



Hildale City Council Meeting

Wednesday, January 10, 2024 at 6:00 PM

320 East Newel Avenue, Hildale City, Utah 84784

Agenda

Notice is hereby given to the members of the Hildale City Council and the public, that the City Council will hold a public meeting on **Wednesday, January 10, 2024, at 6:00 p.m. (MDT)**, at 320 East Newel Avenue, Hildale City, Utah 84784.

Councilmembers may be participating electronically by video or telephone conference. The meeting will be broadcast to the public on Facebook Live under Hildale's City page. Members of the public may also watch the City of Hildale through the scheduled Zoom meeting.

<https://www.facebook.com/hildalecity/live/>

Join Zoom Meeting

<https://zoom.us/j/95770171318?pwd=aUVSU0hRSFFHcGQvcUIPT3ZYK0p5UT09>

Meeting ID: 957 7017 1318

Passcode: 993804

Comments during the public comment or public hearing portions of the meeting may be emailed to manager@hildalecity.com or privately messaged to Hildale City's Facebook page. All comments sent before the meeting may be read during the meeting and messages or emails sent during the meeting may be read at the Mayor's discretion.

Welcome, Introduction and Preliminary Matters: Mayor Jessop

1. Ceremonial swearing in of elected Council members JVar Dutson, Luke Meredith, Darlene Stubbs.

Roll Call of Council Attendees: City Recorder Barlow

Pledge of Allegiance: By Invitation of Mayor Jessop

Conflict of Interest Disclosures: Mayor and Council Members

Special Recognitions: By Mayor Jessop

2. Recognition of Council members Lawrence Barlow and Stacy Seay.
3. Recognition of out-going Planning and Zoning Commissioners Nathaniel Fischer and Derick Holm.
4. City Council Community Recognition and Appreciation Award

Public Presentations: NONE

Approval of Minutes of Previous Meetings: Council Members

5. Possible approval of Meeting Minutes 8-2-2023 and 12-6-2023.

Public Comments: (3 minutes each - Discretion of Mayor Jessop)

Council Comments: Council members for items not on the agenda. (10 minutes total)

Oversight Items: (10 minutes - Mayor Jessop)

6. Financial Report and Invoice Register approval

7. City Managers report (Department reports included)

Public Hearing: Mayor Jessop

8. Notice is hereby given to the members of the Hildale City Council and the public, that the City Council will hold a hearing concerning the Culinary Water Impact Fee Facilities Plan as part of the regular public meeting on **Wednesday, January 10, 2024 at 6:00 p.m. (MDT)**, at 320 East Newel Avenue, Hildale City, Utah 84784.

This public hearing is for the Council to accept public comment concerning the adoption or amendment of a facilities plan.

Appointments to Boards or Commissions: Mayor Jessop

9. Mayor notification of appointment of Thirkle Nielsen and Jeromy Williams to the Hildale Planning & Zoning Commission.

Unfinished Council Business: NONE

New Council Business:

10. Consideration, discussion, and possible action concerning a request to rezone HD-SHCR-2-38, commonly addressed as 985 W. Field Ave from Rural Agriculture 1 (RA-1) to Residential Multifamily 2 (RM-2). (15 minutes CM Duthie)
11. Consideration, discussion, and possible action authorizing the initiation of the process to create a special service district. (40 minutes CM Duthie)

Calendar of Upcoming Events: (5 minutes - CR Barlow)

12. January 2024 Calendar

Executive Session: As needed

Scheduling: As needed

Adjournment: Mayor Jessop

Agenda items and any variables thereto are set for consideration, discussion, approval, or other action. Council Members may be attending by telephone. Agenda is subject to change up to 24 hours prior to the meeting. Individuals needing special accommodations should notify the City Recorder at 435-874-2323 at least three days prior to the meeting.



