of Flood Characteristics at Selected Streamgages in the Meramec River Basin, Eastern Missouri, December 2015-January 2016. 2016. Holmes, R.R., Jr. Koenig, T.A., Rydlund, P.H., and Heimann, D.C., U.S. Geological Survey Open-File Report 2016-1140, <https://pubs.er.usgs.gov/publication/ofr20161140>.
- River Rating Complexity. 2016. Holmes, R.R., Jr., In Proceedings of the International Conference on Fluvial Hydraulics (River Flow 2016), Constantinescu, Garcia, and Haynes, (Eds), CRC Press Taylor and Francis Group, London, pp 679-686.
- Preliminary Peak stage and streamflow data at selected U.S. Geological Survey streamgages for flooding in the central and southeastern United States during December 2015 and January 2016. 2016. Holmes, R.R., Jr., Watson, K.M., and Harris, T.E., U.S. Geological Survey Open- File Report 2016-1092, p. 27, <https://pubs.er.usgs.gov/publication/ofr20161092>.
- Streamflow Data. 2016. Wiche, G.J. and Holmes, R.R., Jr., Book Chapter in Flood Forecasting: A Global Perspective, Thomas E. Adams, III and Thomas C. Pagano, Editors, Elsevier, Amsterdam, pp 371-398, <http://dx.doi.org/10.1016/B978-0-12-801884-2.00013-X>.
- Identifying and Preserving High-Water Mark Data. 2016. Koenig, T.A., Bruce, J.L., O'connor, Jim, McGee, B.D., Holmes, R.R., Jr., Hollins, Ryan, Forbes, B.T., Kohn, M.S., Schellekens, M.F., Martin, Z.W., and Pepler, M.C., U.S. Geological Survey Techniques and Methods Book 3, Chapter A24, p. 47, <https://pubs.er.usgs.gov/publication/tm3A24>.

Experience Overview

Jonathan is a water resources engineer with experience in water supply and water rights engineering, hydrologic analysis of groundwater and surface water systems, channel hydraulics and floodplain delineations, water quality evaluations, application of best management practices (BMPs), and sizing of stormwater facilities.



Water Rights and Water Resources Engineering

<p>Relevant Project Experience:</p> <ul style="list-style-type: none">❖ Registered Professional Engineer❖ Project Manager❖ Water Quality❖ Rate Studies❖ Funding❖ Modeling Experience❖ Utility Master Planning
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Mountain Coal Company—West Elk Mine. Work closely with mine personnel and water counsel to implement augmentation plan for mine diversions. Performed field measurements to quantify transit losses for reservoir releases to replace out-of-priority depletions. Study reduced the charged channel seepage losses from 50 percent down to 10 percent. Implemented accounting for administration of augmentation plan for stream losses due to mine subsidence resulting from longwall coal mining. Assisted client with removing water right on Division Engineers' abandonment listing.

Mt. Werner Water and Sanitation District. Serve as District Engineer providing services related to water rights and water resources management. Work including calculating projected water demands at full build out and evaluation of lagged depletions associated with infiltration gallery in the Yampa River alluvium.

Exxon Mobil Corporation. Performed engineering services relating to extensive water rights portfolio of an energy producer in the Piceance Basin. Engineer of record on nine different water court filings, including multiple augmentation plans, quantification of historical consumptive use (HCU) credits from irrigated lands, and use of Glover to calculate lagged stream depletions due to well pumping. Pending cases include transbasin diversion from Colorado River to the White River basin. Provided expert reports on multiple conditional water rights in the Parachute, Piceance, and Yellow Creek drainage basins documenting the contemplated draft of the industrial water rights.

City of Glenwood Springs. Providing hydrologic and water rights engineering services in support of the City's 2013 Water Court application for recreational in-channel diversion (RICD) water rights. Actively working with objectors to attempt to address their concerns.

Flattops Water Company. Engineer for water court filing involving establishing the firm yield of transbasin water rights from the Yampa River to the Colorado River basin. Successfully negotiated technical issues with nineteen objectors to obtain decree. Managed feasibility evaluation of additional reservoir sites based on criteria, including inundation wetlands and storage versus dam height. Assessed ditch loss characteristics and return flow patterns for Stillwater Ditch, which runs along the drainage divide. Assisted client with removing water right on Division Engineers' abandonment listing.

High Valley Farms. Provided expert testimony in Division of Water Resources 600-foot spacing hearing relating to potential for well-to-well interference in the Roaring Fork alluvium near Basalt.

Education

- M.S., Civil Engineering, 1993, University of California, Los Angeles, 1993
- B.S., Civil Engineering, 1992, University of California, Los Angeles, 1992

Registrations

- Registered Professional Engineer (Colorado # 33901)

Professional Associations

- American Council of Engineering Companies (ACEC), Board Member
- Colorado Association of Stormwater and Floodplain Managers (CASFM), Northwest Regional Representative

Adam's Rib Ranch. Lead engineer on augmentation plan for a golf course residential development south of Eagle, CO. Working with attorneys to optimize use of water rights portfolio, while maintaining diligence on conditional water rights. Augmentation plan included quantification of historical consumptive use (HCU) credits from irrigated lands to offset evaporative losses from golf course ponds.

Shorefox/GDL. Engineered the water rights for a 1,200 equivalent residential unit development in Granby, CO. Working with objectors on six interrelated water court cases involving golf course/open space irrigation, municipal water supply, and onsite storage ponds. Also assisted client with negotiations with Town of Granby regarding annexation of the property.

Coal Basin. Developed augmentation plan for large private property in Coal Creek watershed near Redstone, CO. Decreed augmentation plan adjudicated storage rights and quantified releases to replace out-of-priority evaporative depletions. Successfully protested abandonment of water right through negotiation with Division Engineer.

Hell's Gate Ranch. Developed augmentation plan for large lot subdivision in Sweetwater Creek watershed. Engineering evaluation included incorporating historical uses and water rights with proposed development amenities.

Tybar Ranch. Provided engineering analyses relating to an augmentation plan for a cattle ranch outside Carbondale, CO.

Stella Polare. Completed engineering analyses to quantify water demands and depletions associated with a luxury property above Aspen. Augmentation supplies included contract water and onsite storage to satisfy local calls.

Small Water Court Cases. Provided water rights engineering services to numerous small projects for water court applications.

ExxonMobil Administrative Complex. Project manager for design engineering services for the water system to serve the ExxonMobil Section 26 Administrative Complex (Complex) in the Piceance basin. The major components of the water system design were a raw water submersible pump, associated piping from the B & M Reservoir to the Complex and a water treatment facility in the Complex. The water treatment facility includes filtration in accordance with the Long Term 2 Enhanced Surface Water Treatment Rule and chlorination for disinfection. The process treatment design includes filtration, chlorination, and storage sufficient to achieve the minimum chlorine contact time and a pressure system for distribution system delivery. WWE provided limited services during bidding and services during construction. WWE's work addressed CDPHE submittals of the water treatment system component.

CDOT Bridge Geothermal Evaluation. Served as peer reviewer for the evaluation of the potential effects of bridge construction on a geothermal resource under various proposed alternatives. WWE worked as a subconsultant to Jacobs Engineering on this project for the Colorado Department of Transportation (CDOT). The analysis was conducted as part of a National Environmental Policy Act (NEPA) study for the proposed modification or reconstruction of a bridge over the Colorado River in Glenwood Springs, Colorado.

Pine Creek Cookhouse. Project manager for permitting of a water system that is considered to be a transient, non-community water system according to criteria established by the Colorado Department of Public Health and Environment (CDPHE) and subject to specific water treatment requirements.

Group of North Fork Coal Mines. Conducted a transit loss study a stream system in western Colorado to assess the channel seepage losses. Reservoir water is released to the stream system to augment out-of-priority depletions over twenty miles downstream. Downstream water users must account for transit losses before taking credit at their points of diversion.

Adams Rib Recreation Area. Developed a comprehensive river basin simulation model for a proposed resort in Eagle County. Performed numerous simulation runs for alternative development scenarios to assess water rights implications and water quality issues.

Experience Overview

Dr. Maestre is a highly experienced water resources engineer who joined WWE in January 2023. His experience includes: (1) Part of a team that evaluates the products of the National Oceanic and Atmospheric Administration (NOAA) National Water Model. (2) More than 25 years of experience as project manager and principal researcher in water resources projects that involve the analysis of hydrodynamics and water quality in rivers, estuaries, lakes, coastal waters, wetlands, stormwater systems, levees, and surface water management systems. (3) Expert in coupling specialized hydraulic and hydrologic applications with geographic information systems (GIS), statistical tools, and water resources engineering software. (4) Developed the first version of the National Stormwater Quality Database (NSQD) that describes the characteristics of stormwater quality nationwide, provides guidance for future sampling, and enhances stormwater management activities in areas with limited data.



Relevant Credentials/Specialties

- ❖ Registered Professional Engineer
- ❖ 28 Years Hydrology/Hydraulics Experience
- ❖ Hydrologic Data Analysis and Modeling
- ❖ Floodplain Expertise

Education

- Ph.D., Environmental Engineering, University of Alabama, Tuscaloosa, 2005
- M.Sc. Computer Science, University of West Florida, Pensacola, 2013
- M.Sc., Applied Statistics, University of Alabama, Tuscaloosa, 2005
- Specialist, Telematics, Universidad de los Andes, Colombia, 2000
- M.Sc., Water Resources Engineering, Universidad de los Andes, Colombia, 1996
- B.S., Civil Engineering, Universidad de los Andes, Colombia, 1994

Registrations/Affiliations

- Registered Professional Engineer in Colorado (# 61739), Alabama (# 30066) and Florida (# 71000)

Modeling Experience

National Water Model – Evaluation of Operational Forecasts, Tuscaloosa, Alabama. Developed a framework that evaluates the performance of the short and medium range forecasts produced by National Water Model (NWM). Since the release of the first operational version of the model, developed computer routines that ingested, processed, and generated visualization outputs to evaluate the performance of the model. The NWM produces hourly forecasts for more than 2.7 million reaches in the continental U.S., southern Alaska, Hawaii, Puerto Rico, and U.S. Virgin Islands.

Confidential Surface Water Investigation, Denver, Colorado. Assisted in the preparation of a letter report that provided expert opinion about the design of a large storm drain system. Reviewed multiple SWMM models associated with different phases of the design, reports, contract documents, depositions, and design plans. In addition, assisted in the preparation of a timeline that highlighted key events that occurred during the evolution of the design.

Confidential Post-fire Debris Flow Assessment, California. Currently serving as modeling engineer to calibrate hydraulic models that simulate debris flow extent after significant rain events in burned watersheds. The calibrated models will be used to simulate alternative scenarios by modifying bridges, debris basins, and other structures.

Confidential Post-fire Hydrologic Hazard Risk Assessment, California. Currently assisting as modeling engineer to generate two dimensional hydraulic models that identify location-specific values-at-risk (VARs) located downgradient of burned watersheds.

Hydrologic Water Balance of the Zapatos Wetland System, Colombia, South America. Assisted during the development of a hydrologic and hydraulic model from the ground up for the understanding of the bidirectional flows between lakes, wetlands, channels, and rivers of the Zapatos swamp complex. The size of the wetland system is approximately 1,200 square miles and involve the exchange with one of the largest rivers of Colombia.

Blue River LOMR, Breckenridge, Arapahoe County, Colorado. Currently assisting on a Letter of Map Revision (LOMR) for a section of the Blue River downstream Coyne Valley Road. Tasks associated with the completion of the LOMR include extensive hydraulic modeling, report, and appendix preparation. Set up duplicate effective, corrected effective, and proposed conditions hydraulic models using HEC-RAS.

Project Manager, Educational Tool. Leader in the development of a Java application that illustrated the effect of evapotranspiration in floodplain areas. The purpose of the tool was to increase awareness of cyber-tools in high school and university students. The tool was developed using an interactive platform. The application includes a presentation about the role of upland floodplains during extreme events and controls that visually display the relative impact of different scenarios.

Surface Water Modeler, Levee Certification Package. Responsible for the interior drainage analysis of the South Rome Levee System as part of the evaluation and publication of the Digital Flood Insurance Rate Map. The analyses were based on the capacity of the interior systems to store and evacuate water, as well as the joint probability of the interior and exterior flooding conditions.

Researcher, Watershed Modeler. Produced integrated models of the hydrologic processes that occur from catchment to the coast. The team evaluated the effect of evapotranspiration in floodplain areas using the Soil and Water Assessment Tool (SWAT) application developed by the U.S. Department of Agriculture and Texas A&M University. The research included an evaluation of the capabilities of a modified version of the SWAT, called SWAT-L, which simulates the lateral water flows across the landscape in three different sections: the divide, the hillslope, and the floodplain. A hydrological model was constructed for a small section of a deciduous forest that includes the Sipsey River.

Post-Doctoral Researcher on Impacts of Agricultural Withdrawals in Floodplain Areas. Lead researcher of a group that evaluated the potential ecological impacts of agricultural withdrawals from floodplain areas located in the southeast of the U.S. The research studied the effects of a potential increase in irrigation and water withdrawals for agricultural purposes from four major floodplains. In addition, included the potential effects on invertebrate and vertebrate species. The project involved the generation of sophisticated computational floodplain models and field verification activities.

Relevant Publications

- Cayaban, J., Williamson, D., Maestre, A. "Comparing Evapotranspiration Estimation Methods in Watershed and Floodplain Modeling at Coastal States of the Northern Gulf of Mexico" (Poster). Undergraduate Research and Creative Activity Conference. Bryant Conference Center. The University of Alabama, Tuscaloosa. April 9, 2012.
- Crowell, J., Maestre, A., Williamson, D., Ward, A. "Using PhET Resources as a Tool for Floodplain Analysis" (Poster). 2013 Annual Northern Gulf Coastal Hazards Collaboratory Science Meeting. Mobile, Alabama. June 12–14, 2013.
- Burkhalter, D., Maestre, A., Ward, M. "Analysis of the Potential Ecological Impact of Controlled River Water Withdrawals on Floodplain Ecosystems using 3D Modeling" (Poster). Undergraduate Research and Creative Activity Conference. Bryant Conference Center. The University of Alabama, Tuscaloosa. April 17, 2014.

Modeling Expertise

Continental Scale Hydrologic Models: WRF-Hydro, National Water Model, ADHydro

Green Infrastructure Control Measures: WinSLAMM, WebSLAMM

Surface Water Hydraulics and Hydrology: SWMM 5.0, PCSWMM-2D, FLO-2D, DELFT-3D, ICPR, SWAT, SWAT-L, HSPF, WRTDS, WIN TR-55, HydroCAD

Coastal hydrodynamics: EFDC, ADCIRC

Watershed Hydrology: Watershed Modeling System WMS, HEC-HMS, HEC-DSS,

River Analysis and Water Quality: HEC-RAS, WASP, QUAL2E

Drinking Water Distribution: EPANET

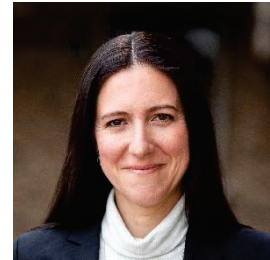
Programming Languages: C, Java, Fortran, Python

Statistical Analysis: R, SAS, SPSS, Minitab, ProUCL

Geographic Information Systems: ArcMap, GRASS, QGIS

Experience Overview

Rachel is a water resources engineer with experience on projects related to water supply and planning, water rights investigation, water rights valuation, water rights operation modeling, watershed modeling and planning, funding, and technical evaluation related to water supply projects and construction management.



Water Rights/Water Supply/Project Management

Relevant Credentials/ Specialties

- ❖ Water Rights
- ❖ Water Supply Planning
- ❖ Watershed Modeling
- ❖ Construction Management
- ❖ Project Management
- ❖ Water Rights Valuation
- ❖ Water Rights Operation Modeling

Education

- B.S., Civil Engineering, 1999, University of Colorado, Boulder

Registrations/Affiliations

- Professional Engineer
 - Colorado #40300
 - Utah # 13095739-2202
- Certified Professional in Erosion and Sediment Control (CPESC) #3771
- Certified Erosion, Sediment, Storm Water Inspector (CESSWI) #4700

Town of Buena Vista, Colorado. Project Manager for Town on development planning review, new water supply planning, monthly accounting preparation, and State submittals. Presented to the Board of Trustees on the Water Resources Master Plan, prepared an internal planning tool spreadsheet used to estimate single family equivalents for development, worked on quantification of historic consumptive use for water rights change case currently underway, prepared water court case opposition reports on Town's behalf, participated in revegetation plan review, and performed drought analysis for the Town.

Project Manager, Colorado Water Conservation Board (CWCB) Finance Program, 2017–2022. Provided technical consultation, financial analysis, and written materials to assist borrowers and their consultants in the preparation and successful completion of project designs and construction contract documents. These are outlined in the CWCB's Construction Fund Guidelines for construction projects receiving loan or grant funds. Regularly attend and present at stakeholder meetings and CWCB meetings related to raw water construction project funding.

GreenCO BMP Manual. Worked with others to develop a comprehensive water quality and water conservation best management practice (BMP) Manual for the Green Industries of Colorado. BMPs related to landscaping, irrigation, nursery production practices, etc., were completed in a fact-sheet format for use by GreenCO's multiple member industries and the public.

Pacific Institute. Worked with interdisciplinary team under direction and approval by the Colorado Water Conservation Board on rainwater harvesting potential and preliminary volumetric quantification to meet the Colorado Water Plan defined gap in the Colorado basins.

Mile High Flood District/Merrick and Company. Analyzed and quantified stream flow and performed a water rights summary evaluation on the South Platte River for recreation use determination.

Energy client. Analyzed and quantified stream flow, reservoir storage, water rights inventory and tabulation, climate data inventory and analysis, HEC RESSIM model, water supply and yield analysis working with State regulatory approving agency.

Confidential Mining Company. Evaluated water rights and summarized hydrology to calculate the feasibility of additional water supply alternatives.

Coors Brewing Company. Evaluated water supply and water rights including augmentation plans and feasibility studies. Prepared engineering evaluations, water rights inventories, hydrologic evaluations, and ditch analyses. Performed audits and replacement analysis of water system facilities for potential acquisition, water supply planning, consumptive use analysis, return flows, transit loss, exchange and depletion quantification, and flood flow analysis for risk-based assessment.

Valuation Consultation for San Juan County Water Conservancy District, San Juan County, Colorado. Performed audit and replacement cost new-less-depreciation analysis of water system facilities for a private water company for potential acquisition.

Water Rights Acquisition, Former Rocky Flats Environmental Technology Site (U.S. Department of Energy [DOE] facility located near Golden, Colorado). Provided engineering support to DOE for negotiations to acquire long-term lease of water from neighboring municipality to offset depletions related to operation of detention ponds.

Appraisal of Surface and Groundwater Water Rights for Federal Deposit Insurance Company (FDIC), Confidential Client, Colorado. Analyzed and prepared an appraisal of South Platte surface water rights and Denver basin groundwater.

Yield Analysis and Appraisal of Yampa River Water Rights, Routt County, Colorado. River operation study of Yampa River in northwest Colorado to determine average and dry year yield. Assisted in preparation of appraisal of water rights.

Buried Water Storage Tank, Arapahoe County Water Wastewater Authority, Centennial, Colorado. Assisted in preparation of a Location and Extent Plan and Subdivision Exemption Plat for the development and approval from the City of Centennial for a gray zone, 4-million-gallon, buried water storage tank to meet emergency fire flow requirements.

Basalt Wastewater Treatment Plant Expansion, Basalt, Colorado. Submittal review and construction administration for design of a treatment plant expansion for a flow of 0.8 MGD. Facilities included a new pretreatment building, nitrification/denitrification activated sludge, clarifier, and disinfection. Prepared a site application engineering report.

Buried Water Storage Tank, Arapahoe County Water Wastewater Authority (ACWWA), Centennial, Colorado. Assisted in preparation of a Location and Extent Plan and Subdivision Exemption Plat for the development and approval from the City of Centennial for a gray zone, 4-million gallon (MG), buried water storage tank to meet emergency fire flow requirements. Part of a team that attended and presented at many public hearings with City and meetings with homeowners to address neighborhood concerns. Prepared site erosion and sediment control plan.

Four MG Water Storage Tank, ACWWA, Greenwood Village, Colorado. Assisted in preparation of Location and Extent Plan and coordinated preparation of easement exhibits and Subdivision Exemption Plat for development approval from the City of Centennial for buried 4 MG water storage tank. Attended public hearings with City and meetings with homeowners to address neighborhood concerns. Prepared site erosion and sediment control plan.

Basalt Wastewater Treatment Plant Expansion, Basalt, Colorado. Performed submittal review and construction administration for design of a treatment plant expansion for a flow of 0.8 million gallons per day (MGD). Facilities included a new pretreatment building, nitrification/denitrification activated sludge, clarifier, and disinfection. Prepared a site application engineering report.

Lake Water Quality Management, Lena Gulch Metropolitan District, Golden, Colorado. Prepared an investigation report and feasibility analysis of alternative lake water quality management techniques. Assisted with preparation of contract documents and design specifications and construction observation for lake maintenance project.

Construction Dewatering Projects, Summit County, Colorado. Project included permitting of construction dewatering discharges to sensitive water bodies in the Colorado high country. Calculated anticipated pumping rates to draw groundwater down in alluvial aquifer for construction below the water table. Developed innovative treatment methods utilizing a combination of chemical treatment and best management practices to remove colloidal clays from groundwater with low alkalinity and low temperatures.

Experience Overview

Claire Vavrus is a water resources engineer focused on hydrogeology, water rights, and post-fire hydrologic hazards. Her experience includes groundwater monitoring and resource development, post-fire risk assessment, permitting for well construction, and groundwater dewatering. Claire also has experience conducting geophysical surveys on groundwater resource development projects in alpine areas.



Relevant Credentials/Specialties

- ❖ Regulatory Compliance
- ❖ Well Design and Permitting
- ❖ Groundwater Monitoring
- ❖ Aquifer Testing
- ❖ Hydrologic Studies
- ❖ Water Rights Accounting
- ❖ Post-fire Hazard and Risk Assessment
- ❖ Water Quality
- ❖ Geophysical Surveys

Education

- M.S., Geology, 2021
 Colorado School of Mines
 Thesis: *Investigating impacts of land-use on hillslope erosion via rilling and gullying in post-wildfire landscapes*
- B.S., Geological Engineering and Geology & Geophysics, 2018, University of Wisconsin–Madison
 Certificate: *Environmental Studies*

Prior Experience

- Summer Research Experience for Undergraduates at Virginia Tech
 Project: *Effects of Oxygenation on Fe and Mn Concentrations in a Reservoir*

Registration

- Colorado Engineer Intern

Water Resources Engineering

CWCB Wildfire Ready Watersheds (WRW) Initiative. Estimated the likelihood of each watershed in the state to generate a debris flow if it was disturbed by wildfire. Authored three fact sheets to support the greater WRW effort including detailed sheets on post-fire geomorphic hazards, urban post-fire water quality considerations, and potential impacts of wildfire disturbance on Colorado’s water supply systems.

Camp Tahosa. Performed due diligence evaluation associated with the Boy Scouts of America Camp. Evaluation included water rights estimation, water demand assessment, well yield and water quality testing and assessment, projection of physical water supply, geophysical survey to identify possible bedrock fractures, and estimated costs for site improvements.

Everland Well Development. Assisted with locating a well in the Pike-Rampart Water Supply Zone of Douglas County. Performed a Very Low Frequency (VLF) electromagnetics survey method to increase the likelihood of identifying possible well locations that intersect water-bearing fracture zones.

Confidential Residential Subdivision Investigation. Performed site characterization to test the hydraulic connection of pipe utility bedding within a residential development. Implemented a storm drain leak testing program to test the leakage rate of a suspected storm drain pipeline.

Watkins Arapahoe Well. Managing well drilling activities including well design and completion. Performing geophysical log analyses of the Denver Basin aquifers to evaluate potential well yields to meet water demands. Assessing water quality for water supply suitability.

Boxelder Basin Regional Stormwater Authority. Assisted in conducting the groundwater monitoring program and site evaluation to assess the potential water rights injury to nearby irrigation wells due to the proximity of a dewatering pipeline. Provided support on water rights evaluation.