Hildale City Joint Council/PZ Work Session

Wednesday, August 02, 2023 at 6:00 PM
320 East Newel Avenue, Hildale City, Utah 84784

Minutes

Welcome, Introduction and Preliminary Matters:

Mayor Jessop called Meeting to order at 6:05pm

Roll Call of Council Attendees:

 City Recorder Barlow

PRESENT

- Mayor Donia Jessop
- Council Member Lawrence Barlow
- Council Member JVar Dutson
- Council Member Brigham Holm
- Council Member Stacy Seay

Chair Hammon, Vice Hair Wall, Commissioner Fischer, Commissioner Holm

ABSENT

Council Member Terrill Musser

Staff

Eric Duthie, Roger Carter, Harrison Johnson, Sammie Cawley

Conflict of Interest Disclosures:

 Mayor and Council Members

Not at this time.

New Council Business:

- The City Council and the Planning Commission will discuss a variety of issues, to include:**

Land use maps, General Plan amendments, potential Subdivision developments, policies, procedures, and planning.

NO ACTION WILL BE TAKEN.

Chair Hammon spoke on short term rentals and the issues with them being in Residentials. He discussed the concern for the requirements of a site plan for a rezone.

Adjournment:

Mayor Jessop adjourned meeting at 7:55on

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Minutes were approved at the City Council Meeting on _____.

Sirrene J. Barlow, City Recorder



Hildale City Council Meeting

Wednesday, December 06, 2023 at 6:00 PM
320 East Newel Avenue, Hildale City, Utah 84784

Minutes

Welcome, Introduction and Preliminary Matters:

Mayor Jessop called the meeting to order at 6:00pm.

Roll Call of Council Attendees:

PRESENT

Mayor Donia Jessop
Council Member Lawrence Barlow
Council Member JVar Dutson
Council Member Brigham Holm
Council Member Terrill Musser
Council Member Stacy Seay

Pledge of Allegiance:

Pledge lead by Council Member Barlow.

Conflict of Interest Disclosures:

Council Member Dutson would like to state #5 as a conflict.

Special Recognitions:

1. City Council Community Recognition and Appreciation Award

Council Member Barlow recognized Bob Flower as a leader in the police force.

Public Presentations: NONE

Approval of Minutes of Previous Meetings:

2. City Council meeting minutes of November 8, 2023, Regular Hildale City Council Meeting.

Council Members reviewed the minutes.

Motion made by Council Member Holm to approve the meeting minutes for November 8, 2023, regular city council meeting, Seconded by Council Member Dutson.

Voting Yea: Council Member Barlow, Council Member Dutson, Council Member Holm, Council Member Musser, Council Member Seay
Motion Carries

Public Comments:

No Public Comments.

Council Comments:

Council Member Musser thanked Public Works for their efforts. Also, would like to thank everyone for the efforts in the Tree Lighting.

Council Member Dutson would like to recognize the turn out for the Tree Lighting.

Oversight Items:**3. Financial Report and Invoice Register approval**

City Manager Duthie presented the finance report. Council Members discussed many line items.

Motion made by Council Member Dutson to pay the bills as funds become available, Seconded by Council Member Musser.

Voting Yea: Council Member Barlow, Council Member Dutson, Council Member Holm, Council Member Musser, Council Member Seay

Motion Caries.

4. City Managers report (Department reports included)

Mayor Jessop recognized City Manager Duthie for putting in long hours and the work he does.

City Manager Duthie discussed in great detail different projects and concerns.

Public Hearing: NONE

Appointments to Boards or Commissions: NONE

Unfinished Council Business:**5. Consideration, discussion, and ratification of invoice payment to JNJ Engineering for \$114,325.50 as part of the Safe Routes to School grant 2023; Discussion of bid process and future limitations.**

Council Member Dutson has a conflict of interest being he is the Director of JNJ Engineering. He will remove from the discussion.

Motion made by Council Member Seay to ratification of invoice payment to JNJ Engineering for \$114,325.50 as part of the Safe Routes to School grant 2023; Discussion of bid process and future limitations, Seconded by Council Member Musser.

Voting Yea: Council Member Barlow, Council Member Holm, Council Member Musser, Council Member Seay

Voting Abstaining: Council Member Dutson

Motion Carries.

New Council Business:**6. Consideration, discussion, and possible approval of Resolution 2023-12-001 announcing the official Canvass of the 2023 Hildale City Municipal Election results.**

City Recorder Barlow read into the record the 2023 election results.

Mayor Jessop read into the record Resolution 2023-12-001.