Eastern Adams County Metro District Well No. 6. Oversaw the drilling and completion of Arapahoe Well No. 6 near Strasburg, Colorado, for the Eastern Adams County Metro District. The well was borehole drilled with a reverse mud rotary drill rig over a period of about 36 hours and constructed to 510 feet into the Upper Arapahoe aquifer. Eight-inch steel casing was used, along with 40,000 pounds of gravel and 55,000 pounds of cement grout. The new well performs at about 117 gallons per minute.

Experience Overview

Gary is a Vice President and Project Manager for WWE on water resources projects with particular emphasis on geologic and hydrogeologic issues including: water rights analysis (surface and groundwater), water supply, water management, water quality issues, permitting, groundwater investigations, and well design and installation.



Hydrogeology/Water Supply/Water Quality

- Relevant Credentials/
Specialties**
- ❖ Registered Professional Geologist
 - ❖ Water Rights
 - ❖ Water Source Planning
 - ❖ Project Management
 - ❖ Well Design and Installation
 - ❖ Over 30 years Professional Experience

Education

- B.S., Geology, Colorado State University, 1983
- M.E. Geological Engineering–Hydrogeology emphasis, Colorado School of Mines, 1992

Registrations/Affiliations

- Professional Geologist, Wyoming P.G. #1910
- Certified Professional Geologist, American Institute of Professional Geologists CPG #13332

Special Studies

- Aquifer Test Analysis in Fractured Rock, National Ground Water Association
- Western Water Rights and Water Engineering, University of Colorado at Denver
- Risk Assessment Short Course, Society of Mining Metallurgy and Exploration

West Elk Mine, Gunnison County, Colorado. Prepared permit text for submittal to Colorado Division of Reclamation, Mining and Safety regarding all aspects of surface water and groundwater quality/quantity impacts associated with mining-induced ground subsidence at the West Elk Mine near Somerset. Conducted multiple field visits to the back-country areas above the subject mine to observe, document, and evaluate subsidence features and their potential impacts to water resources.

West Elk Mine Subsidence Monitoring, Gunnison County, Colorado. Part of a team conducting biannual field surveys of back country topography making observations of subsidence-related features (i.e., rockfalls, landslides, and surface fractures) in a 15-square-mile back-country area overlying underground coal mining activities.

Historic Agricultural Water Right Changes for Municipal Uses. Completed studies for several entities using aerial photography, power use records, and crop types to demonstrate the historic consumptive use on irrigated farm fields to develop a defensible basis for transfer to municipal uses. Studies were completed for the Town of Yuma and the Eastern Adams County Metropolitan District in Strasburg.

Bedrock Groundwater Production Wells, Colorado. Designed, prepared specifications/bid packages for and observed construction of several Denver Basin groundwater production and observation wells in Colorado. Construction oversight included monitoring of water level data and water quality during aquifer testing and analysis of aquifer properties.

Denver Basin Aquifer Groundwater Quantification and Evaluation. Hydrogeologic consulting to quantify and evaluate the available groundwater in the Denver Basin aquifer underlying large tracts of land for multiple landowners. Consulting services included well permitting, well design and construction oversight, well yield analysis, and water quality sampling and evaluation.

Aquifer Testing and Analysis, Various Locations, Rocky Mountain West. Coordination and collection of water level data and water quality sampling during aquifer (bedrock and alluvial) testing with aquifer properties analyzed using various spreadsheet and commercial models.

Confidential Mining Client, Delta County, Colorado. Investigated to assess potential impacts to water supply wells and wetlands located in close proximity to a proposed aggregate mining operation. Potential impacts were assessed for both dry- and wet-mining alternatives.

Nontributary Produced Groundwater Assessments. Completed investigations and analyses using spreadsheet and commercial models to assess the areas within specific geologic formations where produced groundwater associated with oil and gas development would meet the nontributary statutory definition. Specific energy company clients and their developments areas included ExxonMobil Corporation (Piceance Creek Basin), Gunnison Energy Corporation (southeast Piceance Basin near Paonia Reservoir), and Laramie Energy II (eastern Piceance Basin near Rifle).

Permitting and Groundwater Rights Assessments. Investigated well permitting and water rights associated with numerous properties as part of due diligence before purchase or after purchase to assist owners with water supply planning for future use and development of the property.

Gunnison Energy Corporation, Gunnison and Delta Counties, Colorado. Part of an interdisciplinary team that prepared a comprehensive baseline water resources investigation and impact assessment from gas exploration for Gunnison Energy Corporation, a Denver-based natural gas exploration company.

BP America, La Plata and Archuleta Counties, Colorado. Lead technical consultant and liaison between this energy company and their groundwater modeling consultant relative to an evaluation of depletive effects on surface water resulting from the production of groundwater from coalbed methane extraction wells in the Northern San Juan Basin. Services included preparation of the scope of work, logistical coordination of contractor bids and selection, participation as the lead member of a technical advisory committee, and peer reviewer of a numeric groundwater model.

Abandoned Gravel Operation, Rifle, Colorado. Prepared a substitute water supply plan and renewal for an abandoned gravel operation on the Colorado River near Rifle. Planned for the eventual backfilling of the pit above the historic high groundwater surface. Submitted satisfactory survey information to the State Engineer's Office to enable the gravel well permit to be dropped and the augmentation liability of the client to be curtailed.

Gold Mine Investigation, Alma, Colorado. Conducted an evaluation of a fracture-controlled aquifer system inside a 1,000-foot-deep active gold mine near Alma. This investigation determined the characteristics of the fractured aquifer while a portion of the mine was dewatered via use of core hole water level and flow data.

ARCO Coal, Colorado. Successfully assisted with the evaluation and submittal of an application to Colorado Division 4 Water Court for a nontributary designation of groundwater intercepted in underground coal mine workings.

Sanctuary Golf Course, Castle Pines, Colorado. Prepared an engineering report for Division 1 Water Court summarizing a plan for augmentation for the Sanctuary Golf Course relative to its use of Denver aquifer water for golf course irrigation. Involved in negotiations with objectors related to return flow and post-pumping depletion obligations.

Homestake Mining Company, South Dakota. Conducted an analysis of water rights within the Elk Creek basin in western South Dakota. This analysis was conducted to assess the impacts to downstream water rights if Homestake divested its senior water rights near the Elk Creek headwaters. This study included a review of the hydrologic and geologic factors contributing to losses throughout the basin.

High Plains Aquifer Management, Southwest Kansas. Assisted southwestern Kansas consortium of irrigation farmers with evaluation of alternatives for High Plains aquifer management, including consideration of water quality degradation.

Central South Platte River Corridor, Denver, Colorado. Conducted survey of well use and well water quality for Colorado groundwater classification and standards hearing.

Dunbar Resort, Deadwood, South Dakota. Assisted the Dunbar in obtaining a surface water right from Whitewood Creek in western South Dakota for golf course irrigation purposes. This study included water quality impacts.

City of Rapid City, South Dakota. Prepared numerous engineering reports and exhibits regarding the available transferable consumptive use from historically irrigated properties along Rapid Creek to municipal purposes by the City of Rapid City. These reports included water quality analysis, consumptive use analysis, and review of Rapid Creek flow and ditch diversion data.

HYDROGEOLOGICAL STUDY FOR TOWN OF PAONIA, COLORADO

Statement of Qualifications

Prepared by
Wright Water Engineers, Inc.
Marshall Haworth, Project manager
2490 W. 26th Ave., Ste. 100A
Denver, CO 80211
(303) 480-1700
mhaworth@wrightwater.com
www.wrightwater.com

December 7, 2023



**The Town of Paonia
PROPOSAL EVALUATION**

Project Name: Hydrogeological Study
Contractor: SGM

RFQ 2023-03 HYDROGEOLOGICAL STUDY

Evaluation Criteria	Score	Possible Points	Comments on Score
<u>Qualifications</u>	15	15	Highly skilled and qualified firm with knowledge of Paonia's existing issues and those on WS
<u>Demonstrated ability working on water-related issues with similar governmental entities</u>	10	10	Very familiar with SGM's work in Paonia and demonstrated extensive knowledge of the Western Slope.
<u>Firm's workload and availability</u>	10	10	Structure to include PM and Co-PM is highly desirable.
<u>Familiarity with water issues on the Western Slope</u>	23	25	Extensive list of projects along the western slope and with similar sized communities.
<u>Credentials of the firm's project team numbers</u>	8	10	Highly skilled team with multiple years of relevant experience working on similar projects.
<u>Detailed schedule for completing field work and developing the study</u>	10	10	Schedule aligns with ToP plans for the project and with funding requirements.
<u>Cost</u>	5	5	Cost is competitive and in line with what the Town expects to pay and is budgeted.
<u>Thoroughness and Completedness of Proposal</u>	15	15	Complete proposal that meets all requirements as found in the RFQ

TOTAL 96/100

Already established relationship with the Town and with RESPEC, the Town's existing water engineer.

The Town of Paonia
PROPOSAL EVALUATION

Project Name: Hydrogeological Study
Contractor:

RFQ 2023-03 HYDROGEOLOGICAL STUDY

Evaluation Criteria	Score	Possible Points	Comments on Score
<u>Qualifications</u>	15	15	Qualified team with some familiar faces.
<u>Demonstrated ability working on water-related issues with similar governmental entities</u>	10	10	Currently helping Paonia with other water projects.
<u>Firm's workload and availability</u>	8	10	Graph provided
<u>Familiarity with water issues on the Western Slope</u>	25	25	Not only do they know the western slope, they know Paonia's issues and obstacles.
<u>Credentials of the firm's project team numbers</u>	10	10	SGM has worked with Paonia on a lot of various projects.
<u>Detailed schedule for completing field work and developing the study</u>	10	10	Organized and complete plan for the project
<u>Cost</u>	4	5	Complete cost budget graph
<u>Thoroughness and Completedness of Proposal</u>	15	15	Detailed and complete proposal.

TOTAL97

SGM knows Paonia, I have no reason to believe they wouldnt do great on this project.

Project Name: Hydrogeological Study
Contractor:**RFQ 2023-03 HYDROGEOLOGICAL STUDY**

Evaluation Criteria	Score	Possible Points	Comments on Score
<u>Qualifications</u>	15	15	Qualified team with some familiar faces.
<u>Demonstrated ability working on water-related issues with similar governmental entities</u>	10	10	Currently helping Paonia with other water projects.
<u>Firm's workload and availability</u>	8	10	Graph provided
<u>Familiarity with water issues on the Western Slope</u>	25	25	Not only do they know the western slope, they know Paonia's issues and obstacles.
<u>Credentials of the firm's project team numbers</u>	10	10	SGM has worked with Paonia on a lot of various projects.
<u>Detailed schedule for completing field work and developing the study</u>	10	10	Organized and complete plan for the project
<u>Cost</u>	4	5	Complete cost budget graph
<u>Thoroughness and Completedness of Proposal</u>	15	15	Detailed and complete proposal.

TOTAL 97

SGM knows Paonia, I have no reason to believe they wouldnt do great on this project.

Project Name: Hydrogeological Study
Contractor:**RFQ 2023-03 HYDROGEOLOGICAL STUDY**

Evaluation Criteria	Score	Possible Points	Comments on Score
<u>Qualifications</u>	15	15	Qualified team with some familiar faces.
<u>Demonstrated ability working on water-related issues with similar governmental entities</u>	10	10	Currently helping Paonia with other water projects.
<u>Firm's workload and availability</u>	8	10	Graph provided
<u>Familiarity with water issues on the Western Slope</u>	25	25	Not only do they know the western slope, they know Paonia's issues and obstacles.
<u>Credentials of the firm's project team numbers</u>	10	10	SGM has worked with Paonia on a lot of various projects.
<u>Detailed schedule for completing field work and developing the study</u>	10	10	Organized and complete plan for the project
<u>Cost</u>	4	5	Complete cost budget graph
<u>Thoroughness and Completedness of Proposal</u>	15	15	Detailed and complete proposal.

TOTAL 97

SGM knows Paonia, I have no reason to believe they wouldnt do great on this project.



Statement of Qualifications

HYDROGEOLOGICAL STUDY

December 7, 2023

Firm Name



118 W. 6th St., Suite 200
Glenwood Springs, CO 81601
970.945.1004

Main Contact

David Schiowitz, PG
970.403.0950
davids@sgm-inc.com

SGM
555 RiverGate Ln., Suite B4-82
Durango, CO 81301
970.385.2340

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Appendix

Resumes



December 7, 2023

Stefen Wynn, *Town Administrator*
Town of Paonia
214 Grand Ave. / PO Box 460
Paonia, CO 81428

RE: Request for Qualifications – HYDROGEOLOGICAL STUDY

Dear Mr. Wynn and Selection Committee Members:

SGM has had the pleasure of working for the Town of Paonia since 2013, and we're proud of the projects we've accomplished alongside Town staff members and leaders to benefit the citizens of Paonia. We respectfully submit this Statement of Qualification (SOQ) in response to the Town's Request for Qualifications (RFQ) regarding the hydrogeological study to assess the condition of the Town's complex spring system.

Given the Town's catastrophic water losses in 2019, we understand that this initial phase of the hydrogeological study is paramount to understanding the spatial and temporal relationships between the annual snowpack on Mount Lamborn and the resulting spring flows, which comprise the Town's sole water source. We also understand the need to complete this multiphase project for a robust watershed resiliency plan. Completing this study is crucial for the Town to demonstrate it has a resilient and sustainable water supply to lift the moratorium on the Town issuing water taps.

As shown in our enclosed technical proposal, SGM's West Slope-based team of geologists and engineers have an innate understanding of Colorado water resources and we have helped numerous water providers maximize the spring-derived and groundwater available in aquifers from complex geological settings. We are prepared to evaluate documentation and data to prepare for the fieldwork needed to complete the geologic assessment and delineation as soon as the snow melts from the Town's springs. SGM will concurrently develop a spring monitoring program and analyze historical data to initiate the hydrological modeling component of the project. SGM will prepare an initial draft of the report by June 28, 2024, with a summary of the project, work completed, and preliminary findings. SGM will process the spring flow monitoring data and will work with Town staff to refine Phase 2 objectives, identify spring improvements, and summarize the work completed for this project in a final report for the October 22, 2024, Board of Trustees meeting. SGM understands the importance of meeting the project timelines and is committed to completing the work within the specified timeframe.

SGM offers unparalleled value by our understanding of Paonia's water system and short-term and long-term needs, and our Western Slope-based expertise in hydrogeologic investigations and spring development projects. We believe we are ideally suited to best serve the Town now and into the future due to our dedication to mountain communities such as Paonia and an unsurpassed reputation for excellent client service. The team we have assembled has the experience to deliver all the services outlined in the Town's Request for Qualifications. We will listen, analyze, and execute to ensure all your hydrogeological study project needs are met.

Thank you for considering SGM's approach to the Town's Hydrogeological Study RFQ. We appreciate the opportunities you've already afforded to SGM to help make Paonia the special place it is. We look forward to working with you on this exciting project, and if you have any questions or concerns, please do not hesitate to contact me at 970.385.2340 / davids@sgm-inc.com.

Sincerely,
SGM

David Schiowitz, PG
Senior Consultant | Project Manager

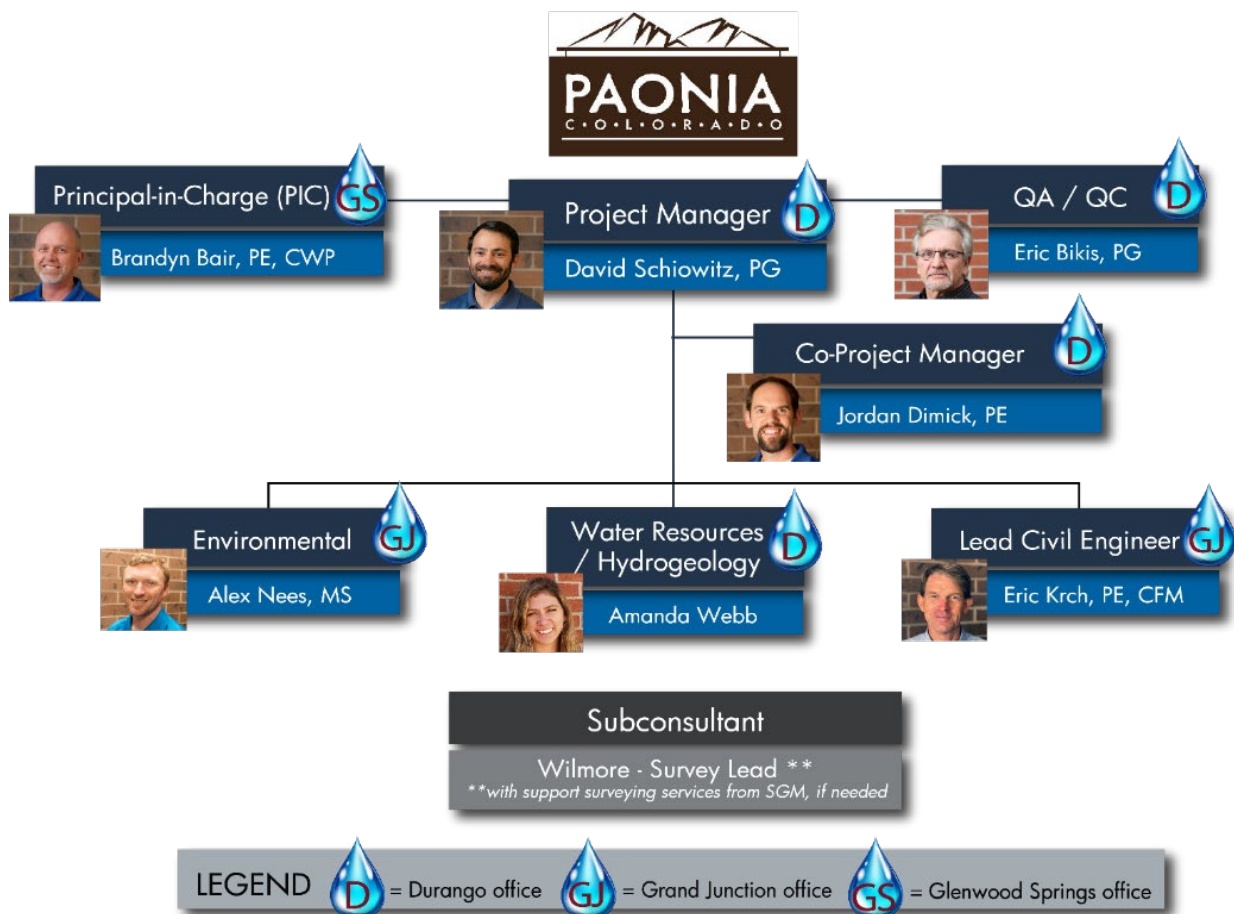
N. Jordan Dimick, PE
Senior Engineer II | Co-Project Manager

Meet the SGM Team

To serve Paonia best, we've thoughtfully selected SGM team members who are experts in Colorado water rights, hydrogeology, and spring/groundwater development. We believe the SGM team is ideally suited to successfully deliver on the Town's current and future water resources needs. Here's why:

- SGM's most prominent strengths lies within our firsthand knowledge of Colorado's western-slope communities, climate, geologic and soil conditions, and Colorado's Prior Appropriation Doctrine. As shown in our individual resumes, **David Schiowitz** and **Eric Bikis** are both Professional Geologists **who combined have more than 55 years of geologic, aquifer characterization, hydrogeologic, spring, and groundwater development.** **Jordan Dimick** obtained his degree in Geophysical Engineering and has **almost 20 years of similar experience.** Prior to joining SGM in 2018, **Eric Krch** worked for Paonia in 2009 and has been to several of the spring collection boxes and **has firsthand knowledge of the Town's raw water collection and transmission system.**
- Our team brings technical expertise that is especially relevant to the Town, such as hydrogeologic evaluations, groundwater supply and development, groundwater flow and timing, water rights assessments and adjudication, GIS mapping and modeling, capital improvement planning and strategies, utility infrastructure rehabilitation/replacement, drainage analysis, and hydraulic modeling.

The org chart below represents our proposed team structure. Brief biosketches for key team members are below; full resumes are located in the Appendix.



Project Manager



David Schiowitz, PG

Professional Experience: 15 years / 8 years with SGM

Professional License: UT PG 10634558-2250

Contact: 970.385.2340 / davids@sgm-inc.com / **Location:** Durango

David is a senior water resources consultant and Professional Geologist who has over 15 years of experience with water resource evaluations, groundwater and spring investigations and development, water adequacy compliance, and water rights evaluations, including safe and firm yield analysis, well siting and hydrogeological assessments, and water supply and demand planning projects. David will serve as the **Project Manager** and lead the **hydrogeological analysis and oversee the hydrological modeling** aspect of this project. David manages and works on various projects, conducting GIS analyses and database management, water rights diligence review, water rights accounting and portfolio management, water well construction and design, aquifer performance analysis, water quality analysis, environmental monitoring, and hydrogeologic evaluations. David's work involves a combination of technical analysis and consultations with attorneys, local government staff, and State and Division Engineer's Office staff.

Education
BS Geology, Fort Lewis College, Durango, 2008

Registration
Professional Geologist, UT

Co-Project Manager



Jordan Dimick, PE

Professional Experience: 19 years / 7 years with SGM

Professional License: CO PE 43775

Contact: 970.385.2340 / jordand@sgm-inc.com / **Location:** Durango

Jordan will serve as the **Co-Project Manager** and will act as the Town's secondary point of contact. Jordan will support David with the hydrogeological analysis and hydrological modeling. Jordan is currently serving as the project manager for the Town of Crawford's Wiley Springs Rehabilitation Project and has led the existing conditions field investigation and overseen the rehabilitation design. In addition, Jordan has led numerous spring investigation and design projects, and overseen regional groundwater monitoring programs, including a study for the Colorado Department of Corrections at their Buena Vista Corrections Center facility. Jordan has over 19 years of water resource and water rights engineering experience, including water rights adjudication engineering support, water demand and usage analyses, water supply planning projects, raw water systems engineering, water supply infrastructure planning, water allocation modeling, master planning, and water quality analyses. He has provided engineering support and served as an expert witness in multiple water court applications. Jordan also has experience in local, state, and federal permitting compliance.

Education
MS Hydrogeology Science and Engineering, Colorado School of Mines, 2007

Principal-in-Charge (PIC)



Brandyn Bair, PE, CWP

Professional Experience: 20 years / all with SGM

Professional License: CO PE 42640

Contact: 970.384.9024 / brandynb@sgm-inc.com / **Location:** Glenwood Springs

Brandyn will serve as the **Principal-in-Charge**, ensuring overall quality control and client satisfaction for the project. He will provide senior oversight, review, and quality assurance for all project work. Brandyn has 20 years of experience in designing and constructing water and wastewater treatment facilities, water/wastewater pump stations, water storage tanks, water and sewer lines, road reconstruction, and drainage projects. In addition, Brandyn serves as the Town Engineer and/or District Engineer for the Roaring Fork Water and Sanitation District, Spring Valley Sanitation District, and Durango West Metro District No. 2. Brandyn is currently serving as the lead civil engineer for the Town of Crawford's Wiley Springs Rehabilitation Project and has led the rehabilitation design.

Education
BS Civil Engineering Colorado School of Mines, 2003

Certifications
CO Class D Wastewater Operator

Quality Assurance/Quality Control (QA/QC)



Eric Bikis, PG

Professional Experience: 43 years / 16 years with SGM

Professional License: WY PG-365

Contact: 970.385.2340 / ericb@sgm-inc.com / **Location:** Durango

Eric is a principal water resource consultant and Professional Geologist with more than 40 years of professional experience and has worked on water resources projects for clients in the Four Corners and California. Eric will serve as the **QA/QC Manager and technical advisor**. Based in Durango, Eric is well versed with water rights, water supply planning and development, and other water resources issues in Colorado. His work focuses on water resources projects that include water rights assessments, groundwater evaluations, water supply and development from surface and groundwater sources, water quality and pollution, water management during times of shortage, geothermal studies, and geologic hazards. He has managed the preparation of multiple water master plans, many of which have been subsequently implemented. He regularly conducts assessments to determine the nature and extent of groundwater movement from recharge to discharge areas such as springs and seeps, routinely locates, tests, completes water wells, and evaluates well yield. Eric has investigated geothermal springs for alternative energy sourcing and recreational use.