Motion made by Council Member Musser to approve Resolution 2023-12-001 announcing the official Canvass of the 2023 Hildale City Municipal Election results, Seconded by Council Member Holm.

Voting Yea: Council Member Barlow, Council Member Dutson, Council Member Holm, Council Member Musser, Council Member Seay

Motion Carries.

7. Consideration, discussion, and possible action concerning Resolution 2023-12-002, Application for Recertification of Existing Justice Courts; and approval to submit the application by the December 15, 2023, deadline.

City Manager Duthie presented to the Council the need to renew our certification of the Court.

Mayor Jessop read the Resolution into the record.

Motion made by Council Member Barlow to approve Resolution 2023-12-002, Application for Recertification of Existing Justice Courts; and approval to submit the application by the December 15, 2023, deadline, Seconded by Council Member Dutson.

Voting Yea: Council Member Barlow, Council Member Dutson, Council Member Holm, Council Member Musser, Council Member Seay
Motion Carries.

8. Consideration, discussion, and possible action concerning Resolution 2023-12-003, authorizing submission of a Utah Department of Transportation Safe Routes to School grant application; and approval to submit the application by the December 15, 2023, deadline.

City Manager Duthie presented the Grant Application.

Mayor Jessop read the Resolution into the record.

Motion made by Council Member Seay to approve Resolution 2023-12-003, authorizing submission of a Utah Department of Transportation Safe Routes to School grant application; and approval to submit the application by the December 15, 2023, deadline, Seconded by Council Member Dutson.

Voting Yea: Council Member Barlow, Council Member Dutson, Council Member Holm, Council Member Musser, Council Member Seay
Motion Carries.

9. Consideration, discussion, and possible action concerning Resolution 2023-12-004, Hildale City Rates and Fees adjustment.

City Manager Duthie and City Recorder Barlow presented fee changes. The Council discussed and reviewed the changes.

Motion made by Council Member Barlow to approve Resolution 2023-12-004, Hildale City Rates and Fees adjustment, Seconded by Council Member Seay.

Voting Yea: Council Member Barlow, Council Member Dutson, Council Member Holm, Council Member Musser, Council Member Seay
Motion Carries.

10. Consideration, discussion, and possible action concerning Resolution 2023-12-005, authorizing submission of a Capital Asset Self Inventory and Community Development Block Grant application; and approval to submit the application by the January 5, 2024, deadline.

City Manager Duthie presented the resolution.

Motion made by Council Member Seay to approve Resolution 2023-12-005, authorizing submission of a Capital Asset Self Inventory and Community Development Block Grant application; and approval to submit the application by the January 5, 2024, deadline, Seconded by Council Member Barlow.

Voting Yea: Council Member Barlow, Council Member Dutson, Council Member Holm, Council Member Musser, Council Member Seay
Motion Carries.

11. Consideration, discussion, and possible action concerning Resolution 2023-12-006, authorizing submission of a Building Resilient Infrastructure and Communities grant application to the Federal Emergency Management Agency (FEMA) for Community Disaster Resilience Zones mitigation.

City Manager Duthie presented the Resolution to Council.

Motion made by Council Member Dutson to approve Resolution 2023-12-006, authorizing submission of a Building Resilient Infrastructure and Communities grant application to the Federal Emergency Management Agency (FEMA) for Community Disaster Resilience Zones mitigation, Seconded by Council Member Musser.

Voting Yea: Council Member Barlow, Council Member Dutson, Council Member Holm, Council Member Musser, Council Member Seay

Motion Carries.

- 12. Consideration, discussion, and possible action concerning Resolution 2023-12-007, authorizing submission, through Sunrise Engineering, of a Utah Department of Transportation Technical Planning Assistance Grant for a Hildale City Innovations Center Traffic Study and Preliminary Design application in the amount of \$32,300.00.**

City Manager Duthie presented the Resolution to Council.

Motion made by Council Member Musser to approve Resolution 2023-12-007, authorizing submission, through Sunrise Engineering, of a Utah Department of Transportation Technical Planning Assistance Grant for a Hildale City Innovations Center Traffic Study and Preliminary Design application in the amount of \$32,300.00, Seconded by Council Member Dutson.

Voting Yea: Council Member Barlow, Council Member Dutson, Council Member Holm, Council Member Musser, Council Member Seay

Motion Carries.

- 13. Consideration, discussion, and possible Ratification of a Memorandum of Understanding between Hildale City and Hansen Planning Group to update the Hildale Zoning Code in accordance with 2023 legislative mandates. This update is not to exceed \$14,000 and is to be paid for directly by the State of Utah.**

City Manager Duthie presented to Council a possible Ratification.

Motion made by Council Member Barlow to approve Ratification of a Memorandum of Understanding between Hildale City and Hansen Planning Group to update the Hildale Zoning Code in accordance with 2023 legislative mandates. This update is not to exceed \$14,000 and is to be paid directly by the State of Utah, Seconded by Council Member Dutson.

Voting Yea: Council Member Barlow, Council Member Dutson, Council Member Holm, Council Member Musser, Council Member Seay

Motion Carries.

- 14. Consideration, discussion, and possible action concerning inclusion of the Hildale/Colorado City Utilities as a potential recipient of class action litigation settlement funding from United States vs. DuPont Chemical.**

Utility Director Postema presented to Council a class action lawsuit that could make Hildale/ Colorado City Utility a potential recipient.

Motion made by Council Member Dutson to approve inclusion of the Hildale/Colorado City Utilities as a potential recipient of class action litigation settlement funding from United States vs. DuPont Chemical, Seconded by Council Member Barlow.

Voting Yea: Council Member Barlow, Council Member Dutson, Council Member Holm, Council Member Musser, Council Member Seay

Motion Carries.

- 15. Consideration, discussion, and possible approval to initiate discussion concerning a request from Ash Creek Special Services District for the Mountain Valley Estates project to discuss a potential lift station and connection to the Hildale Lagoons.**

Utility Director Postema presented to Council.

Motion made by Council Member Barlow to approval to initiate discussion concerning a request from Ash Creek Special Services District for the Mountain Valley Estates project to discuss a potential lift station and connection to the Hildale Lagoons, Seconded by Council Member Musser.

Voting Yea: Council Member Barlow, Council Member Dutson, Council Member Holm, Council Member Musser, Council Member Seay
Motion Carries.

16. Introduction and discussion concerning the Hildale-Colorado City Water Master Plan and Draft Impact Fee.

Utility Director Postema presented to Council the upcoming impact fees. The Council discussed in great details. Gratitude for Jerry and his efforts were voiced.

Calendar of Upcoming Events:

17. December 2023 City Council Calendar

Executive Session: As needed.

Adjournment:

Mayor Jessop adjourned meeting at 8:16pm

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Minutes were approved at the City Council Meeting on _____.

Sirrene J. Barlow, City Recorder

CITY OF HILDALE
 REVENUES WITH COMPARISON TO BUDGET
 FOR THE 6 MONTHS ENDING DECEMBER 31, 2023

Item 6.