Education

MS Hydrogeology,
Ohio University,
1978

Registrations

Professional
Geologist, WY

Environmental



Alex Nees, MS

Professional Experience: 16 years / 4 years with SGM

Professional License: N/A

Contact: 970.245.2571 / alexn@sgm-inc.com / **Location:** Grand Junction

Alex is SGM's **Environmental** Team Lead and a senior ecologist, with over a decade of experience in federal agencies and the private sector, focusing on infrastructure and recreational projects on federal lands or with federal regulatory needs. He has extensive experience with multi-agency coordination for NEPA and environmental assessment of projects such as roads, trails, rail, and pipelines. **Alex has previously served as an embedded consultant within CDOT's Region 3 Environmental Team, completing NEPA reviews on dozens of internal and third-party projects.** He is a certified USACE Wetland Delineator with extensive wetland permitting experience throughout the Rocky Mountain states and holds a current CDOT stormwater inspection certificate and US Fish & Wildlife permits for Endangered Species survey work. Key competencies include NEPA assessment and permitting, CDOT environmental review, Endangered Species Act compliance, Clean Water Act permitting, and acquisition of right-of-ways on federal lands.

Education

MS Biology,
Stanford
University, 2011

BA Ecology and
Evolutionary
Biology, Princeton
University, 2006

Water Resources / Hydrogeology



Amanda Webb

Professional Experience: 5 years / 4 years with SGM

Professional License: N/A

Contact: 970.385.2340 / amandaw@sgm-inc.com / **Location:** Durango

Amanda is a water resources consultant, geologist, and certified **GIS Technician**. She will provide mapping, hydrology, and geological analysis and support for the project. She joined SGM in 2019 and has experience working in the water resources sector conducting well drilling observations and logging, well siting and geological evaluations, aquifer testing and analysis, and GIS mapping and analysis. She has created GIS maps for public and private entities creating hardcopy maps, managing geodatabases, acquiring data, and has extensive experience with ArcGIS online, and Story Maps.

Education
BS Geology, Fort
Lewis College,

Lead Civil Engineer



Eric L. Krch, PE, CFM

Professional Experience: 37 years / 6 years with SGM

Professional License: CO PE 0028583

Contact: 970.456.1428 / erick@sgm-inc.com / **Location:** **Grand Junction**

Eric has more than 37 years of experience in civil engineering and will serve as the **Lead Civil Engineer** for the project. Eric has a depth of experience in site development, master drainage studies, utility assessment and design, springs collection systems design, roadway design, construction specifications, surveying, and pavement design and rehabilitation. He specializes in surface water hydrology, stream channel/bridge hydraulics, and jurisdictional dam design/permitting. He has design and construction experience with the Towns of Paonia, Sawpit, and Sweetwater Lake State Park, including redeveloping springs which have been impacted by ever-changing dynamic geologic settings.

Education
BS Engineering
Science, University
of Northern
Arizona, 1981

Subconsultant



WILMORE & COMPANY
PROFESSIONAL LAND SURVEYING, INC.

Wilmore & Company Professional Land Surveying will provide the required surveying for the job. Located in the Town of Paonia and having worked with the Town on various projects, Wilmore and Company will be a valuable asset to the project team. Typical services include boundary surveys and adjustments,

topographic surveys, subsidence monitoring, photo control, ALTA surveys, ILC surveys, and construction staking.

Workload Capacity and Staff Availability

Once we are awarded this project, it will immediately become a project of utmost importance for our team. The workload for the team specifically identified for this project, focusing on the project manager, design leads, and support designers, has been reviewed and given full consideration. With the technical ability to share work between offices, unforeseen challenges should be minimized. The capacity table below shows the team's availability to work on this project.

The SGM Team		
Name and Position	Office Location	Time Available to this Project with Junior Staff Support
David Schiowitz, PG – Project Manager	Durango	30%
Jordan Dimick, PE – Co-Project Manager	Durango	25%
Brandyn Bair, PE – Principal-in-Charge	Glenwood Springs	25%
Eric Bikis, PG – QA/QC	Durango	10%
Alex Nees, MS – Environmental	Grand Junction	25%
Amanda Webb – Water Resources & Hydrogeology	Durango	30%
Eric Krch, PE, CFM – Lead Civil Engineer	Grand Junction	20%

One of SGM's biggest differentiators is its available project resources. **Our proposed team members will be committed for the life of the project (conception to completion) and will be supported by our junior-level staff who work under the direction of SGM's personnel listed in this SOQ.** This practice allows SGM to meet both critical deadlines and project budgets.

Firm Qualifications & Experience

SGM SGM, a multidisciplinary engineering, consulting, and surveying firm, was founded in 1986. For 37 years, SGM employees have lived and raised families in the Western Slope communities they have helped build. As a result of SGM's **commitment to quality** and **long-term client relationships**, we have grown to over 123 employees – the largest full-service engineering and surveying firm based in Western Colorado. In addition to our headquarters in Glenwood Springs, SGM also has branch locations in Durango, Grand Junction, Salida, Gunnison, Aspen, and Meeker to provide local and timely service to our clients.



We know Paonia!

SGM has had the opportunity to serve the Town since 2013, and we believe our understanding of the Town's raw water supply and overall water system will allow us to begin the Hydrogeological Study project immediately. A summary of SGM's work completed for the Town includes:

- ✓ 5th Street & Grand Avenue Re-Alignment
- ✓ 2MG Tank Re-Coating
- ✓ Valve Vault at Clock WTP
- ✓ 3rd Street Improvements (Grand to Poplar)
- ✓ Lead and Copper Compliance
- ✓ Riverbank Subdivision Review
- ✓ GIS Mapping/Asset Inventory/Capital Improvement Plan
- ✓ Minnesota Creek Bank Stabilization
- ✓ WW Collection System Expansion
- ✓ Water Rights Analysis
- ✓ Silver Leak Co-Housing Development Review
- ✓ 1MG Water Tank Rehab
- ✓ Beaver Dam Ditch Water Rights
- ✓ 3rd Street Waterline Improvements
- ✓ Riverbank Neighborhood PUD

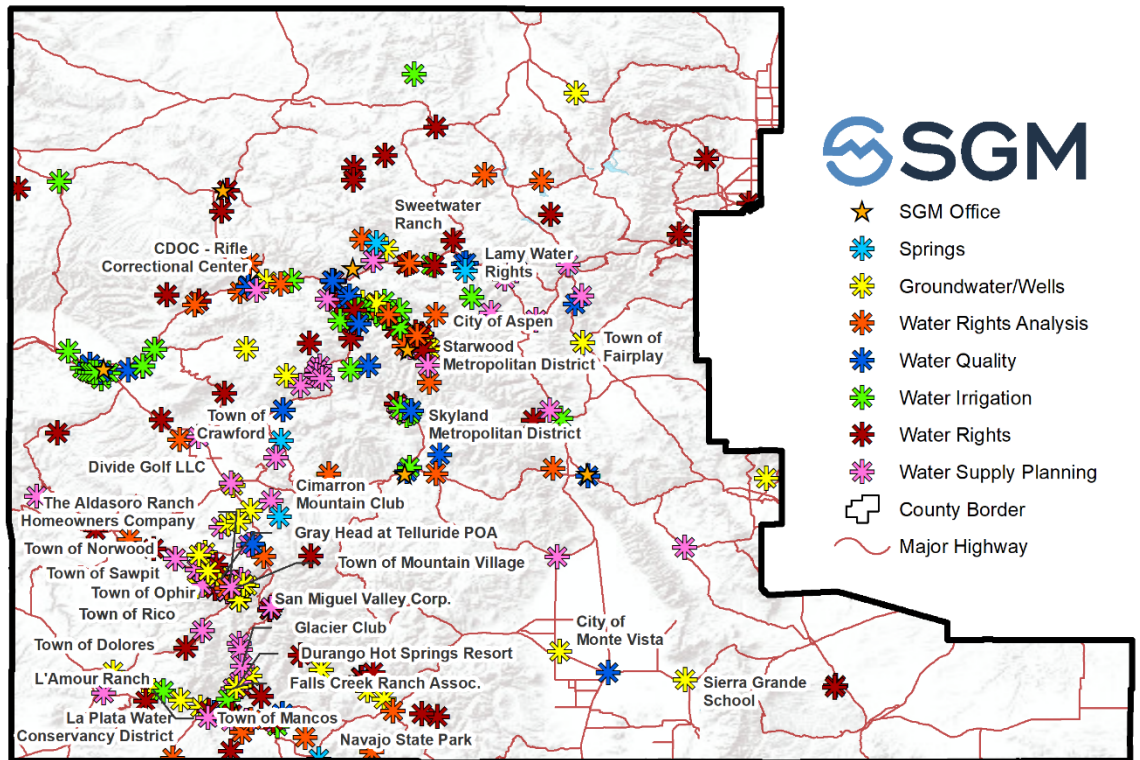


A quick startup is vital given the importance of this project and the requested schedule to complete the work. SGM recognizes the critical nature of this project to understand better the aquifer system that supplies the Town's sole drinking water source, to identify appropriate rehabilitation techniques, and to ultimately redevelop the spring system to optimize the available supply to meet the Town's needs and remove the water tap moratorium currently in place.

West Slope Experience with Spring and Groundwater Development

As you know, SGM is a West Slope-based full-service consulting and engineering firm. The staff selected for this project include geologists and engineers located in Durango, Grand Junction, and Glenwood Springs.

Our team has assisted in spring characterization, rehabilitation, and/or development for the Town of



Crawford, Skyland Metropolitan District, Town of Sawpit, Colorado Parks and Wildlife, and multiple private landowners across the West Slope. Further, we have served multiple clients with aquifer characterization and groundwater development, including: La Plata Water Conservancy District, Colorado Department of Corrections, Town of Mountain Village, Telluride Ski and Golf, Skyland Metropolitan District, Town of Silverton, Purgatory Ski Area, Aldasoro Ranch, San Miguel Valley Corporation, Town of Ophir, Southern Ute Indian Tribe, and a myriad of private landowners.

Responsiveness

SGM proposes to use **David Schiowitz, PG**, as the **Town of Paonia's primary contact**. The Town's secondary contact will be **Jordan Dimick, PE**. David and Jordan are both located in our Durango office, which allows them to work and communicate daily to evaluate project needs, staff availability, and maintain project schedules. This allows us to efficiently monitor progress and communicate project goals, critical work components, and deadlines with staff. They will also monitor changes in work scope and will communicate additional needs or seek direction from Town staff to address challenges before they become a problem.

Relevant and Similar Projects

Town of Crawford – Wiley Springs Rehabilitation Project

SGM staff is supporting the Town of Crawford in executing the Wiley Springs Rehabilitation Project. Like Paonia, Crawford’s sole water supply consists of the Wiley Spring off the western flank of Landsend Peak. To date, SGM staff have reviewed historical documents and available information associated with the Town’s water source, completed a field visit to evaluate the spring’s existing condition, completed a land-based survey of the existing infrastructure (including subsurface piping), communicated with stakeholders, completed the preliminary permitting evaluations, developed a 60% design and Engineers Opinion of Probable Cost (EOPC) for the rehabilitation project, and supported Town staff and other agencies in preparing a federal grant funding application. The remaining work includes final permitting activities, final design, stakeholder coordination, grant funding support, and construction support. *Since 2020, the production rate of Wiley Spring has declined significantly. Given the recent years of drought and the aging infrastructure originally replaced in the 1960s, the Wiley Spring Rehabilitation Project will bolster the Town’s water supply to make it a reliable and drought-resilient water source, by replacing aging infrastructure and optimizing the year-round collection of available spring flow. The anticipated construction date is fall 2024 to Spring 2025, depending upon the availability of grant funding and snow conditions.*

Contact: Bruce Bair, Town of Crawford Public Works Director
Phone Number / Email: crawfordpublicworks@gmail.com / 970.921.4725
Staff Assigned: Jordan Dimick, Brandyn Bair, David Schiowitz, and Amanda Webb

Red Mesa Aquifer Study – La Plata River Basin

SGM staff conducted a comprehensive groundwater study of the Red Mesa Aquifer for the La Plata Water Conservancy. The work evaluated the amount, travel time, and flow paths of irrigation water that percolates into the aquifer and then re-emerges as springs downgradient. The spring flow is then captured in the Bobby K. Taylor Reservoir and later released to New Mexico to meet Colorado’s Compact obligations. Irrigators can exchange this water to upstream ditches. *Studying and understanding water movement from the surface, passing through the aquifer, and ultimately emerging as spring flow has proven to be an extremely valuable water management tool, increasing water use efficiency in a water-short and over-appropriated river basin. This effort has resulted in benefits for all stakeholders involved.*

Contact: Dan Huntington, La Plata Water Conservancy District President
Phone Number / Email: huntingtonranch@hotmail.com / 970.385.4519
Staff Assigned: Eric Bikis, Jordan Dimick, David Schiowitz, and Amanda Webb

Colorado Parks and Wildlife – Sweetwater Lake Collection System

SGM staff supported the investigation of a historical spring near Sweetwater Lake, including characterization of the yield, hydrogeology, and water quality. Based on the investigation and site survey, engineering and project management services were provided to support the design of spring collection system to upgrade the existing structure, including associated infrastructure and raw water storage tank. *The raw water collection system will be used to provide water to the existing facilities and to facilitate the water quality and water quantity measurements to provide information to determine if the springs will be reclassified as groundwater under the direct influence (GWUDI).*

Contact: Eric Blake, Northwest Region Project Manager
Phone Number / Email: 970.255.6190 / eric.blake@state.co.us
Address: 711 Independent Ave., Grand Junction, CO 81505
Staff Assigned: David Schiowitz, Eric Krch, and Amanda Webb



Skyland Metro District - Water Resources Assessment and Groundwater Development / Crested Butte, CO (Gunnison County)

Skyland Metropolitan District is located in an idyllic setting at the base of Mt. Crested Butte. Its potable water supply, a crystal-clear spring source classified as a true groundwater by CDPHE, has also been idyllic. However, Colorado’s 2002 drought revealed the spring’s dry year firm yield was lower than previously anticipated. Skyland contracted SGM to assess its water resources portfolio and provide recommendations. SGM evaluated historical water demands and determined site-specific unit water consumption rates to project future demands. SGM’s water supply-demand balance showed the District needed to acquire additional supplies to meet future demands, especially in a dry year. SGM performed a preliminary review of new supply options, which set the stage for more concentrated efforts by Skyland to identify and acquire the supplies it would need to secure its future. *SGM helped explore, oversee drilling, and developed multiple groundwater wells and supported Skyland as its water rights engineer to permit and obtain new water rights and decrees for augmentation. SGM has inventoried and evaluated the physical and legal adequacy of the District’s total water supply from its various sources, ultimately supported the development of a supplemental groundwater potable drinking water supply to bolster Skyland’s primary spring during drought conditions.*

Contact: Mike Billingsley, Skyland Metropolitan District Manager
Phone Number / Email: 970.349.7411 / mike@skylandco.com
Address: 350 Country Club Dr., Ste. 112A, Crested Butte, CO 81224
Staff Assigned: Eric Bikis, David Schiowitz, Jordan Dimick, and Amanda Webb

Technical Proposal

Introduction

SGM recognizes this project's critical nature to understand better the aquifer system that supplies the Town's sole drinking water source, identify appropriate rehabilitation techniques, and ultimately redevelop the spring system to optimize the available supply to meet the Town's needs. Given the Town's catastrophic water losses in 2019, we understand this initial phase of Hydrogeological Study is paramount to understanding the spatial and temporal relationships between the annual snowpack on Mount Lamborn and the resulting spring flows, which comprise the Town's sole source of water. We also understand that this multiphase project to develop a comprehensive watershed resiliency plan must be completed to show there is a resilient and sustainable water supply to lift the moratorium on future water taps within the Town's service area.

Project Approach

In response to the Town's RFQ, SGM has identified what we believe are the critical action items and deliverables for identified project tasks.

Task 1: Review and Evaluate Publications and Available Data

- SGM proposes an in-person kickoff meeting in January 2024 to discuss our project approach, primary and secondary goals, project drivers, and schedule.
 - During this meeting, SGM staff could review relevant paper files pertinent to the Town's Hydrogeological Study.
- SGM is aware of the following resources and data that will be reviewed and analyzed:
 - Town's ArcGIS Online information system, water rights information available on the Division of Water Resources (DWR) Colorado Decision Support System (CDSS) Database Hydrobase, DWR diversion records for the German Creek Springs Collection Box, Paonia Pipeline, Reynolds Spring Pipeline, Reynolds Spring, Town's metered water datasets, well completion logs available on DWR's website, Colorado Water Conservation Board (CWCB) digital elevation model (DEM) datasets, USGS and CGS geologic maps, 1995 Minion Hydrologic Reconnaissance Assessment of the Town's Raw Water Supply, 2000 GEI Consultants' Water Supply System Expansion Feasibility Study, 2004 Wheeler Feasibility Study, and the JDS-Hydro 2021 Water System Evaluation.
- SGM will review the listed information above to delineate the study area, develop project maps, develop a spring monitoring program, prepare for fieldwork, and to prepare the introductory and background information of the Hydrogeologic Study Project Report.

Task 2: Field Work for Geological Assessment

- SGM will take the information reviewed in Task 1 and will coordinate with Town staff to prepare for a site visit once the snow has generally melted from the project area (ideally April 2024) to visit all decreed and physical spring locations, the collection boxes, pipelines, measurement/metering devices and the Town's reservoirs.
- SGM's visit will also include a geologic investigation of the Mount Lamborn spring complex.
- As described in Task 4, SGM recommends installing multiple shallow piezometers to serve as monitoring and observation (M&O) wells. SGM will coordinate with a licensed contractor, so that

staff can oversee the installation of the M&O wells and equip the wells with water pressure transducers to monitor groundwater levels and flow.

- SGM will use data collected in the field to refine its hydrological modeling and project mapping in other tasks.

Task 3: Hydrological Modeling

- SGM recommends using the Town's existing ArcGIS Online mapping platform and datasets, published geologic mapping and lidar data, to use available ArcGIS modeling packages and toolset including the Spatial and 3D Analyst Toolbox, Groundwater Toolset, and Hydrology Toolset to develop a regional model to approximate the flow characteristics, hydrologic gradient, flow direction and timing through the Lamborn glacial and landslide deposits.
 - Using the available ArcGIS toolsets will streamline the modelling start-up time, eliminate the need for costly software, and will allow Town staff to use existing resources and tools in the future.
 - Should the Town want a detailed groundwater model using a program/model like MODFLOW, SGM could contract with a qualified MODFLOW subconsultant for this portion of the project. SGM notes that our listed fee for this task does not include the fees associated with a MODFLOW subconsultant.
- SGM will use ArcGIS tools to delineate and characterize the recharge basins to the Lake Fork Springs, German Creek Springs, Gelwich Spring, Clark Springs, Pole Patch Springs, Corral Springs, Mays Springs, T&M Springs, Reynolds Creek Springs, Upper Reynolds Creek Springs, and Spor Springs.
- SGM will rely on the available spring collection system diversion, climate data, and overflow measurements, along with USGS gaged streamflows to complete an elevation-adjusted basin yield analysis for the watersheds feeding each of the spring systems.
- Ultimately, SGM will use the available ArcGIS tools to develop an understanding of the local Lamborn glacial and landslide aquifer to develop a conceptual model to help understand the time it takes for snowmelt to discharge at each of the springs.

Task 4: Develop Spring Monitoring Program

- SGM recommends installing a collection of shallow M&O wells near each of the spring complexes and equipping each M&O well and spring collection box with a water-level pressure transducer.
- SGM will deploy the transducers in late April or early May to collect water level readings.
 - SGM will collect the necessary elevation data to establish the local groundwater level and calculate the aquifer's properties, ultimately controlling the groundwater flow.

Task 5: Process Monitoring Data

- Ideally, the spring monitoring program would occur over a period of one to three years. This would allow for a robust dataset to complete the necessary hydrologic model calibration and analyses. SGM understands that the Town will present the final report to the Board of Trustees on October 22, 2024.
- Therefore, SGM would recommend downloading the initial compilation of data by early August 2024. This will maximize the amount of data collected and will allow data to be processed and analyzed so it can be incorporated into the final report.

- SGM recommends that the draft report be written to include the development and installation of spring monitoring equipment, and that the data analysis and findings be included in the final report.

Task 6: Evaluate and Refine Task 2 Objectives

- SGM will consider the information reviewed and data collected to refine the work to be completed in Phase 2 of the long-term Hydrogeological Study.
- SGM will recommend strategies to slow, spread, sink, and store spring water to support optimal diurnal flow demands and improve source water quality.
 - SGM anticipates that recommendations will be vetted with Town staff and a collaborative prioritization of projects will occur.
 - SGM also plans to identify local, state, and federal permitting actions that may be necessary to implement the strategies in Phase 2.

Task 7: Cooperative Meetings to Identify Spring Improvements

- SGM anticipates having virtual check-in meetings with Town staff monthly.
- As identified in Task 5, SGM plans to vet the refined objectives and recommendations for Phase 2 of the long-term Hydrogeological Study. SGM recommends this meeting be in person, and we will explain project mapping, preliminary data analyses, and our recommendations.
- Once recommendations are vetted, SGM can work with Town staff to prioritize projects in a manner that considers the biggest increases in yield, costs, permitting requirements, ability to implement, and likelihood of success.

Task 8: Report, Conclusions, and Recommendations

- SGM will use the information reviewed, work completed, and project mapping in Tasks 1 through 4 to complete the draft Hydrogeological Study Report.
- SGM will outline the entire report and complete as much information as possible while meeting the June 28, 2024, deadline.
- SGM will compile the spring monitoring data, summarize the work completed in Tasks 5 through 7, and provide a final draft Report with conclusions and recommendations for Town Staff by September 13th for final review.
- SGM will incorporate Town staff comments and prepare the final Hydrogeologic Study Report for the October 22, 2024, presentation to the Board of Trustees.

Detailed Schedule

In response to the Town’s RFQ, SGM has developed the following project schedule. SGM understands the Town’s schedule and confirms we can complete the work within the specified period.

Task	Jan-24	Feb-24	Mar-24	Apr-24	May-24	Jun-24	Jul-24	Aug-24	Sep-24	Oct-24
1 Review and Evaluate Publications & Available Data										
2 Field Work for Geological Assessment & Delineation										
3 Hydrological Modeling										
4 Develop Spring Monitoring Program										
5 Process Monitoring Data										
6 Evaluate and Refine Phase 2 Objectives										
7 Cooperative Meetings to Identify Spring Improvements										
8 Report, Conclusions, and Recommendations										
9 Project Management										

References

The greatest compliment a consultant receives is the recognition of a job well-done by a client. We welcome you to call our references to hear for yourself the professionalism SGM provides and our ability to deliver client satisfaction, on-time, and within budget. *For client references, please refer page 7. Client contact information is located under each project description.*

Total Estimated Not-to-Exceed Cost

In response to the Town’s RFQ, SGM has developed the following project budget. This budget includes all labor, materials, sub-consultants, and indirect costs. SGM understands the Town requires a maximum not-to-exceed cost, which is shown below.

Task	Hours	Labor Costs	Reimbursable Expenses/ Subconsultant Fees	Total Cost
1 Review and Evaluate Publications & Available Data	120	\$17,200	\$800	\$18,000
2 Field Work for Geological Assessment & Delineation	110	\$17,000	\$4,500	\$21,500
3 Hydrological Modeling	160	\$24,200	\$0	\$24,200
4 Develop Spring Monitoring Program	100	\$16,500	\$40,000	\$56,500
5 Process Monitoring Data	120	\$18,200	\$500	\$18,700
6 Evaluate and Refine Phase 2 Objectives	40	\$7,800	\$800	\$8,600
7 Cooperative Meetings to Identify Spring Improvements	60	\$11,100	\$1,600	\$12,700
8 Report, Conclusions, and Recommendations	130	\$22,200	\$0	\$22,200
9 Project Management	60	\$11,600	\$0	\$11,600
Total	900	\$145,800	\$48,200	\$194,000
Total Not-to-Exceed Cost:				\$194,000



RESUMES



**Geologist / Water
Resources Team Leader**
Durango Team

Education
BS Geology, Fort Lewis
College, Durango, 2008

Registration/Certification
GIS Analyst

General Background

David, a prominent member of the Durango Water Resources Team, has over 14 years of experience with water resource evaluations, water adequacy compliance, water rights evaluations, including historical consumptive use analysis and assessment of lagged depletions and return flows. David works on a wide variety of projects conducting GIS analyses and database management, water well construction and design, aquifer performance analysis, water quality analysis, environmental monitoring, and geologic evaluations. David's work involves a combination of technical analysis and consultations with attorneys, local government staff, and State and Division Engineer's Office staff.