GENERAL FUND

		PERIOD ACTUAL	YTD ACTUAL	BUDGET	UNEXPENDED	PCNT
<u>TAXES</u>						
11-31-100	PROPERTY TAX - CURRENT YEAR	94,264.98	94,264.98	115,017.00	20,752.02	82.0
11-31-200	PROP TAX - DELINQUENT PR YR	6,387.81	6,387.81	36,799.00	30,411.19	17.4
11-31-300	GENERAL SALES & USE TAX	90,908.90	90,908.90	190,000.00	99,091.10	47.9
11-31-301	RAP TAX	6,119.60	6,119.60	35,298.00	29,178.40	17.3
11-31-400	FRANCHISE TAX - ENERGY & USE	.00	.00	4,395.00	4,395.00	.0
11-31-401	ENERGY & USE TAX	32,261.90	32,261.90	83,868.00	51,606.10	38.5
11-31-402	TELECOM LICENSE TAX	2,461.96	2,461.96	5,732.00	3,270.04	43.0
11-31-403	TRANSIENT ROOM TAX	11,352.38	11,352.38	18,000.00	6,647.62	63.1
11-31-700	FEE-IN-LIEU TX - PERSONAL PROP	8,359.98	8,359.98	18,500.00	10,140.02	45.2
11-31-900	PNLTY & INT ON DELINQ TAXES	405.81	405.81	2,000.00	1,594.19	20.3
	TOTAL TAXES	252,523.32	252,523.32	509,609.00	257,085.68	49.6
<u>LICENSES AND PERMITS</u>						
11-32-100	BUSINESS LICENSE FEES	3,435.00	3,435.00	10,000.00	6,565.00	34.4
11-32-200	BUILDING PERMITS	13,722.64	13,722.64	35,000.00	21,277.36	39.2
11-32-300	LAND USE FEE'S	5,588.50	5,588.50	10,000.00	4,411.50	55.9
	TOTAL LICENSES AND PERMITS	22,746.14	22,746.14	55,000.00	32,253.86	41.4
<u>INTERGOVERNMENTAL REVENUE</u>						
11-33-411	FD BEMS GRANT	.00	.00	147,059.00	147,059.00	.0
11-33-421	FD ASSISTANCE GRANT	.00	.00	7,500.00	7,500.00	.0
11-33-433	UDOT SAFE ROUTES TO SCHOOL GRA	.00	.00	283,824.00	283,824.00	.0
11-33-437	CORONAVIRUS RELIEF FUNDS	.00	.00	336,503.00	336,503.00	.0
11-33-438	UDOT 2022 GRANT	.00	.00	142,448.00	142,448.00	.0
11-33-560	CLASS C ROAD FUND	27,860.53	27,860.53	80,000.00	52,139.47	34.8
11-33-565	HIGHWAY/TRANSIT TAX	8,312.42	8,312.42	36,174.00	27,861.58	23.0
11-33-580	LIQUOR FUND ALLOTMENT	.00	.00	3,000.00	3,000.00	.0
11-33-582	INNOVATION CENTER	.00	.00	539,155.00	539,155.00	.0
	TOTAL INTERGOVERNMENTAL REVENUE	36,172.95	36,172.95	1,575,663.00	1,539,490.05	2.3
<u>CHARGES FOR SERVICES</u>						
11-34-120	GRAMA, COPYING, ETC.	4,577.32	4,577.32	3,000.00	(1,577.32)	152.6
11-34-252	SRO POLICE	.00	.00	30,000.00	30,000.00	.0
11-34-915	GARKANE SERVICES	.00	.00	1,167.00	1,167.00	.0
	TOTAL CHARGES FOR SERVICES	4,577.32	4,577.32	34,167.00	29,589.68	13.4

CITY OF HILDALE
REVENUES WITH COMPARISON TO BUDGET
FOR THE 6 MONTHS ENDING DECEMBER 31, 2023

Item 6.

GENERAL FUND

	PERIOD ACTUAL	YTD ACTUAL	BUDGET	UNEXPENDED	PCNT
<u>FINES AND FORFEITURES</u>					
11-35-110 COURT FINES	19,290.50	19,290.50	35,000.00	15,709.50	55.1
11-35-210 BAIL AND BOND FORFEITURE	.00	.00	1,000.00	1,000.00	.0
TOTAL FINES AND FORFEITURES	19,290.50	19,290.50	36,000.00	16,709.50	53.6
<u>MISCELLANEOUS REVENUE</u>					
11-36-100 INTEREST EARNINGS - GEN FUND	5,050.81	5,050.81	10,000.00	4,949.19	50.5
11-36-210 RENTAL - OFFICES IN CITY BLDG	.00	.00	12,000.00	12,000.00	.0
11-36-600 SUNDRY REVENUES	20.00	20.00	.00	(20.00)	.0
11-36-800 LOT LEASES	22,748.65	22,748.65	54,597.00	31,848.35	41.7
11-36-910 SUNDRY REV - GEN FUND	4,236.15	4,236.15	5,000.00	763.85	84.7
TOTAL MISCELLANEOUS REVENUE	32,055.61	32,055.61	81,597.00	49,541.39	39.3
<u>CONTRIBUTIONS AND TRANSFERS</u>					
11-38-248 EVENT FEES	(3,954.88)	(3,954.88)	10,000.00	13,954.88	(39.6)
11-38-920 APPROP - CAPITAL PROJECTS	.00	.00	208,476.00	208,476.00	.0
TOTAL CONTRIBUTIONS AND TRANSFERS	(3,954.88)	(3,954.88)	218,476.00	222,430.88	(1.8)
TOTAL FUND REVENUE	363,410.96	363,410.96	2,510,512.00	2,147,101.04	14.5

CITY OF HILDALE
EXPENDITURES WITH COMPARISON TO BUDGET
FOR THE 6 MONTHS ENDING DECEMBER 31, 2023

Item 6.

GENERAL FUND

	PERIOD ACTUAL	YTD ACTUAL	BUDGET	UNEXPENDED	PCNT
<u>GEN GOVT ADMINISTRATION</u>					
11-41-110 SALARIES-PERMANENT EMPLOYEES	78,302.45	78,302.45	56,698.00	(21,604.45)	138.1
11-41-111 SECRETARIAL STAFF	17,752.85	17,752.85	.00	(17,752.85)	.0
11-41-112 MAYOR	8,480.78	8,480.78	30,000.00	21,519.22	28.3
11-41-113 MANAGER	27,349.95	27,349.95	41,737.00	14,387.05	65.5
11-41-114 TREASURER	1,698.26	1,698.26	6,184.00	4,485.74	27.5
11-41-115 RECORDER	18,403.00	18,403.00	37,329.00	18,926.00	49.3
11-41-117 ATTORNEY	30,000.00	30,000.00	60,000.00	30,000.00	50.0
11-41-120 SALARIES-TEMPORARY EMPLOYEES	.00	.00	22,628.00	22,628.00	.0
11-41-130 PAYROLL TAXES	8,763.05	8,763.05	16,580.00	7,816.95	52.9
11-41-140 BENEFITS-OTHER	(14,479.93)	(14,479.93)	14,668.00	29,147.93	(98.7)
11-41-151 STIPENDS - CITY COUNCIL	2,240.00	2,240.00	6,860.00	4,620.00	32.7
11-41-152 STIPENDS - PLANNING COMMISSION	1,470.00	1,470.00	4,900.00	3,430.00	30.0
11-41-210 BOOKS, SUBSCR, & MEMBERSHIPS	20,452.25	20,452.25	5,000.00	(15,452.25)	409.1
11-41-230 TRAVEL & TRAINING	8,233.13	8,233.13	10,000.00	1,766.87	82.3
11-41-235 HEALTH & HYDRATION	1,352.62	1,352.62	3,000.00	1,647.38	45.1
11-41-240 OFFICE EXPENSE & SUPPLIES	2,779.45	2,779.45	3,000.00	220.55	92.7
11-41-241 COPIER & PRINTER	940.78	940.78	1,000.00	59.22	94.1
11-41-242 SERVICE FEES	3,033.86	3,033.86	1,000.00	(2,033.86)	303.4
11-41-244 PRINT & POSTAGE	4,680.35	4,680.35	4,600.00	(80.35)	101.8
11-41-250 EQUIPMENT SUPPLIES & MAINT	192.14	192.14	.00	(192.14)	.0
11-41-257 FUEL	1,488.17	1,488.17	4,000.00	2,511.83	37.2
11-41-271 MAINT & SUPPLY - BUILDING	3,014.80	3,014.80	7,000.00	3,985.20	43.1
11-41-272 MAINT & SUPPLY - IT	468.70	468.70	2,000.00	1,531.30	23.4
11-41-280 UTILITIES	531.67	531.67	4,000.00	3,468.33	13.3
11-41-285 POWER	764.84	764.84	4,000.00	3,235.16	19.1
11-41-287 TELEPHONE	5,200.44	5,200.44	9,000.00	3,799.56	57.8
11-41-310 PROFESSIONAL & TECHNICAL	13,202.47	13,202.47	20,000.00	6,797.53	66.0
11-41-311 ENGINEER	1,647.62	1,647.62	1,000.00	(647.62)	164.8
11-41-312 CONSULTANT	21,663.99	21,663.99	15,000.00	(6,663.99)	144.4
11-41-313 AUDITOR	6,930.00	6,930.00	20,000.00	13,070.00	34.7
11-41-315 INFORMATION TECHNOLOGY - SYSTE	.00	.00	3,000.00	3,000.00	.0
11-41-316 INFORMATION TECHNOLOGY - SERVI	8,138.79	8,138.79	3,000.00	(5,138.79)	271.3
11-41-317 INFORMATION TECHNOLOGY - CONS	.00	.00	3,000.00	3,000.00	.0
11-41-318 INFORMATION TECHNOLOGY - SOFTW	930.17	930.17	3,000.00	2,069.83	31.0
11-41-330 EDUCATION	120.00	120.00	3,000.00	2,880.00	4.0
11-41-510 INSURANCE	38,437.35	38,437.35	40,000.00	1,562.65	96.1
11-41-521 CREDIT CARD EXPENSE	793.13	793.13	1,500.00	706.87	52.9
11-41-720 BUILDINGS	16,510.00	16,510.00	3,000.00	(13,510.00)	550.3
11-41-743 EQUIPMENT - VEHICLE	3,983.38	3,983.38	20,000.00	16,016.62	19.9
11-41-785 INNOVATION CENTER	.00	.00	418,009.00	418,009.00	.0
TOTAL GEN GOVT ADMINISTRATION	345,470.51	345,470.51	908,693.00	563,222.49	38.0