Summary of Experience

Water Rights. David's experience includes providing support for water rights applications, change cases, and augmentation plans. Tasks have included calculations and graphics to support the application and decree, providing responses to objectors, attending expert meetings, conducting historical consumptive use analysis, lagged depletions and return flow evaluations, and generating accounting workbooks.

Water Supply Adequacy Assessments. David has assessed water supply, water rights, and water demands for proposed developments. Projects were evaluated in terms of the adequacy to support the development and for compliance with county water supply standards. This included an assessment of the potential physical and legal yield of the water rights, hydrogeological studies to determine recharge sources and impacts, and recommendations to improve the legal and physical water supply.

Wells Assessments. To assess wells during well drilling projects, David has logged drill cut samples, noting changes in bedrock and water and fracture zones. This information was used to create geologic well logs and aided in the design and the construction of the well. Once water wells were constructed, David developed and oversaw pumping test programs to help determine well capacity, yield and aquifer characteristics.

Environmental Analyses. David has used ArcGIS 10 and various GIS databases and geoprocessing tools to assess potential environmental impact from proposed projects. The resulting data and supporting documentation was submitted as environmental reports to various federal, tribal, and local agencies. Representative tasks included records review, physical setting description, site reconnaissance, interviewing and a report of the findings.

Representative Project Experience

Water Rights Experience

**Water Rights Change Case
and Augmentation Plan**
2015 - Present

City of Monte Vista, CO. Provided technical support on behalf of the City and its water rights through the Division 3 Groundwater Rules Making Process. Provided technical water rights support for the City's 2016 application for an augmentation plan, appropriative rights of exchange, and change of use of its senior irrigation water rights for municipal purposes.

Water Rights Application
2010 - 2015

Telluride Ski & Golf and the Town of Mountain Village, CO. Provided technical calculations in the evaluation of water rights and water supply needs for the Telluride Ski Resort and Town of Mountain Village. This included calculations to support an application and pending decree for water rights to ensure an adequate water supply in the future. Tasks included an evaluation of timing of machine snow return flows and analyses of possible effects on decreed instream flow water rights, analysis for flow needed for previously decreed HCU credits, and analysis of the location and timing of depletions from well pumping and irrigation return flows.

Water Rights Experience (Cont.)

Augmentation Plan 2009 - Present

San Miguel Valley Corporation, Telluride, CO. Provided technical support for an augmentation plan for a subdivision on the San Miguel River. Tasks included calculations to support the application, expert report and decree, responses to objectors and generating accounting sheets.

Water Rights Application 2009 - Present

Water Rights Application in San Juan Basin, CO. Prepared multiple tables and figures to support two water rights applications to the state, as well as, filed water well permits and supporting documentation for 135 coalbed methane wells in the San Juan structural basin, Colorado.

Streamflow Analysis 2009 - 2010

Streamflow Analysis, Huerfano County, CO. Prorated daily data from different streamflow measurement devices to estimate streamflow in the Huerfano and Cucharas Rivers along specific stream reaches. The resulting data, along with existing water right diversion records, were used to analyze the feasibility of proposed instream flow reaches on each of the rivers.

Augmentation Plan 2008 - Present

Aldasoro Ranch Homeowners Company, Telluride, CO. Provided technical support for an augmentation plan for a subdivision on the San Miguel River. Tasks included delayed depletions analysis and lagged return flow analysis and other calculations to support the application and decree, responses to objectors and generating accounting sheets.

Water Rights Case 2008 - 2014

Divide Ranch Golf, Ridgeway, CO. Provided technical support for a water case and augmentation plan for a golf course on the Uncompahgre River. Tasks included delayed depletions analysis, consumptive use analysis and lagged return flow analysis and other calculations to support the application, responses to objectors and generating accounting sheets.

Water Rights Application and Augmentation Plan 2007

Skyland Metropolitan District, Crested Butte, CO. Provided technical support for water rights applications and augmentation plans on the East River and on the Slate River. Also, provided technical support for a water rights change case on the Slate River and a lake diligence application on the Slate River. Tasks included calculations to support the applications and decrees for each case, responses to objectors, historical consumptive use analysis, delayed impact analysis from pumping wells, lagged return flow analysis and generating accounting to support the augmentation plans.

Augmentation Plan 2007 - Present

SquareTop Ranch, Pagosa Springs, CO. Provided technical support for a water rights change case and augmentation plan for a subdivision on the San Juan River. Tasks included delayed depletions analysis, historical consumptive use analysis and lagged return flow analysis and other calculations to support the application, responses to objectors and generating accounting sheets.

Water Rights Application 2006 - Present

La Plata Water Conservancy District, La Plata County, CO. Conducted in-depth water rights research and performed on-site field work. Integrated all data into tables and figures and prepared a comprehensive water rights report. Obtained substitute water supply plans to supply water for the construction of Long Hollow Reservoir. Tasks included historical consumptive use analysis, estimating demands for the project and determining and securing augmentation sources for the plans.

Water Rights Change Case and Augmentation Plan 2006

Bootjack Ranch, Pagosa Springs, CO. Provided technical support for water rights change cases, augmentation plans and diligence applications on the West Fork of the San Juan River. Tasks included calculations to support the applications for each case, responses to objectors, historical consumptive use analysis, delayed impact analysis from pumping wells, and lagged return flow analysis. Developed and implemented a groundwater monitoring program. Generated accounting to support the augmentation plans.

Water Supply Adequacy Assessments Experience

Water Assessment 2015 - Present

Durango Visions, Durango, CO. The water supply, water rights, and water demands for the proposed development were evaluated in terms of their adequacy to support the development and for compliance with La Plata County's Water Supply Standards. This included an assessment of the potential yield of the water rights, hydrogeological study to determine recharge sources and impacts, and recommendations to improve the water supply.

Water Assessment 2009 - Present

San Miguel Valley Corporation, Telluride, CO. The physical water supply and demands for the proposed development were evaluated in terms of their adequacy to support the development and for compliance with San Miguel County's Water Supply Standards. This included an assessment of the estimated demands, potential yield of the water rights and water quality of the potable water supply.

Water Assessment 2006 - Present

Glacier Club, Durango, CO. The water supply, water rights, and water demands for the proposed development were evaluated in terms of their adequacy to support the development and for compliance with La Plata County's Water Supply Standards. This included an assessment of the potential yield of the water rights, determined demands based on actual use, and estimated demands for a new development at Glacier Club.

Well Experience

Well Analysis 2015

Skyland Metropolitan District, Crested Butte, CO. Oversight for drilling of wells on the property. Collected drill cutting samples, noting changes in bedrock and water and fracture zones. Used data to create geologic well logs and designed the construction of the well. Developed a pumping test program to determine well capacity and yield and aquifer characteristics.

Groundwater Investigation 2011 - 2015

Navajo State Park, Archuleta County, CO. Oversight for the drilling of three wells at the State Park. Collected drill cutting samples, noting changes in bedrock and water and fracture zones. Used data to create geologic well logs and designed the construction of the wells. Developed a pumping test program to determine well capacity and yield and aquifer characteristics.

Well Analysis 2009 - 2011

Divide Golf, Ridgway, CO. Oversaw the drilling of wells on the property. Collected drill cutting samples, noting changes in bedrock and water and fracture zones. Used data to create geologic well logs and designed the construction of the well. Developed a pumping test program to determine well capacity, yield, and aquifer characteristics.

Pump Test 2008

Southern Ute Indian Tribe in Archuleta County, CO. Performed a pump test on a private domestic water well and used resulting data to analyze drawdown and recovery rates. Advised client on water production capabilities versus demand based on the results.

Environmental Analyses

Environmental Site Analysis 2013

Rafter T Ranch, Archuleta County, CO. Conducted a Phase I Environmental Site Assessment of a large ranch near the Piedra River. Tasks included records review, physical setting description site reconnaissance, and interviews and a report of the findings.

Environmental Impact Analysis 2009 - 2010

La Plata West Water Authority, La Plata County, CO. Used ArcGIS 10 and various GIS databases and geoprocessing tools to assess potential environmental impact from a proposed domestic water supply system in La Plata County, Colorado. The resulting data and supporting documentation was submitted as an environmental report to various federal, tribal, and local agencies.

Other Experience

Environmental Impact Analysis 2006

Biohabitats, Missionary Ridge Burn Area, Durango, CO. Surveyed and treated noxious weeds in the Missionary Ridge Burn area using a Trimble GeoExplorer GPS unit for the San Juan National Forest. Data was differentially corrected and imported into an existing geodatabase.

GIS Analysis 2005 - 2006

Fort Lewis College, Department of Institutional Research, Durango, CO. Used Microsoft Excel and ArcGIS to analyze admission, alumni, retention, and graduation statistics. Generated thematic maps of trends in admission, alumni, retention, and graduation rates based on high school of origin. Maps were used for marketing purposes.

Survey 2005

San Juan Resource Conservation and Development, Durango, CO. Surveyed irrigations ditches in La Plata and Archuleta County. Incorporated data into geodatabases for the NRCS.



Design Engineer
Wastewater Team

Education
BS Civil Engineering,
Colorado School of Mines,
2003

Registration/Certification
Professional Engineer, CO

Colorado Class D
Wastewater Operator

**2.46 MGD Nutrient Removal
Improvements Project
2013 - Present**

General Background

Brandyn, a Design Engineer, has worked for SGM since 2003 and has experience in design and construction of water and wastewater treatment facilities, water/wastewater pump stations, water storage tanks, water and sewerline reconstructions, road reconstruction roundabout design and drainage projects. Brandyn also has experience in the Colorado Department of Health and Environment permitting process for water and wastewater treatment plants.

Summary of Experience

Wastewater / Water Treatment. Brandyn has been involved with various aspects of many different wastewater treatment projects including the Town of New Castle, Town of Rangely, Town of Eaton, City of Rifle, City of Glenwood Springs, City of Salida, Snowmass Water and Sanitation District, Roaring Fork Water and Sanitation District and Eagle River Water and Sanitation District. His involvement ranges from design, project management, construction observation, to public meetings and coordination with the Colorado Department of Health and Environment.

Transportation. Brandyn has completed roundabout designs for the City of Rifle and road reconstruction projects for the Town of Carbondale. Brandyn's involvement included design, coordination with the owners and the Colorado Department of Transportation, construction management and regular attendance at public meetings.

Drainage. Brandyn has been involved with many drainage projects including a study prior to the design of the roundabouts for the City of Rifle. Brandyn has completed drainage studies/reports for the Love development in Rio Blanco County and the WJ Ranch development in Pitkin County and has been involved in drainage analysis when designing/expanding wastewater treatment facilities.

Representative Project Experience

Snowmass Water and Sanitation District, Snowmass, CO. Served as Design Engineer for the \$25M nutrient improvement project. SGM has been working with SWSD since 2013 and secured a CDPHE nutrient improvement study grant for the District in 2014. The study included evaluation of the existing facility and needs for meeting the then pending WQCD Regulation 85 nutrient removal requirements. In 2016 SGM began design of a new enhanced biological nutrient removal facility that consisted of repurposed existing structures and new process technologies. Tasks included:

- Hydraulic analysis, plant design, plan, and specification preparation
- Process evaluation
- Integration of new, complete SCADA system
- Complete permitting and design
- Process design components
 - A20 process reactors
 - Clarifiers
 - Tertiary filtration
 - Chemical feed systems
 - UV disinfection
 - Nutrient removal monitoring and control system

Representative Project Experience - (cont.)

Salida 2.7 MGD Wastewater Treatment Facility 2009 - 2012

City of Salida, CO. Served as Process Design Engineer for the \$15M plant expansion and upgrade to 2.7 MGD. The project started as a plant evaluation with a rate study and resulted in a facility master plan with IFAS process upgrade for nitrification-denitrification. Tasks include:

- Process evaluation
- IFAS design for retrofit expansion to 2.7 MGD with UV conversion
- Integration of new, complete SCADA system
- USDA funding coordination
- Complete permitting and design
- Bidding and construction

Glenwood Springs Regional Wastewater Treatment Facility 2007 - 2011

City of Glenwood Springs, CO. Served as a Design Engineer for the \$28.5M Glenwood Springs WWTF improvement and relocation project. This project is the expansion and relocation of the existing wastewater treatment facility to a location approximately three miles west of town. The project involved complete permitting and design of a new 2.0 MGD advanced wastewater treatment facility, a 9.0 MGD peak flow lift station and roughly three miles of force main. Tasks included:

- Design of new lift station and site improvements, and design of new UV disinfection building and non-potable system
- Project management and coordination with the city and subcontractors

New Castle 0.6 MGD Wastewater Treatment Facility 2007 - 2009

Town of New Castle, CO. Served as a Project Manager for the \$8M project that involves expanding the Town of New Castle's existing wastewater treatment facility from 0.2 MGD to 0.6 MGD. Tasks included:

- Providing alternative analysis and recommendations for treatment process through master planning process
- Design of new RAS/WAS pump station, 50' diameter clarifier, aeration basins, digesters, centrifuge building, and UV disinfection
- Construction of and observation of new wastewater facility, providing process kinetics, pump calculations, etc.
- Obtaining permits, reviewing submittals, and responding to RFIs, project management and coordination with city and subcontractors
- Producing project scope, budgets, construction plans, and project specifications in preparation of bidding

Rifle Regional Wastewater Reclamation Facility 2007 - 2009

City of Rifle, CO. Served as a the Design Engineer for the \$23M construction project of a new 2.0 MGD wastewater treatment facility for the City of Rifle. Tasks included:

- Providing alternative analysis and recommendations for treatment process, design of three new oxidation ditches, splitter boxes, three 60' diameter clarifiers, RAS/WAS pump building, and UV disinfection
- Providing hydraulic analysis, and obtaining permits, reviewing submittals, and responding to RFIs, and project management and coordination with the city and subcontractors
- Producing project scope, budgets, construction plans, and project specifications in preparation of bidding



Principal Consultant

Water Resources Team

Education

BS Mathematics, Ohio University, 1976

MS Hydrogeology, Ohio University, 1978

Registration/Certification

Professional Geologist, WY

CSM Management Program

General Background

Eric is a hydrogeologist with 45 years of hydrological, hydrogeological, geological, and geophysical professional experience. He has managed multiple water supply and water planning studies, many of which have been subsequently implemented. Eric has experience evaluating water rights for water court applications, including augmentation plans, studying water quality issues, and overseeing environmental analyses, including NEPA studies. Eric regularly conducts evaluations to determine the nature and extent of groundwater movement from recharge areas to discharge areas such as springs and seeps, and routinely locates, tests, and completes water supply wells and evaluates water supply adequacy. Eric has also performed geologic hazard evaluations and investigated and defined geothermal springs for alternative energy sources and recreational use. Eric founded and managed Bikis Water Consultants for nine years before joining SGM in 2015

Representative Project Experience

Water Rights Project Experience

Skyland Metropolitan District, Crested Butte, CO. Assisted with technical aspects of water rights purchase of senior ditch. The purchase is part of a cooperative effort between the District, CWCB, and the Colorado Water Trust. Stream flow enhancement in the Crested Butte area will benefit the public, while the credits from the dry-up of historically irrigated lands will be used to offset some of the Districts' out-of-priority depletions.

Provided technical assistance for the filing of three water court applications for wells in both the Slate and East Rivers, and Plans for Augmentation of each water supply. Decrees were obtained for each of the three applications.

San Luis Rey Indian Water Authority, San Diego County, California. Project Manager for one aspect of a water rights settlement between the U.S.A. and five Indian Bands. An evaluation was performed that assessed the feasibility of operating a Plan for Exchange for 16,000 acre-feet of water included in the settlement.

San Miguel River Minimum Instream Flows, CO. Project Manager for basin hydrology and bioassessment studies on the San Miguel River and Prospect Creek near Telluride, Colorado. Information from these reports was considered when the Colorado Water Conservation Board (CWCB) filed water right applications to establish minimum instream flows in the upper reach of the San Miguel River. The CWCB is a governor-appointed body whose mission is to promote the protection, conservation, and development of Colorado's water resources. The CWCB has about 1500 water rights in Colorado, covering 8500 miles of stream and 500 natural lakes.

Evaluated a proposed instream flow in the lower San Miguel River proposed by the CWCB. Work included stream flow measurements, data analysis using the R2Cross methodology, and water availability assessment.

Chevron U.S.A., La Plata and Archuleta Counties, CO. Perform technical aspects of well permitting and water rights for coalbed methane wells in the northern San Juan basin. Potential impacts to streams from produced water were assessed and are being replaced to avoid injury to other vested water rights.

Town of Telluride, CO. Expert hydrogeologist for objectors to proposed change of water rights case. Case settled after depositions but before trial.

Representative Project Experience

Water Rights Project Experience (Con't.)

Town of Mountain Village and Telluride Ski Company, CO. Assisted in developing two Plans for Augmentation for the town, ski resort, and golf course. Water supply is derived from both wells and streams and utilizes reservoir storage. Historical consumptive use credits for ditches allow these entities to divert and use water during the irrigation season. Water court decrees were obtained to supply the revised town and ski area comprehensive plan.

Airport Reconstruction, Telluride, CO. Preparation of a substitute water supply plan for water supply during the reconstruction of the airport runway and associated facilities. Industrial water for compaction, dust control, material washing, and other uses totaling 576,000 gallons per day was secured for the project between April and November. A ditch Carriage Agreement was executed to allow for gravity water delivery via gravity, which saved on trucking and pumping costs while simultaneously reducing noise and air pollution. A temporary and affordable water replacement source was secured to avoid injury to senior water rights during the summer call period.

Bootjack Ranch, Pagosa Springs, CO. Project Manager for a plan for augmentation in San Juan River drainage that will serve the proposed development at a 3,500-acre ranch. Scope of services included calculations of historical consumptive use of irrigation water rights, lagged return flow obligations, projected demands for the proposed development, and utilization of recharge pits to ensure non-injury of CWCB water rights. In separate cases, water rights were filed for and decreed for multiple lakes and other water facilities for utilization at the ranch.

Energy Fuels Resources Corporation, Bedrock, CO. Project Manager for water rights application in which depletions from the proposed operation of a mill in western Colorado were assessed. An Injury with Mitigation proposal was prepared according to guidelines set forth by the CWCB. The CWCB accepted the proposal judging that it adequately protected their instream flow water rights on a portion of the Dolores River.

Water Supply Planning & Development Project Experience

Durango-LaPlata Airport Business Park, La Plata County, CO. Evaluated the adequacy of the water supply for the proposed Airport Business Park and the consistency of the supply with the County's water standards. Both the physical and legal aspects of the proposed supply were considered, along with potential effects on the County's water rights and supply for the airport. Impacts of water rights administration on the yield of the water rights for the project, including existing instream flow water rights held by the Colorado Water Conservation Board, were investigated.

Recommendations were made to ensure an adequate water supply for the proposed project consistent with County standards.

Long Hollow Reservoir, La Plata County, CO. Project Manager for a 5,300 acre-foot reservoir to be used to meet La Plata River Compact obligations with New Mexico and to benefit irrigators. The project includes a Biological Assessment, Section 7 Consultation for threatened and endangered species, Section 404 Permit, groundwater flow evaluation, water rights analyses, river and reservoir modeling, feasibility-level dam design, and reservoir operations.

Town of Mountain Village, Telluride, CO. Project Manager for the design and development of water supply to meet the current and future needs of an expanding resort project located on the Telluride Ski Mountain. Two high-yielding (1,000 gpm) alluvial wells with excellent water quality were constructed in 1991 and multiple on- mountain bedrock wells have been constructed to help meet projected water demand. The Town of Mountain Village is projected to supply approximately 3,250 units at full build-out.

Water Supply Planning & Development Project Experience (Con't.)

San Juan County, Utah. Project Manager and lead groundwater investigator for countywide Water Master Plan and Water Conservation Plan. Scenic San Juan County is located in southeastern Utah, consisting of more than 5 million acres. The master plan estimates population and water demands for the years 2020 and 2050 and provides alternatives for the development of additional water supply. The conservation plan outlines measures for saving existing agricultural and culinary water through increased efficiency.

Pauma Indian Reservation, Pauma Valley, CA. Development of water resources on the Reservation included an initial site-wide geophysical investigation, drilling, and design of an irrigation well and two monitoring wells, and rehabilitation of three existing wells. The findings of the study helped to establish groundwater resources underlying the Reservation and the safe yield of the wells. These wells helped meet water demands for a Tribal citrus orchard project. Approximately 15,000 Valencia orange trees, lemon trees, and avocado trees were planted. Also located, designed, constructed, and tested three domestic wells to provide potable supply for Reservation homes and existing casinos. Other projects included a water mass balance study, watershed study, wellhead protection study, basin hydrology, and hydrologic study of adjacent mountain lands to determine the hydrogeologic regime for the area and the interaction between surface water and groundwater.

Durango Mountain Resort, Durango, CO. New well sites were selected using lineaments from aerial photography, geologic field mapping, and evaluation of lithologic and production characteristics of existing wells. One test well was constructed.

Aldasoro Ranch Development, Telluride, CO. Project Manager for legal and physical water supply work, which included a plan for augmentation and construction of wells in a 165-home development to provide water for the residents. Results from geophysical investigations were used to select well locations. Full build-out water demands have been met.

Skyland Metropolitan District, Crested Butte, CO. Performed geophysical and geological investigations for additional groundwater supply. Proven water supplies have allowed for the construction of additional phases in the District's service area. Developed a water supply plan that evaluated alternative sources to meet full build-out demands and several augmentation supplies to replace out-of-priority depletions. Oversaw the construction of multiple productive wells to provide potable and un-potable water supply for the project. The District developed a long-range plan based on this work.

Town of Ophir, San Miguel County, CO. Assisted a small community on the Howard's Fork San Miguel River with regulatory and water issues pertaining to a water source for the town's potable, fire, and possibly hydropower supply.

Gray Head at Telluride, CO. Project Manager for water supply and development of a 25-lot development near Telluride, Colorado. Water supply included both surface water and well sources.

Alpine Lakes Ranch, Chromo, CO. Project Manager for a project that included water supply alternatives study and water supply development. Wells were located, designed, tested, and connected.

Bootjack Ranch, Pagosa Springs, CO. Project Manager and investigator of a multi-faceted water supply development plan that included analysis of senior priority ditches, springs, and domestic and irrigation wells. The firm yield of the ditches and wells was assessed. Water quality evaluations for the wells were conducted to ensure suitability for domestic use.

Fish and Cross Ranch, Yampa, CO. Assessed water supply adequacy for a project in conformance with the Land Preservation Subdivisions regulations in Routt County, Colorado. The project scope includes well yield, water quality, water rights, and geothermal analyses.

Water Supply Planning & Development Project Experience (Con't.)

Boy Scouts of America, Denver Area Council, San Miguel County CO. Designed and tested one unconfined well to fulfill the water needs of a camp expansion at the Peaceful Valley Ranch site. Performed a long-term pumping test on a confined Denver Basin aquifer well to specify a pump for and determine the safe yield of the well. Also, quantified available groundwater reserves available from the Denver Basin aquifer system.

Navajo State Park, Arboles, CO. Assisted Colorado State Parks with evaluating the water demands and supply at Navajo State Park in Archuleta County, Colorado. Planning for the development of additional supply was also conducted. Subsequently, an additional water supply was developed.

La Plata West Water Authority, Durango, CO. Project Manager for the development of a rural domestic water supply.

Groundwater Project Experience

Rocky Mountain Oil Testing Center, Natrona County, Wyoming. Conducted an alluvial groundwater study for the Department of Energy at the Naval Petroleum and Oil Shale Reserve (Teapot Dome Field) to be used when developing the site closure plan.

Red Mesa Aquifer Study, Red Mesa, CO. Aquifer characterization study that included water level monitoring of wells in glacial outwash deposits for more than a year.

These data were utilized to develop water table maps and groundwater flow paths. Recharge sources were defined, and travel times to discharge points were estimated. The Red Mesa Aquifer was calculated to have approximately 165,000 acre-feet of water in storage, about one-half of which is recoverable. An artificial recharge program is planned to utilize additional storage capacity available in the aquifer. Ongoing well monitoring will help to assess project results.

Divide Ranch and Club, Ridgway CO. Conduct investigation of groundwater yield for golf course supply, including rehabilitation of existing wells, siting and drilling of new wells, and wellfield monitoring program. Water rights portfolio enhancement and water storage also were assessed.

Rocky Boy Indian Reservation, Montana. Performed groundwater study to determine the amount of groundwater resources available beneath the reservation. Findings from this study made available for a water rights settlement between the Tribe and the State of Montana.

Southern Ute Indian Tribe, Ignacio, CO. Lead investigator for reconnaissance-level investigation of groundwater resources that assessed the potential for water supply development on Tribal lands in southwestern Colorado. Also assisted the Tribe in assessing the yield of wells on Tribal lands.

Chaco Trails, Navajo Reservation, New Mexico. Groundwater resource evaluation includes pumping and water quality tests of several existing wells to assess potential aquifer yield. Subsequent regional hydrogeologic evaluation is planned to investigate regional recharge sources and develop an opinion of aquifer safe yield for a planned resort community.

National Hog Farm, Greeley, CO. Characterized the local groundwater flow regimes and evaluated the impact of land application of effluent on the local groundwater quality and potential impacts on the water quality of the South Platte River.



Senior Engineer

Water Resources Team

Education

BS in Geophysical Engineering, Colorado School of Mines, 2004

MS Hydrologic Science and Engineering, Colorado School of Mines, 2007

Registration/Certification

Professional Engineer, Colorado, #43775

General Background

Jordan has over a decade of water resource and water rights engineering experience, including water rights adjudication engineering support, water demand and usage analyses, water supply planning projects, water supply infrastructure planning, water allocation modeling, master planning, and water quality analyses. He has provided engineering support and served as an expert witness in multiple water court applications. Jordan also has experience in local, state, and federal permitting compliance. He has direct field experience with procedures in collecting, organizing, interpreting, and reporting geological, geophysical, and water quality data. In addition, Jordan is experienced in designing ground water wells, well fields, and aquifer performance tests. He joined SGM in 2016 and is located in our Durango office.

Jordan has experience with MODFLOW, GMS, PHREEQC, AQTESOLV, Visual Basic, multiple analytical/empirical models and code editors. He is a master of Microsoft Office Suite, ArcGIS, MODSIM, AquiferWin32, TextPad, and WinSitu.

Summary of Experience

Water Rights Development and Protection. Jordan has authored dozens of expert disclosure reports on behalf of clients as both an applicant and objector; developed plans for augmentation and appropriate rights of exchange and reuse; completed engineering analyses such as: historical consumptive use, exchange potential, firm yield, evaluated sources of supply, demand forecasting, growth projections, historical call regimes, and proposed reservoir operations; has developed water rights accounting tools for multiple clients; and has provided expert testimony multiple times in Division 1 Water Court.

Water Supply Master Planning. Jordan has led master planning activities and engineering analyses for individual water supply providers and multiparty groups. Analyses completed include: water allocation modeling; surface water and reservoir firm yield analyses; preliminary design of raw water infrastructure sizing and allocation of costs to project participants; water demand and growth projections; water usage analyses; and source water development strategies.

Water Allocation Modeling. Jordan has experience utilizing MODSIM for raw water supply allocation modeling. In addition, Jordan has developed multiple Microsoft Excel water allocation models and hydrology analysis tools to assess: water supply adequacy; water supply and reservoir firm yield; infrastructure and treatment capacity limitations; water supply availability and infrastructure sizing; reservoir operations; exchange potential; impacts of competing water rights interests such as an instream flow appropriations; optimization of potable and non-potable demands; water availability for reuse supplies; raw water supply optimization; and potential impacts on streamflow.

Groundwater Supply Development. Jordan has extensive experience in groundwater supply development, including: well siting; well drilling observation; well design and construction observation; aquifer performance testing; infiltration gallery design; well field design and development; and the design and construction observation of horizontal directionally drill (HDD) alluvial wells. Jordan has direct field experience with the collection and interpretation of hydrologic, geologic, water quality, and geophysical data.

Local, State, and Federal Permitting Support. Jordan has led project efforts to meet: local municipalities' permitting requirements such as floodplain development and grading, erosion, and sediment control permitting; state permitting requirements such as water well permitting, well construction variance approval, and discharge permitting; and federal permitting such as USACE nationwide permit approval, Environmental Assessment work, and Environmental Impact Statement work, and coordination with the US Fish and Wildlife Service through local Habitat Conservation Plans.

Representative Project Experience

Post 416 Fire Watershed Protection Program Management 2019 – Present

La Plata County, CO. Jordan has served as the project manager to administer and manage La Plata County's Emergency Watershed Protection (EWP) federal grant from the Natural Resources Conservation Service (NRCS) to protect lives and property from post-416 Fire flood events. Specific activities include stakeholder communication and engagement, construction management services (such as cost estimating, bidding support, and construction observation), engineering design, surveying, and project permitting. Jordan managed the coordination of more than 100 individual landowners across 10 complexes.

Agricultural Engineering 2018 - Present

Root & Ratliff Ditch Company, Mancos, CO. Jordan has served as the project manager for the Root & Ratliff Pipeline Project. SGM's services include the survey, design, and completing the local, state, and federal permitting requirements for a 4.7 mile pipeline from the Mancos River to deliver irrigation water to more than 1,700 acres of historically irrigated lands in the Mancos River Valley. The Root & Ratliff Ditch Company obtained grant funding from the Bureau of Reclamation under its Colorado River Salinity Control Program to replace 5.4 miles of its more than 100-year old ditch with a central irrigation pipeline to deliver pressurized irrigation water to its shareholders.

Water Rights Engineering Support 2016 - Present

La Plata Planning Department, CO. Provided multiple independent reviews on behalf of the La Plata County Planning Department of proposed residential and commercial projects' raw water demands, water supply sufficiency, water supply adequacy reports, and adherence to the La Plata County Code of Ordinances.

Water Rights Engineering Support 2016 - Present

City of Monte Vista, CO. Provided water rights engineering support on behalf of the City of Monte Vista and its water rights through the Division 3 Groundwater Rules adjudication process; led the water rights engineering support for the City's 2016 application for an augmentation plan, appropriative rights of exchange, and change of use of its senior irrigation water rights for municipal purposes; and completed the engineering support on behalf of the City for its 2017 Water Efficiency Plan grant application to the Colorado Water Conservation Board.

Water Rights Engineering Support 2016 - Present

Williams Fork East, Rio Blanco County, CO. Provided water rights engineering support on behalf of the Williams Fork East property's owners in their water rights application for an enlargement in the Egry Mesa Ditch (Division 6); and provided water rights engineering support on behalf of the Williams Fork East property owners, as an objector to nearby ranches' application for an enlargement of the Egry Mesa Ditch.

Water Rights Investigation and Documentation 2016 - Present

Town of Mountain Village and Telluride Ski and Golf, Telluride, CO. Led an investigation of potential implications to the Town of Mountain Village and Telluride Ski and Golf water rights given a potential lease of a senior irrigation water rights to the Colorado Water Conservation Board for its instream flow use; and completed the water sufficiency documentation for the Telluride Ski and Golf's inclusion of the U.S. Forest Service Water Clause in its special use permit.

Water Rights Accounting 2016 - Present

Skyland Metropolitan District, Crested Butte, CO. Developed a daily water rights accounting workbook for Skyland, to comply with its various decreed water usage reporting requirements.

Representative Project Experience (cont.)

Water Rights Engineering and Water Resources Support 2012 - 2016

City of Black Hawk, CO. Completed, collaborated on, and oversaw: historical irrigation use analyses and multiple disclosure reports; demand projections; water rights evaluations; litigation support (expert testimony); and water system modeling for reservoir sizing and system firm yield estimates. Completed significant engineering analysis on behalf of the City of Black Hawk in support of its plan for augmentation, appropriate rights of exchange and storage, and change of use of its senior irrigation water rights in four ditches. Led an investigation on the available physical flows within North Clear Creek to assist the City in negotiations with local, state, and federal entities to support a healthy fishery, while ensuring an adequate water supply is available for the City's future demands.

Water Resources Master Plan 2012 - 2016

Town of Berthoud, CO. Managed the Town's Water Resources Master Plan, which included: a historical demand analysis by customer type and end use to develop potable and non-potable system unit demands; developed total buildout potable and non-potable demands; reviewed the Town's water rights and supply availability; and prioritized the Town's non-potable system expansion areas. Developed a raw water allocation model to assess the potable and non-potable demands in five incremental scenarios to build-out; optimized the use of the Town's water supplies for both potable and non-potable systems; and identified the Town's future water supply needs. Worked with the Town to develop the Town's non-potable plan; identified key non-potable infrastructure components; identified non-potable planning level design criteria and costs; and integrated the completed work into a Water Resources Master Plan.

Water Rights Engineering and Analysis 2012 - 2016

City of Lakewood, CO. Provided water rights engineering support on behalf of the City of Lakewood and its water rights, as an objector, to a mining company's application to change senior irrigation water supplies along Bear Creek for its industrial uses; and led an engineering analysis to review previous historical consumptive use studies and provided engineering support on behalf of the City of Lakewood.

Water Resources Permitting Support 2008 - 2016

Town of Castle Rock, CO. Supported the Town with its local, state, and federal permitting requirements for its alluvial wellfield development including: Town floodplain development and GESC permitting; Colorado well construction, well variance approval, and discharge permitting; and federal USACE and USFWS Habitat Conservation Plan coordination.

Water Resources Support; Alluvial Well Field Design and Construction 2008 - 2016

Town of Castle Rock, CO. Collaborated with the Town's Utilities Department on numerous water resources planning and engineering projects: alluvial aquifer characterization along East Plum Creek; vertical and horizontal directionally drilled (HDD) alluvial well designs; well construction observation; aquifer performance testing; geological and water quality sample collection and interpretation; multiparty studies focusing on regional collaboration of water supplies and infrastructure; and the Town's Water Resources Implementation Plan. Developed the Town's water supply forecasting model to analyze various future water supply portfolios, water supply operations, and assess when the Town's growth would require renewable supplies to meet its future water demands. Assisted in the development of Castle Rock's water rights accounting tool and SQL server database configuration.

Representative Project Experience (cont.)

Water Resources & Engineering Support 2009 - 2012

U.S. Army Corps of Engineers, CO. Supported the USACE as a Third Party Contractor for the Cities of Fort Collins and Greeley in their Halligan and Seaman Reservoirs EIS. Duties included reviewing and modifying the cities' MODSIM water allocation models and Excel pre- and post-processing workbooks; and completing screening of the project's concepts, elements, and alternatives.

Master Planning, Permitting & Water Resources Engineering 2007 - 2012

South Metro Water Supply Authority, CO. Supported the SMWSA as a part of its water resources engineering team. Completed multiple water supply planning analyses; developed two water supply master plans; and developed two Excel-based water supply firming, reservoir storage, and infrastructure cost and capacity allocation tools.

Water Resources & Engineering Support 2007 - 2012

Town of Walden, CO. Supported the Town with its USACE permitting requirements for its infiltration gallery replacement project; supported the replacement infiltration gallery design, and completed field observation during construction.

Expert Witness Representative Project Experience

Case No. 12CW303, Deposition, Water Division 1, Denver, CO, May, 2014. City of Black Hawk, *Application For Changes of Water Rights, Plan for Augmentation, and Conditional Appropriative Rights of Exchange.*

Case No. 10CW309, Trial, Water Division 1, Greeley, CO, March, 2014. City of Black Hawk, *Application For Alternate Place of Storage and For Alternate Point of Diversion.*

Case No. 10CW308, Trial, Water Division 1, Greeley, CO, December, 2013. City of Black Hawk, *Application To Approve Conditional Direct Flow Water Rights and Conditional Appropriative Rights of Substitution and Exchange.*

Case No. 10CW136, Trial, Water Division 1, Greeley, CO, September, 2013. City of Central, *Application To Make Conditional Water Rights Absolute and Reasonable Diligence.*

Publications

Innovative Pipeline Cost Estimating for Colorado Water Supply Planning, ASCE Pipelines 2011 Conference, Seattle, WA, July 23-27, 2011, pgs. 1203-1214 (with A. Bowen, N. Rowan, and E. Hecox).

Analysis of the Effectiveness of Geophysical Methods in the Locating of Snow Avalanche Victims, 2004 International Snow Science Workshop, Jackson Hole, Wyoming, September 19-24, 2004, pgs. 389-398 (with D. Klepacki and M. Wennogle).

Groundwater Research Within the Estancia Basin, New Mexico, Near Surface 2004, 10th European Meeting of Environmental and Engineering Geophysics, Utrecht, The Netherlands, September 6-9, 2004, pgs. AO13: 1-4 (with V. Mitchell, D. Klepacki, and M. Wennogle).



Senior Consultant & Team Leader

Environmental Team

Education

Master of Science, Biology,
Stanford University, 2011

BA, Ecology &
Evolutionary Biology,
Princeton University, 2006

General Background

Alex is a consulting biologist with a decade of experience in the private and public sectors, focusing on infrastructure and development projects on federal lands. He has extensive experience with multi-agency coordination for the design and approval of transportation projects, specializing in NEPA and environmental assessment of linear projects such as roads, bridges, rail, and pipelines. He also has experience working with the Bureau of Land Management, focusing on lands and realty assessments and fluid minerals projects. Key competencies include Endangered Species Act compliance and permitting, Clean Water Act permitting, and acquisition of right-of-ways on federal lands. Alex is a certified USACE Wetland Delineator with extensive wetland permitting experience throughout the Rocky Mountain states, holds a current CDOT stormwater inspection certificate, and is MSHA certified to work on active mine sites.

Certifications

Specialized Training

Energy: H2S Safety Training, SafeLand Onshore E&P Training

Rail: E-Railsafe, Union Pacific and Burlington Northern Railroad Contractor

Mines: MSHA Certification (surface miner-metal and non-metal, coal)

Roads: CDOT Transportation Erosion Control Supervisor

General Training

Certified Wetland Delineator

Endangered Species Survey Training (Yellow-billed cuckoo, Uintah Basin plants, etc)

Summary of Experience

Environmental Permitting. Alex is a career environmental scientist, having worked in both the public and private sectors. He leads multiple projects from the collection of field data, to data analysis, document preparation, and coordination with clients. Alex has extensive experience with regulatory guidance and interpretation for the processing of environmental and development permits, including Endangered Species Act and NEPA Compliance, resource management plan compliance, land use change amendments, drilling permits, and industrial facility permitting and design.

Wildlife Impact Assessments. Alex has provided environmental impact assessments for many clients, including oil and natural gas clientele, interstate pipelines, electrical providers, mining companies, solar and wind energy providers as well as for the Bureau of Land Management, Colorado Parks and Wildlife, Colorado Oil and Gas Conservation Commission, New Mexico Oil Conservation Division and State Land Office, and the U.S. Forest Service. He has been the primary environmental lead for biological and environmental monitoring and impact assessment projects for pipeline construction, transmission line projects, land use and development projects.

Wetlands. Alex has extensive experience conducting wetland delineations and aquatic resource inventories and USACE Section 404 permitting and mitigation. Special expertise includes permitting in Colorado, New Mexico, Utah, and Arizona for large industrial/municipal projects and rail lines.

Threatened & Endangered Species. Alex has experience and training in conducting threatened, endangered, proposed, and sensitive (TEPS) field investigations to identify species and habitat. Alex also typically facilitates extensive agency negotiation where required to resolve project conflicts.

Representative Project Experience (Con't.)

Environmental Permitting

Environmental Clearance and Compliance 2014 - 2017

Union Pacific, Western CO & Southern AZ. Alex coordinated environmental assessment and clearance for Union Pacific's bridge and culvert replacement program on the Yuma to Lordsburg line in southern Arizona. This included site assessment, impact reports, Section 404 documentation and permitting, construction observation and stormwater management, regulatory agency coordination, and compliance certification. Alex provided similar services on select projects in western Colorado and eastern Utah, including the Gunnison River bridge in Austin, CO.

Oil & Gas Assessment and Permitting Ongoing

Various Clients, Western CO. Alex has functioned as environmental team lead conducting field assessments, planning and permitting on oil and gas production and midstream projects for many clients throughout western Colorado. Tasks include wetland assessments and Section 404 compliance, threatened and endangered species surveys and coordination with USFWS, NEPA document production for BLM compliance, stormwater planning, permitting and inspections (SWPP and SWMPs), Spill Prevention Countermeasure and Control (SPCC), pipeline routing and facility siting, state permitting, noxious weed inventory and control planning, reclamation monitoring and bond release. Projects have included well pads, compressor stations and gas plants, and hundreds of miles of pipeline.

County Land Use Change Permitting Ongoing

Western CO. Alex regularly provides guidance and interpretation for the processing of environmental and development permits

- Garfield County permitting, including Land Use Change applications for the installation of compressor stations and pipelines, water facilities, and transfer stations
- Pitkin County, Colorado permitting, including Land Use Change applications for downstream natural gas pipeline installation

NEPA Specialist 2012 - 2013

Bureau of Land Management, Grand Junction, CO. Preparation, coordination, and National Environmental Policy Act (NEPA) analysis of applications in the Lands & Realty / Minerals programs. Assisted with NEPA workflow for all programs in the Grand Junction Field Office.

- NEPA documentation for proposed actions, and coordination with project proponents and cooperating agencies
- Compile project files and complete necessary environmental clearances for grants and permits
- Assist applicants in locating facilities and in the preparation of applications for these facilities, including roads, power lines, pipelines, drill pads. Resolve conflicts between resource uses as part of the field office Interdisciplinary Team
- Ensure implementation of use and reclamation techniques

Wetlands

Wetlands Delineation Ongoing

Rio Tinto Kennecott, South Jordan, UT. Alex conducted wetland delineations on 1,000 acre tailings expansion project in Utah. Services also included support of Individual Permit and EIS, functional assessments, wildlife species and habitat assessments, and long- term jurisdictional determination compliance to support ongoing mining operations for the U.S.'s largest mining operation.

Habitat Evaluations Ongoing

Colorado River Water Conservation District, CO. Provided Habitat Evaluation Procedure (HEP) monitoring and modeling for compliance with Wolford Reservoir Individual Permit. Project incorporates aerial imagery, spatial data, and field assessment to evaluate wildlife habitat value for onsite mitigation areas. Iterative modeling runs and coordination with regulatory agencies to ensure compliance with permit requirements.

Representative Project Experience (Con't.)

Wetlands

Habitat Evaluations Ongoing

Road and Bridge permitting, Western CO. Alex provides wetland delineation and permitting for road and bridge crossings of water features throughout Colorado. Projects include culvert replacements, bridge abutment improvements, low water crossings and oil exploration roads, and similar infrastructure needs. Selected clients include Garfield County, CDOT Region 3, Vail Resorts, Town of Snowmass Village, and SG Interests. Special expertise in the use of project design, Nationwide Permits and onsite mitigation to simplify permitting and compliance.

Wildlife Impact Assessments

Impact Assessments Ongoing

Recreational & Residential Developments, Western CO. Alex provides wildlife impact assessments for a wide range of private developments, including trails, housing, and municipal facilities. Evaluations and reports are typically prepared to meet County and State standards, including:

- Garfield County Impact Reports
- Pitkin County Wildlife Assessment
- Colorado Parks & Wildlife Sensitive Species and Big Game assessments



General Background

Amanda is a water resources consultant and GIS technician with four years of experience working primarily in the public and private sectors. Amanda's experience includes providing technical support for water resources and water rights evaluations, historical consumptive uses analyses, hydrogeologic investigations, environmental monitoring and sampling, and stormwater permitting and compliance. Amanda's expertise includes conducting GIS analyses, creating GIS deliverables, performing water quality analyses, well permitting, environmental monitoring, and geologic evaluations. Amanda is well-versed in various types of fieldwork which includes biologic surveys, surface water quality sampling, groundwater sampling, soil sampling, and aquifer tests. Amanda joined SGM in 2019.

Consultant

Water Resources Team

Education

BS Geology,
Fort Lewis College, 2017

Training/Certification

GIS Certification, 2017

Qualified Stormwater
Manager, 2019

Johnson Screens
Groundwater and Wells
Class, 2021

ASTM Phase 1 ESA
Training,
2022

Summary of Experience

GIS Mapping, Analysis, and Data Collection. Amanda frequently uses ESRI ArcMap and ArcGIS Online products to perform analyses with ArcGIS processing tools to create GIS deliverables such as Field Maps, StoryMaps, and static maps for reports. Amanda primarily works for water conservancy districts, municipalities, and private entities to develop figures and base maps to assist in water resources, environmental, and hydrogeologic projects. Mapping projects include water rights tabulations, wetland delineations, ditch investigations, watershed delineations, and geologic studies. Amanda is experienced with interpreting and plotting legal descriptions, delineating historical irrigated areas, and georeferencing engineering designs, imagery, and other media in GIS. She utilizes CAD, survey, and governmental data for GIS mapping purposes. Amanda regularly utilizes her knowledge of GPS field units and data collection software to collect GPS points of sampling locations. She manages GPS collected field data from wetland delineations, species surveys, and water rights investigations. She is experienced in post-processing data through Pathfinder and using differential correction methods to eliminate measurement errors when importing data into GIS software.

Water Rights. Amanda's water rights experience includes technical support for water rights applications and diligence cases. She regularly completes analyses such as subsurface groundwater flow between multiple wells, historical consumptive use, and lagged depletions and return flows to support preliminary engineering reports and substitute water supply plans. In addition, she generates maps to support decrees, researches historical stream flows and diversions, updates accounting workbooks, and evaluates sources of supply.

Groundwater Supply and Well Assessment. Amanda is experienced with groundwater investigations and supply development, including aquifer test observations, water quality sampling, and analysis of aquifer testing data. She conducts aquifer tests to determine well yield and aquifer parameters and oversees well drilling operations to log drill cut samples and create geologic well logs. Amanda is also experienced with the interpretation of geologic and water quality data as well as evaluating sources of supply.

Environmental Permitting. Amanda supports the environmental team with securing CDPHE construction stormwater and dewatering general permits for various construction projects. She has experience with drafting Stormwater Management Plans and conducting stormwater inspections for permit compliance.

Representative Project Experience

GIS Mapping, Watershed Protection, and Stormwater Permitting
2021 – Present

East Troublesome Fire Emergency Watershed Protection (EWP) Program, Grand County, CO. Amanda generated stormwater management plans and assisted contractors to obtain stormwater permits for construction projects. She creates site plans to support civil engineering efforts and provides general mapping support related to the East Troublesome Fire EWP Program.

Water Rights Support and GIS Mapping
2021 – Present

City of Monte Vista, Monte Vista, CO. Amanda has provided technical water rights support for the City's Substitute Water Supply Plan and water rights cases. She has assisted with historical consumptive use analysis including using GIS to delineate historically irrigated areas. Amanda assists with the monthly water rights accounting and other on-call water resources needs from the City of Monte Vista.

Hydrogeologic Investigation
2021 – Present

Aldasoro Ranch Homeowners Company, Telluride, CO. Amanda conducted a hydrogeologic study to determine well interference and provide recommendations to improve the water supply. She is currently providing technical support for future well drilling operations and securing additional water supply.

Water Rights Support and GIS Mapping
2019 – Present

Bootjack Ranch, Archuleta County, CO. Amanda reviewed legal locations for pending water rights cases, decreed amounts, and previous decrees. She conducts GIS mapping to support water rights cases, site visits, and well permit applications.

Water Quality Sampling
2019 – Present

Wolf Creek Ski Area, Mineral County, CO. Amanda performs bi-annual water quality sampling and analysis of data. She prepares a summary report of results including GIS figures.

Groundwater Evaluation and Data Analysis
2019 – Present

Buena Vista Correctional Center, Chaffee County, CO. Amanda processes water level data and analyzes results. She creates supplemental GIS maps and estimates groundwater flow paths between multiple wells over time.

Development Allowance and GIS Analysis
2022

Colorado Water Conservation Board, Delta County, CO. Amanda assisted in preparing a Preliminary Engineering Report, delineated watersheds, calculated existing irrigated areas, and performed a soil type and slope analysis to determine potential future irrigated areas. The analysis culminated in estimating a development allowance for multiple watersheds.

Water Rights Support and GIS Mapping
2022

Colorado Water Trust, Mineral and Hinsdale Counties, CO. Amanda assisted in preparing a Preliminary Engineering Report, georeferenced historical aerial imagery, delineated historical irrigated acreage, and evaluated legal and physical water supplies.

Water Rights Support
2022

Eldorado Artesian Springs, LLC, Boulder County, CO. Amanda provided technical water rights support for Eldorado's Substitute Water Supply Plan in Division 1. She completed a lagged return flow and depletions analysis.

Demand Management GIS Mapping
2021

Colorado Water Conservation Board, Denver, CO. Amanda used ESRI ArcGIS Online to create multiple Storymaps for interactive data presentation.

Hydrogeologic Investigation and Well Drilling
2021

Durango Hot Springs Resort, La Plata County, CO. Amanda oversaw the drilling of two geothermal wells at the Resort. She collected drill cutting samples, noting changes in bedrock and water and fracture zones. Amanda analyzed the data to create geologic well logs and assisted with well design. She conducted a hydrogeologic study to estimate well yield, and to evaluate well performance and well interference.

Condition Assessment, GIS Mapping, and Database Management
2020

City of Durango, La Plata County, CO. Amanda conducted sanitary sewer field investigations to perform a condition assessment and assisted with database management and field data collection.

Representative Project Experience

Water Resource GIS Mapping 2020

Redmesa Ditch Company, La Plata County, CO. Amanda generated GIS maps to support the enlargement of Redmesa Reservoir including estimating surface areas of the inundation pool and potential future easement requirements.

Site Planning, GIS Mapping, Watershed Protection, Stormwater Permitting, and Construction Observation 2019

416 Fire Emergency Watershed Protection (EWP) Program, La Plata County, CO. Amanda conducted construction observation and field quantity estimating. She created site plans to support civil engineering efforts, delineated watersheds, and provided general mapping support related to the 416 Fire EWP Program. Amanda generated stormwater management plans and assisted contractors to obtain stormwater permits for construction projects. She compiled work orders and contracts for agreements with landowners, La Plata County, and contractors.

Environmental Monitoring, Data Collection, and Technical Field Support 2019

La Plata Water Conservancy District, La Plata County, CO. Amanda performed bi-annual field measurements of static water levels in residential wells on Redmesa. She sampled macroinvertebrates to evaluate stream health below Long Hollow Dam, measured streamflow, collected surface water data, and analyzed historic stream flows within Long Hollow for the Environmental Operations Plan. Amanda prepared various GIS maps to support LPWCD projects.

Water Resource GIS Mapping 2019

Norwood Water Commission, Montrose County, CO. Amanda provided mapping support for a Water Master Plan including creating figures for the report, geocoded water tap locations, and updated the pipeline network for a hydrologic model.

Wetland Delineation Mapping 2019

Root & Ratliff Ditch, Montezuma County, CO. Amanda provided mapping support for wetland delineations, areas of habitat replacement, and the location of a proposed pipeline. She analyzed soil data and endangered species zones in habitat replacement areas.

Water Supply Development, Data Collection, and Water Quality Sampling 2019

Mesa Ridge, La Plata County, CO. Amanda provided technical field and mapping support for well development and groundwater supply. Fieldwork included collection of GPS data points for well locations, collection of measurements for an aquifer test, and water quality sampling from surface water and groundwater from wells. She analyzed and processed aquifer test data including generating associated graphs and tables.

Environmental Monitoring and Sampling 2019

Durango Boating Park, City of Durango, La Plata County, CO. Amanda performed environmental surveys and collected macroinvertebrate samples to help evaluate aquatic health post-construction of the Durango Boating Park.

Water Supply Study and GIS Mapping 2019

Lawson Hill POC, San Miguel County, CO. Amanda developed maps to support a water supply study. She analyzed commercial and residential water use and determined current and future build-out demands.

Water Resources and GIS Mapping 2019

Silt Farms, LLC, Garfield County, CO. Amanda provided technical support for water rights and well permit applications. She developed GIS maps showing irrigated acreage and locations of wells.



Senior Engineer III

Civil Team - Grand Junction

Education

BS Engineering Science,
University of Northern
Arizona

Registration/Certification

Professional Engineer,

CO - 28583

AZ - 24992

NM - 19143

TX - 115315

UT - 7442040-2202

WY - Inactive

Colorado Association of
Stormwater and Floodplain
Managers (CFM)

American Society of Dam
Safety Officials (ASDSO)

American Society of Civil
Engineers (ASCE)

Colorado Professional
for Onsite Wastewater
(CPOW)

Specialized Training

5-Day HEC-2 Course at
HEC CA Campus

ASCE 5-Day HEC-RAS
Unsteady Flood Routing/
Dam Breach

ASDSO 5-Day Training
on Various Dam Breach
Methods/Software

General Background

Eric has more than 33 years of experience in civil engineering and provides senior-level oversight on a variety of civil engineering projects. He specializes in surface water hydrology, stream channel/bridge hydraulics, jurisdictional dam design and rehabilitation including, spillway capacity/routing studies and breach flood routing to assess hazard classification, water distribution system modeling and water supply and treatment. Additionally, Eric has experience in roadway design, traffic studies, surveying, pavement design and rehabilitation, as well as master drainage plans, onsite wastewater systems, sewer collection, lift stations, and water distribution improvements.

Summary of Experience

Water System Development. Eric has worked on many aspects of water system development projects, from initial planning document development to principal level review of plans and specifications. Clients have included many smaller water systems such as the Town of Sawpit, Colorado, and the Town of Paonia, Colorado. Eric has provided principal level oversight and preparation of preliminary engineering reports (PERs) prepared in United States Department of Agriculture (USDA) Rural Utilities Service (RUS)/Rural Development (RD) format, and has managed and provided oversight of the design, bidding and construction of system improvements such as production wells, water treatment plants, storage tanks and distribution lines. He has further assisted with related support activities for these projects such as regulatory agency permitting, funding application and management, water treatment options, and hydrogeologic review.

Eric developed and supervised construction of the redevelopment of springs for the Town of Paonia that was frequently placed out of service by flash flood-borne debris events. Eric conceived of developing a "blind hole" horizontal well to reach under the spring site from a location not subject to flash flood-debris damage. A near design-build effort with a geotechnical drilling company produced the drilling tools for the project; the first of two wells were completed and developed successfully. This was the first well of its type permitted by the Colorado State Engineers Office.

Jurisdictional Dams. Eric has worked on a variety of jurisdictional dam projects ranging in location from desert to sub-alpine settings. These dams ranged in hazard classification from "no public hazard" to "high" hazard. Eric's work included repairs to existing jurisdictional dams on six reservoirs. His forte is in spillway capacity/routing studies (hydrology and hydraulics) and in breach flood routing to assess hazard classification. Eric has developed the capability of routing an inflow design flood into a reservoir in an unsteady flow regime and routing that flood over a reservoir spillway to assess its capacity in real time operation. Similar techniques have been developed to simulate breach events and their routing downstream, which are used to define hazard classification and emergency action plan criteria.

Wastewater Treatment Systems. Eric has provided design and principal level review services for individual and master planned development wastewater solutions. He has completed the design of several alternative independent wastewater systems to account for shallow groundwater tables or unsatisfactory lithological conditions, stringent discharge criteria, as well as "no" discharge conditions. His phase I and II design of the WWTF serving the Cornerstone Development in western Colorado, was the first permitted 100 percent reuse wastewater treatment facility in the state. All wastewater was treated to category 2 levels which allowed unrestricted reuse on the project's golf course during the summer or storage in the project's significant hazard jurisdictional dam during the winter month for use in the following irrigation season.

In 2009, Eric analyzed an underperforming sequencing batch reactor (SBR) which was unable to meet its total nitrogen discharge permit limits. He developed revised mixing and aeration timer settings and operational rationale to improve influent carbon values. The results allowed the SBR to meet its discharge permit parameters without significant cost to the wastewater district annual budget.

Summary of Experience (Con't.)

Wastewater Treatment Systems (Con't.) Eric's largest wastewater treatment plant (WWTP) design was for a new reuse facility rated at 0.95 MGD in New Mexico. This WWTP utilized stepped bar screens and grit chambers for primary treatment, Aero-Mod for its secondary treatment, Kruger rotating filers and UV for its disinfection for its tertiary treatment. Water could be used for irrigation reuse or discharge to the Rio Grande.

Onsite Wastewater Systems. Eric has become a leading expert on the design of onsite wastewater systems, developing unique solutions from entirely bedrock sites at high elevations to subsurface wetlands secondary treatment systems. Eric developed the first subdivision with managed onsite wastewater systems that treated to near-groundwater discharge standards, and developed evaluation criteria that resulted in reliable results from percolation testing. Eric's work with sand-media filtration for wastewater eventually allowed him to participate in a Colorado Department of Fish and Wildlife whirling disease grant program, in which he developed onsite recycled glass and process sand filters to physically destroy the *Myxobolus* spores, thus rendering them unable to reproduce in sufficient quantities to establish sand-bed colonies.

Permitting and Government Agency Interaction. Eric maintains an open dialogue with numerous regional environmental agencies. He has successfully completed permitting and project negotiations with the Colorado Department of Public Health and Environment – Water Quality Control Division, Office of the Colorado State Engineer, the Colorado Department of Transportation, Colorado Division of Oil and Public Safety, United States Army Corps of Engineers, and various counties and municipalities.

Groundwater Studies. Eric has been responsible for several public water supply projects, including groundwater hydrology investigations and reports, well head protection, well design, and consumptive use studies for several small communities. He has also completed aquifer characterization using pump tests and slug tests, collecting data both manually and using transducers and automated collectors. Borings (and wells) completed under his direction have varied from just a few feet in depth to over 200 feet and have been completed in a variety of well diameters from two to ten inches. Projects have included small rural water systems and evaluation of spring and other surface water resources.

Eric has also been the senior manager on several hydrogeologic and water rights projects, and has completed data collection, data review, and report generation for litigation concerning surface and irrigation water damage. In one example, he reviewed and provided detailed analysis of offsite watersheds, local well and upstream irrigation practices, while working with legal counsel for the property owners to prepare for negotiations for damage compensation settlement.

Spill Prevention Control & Countermeasure Plans. Eric completed several Spill Prevention Control & Countermeasures (SPCC) plans for sites in Colorado, including county and municipal fueling facilities. He has participated in and coordinated the field verification activities for these projects, as well as worked with property owners to complete the design and oversee construction of secondary containment structures. Eric is familiar with several generations of United States Environmental Protection Agency (EPA) SPCC regulations, and has reviewed extensive guidance documents.

Water Treatment Systems. Eric has designed small 30-gpm (GE HomeSpring) to large water treatment systems for small unincorporated communities to large domestic water associations in New Mexico. Eric's largest water treatment system design was for a 0.95-MGD facility using Rio Grande water (surface water). The WTP provided pre-sedimentation by chemical feed/settling, flocculation/mixing with MRC plate settling, GE Z-Weed Ultrafiltration modules, pH adjust and gaseous chlorination as the treatment process. This WTP was designed to blend well water with the Rio Grande surface water in a common distribution system.

Summary of Experience (Con't.)

Bridge Projects. Eric has been responsible for providing support and lead engineering on a variety of bridge projects in western Colorado and Arizona. While in Arizona he provided construction engineering/project management for a 6-cell reinforced concrete box culvert (CBC) project, provided approach roadway analysis for the replacement of the AZ Hwy 82 bridge over the San Pedro River, and designed a 4-cell CBC bridge on Ramsey Canyon Road in Cochise County.

Once in Colorado Eric developed the preliminary bridge design for the Fall Creek Road Bridge replacement project for San Miguel County (CDOT off system funded). He also designed, permitted, and managed the construction for San Miguel County's "Society Turn Recreation Underpass of Hwy 145" using Con/Span sections for the tunnel, and provided design review of the "Galloping Goose" recreation underpass of Hwy 145 near the Town of Ophir, Colorado. Eric provided hydraulic assessment and channel training improvement design for the Discovery Ranch golf course access bridge over the Dolores river near Gateway, Colorado; Eagle County's Colorado River Road Bridge near Dotsero; the Town of Parachute's Parachute Park Blvd. bridge over Parachute Creek; and four bridge projects for Mesa County, Colorado. Two of the bridge projects for Mesa County were funded by CDOT off-system monies and entailed geomorphic and sediment transport analysis and mitigation design.

Representative Project Experience

Grand Mesa #1 Embankment / Spillage Compliance Upgrades 2016

City of Grand Junction, Grand Mesa, CO. Grand Mesa #1 is one of several storage reservoirs on Grand Mesa, Colorado, at an elevation 10,000 feet, used by the City of Grand Junction for its drinking water supply. This significant hazard reservoir had been under compliance notification from Colorado Division of Water Resources (CDWR) to address inadequate spillway, uneven crest height, inadequate shoreline erosion control, primary embankment and foundation seepage, lack of functional embankment piezometers and monumentation. Eric developed the designs, worked with a geotechnical engineer to assess embankment safety, and prepared the permitting reports, plans, specifications, instrumentation and monumentation plan, and seepage management infrastructure for this reservoir.

New Jurisdictional Dam (Significant Hazard) 2007 - 2008

Cornerstone Metro District, Montrose, CO. Eric performed a breach flood routing study in advance of the other studies and design documents to assure the client of its hazard classification for the Cornerstone Reservoir, and provided evidence to the CDWR that the reservoir could be safely classified as a "significant hazard" dam. Eric also prepared the engineering reports for this jurisdictional dam, construction plans, engineer's estimate, and technical specification. Eric was the engineer-of-record during construction, managing the initial fill process and certifying the dam's completion.

Intake Structure Rehabilitation 2006

Grand Mesa Water User's Association (GMWUA), Grand Mesa, CO. Eric designed and permitted the repair to the Baron Lake intake structure and replacement of the slide gate with CDWR. Provided construction oversight and completion certification of this project.

Seepage Mitigation / Flow Monitoring 2005

Grand Mesa Water User's Association (GMWUA), Grand Mesa, CO. Eric designed and permitted toe seepage collection channels with monitoring flumes, and bio-intrusion cover for the Kiser Slough Reservoir. He also designed a hanging Parshall flume, a deep pipe steel foundation system, with an overhead fully adjustable (vertically) steel frame to keep the flume at stream level and ensure accurate measurement. The GMWUA was under compliance notification from CDWR to address primary embankment toe seepage, address prairie dog burrows on the upstream embankment, and provide an in-stream flow measurement system.

Representative Project Experience (Con't.)

New Jurisdictional Dam / Storage Development 2009 - 2010

Upper Gunnison Watershed Conservancy District, Lake City, CO. Eric performed PMP analysis, spillway/overtopping analysis, hazard classification report, and developed design concepts for the pneumatically operated sixty-foot wide gate for Lake San Cristobal. He then integrated the inflow design PMP flood, dynamic lake storage analysis, breach event, and subsequent downstream flood routing into one HEC-RAS unsteady flow model with different plans to differentiate between the blue-sky breach failure and inflow design flood overtopping of the gateway. The breach modeling was used to complete the hazard classification report.

Box Culvert Scour Analysis 2013

New Mexico Department of Transportation (NMDOT), District 1, New Mexico. Eric served as the senior engineer, responsible for the restoration of the outlet channel that is undercutting the NB CBC and its wing walls for the Interstate I-25 (MP 123.5) project. The scope of this project included the structural restoration an existing CBC system under both northbound (NB) and southbound (SB) travel lanes. Eric reviewed existing hydrologic information for these CBC's and supplemented the review with regression analysis to verify the design and check (4 percent and 1 percent storms) peak flow rates. He then employed HY-8 to analyze the NB CBC capacity. NMDOT gave direction to reduce the NB CBC capacity to two 96-inch pipes based upon the initial HY-8 results. Eric proceeded to assess outlet scour options using HY-8 internal routines; finally selecting a SAF basin as the best option for this project. He then modeled the NB CBC and selected scour protection system in HEC-RAS to develop a comprehensive hydraulic profile for the improvements.

20 MW Array Solar Plant 2010

First Solar, Santa Teresa, NM. Eric served as the project engineer and manager for this 20 MW PV array, 209-acre fast-track project. With a 3-month construction timeframe, he provided a final drainage report, horizontal control plan, construction detailing, grading/drainage plans, waterline extension plans, internal roadway plans, preliminary landscape plan, initial pile layout plan, and fencing plans within the 45-day contract requirement for submittal to Doña Ana County (DAC). Plans were approved with minor revisions by DAC and the client construction work commenced as planned. The Santa Teresa Solar Plant went on line in July 2011 supplying electricity through El Paso Electric to residents of southern New Mexico.

Since completion of this project, Eric worked on four other utility scale solar energy project generation facilities with largest being 100 MW.

Dam Breach / River Hydraulic Analysis 2006

Mustang Water Authority, Nucla, CO. Eric led a design group that developed a new multi-level intake tower to address water quality issues associated with the turnover. The group designed and permitted with CDWR a high-density polyethylene (HDPE) pipe slip-lining project to overcome the steel pipe's conditions and preserve the outlet's hydraulic capacity (focused on emergency draw-down).



We provide innovative, practical solutions to make our clients successful while ensuring the health, safety and welfare of our neighbors.

We develop and maintain lasting client relationships and are committed to our local communities.

GLENWOOD SPRINGS
118 West Sixth Street, Suite 200
Glenwood Springs, CO 81601
970.945.1004



TOWN OF PAONIA, COLORADO

**REQUEST FOR QUALIFICATIONS
HYDROGEOLOGICAL STUDY**

November 17, 2023

REQUEST FOR QUALIFICATIONS HYDROGEOLOGICAL STUDY

OVERVIEW

The Town of Paonia, Colorado (Town) is soliciting qualifications from qualified (Licensed) engineers, or corporations (Consultant) interested in providing data collections, engineering, and data review services to assist the Town in better understanding the characteristics of the aquifers that feed the spring systems, spatially and temporally for the Town. The Town envisions a three-pronged approach to the study with multiple tasks as defined below. The Town currently has a moratorium on water taps and extension of water service lines, and completion of this study is a criterion for removing the moratorium.

Paonia suffered a catastrophic loss of water in 2019 due to a cluster of system failures. During the 23-day period without water, citizen confidence was eroded in their water utility and led to a voter-referendum moratorium on water tap sales. A preliminary study conducted by JDS-Hydro (now, RESPEC) in 2021, identified a problem with the existing water system that the Town needed to remediate. The Town is now implementing a capital improvement plan to redevelop its spring complexes – its sole source of water, address water loss between the springs and service taps, replace aging infrastructure, and increase water storage to accommodate future growth and fire-flow needs. The Town has been careful in its planning to consider measures that will best promote watershed health, resiliency, and sustainability.

In the 2021 study conducted by RESPEC, recommendations included that the Town optimize spring water capture and its transmission to the treatment facilities. Since November 2022, Town staff and engineers have met weekly to identify steps needed to complete a properly functioning water utility. In that process, the Town was apprised of a need to investigate the hydrogeology of the spring complex and its sources so that an appropriate rehabilitation technique could be applied for spring redevelopment.

To ensure the long-term viability of the source waters that the Town depends upon, a three-phased approach is proposed:

- Phase 1** Perform a hydrogeological study to better understand the characteristics of the aquifers that feed the spring systems, spatially and temporally for the Town of Paonia.

- Phase 2** Implementation of strategies to slow, spread, and sink water to support optimal diurnal flow demands and improve source water quality.

- Phase 3** Adaptive management to further enhance the second phase of the project and take corrective measures to ensure the goals of the project are met.

The Town will not be bound or responsible for any explanations or interpretations other than those given in writing as set forth in this Request for Qualifications (RFQ). No oral interpretations will be made by the Town to any firm as to the requirements of this RFQ.

Emailed PDF proposals titled in the subject as, "QUALIFICATIONS FOR HYDROGEOLOGICAL STUDY," will be accepted on or before 4:00 PM (MT) Thursday, December 7, 2023 (Deadline), at the email address below. Proposals tendered after the deadline will be rejected.

Stefen Wynn
Town Administrator
StefenW@TownofPaonia.com

Mailed proposals will be clearly marked Attn: "QUALIFICATIONS FOR HYDROGEOLOGICAL STUDY," and will be accepted on or before 4:00 PM (MT) Thursday, December 7, 2023 (Deadline), at the physical and/or mailing address below. Proposals received after the deadline will be rejected.

Paonia Town Hall
214 Grand Avenue
PO Box 460
Paonia, CO 81428

The Town shall reserve the right to reject any or all proposals, and to waive any informalities or irregularities therein and request new proposals when required.

Any questions or clarifications concerning this RFQ shall be submitted by email to Stefen Wynn, Town Administrator, at e-mail address: StefenW@TownofPaonia.com; and 'cc'd to: SamiraV@TownofPaonia.com.

Qualifications submitted will be evaluated by a Selection Committee. The Town's Selection Committee will review materials submitted with the RFQ and select a list of Consultants for further consideration.

Evaluation factors include, but are not limited to:

- Qualifications;
- Demonstrated ability working on water-related issues with similar governmental entities;
- Firm's workload and availability;
- Familiarity with water issues on the Western Slope;
- Credentials of the firm's project team members;
- Detailed schedule for completing field work and developing the study;
- Cost

The Town reserves the right to request additional information or clarifications from firms, and or to allow corrections of errors or omissions.

Submission of qualifications indicates acceptance by the firm of the conditions contained in this RFQ.

It is anticipated that the selection of a firm will be completed at a Regular Meeting of the Board of Trustees on December 12, 2023.

All materials submitted in connection with the proposal document become the property of the Town. All information received by the Town shall become public record and shall be open to public inspection should an award of contract result from this solicitation.

KEY DATES

A tentative schedule of key dates for the project has been established as follows:

1. Proposal Calendar

Due date for proposals	December 7, 2023
Anticipated Town Board decision	December 12, 2023
Selected firm notified	December 13, 2023
Subsurface Investigation & Geological Survey Begin	April 1, 2024
Initial Draft of Study	June 28, 2024
Review Study with Town Staff	July 1 – August 30, 2024
Final Draft of Study Presented to Board of Trustees	October 22, 2024

2. Date Work May Commence

The Hydrogeological Study is funded for FY-2024, and it is expected that work may begin on January 1, 2024. The means and methods of data collection, data analysis and presenting data are up to the consultant to determine with input as needed by the Town.

3. Town Staff Commitment

The Town has committed one employee familiar with the water system to assist the consultant with data collection and answering questions while completing the study.

4. Date Final Report is Due

The Town would like a draft of the hydrogeological study by June 28, 2024. It is expected that the initial draft of the study will be reviewed by Town Staff and the Town’s primary water engineer prior to issuing a final draft. A final draft of the study is expected to be presented to the Board of Trustees during the October 22, 2024, Regular Board Meeting.

SCOPE OF SERVICES

The consultant is expected to perform the following tasks to complete the First Task of Phase 1 of the Hydrological Study: Engineering and Data review including:

1. Review and Evaluate Publications and Available Data
2. Field Work for Geological Assessment and Delineation
3. Hydrological Modeling
4. Develop Spring Monitoring Program
5. Process Monitoring Data
6. Evaluate and Refine Task 2 Objectives
7. Cooperative Meetings to Identify Spring Improvements
8. Report, Conclusions and Recommendations
9. Project Management

The consultant is expected to perform data collection, site visits, data analysis, evaluating and identifying objectives and strategies to determine the Town’s raw water capacity, investigate the hydrogeology of the Spring complex and its sources, and make recommendations on appropriate rehabilitation techniques for spring redevelopment.

Subsurface investigation and geological survey are expected to start in Spring 2024 when the surface of Mount Lamborn is accessible. A final report is expected to be produced in Early Fall 2024.

As the first part of our water system Capital Improvement Plan, we need to understand our spring system to ensure that the Town’s sole water source is as resilient as possible to the effects of climate change. This is the first and most crucial step to ensure a stable supply of water to the Town in the future. The hydrogeology study will provide the information needed to not only understand the characteristics of the aquifers that feed the spring systems but will also form the foundation of a comprehensive watershed resiliency plan.

PROPOSAL REQUIREMENTS

Proposals shall include the following:

- 1. Title Page.** Title page showing the Request for Qualifications subject; the firm’s name; appropriate firm contact name, mailing address, telephone number, and email address of the primary firm contact person; and the date of the proposal submission.
- 2. Table of Contents.**
- 3. Transmittal Letter.** A signed letter of transmittal briefly stating the consultant’s understanding of the work to be conducted, the commitment to perform the work within the time period specified, and a statement why the consultant believes itself to be the best qualified firm to perform the engagement. A signature is required from the person having the authority to make the proposal for the Consultant and bind their firm in a formal contract with the Town.
- 4. Technical Proposal.** The technical proposal should follow the order and include the content set forth below. The purpose of the technical proposal is to demonstrate the

qualifications, competence, and capacity of the consultant. As such, the substance will carry more weight than the form or manner of presentation. The technical proposal should demonstrate the qualifications of the consultants' firm and of the designated staff to be assigned to this engagement.

The technical proposal should address all the points outlined in the Request for Qualifications. The proposal should be prepared simply and economically, providing a straightforward, concise description of the consultant's capabilities to satisfy the requirements of the Request for Qualifications. While additional data may, at the discretion of the proposer, be included, the following items A through I, must be included:

- A. **Resumes.** The consultant should provide resumes for all of the firm's team members including project managers and should designate an employee to be a lead contact with the Town. Resumes should outline the relevant experience of everyone on the consultant's team that will work on the Hydrogeological Study for the Town. The firm also shall indicate how the quality of staff over the term of the agreement will be assured. Engagement partners, managers, and other supervisory staff may be changed if those personnel leave the firm, are promoted, or are assigned to another office. These personnel may also be changed for other reasons with the express prior written permission of the Town. However, in either case, the Town retains the right to approve or reject replacements. Consultants and firm specialists mentioned in response to this Request for Qualifications can only be changed with the express prior written permission of the Town which retains the right to approve or reject replacements. Consultant personnel other than those listed above may be changed at the discretion of the firm if replacements have substantially the same or better qualifications or experience.

- B. **Firm Qualifications and Experience.** The proposal shall state the size of the consultant's firm, the size of the firm's team that would be assigned to the Town's Hydrogeological Study, the location of the office from which the work on this engagement is to be performed and the number and nature of the professional staff to be employed in this engagement on a full-time basis and the number and nature of the staff to be so employed on a part-time basis. The firm shall also provide information on relevant and similar projects that it has completed including any implementation of plans or studies. Preference is given to responding clients that have experience with water-related issues on the Western Slope or within similar geographic areas.

- C. **Detailed Schedule.** The proposal shall include a detailed schedule for completing the steps necessary to complete the Hydrogeological Study for the Town.

- D. **References.** The consultants' firm shall provide a list of not less than three municipalities, special districts, or state agencies that it has been employed to complete relevant studies and projects. The list should include a description of the project completed, the name of the client and contact information for an appropriate employee at the client's offices. These references should be ranked on the basis of total staff hours and list the staff assigned to these engagements. The firm should indicate whether or not it continues to perform the services involved in these engagements.

- E. **Total Estimated Not-to-Exceed Cost.** The proposal shall contain all pricing information related to performing the Hydrogeological Study as described in this Request for Qualifications. The total not-to-exceed cost to be proposed is to contain all detailed direct and indirect costs including all out-of-pocket expenses.

- F. **Digital or Manual Signature.** Qualifications must contain a manual signature, or a Digital signature that follows the requirements of UETA and ESIGN, of an authorized agent of the Consultant.

The accuracy of response to this Request for Qualifications is the sole responsibility of the Consultant. No changes in the proposal shall be allowed after the submission deadline, except when the Consultant can show clear and convincing evidence that an unintentional factual mistake was made, including the nature of the mistake and the price actually intended. Alternate bids will not be considered.

TERMINATION OF CONTRACT

The Town may, by written notice to the successful Consultant, terminate the contract if the Consultant has been found to have failed to perform in a manner satisfactory to the Town's specifications, including delivery as specified. The date of termination shall be stated in the notice. The Town shall be the sole judge of non-performance.

The Town may cancel the contract upon thirty (30) days' written notice for reasons other than cause. This may include the Town's inability to continue with the contract due to non-appropriation or reduction of funding.

RIGHT TO REFUSE PROPOSALS

The Town of Paonia reserves the right, without prejudice, to reject any and all proposals or any part of a proposal.

WARRANTIES

The successful firm shall indemnify and save harmless the Town against any and all damages to property or injuries to or death to any person or persons, including property and employees or agents of the Town, and shall defend, indemnify and save harmless the Town from any and all claims, demands, suits, actions, or proceedings of any kind, or nature, including workmen's compensation claims, of or by any whomsoever, in any way resulting from or arising out of the operation in connection herewith, including operations of subcontractors and acts or omissions of employees or agents of the successful firm or his sub-contractors.

The successful firm shall procure and maintain, at their own cost and expense, any additional kinds and amounts of insurance that, in their own judgment, may be necessary for their proper protection in the prosecution of the work.

The successful firm shall be required to have property, liability, and workers compensation insurance with minimum limits of \$1,000,000.00 and to provide the Town with copies of the certificate of insurance upon request.

The successful firm will not discriminate against any employee or applicant for employment because of race, color, religion, sex, or national origin and will comply with the Americans with Disabilities Act. The successful firm shall adhere to acceptable affirmative action guidelines in selecting employees and shall ensure that employees are treated during employment, without regard to their race, color, religion, sex, or national origin. Such action shall include, but not be limited to, the following: employment, upgrading, demotion, or transfer, recruitment, or recruitment advertising; layoff or termination, rates of pay or other forms or compensation; and selection for training, including apprenticeship.

Pursuant to Section 8-17.5-102(1), C.R.S., the Consultant will certify that, as of the date of its Proposal, it does not knowingly employ or contract with an illegal alien and it has participated or attempted to participate in the Basic Pilot Employment Verification Program (as such term is defined in Section 8-17.5-101(1), C.R.S.) in order to verify that it does not employ any illegal aliens.



**TOWN OF PAONIA
BOARD OF TRUSTEES MEETING
STAFF REPORT**

AGENDA ITEM:	Item 11. Consideration of Approval of the contract between the Town and Matt Laiminger/Paonia Car Wash
SUBMITTED BY:	Samira Vetter, Town Clerk
DATE:	December 12, 2023
BACKGROUND:	On October 24, 2023 after Police Chief Matt Laiminger disclosed that he was the new owner of the Car Wash in Paonia, the Board of Trustees voiced that they would prefer a formalized written agreement if the Town were to continue using the car wash here in Paonia.
BUDGET:	
RECOMMENDATION:	To approve the proposed contract between the Town of Paonia and Matt Laiminger.
ATTACHMENT:	Contract October 24,2023 Regular Meeting Minutes



Office of the Town Clerk
214 Grand Ave.
P.O. Box 460
Paonia, CO 81428
O: (970) 527-4101
F: (970) 527-4102

December 12, 2023

Matt Laiminger

[Street]

[City/State/Zip]

Dear Mr. Laiminger:

Pursuant to C.R.S. § 24-18-201, you, the Paonia Police Chief, have disclosed to us, the Paonia Board of Trustees (the “Board”), in an open meeting, that you have purchased and are now the owner of the _____ Car Wash (the “Car Wash”), with which the Town has historically contracted for the provision of government vehicle washing services. You have not tried to influence the Board on whether to continue use the Car Wash for Town vehicles.

Finding that, due to geographical restrictions, no other contractor can reasonably provide government vehicle washing services to the Town at an affordable rate, and without significant disruption to the Town’s government operations, pursuant to C.R.S. § 24-18-201, we, the Board of Trustees, have authorized the Town’s continued business with the Car Wash, subject to your entrance into a written agreement setting forth the terms and conditions of the Town’s continued business with the Car Wash.

Please sign and return this letter to the Town Clerk to indicate your agreement to the following terms and conditions:

1. The terms and conditions supersede and replace any prior agreements between the Town and you or your predecessor concerning the provision of vehicle washing services to the Town.
2. The Town will be provided two (2) keys for use by Town employees, designated by the Town Administrator, that may be used to activate the Car Wash. To activate the carwash the key is inserted into the back of the control box at the car wash bay. When the key is inserted and turned it starts an internal timer that tracks the amount of time used, and the water is turned on.

CC:

3. Unless the Town and Car Wash agree otherwise in writing, the Town will be billed monthly at the same rate as charged to the public for use of the Car Wash; i.e., 83 cents per minute of use. The Town’s employees and officers will have access to the Car Wash 24 hours a day, 7 days per week (the same as the hours offered public).

4. The Car Wash may change its rates at its discretion, provided that the Town shall be provided 30 days’ written notice of any rate increases, and the rates charged to the Town must be the same as the rates charged to the public and all account holders of the Car Wash.

5. This letter agreement shall continue in full force and effect until terminated by one or both of the parties, with each party having the right to terminate at any time, for any reason or no reason at all.

6. Notwithstanding anything in these terms and conditions, the Town is under no obligation to use the services of the Car Wash, and may contract with or use other contractors providing the same or similar services.

7. If at any time the circumstances giving rise to the Board’s findings and decision pursuant to C.R.S. § 24-18-201 change in any material respect, then the Board and Car Wash must convene in an open meeting, during which the Board shall consider whether its lawful, ethical, and appropriate, under C.R.S. § 24-18-201 for the Town and Car Wash to continue the contractual relationship hereunder.

8. CAR WASH SHALL SATISFY ALL TAX AND OTHER GOVERNMENTALLY IMPOSED RESPONSIBILITIES INCLUDING, BUT NOT LIMITED TO, PAYMENT OF STATE, FEDERAL AND SOCIAL SECURITY TAXES, UNEMPLOYMENT TAXES, WORKERS’ COMPENSATION AND SELF-EMPLOYMENT TAXES. NO STATE, FEDERAL OR LOCAL TAXES OF ANY KIND SHALL BE WITHHELD OR PAID BY THE TOWN. CAR WASH AND ITS OWNER AND EMPLOYEES ARE NOT ENTITLED TO WORKERS' COMPENSATION BENEFITS EXCEPT AS MAY BE PROVIDED BY THE CAR WASH NOR TO UNEMPLOYMENT INSURANCE BENEFITS UNLESS UNEMPLOYMENT COMPENSATION COVERAGE IS PROVIDED BY THE CAR WASH OR SOME ENTITY OTHER THAN THE TOWN.

9. The Car Wash may not assign or delegate this letter agreement or any portion hereof, including payments made hereunder, without the Town’s prior written consent. Any assignment in violation of this paragraph is voidable in the Town’s discretion.

Sincerely,

TOWN OF PAONIA

Mary Bachran

Mayor

CC:

Signed, agreed to, and accepted by:

CAR WASH

{Insert Company Name; e.g., LLC}

By: _____

Matt Laiminger, Owner

CC:

Minutes
Regular Town Board Meeting
Town of Paonia, Colorado
October 24, 2023

RECORD OF PROCEEDINGS

Mayor calls meeting to order at 6:30PM

Roll Call

PRESENT

- Mayor Mary Bachran
- Mayor Pro-Tem Dave Knutson
- Trustee Paige Smith
- Trustee John Valentine
- Trustee Rick Stelter
- Trustee Kathy Swartz

ABSENT

- Trustee Morgan MacInnis

Approval of Agenda

Mayor Pro-Tem Knutson makes a motion, seconded by Trustee Smith, to accept approval of agenda.

Motion carries unanimously.

Announcements

Mayor Pro-Tem Knutson announces a reminder of the Planning Commission meeting to be held on November 1, 2023.

Mayor Bachran announces an opening on the Zoning Board of Appeals & Adjustments- Accepting applications and letters of interest for a 3-year term seat, until November 10, 2023. Position will be appointed at the November 14th, 2023 meeting.

Public Comment

M. Heepke – Thanked the Town and Public Works for the successful Pickle Fest event held at Apple Valley. He provides an update on the skate park work starting 10/25.

M. Nierenberger –Asking for trash & graffiti to be removed from town park.

Consent Agenda

Trustee Stelter makes a motion, seconded by Trustee Valentine, to approve the consent agenda.

Trustee Smith suggested clarification on page 10, Ms. Watson resigned from Zoning Board of Adjustments since she’s been appointed to the Planning Commission.

Motion carries unanimously.

Staff Reports

Departmental Scorecard

Town Administrator Wynn updates the Board on progress made on projects, moving forward with 2022 fiscal audit, signed contract for ‘Safe Pathways’, and leaf pickup schedules.

Housing Needs Assessment Update

Town Administrator Wynn updates board on project. The final document goes to the Planning Commission on November 1st and they will make a recommendation to the Board at the next regular meeting on November 14th.

Actions & Presentations

Presentation of the DRAFT 2024 Budget to the Board of Trustees

Town Administrator Wynn advises that on 10/15 the draft budget was completed, the timeline is presented for review & edits of budget, and walks through an overview of what he has presented.

Trustee Stelter asks about dog licenses fees and feels amount of dogs are way more than recorded and Administrator Wynn agrees that enforcement is needed.

Mayor Pro-Tem Knutson asks about the sidewalk fee expiring this year. Mayor Bachran explains that was a mistake and it expires in December of 2024.

Town Administrator Wynn continues to go through budget line items.

Mayor Pro-Tem Knutson questions if the overtime numbers listed are based on last year and Administrator Wynn answers no, that is to-date. As of September, used as a forecast.

Trustee Smith asks about the status of the Town’s agreement with Delta County about the building inspector. Town Administrator Wynn explains that that Delta County is in the process of interviewing.

Town Administrator Wynn proceeds to discuss rate increases and 20-year forecast.

Trustee Smith asks about any wage increases since they were not listed in the draft budget. Town Administrator Wynn response that there are no salary increases planned for 2024. Maybe one additional person for Public Works is a possibly. Mayor Pro-Tem Knutson speaks to the importance of being competitive in salary to retain talent. Administrator Wynn asks for suggestions of where to cut within the budget to provide increases so everything balances.

Public Comments:

M. Nierenberger speaks about her Mesa County Landfill experience where she was told by the operator it was limited to locals of that town.

Disclosure of the Police Chief's Interest in Contract with the Town of Paonia

Town Attorney Cotton-Baez speaks to the disclosure of the Police Chief’s interest in a ‘contract’ since he and his wife have purchased the Paonia Car Wash. Police vehicles make up about 8-9% of the car wash business. He doesn’t see a conflict but felt a disclosure to the Board was warranted. The car wash bills the town monthly, but he sees exception with state of ethics since there is no other car wash in town to service as competition. The Town Attorney’s opinion is that the Town can continue to use the car wash. The Board has right to terminate the contract at any time.

Public comments:

C. Patterson – wonders how much is spent on car wash.

Board Discussion:

Trustee Stelter states it doesn’t make sense to travel to another town to use a car wash and wait in line since car wash in the other town is busy. We are not spending a lot of money, then there’s the added expense of fuel to drive to another town, it’s only one in town. He suggests continues usage.

Town Administrator Wynn explains that it is not only vehicles washed, but also heavy equipment by Public Works. And given convenient location next to the shop, it can become a formalized agreement with the town.

Mayor Pro-Tem Knutson feels uncomfortable proceeding unless the town has a written contract with the car was and suggests Chief Laiminger bring something to the Board. Town Attorney Cotton-Baez states a written contract is what is preferred.

Trustee Swartz asks how much the Town spends per year at the car wash. Town Administrator Wynn responds that \$734 to be paid is forecast for 2023.


Mayor Bachran states that a letter formalizing an agreement would be appropriate instead of a contract. The Mayor agrees that driving trucks/equipment to another town is a big difference compared to in-town in regard to fuel costs.

Mayor & Trustee Reports

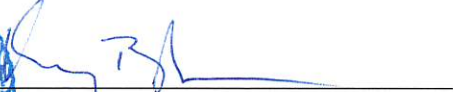
None

Adjournment

Mayor Bachran adjourns the meeting at 8:24PM


Ruben Santiago, Deputy Clerk




Mary Bachran, Mayor





**TOWN OF PAONIA
BOARD OF TRUSTEES MEETING
STAFF REPORT**

AGENDA ITEM:	Consideration of approval to enhance officer safety through the purchase of five (5) bulletproof vests.
SUBMITTED BY:	Matthew Laiminger, Chief of Police
DATE:	12/05/2023
BACKGROUND:	<ul style="list-style-type: none"> - Bulletproof vests are a cornerstone piece of equipment for officer safety and required to be worn on duty by policy. The department has often taken vests that were issued to former employees and re-issued them to new employees. As a result of this process, two officers are currently wearing expired vests, and two officers are wearing vests that will expire within the next twelve months. The remaining vest is valid; however, it is not rifle, shotgun, stab or taser resistant. - The vests to be purchased will be policy compliant offering protection from the sidearms and tools commonly carried by officers to include rifle rounds, handgun rounds, shotgun rounds, as well as being strike, slash, stab & taser resistant. - The department currently has four (4) different types/makes of bulletproof vests in operation. One of those makes is Safe Life Defense which meets all policy requirements regarding safety and uniform compliance. I am requesting approval to purchase five (5) vests from Safe Life Defense totaling approximately \$7,726.50 (quote attached). - For the sake of equipment continuity and professional appearance, I am requesting a waiver of the three-vendor quote requirement.
BUDGET:	Due to an excess of revenues over expenditures we have funding available in FY 2023. The line item will be 10-42-16 Operating Supplies.
RECOMMENDATION:	In a continued effort to prioritize officer safety staff recommends approval of the purchase of five(5) Safe Life Defense bulletproof vests and a waiver of the three-vendor quote requirement.
ATTACHMENT:	Attachment A: Safe Life Defense Quote

Status: IN PROCESS



Safe Life Defense

1379 Raiders Way
Henderson, NV 89052
United States

PAONIA POLICE DEPARTMENT

Shipping Address

PAONIA POLICE DEPARTMENT
Matt Laiminger
214 Grand Ave.
Paonia , Colorado 81428
United States

Billing Address

PAONIA POLICE DEPARTMENT
Matt Laiminger
214 Grand Ave.
Paonia , Colorado 81428
United States

QN006742




Issued On: 30th Nov 2023
Expiration Date: 30th Dec 2023


Sales Representative

Paul Nowakowski
paul@safelifedefense.com
(725) 218-3127

Contact

Matt Laiminger
mlaimingerppd@townofpaonia.com

Line Items	Qty	Price	Quoted Price	Discount	Margin	Subtotal	Quoted Subtotal
 <p>Tactical Uniform Style FRAS® SKU: SLD-FRAS-TUSC-B-2XL Color: Black Size: 2XL Inbundle: 1 Patch Pack: Plain Patch Text Color: White</p>	2	\$1,764.00	\$1,587.60	10%	100.00%	\$3,528.00	\$3,175.20
 <p>Tactical Uniform Style FRAS® SKU: SLD-FRAS-TUSC-B-L Color: Black Size: Large Inbundle: 1 Patch Pack: Plain Patch Text Color: White</p>	1	\$1,689.00	\$1,520.10	10%	100.00%	\$1,689.00	\$1,520.10
 <p>Tactical Uniform Style FRAS®</p>	1	\$1,689.00	\$1,520.10	10%	100.00%	\$1,689.00	\$1,520.10


Email sent successfully

533

SKU: SLD-FRAS-TUSC-B-S-S

Color: Black

Size: Small-S

Inbundle: 1

Patch Pack: Plain

Patch Text Color: White



Uniform Style FRAS®

SKU: SLD-FRAS-USC-B-L

Color: Black

Size: Large

1	\$1,679.00	\$1,511.10	10%	100.00%	\$1,679.00	\$1,511.10
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Patch Pack: Plain

Patch Text Color: White

Inbundle: 1

Original Total	\$8,585.00
Discount Type - Total%10%	\$858.50
Quoted Total	\$7,726.50
Tax	\$0.00
Grand Total	\$7,726.50



**TOWN OF PAONIA
BOARD OF TRUSTEES MEETING
STAFF REPORT**

AGENDA ITEM:	Consideration of Approval to Purchase Motorola Spillman Flex Mobile Suite Software
SUBMITTED BY:	Matt Laiminger, Chief of Police
DATE:	12/06/2023
BACKGROUND:	<p>This software will add efficiency to patrol operations by reducing the amount of time an officer needs to spend at his desk inputting and retrieving information required by calls for service. The software will increase public safety by freeing up airtime, and making valuable information more accessible during calls for service.</p> <p>Currently, all information requested by an officer must be done via radio traffic and attached to the call electronically by a dispatcher. The officer must then access the call information either over the air via radio or by computer, often back at the Police Department. The new software will allow officers to retrieve this information directly from the necessary source in real time via in car computer.</p> <p>Three of the five law enforcement agencies in Delta County have implemented this software, with the Delta County Sheriffs Department managing our dispatch center and fully adopting the software.</p> <p>Cost is approximately \$25,121.24 for the first year, with a five year total of \$37,309.24, this includes an additional 10% end of year discount that expires December 31st, 2023 (quote attached).</p>
BUDGET:	Due to an excess of revenues over expenditures we have funding available in FY 2023. The line item will be 10-42-42 Contract Services.
RECOMMENDATION:	In an effort to enhance officer efficiency and service delivery to the community staff recommends the purchase of Motorola Spillman Flex Mobile Suite Software.
ATTACHMENT:	Attachment A: Motorola Spillman Flex Mobile Suite Software quote



Quote and Purchase Addendum

Quoted Date: November 29, 2023 Quote Number: 1378657
Quote Expiration: December 31, 2023 Prepared By: Tally Gochis

Services Include

- **First-year Maintenance** – For the specific module(s) listed in this document, all upgrades and live phone support services are included for the entire first year.
- **Project Management and Installation** – Motorola Solutions will assign a Flex Project Manager as the agency's single point of contact. This individual will coordinate Motorola's expert staff as needed to ensure a smooth upgrade transition.

Included in Quote

- **Mobile Records** - Query names, vehicles, and property tables from your agency's records database
- **Mobile Field Report with Field Interview** - Collect incident data and submit customized forms using Mobile
- **Mobile Arrest Form** - Enter all pre-book and non-custodial arrest information from the field via Mobile
- **Mobile Voiceless CAD** - View active calls with detailed information, update unit status, and free-up airtime
- **Mobile StateLink** - Query state and local database on name, vehicle, property and gun information

Package Quote
\$25,121.24

Sales Tax Not Included

*Year End Discount expires 12/31/23

Flex Software Support & Maintenance Years 2-5

Year 2 Support & Maintenance Total (Due 12 months after implementation)	\$2,871
Year 3 Support & Maintenance Total (Due 24 months after implementation)	\$2,985
Year 4 Support & Maintenance Total (Due 36 months after implementation)	\$3,104
Year 5 Support & Maintenance Total (Due 48 months after implementation)	\$3,228
Total Years 2-5 Support & Maintenance	\$12,188

5 Year Total: \$37,309.24

Payment Terms

- First year payment amount is \$25,121.24 amount due net 30 upon receiving invoice after project completion.

The Customer's signature below constitutes its agreement to purchase the licenses, products and/or services according to the terms quoted by Motorola Solutions within this document. This document shall serve as an addendum to the Purchase Agreement previously entered into between the Customer and Spillman Technologies. The terms and conditions of the Purchase Agreement, as well as the related License Agreement and Support Agreement, shall apply to the items quoted herein.

Customer affirms that a purchase order or notice to proceed is not required for contract performance or for subsequent years of service, if any, and that sufficient funds have been appropriated in accordance with applicable law. The Customer will pay all invoices as received from Motorola and any changes in scope will be subject to the change order process as described in this Agreement. At the time of execution of this Agreement, the Customer will provide all necessary reference information to include on invoices for payment in accordance with this Agreement.

Paonia Police Department

 Customer Name

 Authorized Signature

 Date

 Print Name and Title

 Bill To Address

 Ship To Address



MOBILE RECORDS

INSTANTLY ACCESS SYSTEMS DATA FROM THE FIELD

QUERIES

Using the Mobile Records module, field units can access agency data with speed and flexibility. With a single query, users can search for names, vehicles, incidents, property, and wanted persons. In addition, a drop-down menu provides more fields for enhanced searching. Once the user has submitted search criteria, a list of matching records appears in the returns folder of the Mobile Message Center. The Involvements® feature intuitively links related data to reveal relationships between records. Any associated warnings and alerts contained in the returns appear at the top of the list in red to facilitate officer safety.

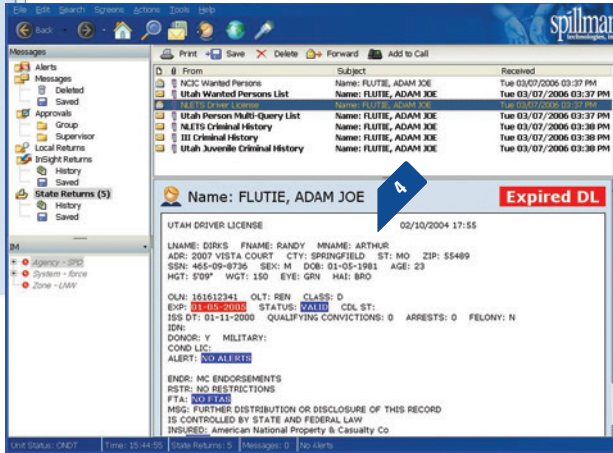
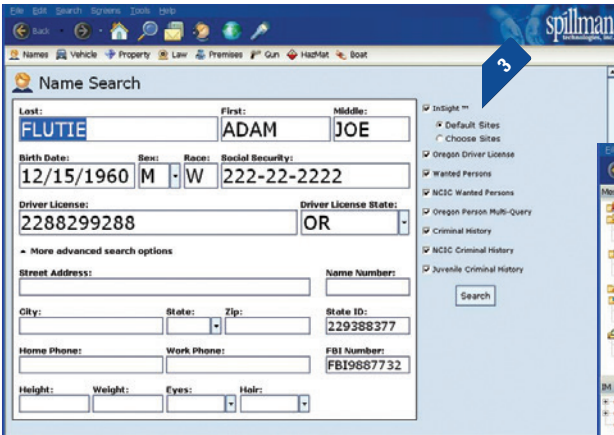
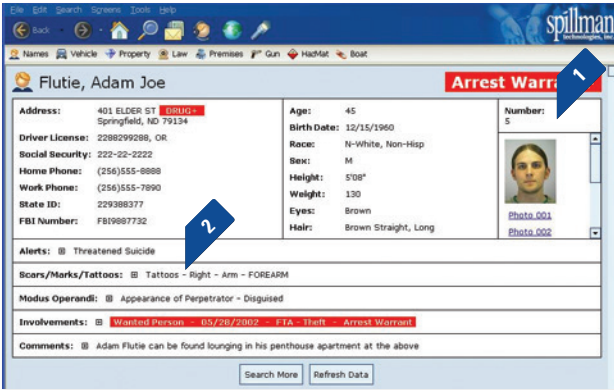
IMAGE DISPLAY

The image display feature gives field personnel an edge in identifying suspects and verifying criminal histories. While viewing a record, field personnel can easily access all associated images related to that record, such as mug shots or photos of vehicles and property. Images first appear in thumbnail-size but can be expanded to full-size display.

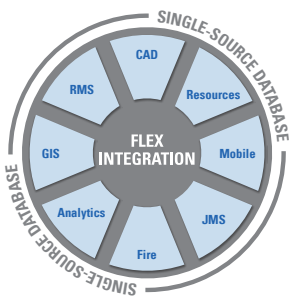
FIELD NARRATIVES

Field personnel can enter narratives into the system from the vehicle to save valuable time and improve records details. Users can view, add, and append narrative information or supplemental narratives directly from the Law Incident screen. The module also provides the flexibility for field personnel to enter an unlimited number of supplemental narratives for witness statements and other follow-up activities. For routine narrative entries, the system allows agencies to easily define templates for precise information gathering. The text editor will display the prompts that are appropriate for the selected template as the narrative information is entered. Spell check and time stamping are also included.





1. The Mobile Records module is equipped to display multiple photos per record. Users can see enlarged images by clicking on the image thumbnails.
2. Field personnel can view additional information, such as alerts, warnings, and Involvements® for a history of related incidents. Alerts, such as an arrest warrant, are displayed in red.
3. The software allows users to refine search criteria and search multiple databases with one submission. Users can select a set of default search sites or choose sites individually.
4. The module displays a summary of search returns once a query has been submitted. Users can then select a record to view formatted return details in the viewing pane.



TOTAL SOFTWARE INTEGRATION

Spillman Flex's Integrated Hub™ is an open, centralized database where all agency information is entered, stored, and extracted in real time, providing total software integration. This allows users to enter data once and have it automatically shared among related modules. Agencies using this module can optimize their system and enhance productivity through total integration with other Flex modules.





MOBILE FIELD REPORT WITH FIELD INTERVIEW

QUICKLY CREATE INCIDENT RECORDS IN THE FIELD

CUSTOMIZABLE LOOK AND FEEL

Using the Mobile Field Report with Field Interview module, agencies can produce professional-looking printed forms using Spillman Flex's preloaded layout or by customizing their own. Additionally, users can manage multiple printed layouts as needed for different audiences. Within the software, agencies can determine which fields are required, rename fields, and hide non-required fields to customize the module.

Agencies receive Mobile Field Interview with the purchase of Flex Mobile Field Report.

ON-SCENE REPORTING AND VALIDATION

Officers can use the Mobile Field Report with Field Interview module to enter correct and validated information using tools based on NIBRS 2013 rules, eliminating the need for a records clerk to make after-the-fact judgments. When used with Flex's Computer-Aided Dispatch (CAD) module, officers can view and use any call comments entered by call takers within the Mobile Field Report. Additionally, when an incident is linked to a record within an agency's Flex system, officers in the field can easily populate form fields using state and local returns as well as existing name, vehicle, and property information. Personnel can also use the module to validate addresses in the field with Flex's Geographic Information System (GIS).

SIMPLE NARRATIVE WRITING FEATURES

Field personnel can quickly add narratives using standard word processing features such as find, replace, spell check, and the ability to copy and paste from both inside the form and from external programs or sources. Users can take advantage of an auto-save feature to save information as they go as data is automatically saved to either the Flex server, if connected, or the local drive.

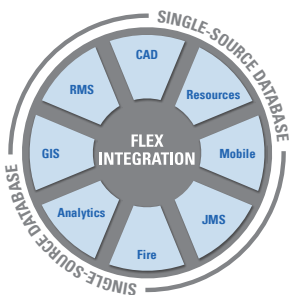
INTEGRATED INCIDENT RECORD SUBMISSION

Spillman Flex's tightly integrated system provides agencies with the ability to use the Mobile Field Report to access data from their existing Flex system. This allows personnel to search for offenses by offense code or statute, easily add multiple property items, and view call comments at any time, all without the need to switch between multiple screens. Users can access and edit the Mobile Field Report directly from Flex Mobile to quickly and efficiently create and enter Law Incident records, bypassing the need to utilize Adobe forms.



1. Field personnel can use the Report tab to easily **add incident information**, including a text narrative.
2. Personnel can **view and refer to call comments** within the Mobile Field Incident Report at any time.
3. Agencies can **establish a functional workflow** by determining which fields are required during reporting.

4. Users can **collect and validate IBR information in the field** using the Mobile Field Report's validation tools.
5. Agencies can use the Summary tab to **print and save** all included incident information.
6. Users can **customize reports** to meet agency-specific needs.
7. Personnel can **remove confidential incident information**, such as juvenile names, in narratives and supplemental fields, when printing reports.



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MOBILE VOICELESS CAD

ACCESS CRITICAL CALL INFORMATION WHILE FREEING UP RADIO AIRTIME FOR HIGH-PRIORITY CALLS

MOBILE ACCESS TO CALL INFORMATION

With the Spillman Flex Mobile Voiceless CAD module, your field personnel can receive critical call information in real time using a laptop computer. The module enables field personnel to access information about a call's address, nature, and any additional comments as they are entered by dispatchers. The software frees up radio frequencies for high-priority calls and reduces the potential for misheard information or radio noise interference. Using Mobile Voiceless CAD also prevents other parties from monitoring communications over a non-secure radio channel.

QUICK STATUS UPDATES

This module increases efficiency and data integrity by allowing first responders to update call and unit status directly from a laptop. This saves valuable time and eliminates the need to notify dispatchers via radio every time the situation or location changes, preserving radio availability for other critical communication.

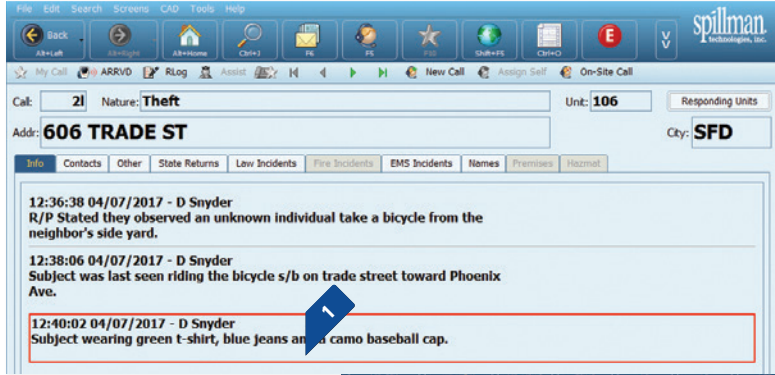
VIEW OR ADD CALL COMMENTS

The ability to view call comments from the field is an important function in any software. Mobile Voiceless CAD provides your field personnel with critical access to important details, alerts, and tactical updates by allowing them to view comments that dispatchers and other personnel have added to a particular call. This functionality helps increase officer safety while out in the field. In addition, the software allows field personnel to add comments to any call, which provides dispatchers with important information without requiring the use of a radio.

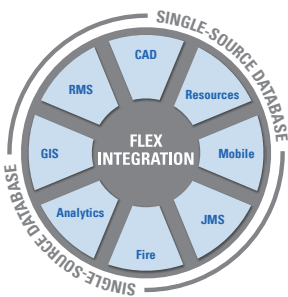
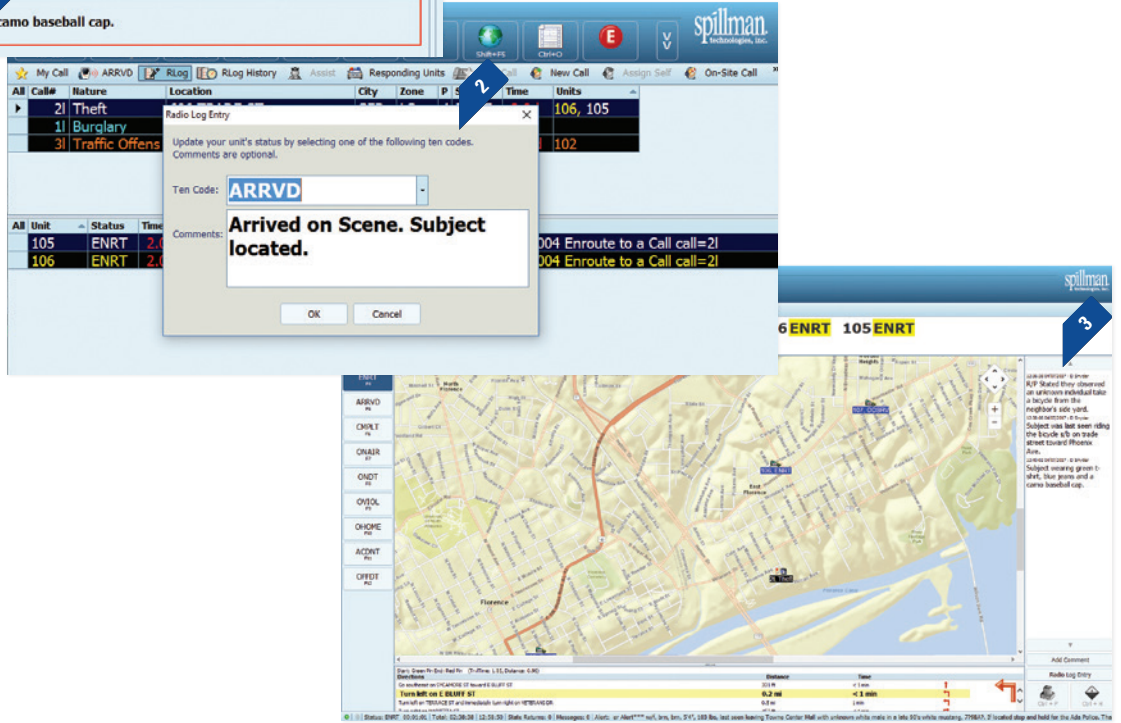
EFFICIENT RADIO LOGS

With Mobile Voiceless CAD, field personnel have quick and consistent access to radio logs for federal, state, or department reports. The module automatically tracks incident information, such as response times and status updates, eliminating the need to request a radio log history from dispatchers. This helps your agency record keeping remain up-to-date and accurate.





1. Using Mobile Voiceless CAD, view the call nature, address, and call comments directly from a laptop computer, with the most recent call comments highlighted in red.
2. Update call and unit statuses in one convenient location.
3. Quickly view comments regarding a call while on the Mobile map screen.



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MOBILE ARREST FORM

CONVENIENTLY RECORD ARREST DATA WHILE COMPLETING A FIELD REPORT

TIME-SAVING PROCESSES

The Mobile Arrest Form enables agency personnel to complete many incident and arrest-related tasks in a single application while responding in the field. When added on to the Mobile Field Report with Field Interview module, the arrest form enables personnel to outline detailed arrest information when creating incident records. This includes information such as name, location, arrest type, and offense codes. Using the Mobile Arrest Form enables field personnel to follow a more natural workflow while responding to calls for service, saving time and reducing the need to duplicate work.

JAIL INTEGRATION

Both the arresting agency and receiving corrections facility can save time with the Mobile Arrest Form's smooth integration capabilities. For jails on the same Spillman Flex system as the arresting agency, data entered into the form is automatically populated into the appropriate jail records through the central Hub. For jails on a separate Flex system or a non-Flex system, the Mobile Field Report with Field Interview module generates a printable booking sheet that can be customized to meet the needs of jail personnel.

MULTIPLE ARREST CAPABILITY

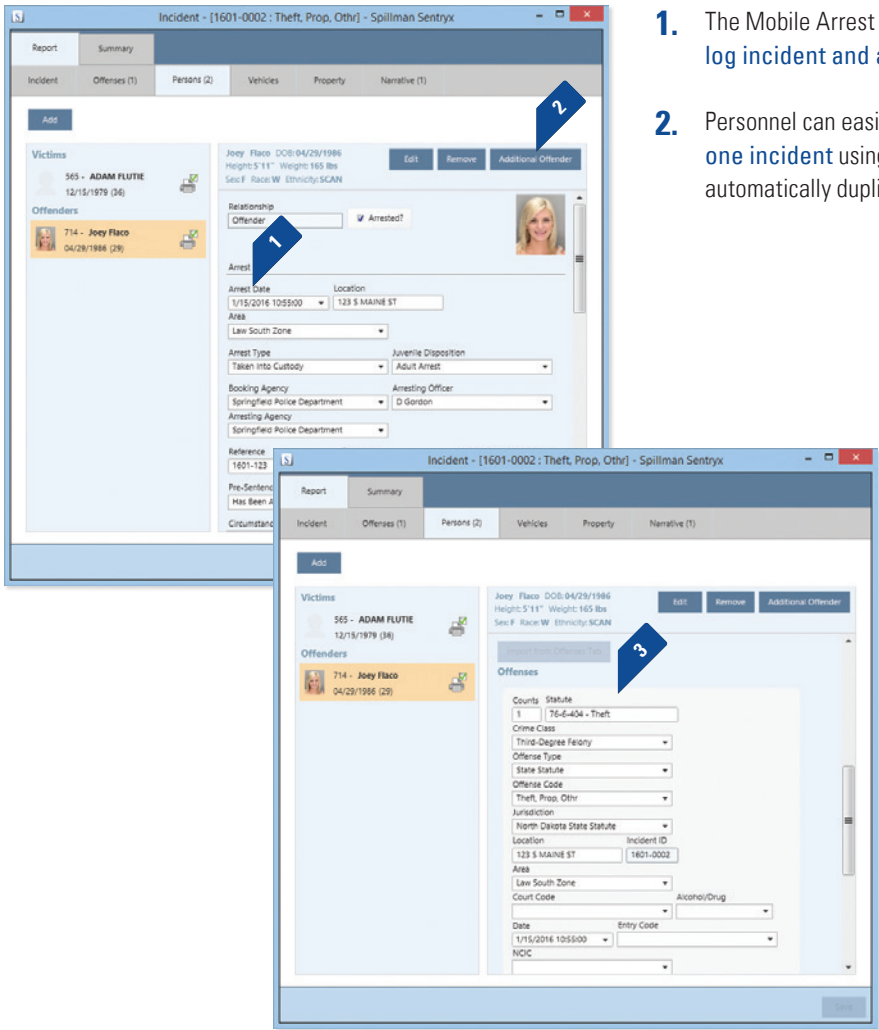
Some calls for service require responding officers to arrest multiple individuals at once. Re-entering the same incident data into each offender record, such as date, time, location, and booking agency, can be a time-consuming process. The Mobile Arrest Form includes a duplicating feature that enables the arresting officer to quickly and easily attach

multiple offender records to the same incident record. After completing the first offender record, the officer can select "Additional Offender" and the applicable fields will automatically populate, saving time and promoting data consistency.

Flex's Mobile Field Report with Field Interview module is required to run the Mobile Arrest Form.

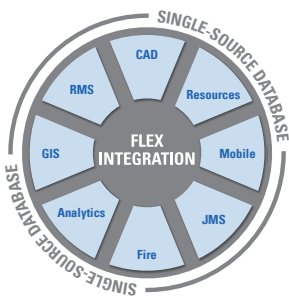
ACCURATE REPORTING

The Mobile Arrest Form expedites the crime reporting process for public safety agencies by placing all required fields, including state-specific incident-based reporting (IBR) requirements, in one location. With the form, first responders can quickly enter required data in the field while the information is fresh in their minds. This creates more accurate reports because records clerks do not have to capture all incident details after the fact.



1. The Mobile Arrest Form allows field personnel to efficiently log incident and arrest data in one application.
2. Personnel can easily attach multiple offender records to one incident using the “Additional Offender” function, which automatically duplicates basic information about the call.

3. The form enables personnel to quickly capture all data required for crime reporting, including state-specific IBR requirements.



TOTAL SOFTWARE INTEGRATION

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STATELINK

QUERY STATE AND NATIONAL DATA AND UPDATE LOCAL RECORDS

STATE AND NATIONAL DATABASE QUERIES

Agency personnel can use a single query into state, national, and other external databases to access information about wanted persons, stolen vehicles, missing persons, criminal histories, vehicle registrations, driver license information, and other critical data. Queries are sent securely and can be accessed from the StateLink request screen, from the Computer-Aided Dispatch (CAD) module, or from a record within another Spillman Flex module. State-specific transaction forms are available to meet agencies' custom needs, and users can set security privileges to regulate access.

CAD INTEGRATION

Spillman Flex's StateLink module automatically creates a CAD radio log each time a user sends a query to state, national, or other external databases. These log entries include the unit, responsible agency, time and date, and other transaction information, which can be used to easily track a particular search at a later time. Because personnel can easily search for queries directly from the CAD screen, they have access to valuable information without requiring an additional terminal.

ALERTS ON POTENTIAL DANGERS

When an officer receives a response on a wanted person or stolen vehicle, the StateLink modules sends an alert to dispatchers to warn them of a potentially dangerous situation. The alert shows up as a red-highlighted message on the CAD screen. Agency personnel can also set the alerts to pop up on other officers' screens, allowing nearby personnel to be ready in case the officer needs backup. Officers can use the voice

alert feature to listen to incoming query alerts without needing to look at their laptops.

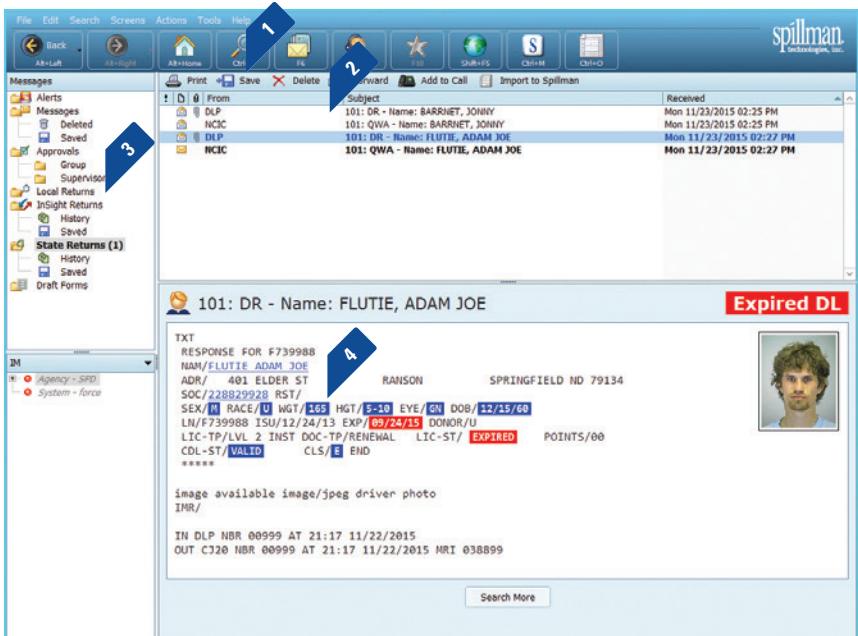
MULTIPLE RESPONSE DESTINATIONS

Personnel can use the StateLink module to send query and transaction responses to a printer or a group of users. Each time a transaction is submitted, the sender receives a response with the queried information. If no matching records are found, the sender will receive a notification to that effect.

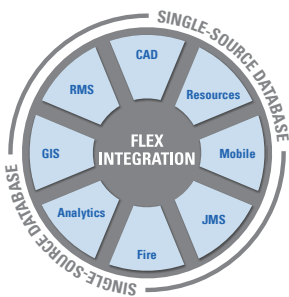
MOBILE INTEGRATION

When integrated with the optional Mobile State & National Queries module, field officers can query local, state, and national databases simultaneously for instant data on names, vehicles, property, wanted persons, and available images.





1. The StateLink module allows users to view the number of state returns in the transaction history and **save selected transactions for future reference**.
2. Users can **view the source, subject, and date received** of all returns.
3. In Flex's Mobile Message Center, personnel can quickly **view all local, state, and national query returns**.
4. StateLink users are able to **view returns in a state-specific format**, with alerts appearing in red and other points of interest in blue.



TOTAL SOFTWARE INTEGRATION

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**TOWN OF PAONIA
BOARD OF TRUSTEES MEETING
STAFF REPORT**

AGENDA ITEM:	Item 14. Consideration of Approval to Cancel the Second Board Meeting of December
SUBMITTED BY:	Samira Vetter, Town Clerk
DATE:	December 12, 2023
BACKGROUND:	It has been a tradition to cancel the second Regular Meeting of the Board of Trustees for the month of December.
BUDGET:	N/A
RECOMMENDATION:	We recommend the cancelling of the second Regular Board Meeting of December 2023.
ATTACHMENT:	The Town of Paonia Staff attaches their hopes that the Board of Trustees and Community Members will have pleasant and restful Holidays and the Happiest of New Years!