CITY OF HILDALE
EXPENDITURES WITH COMPARISON TO BUDGET
FOR THE 6 MONTHS ENDING DECEMBER 31, 2023

Item 6.

GENERAL FUND

	PERIOD ACTUAL	YTD ACTUAL	BUDGET	UNEXPENDED	PCNT
<u>MUNICIPAL COURT</u>					
11-42-110 SALARIES-PERMANENT EMPLOYEES	27,013.09	27,013.09	28,718.00	1,704.91	94.1
11-42-130 PAYROLL TAXES & BENEFITS	4,932.52	4,932.52	2,200.00	(2,732.52)	224.2
11-42-287 TELEPHONE	40.00	40.00	.00	(40.00)	.0
11-42-310 PROFESSIONAL & TECHNICAL	4,570.00	4,570.00	14,000.00	9,430.00	32.6
11-42-550 FINES, SURCHARGES - AOC	5,726.71	5,726.71	10,000.00	4,273.29	57.3
11-42-551 RESTITUTION PAYMENTS	232.91	232.91	1,000.00	767.09	23.3
11-42-552 BAIL, BOND PAYMENT RELEASE	800.00	800.00	2,000.00	1,200.00	40.0
11-42-790 OTHER	450.00	450.00	.00	(450.00)	.0
TOTAL MUNICIPAL COURT	43,765.23	43,765.23	57,918.00	14,152.77	75.6
<u>POLICE DEPARTMENT</u>					
11-43-242 SPECIAL EVENTS SERVICE	65.10	65.10	.00	(65.10)	.0
11-43-287 TELEPHONE	.00	.00	900.00	900.00	.0
11-43-980 INTRA-GOVT CHARGES	171,694.15	171,694.15	380,317.00	208,622.85	45.2
TOTAL POLICE DEPARTMENT	171,759.25	171,759.25	381,217.00	209,457.75	45.1
<u>FIRE DEPARTMENT</u>					
11-44-810 FD BEMS GRANT TRANSFER	4,236.15	4,236.15	147,059.00	142,822.85	2.9
11-44-980 INTRA-GOVT CHARGES	45,499.98	45,499.98	71,000.00	25,500.02	64.1
TOTAL FIRE DEPARTMENT	49,736.13	49,736.13	218,059.00	168,322.87	22.8
<u>BUILDING DEPARTMENT</u>					
11-45-110 SALARIES-PERMANENT EMPLOYEES	15,389.77	15,389.77	14,125.00	(1,264.77)	109.0
11-45-210 BOOKS, SUBSCR, & MEMBERSHIPS	375.00	375.00	200.00	(175.00)	187.5
11-45-330 EDUCATION	1,856.00	1,856.00	.00	(1,856.00)	.0
TOTAL BUILDING DEPARTMENT	17,620.77	17,620.77	14,325.00	(3,295.77)	123.0
<u>PUBLIC SAFETY DISPATCH</u>					
11-46-980 INTRA-GOVT CHARGES	47,570.00	47,570.00	112,952.00	65,382.00	42.1
TOTAL PUBLIC SAFETY DISPATCH	47,570.00	47,570.00	112,952.00	65,382.00	42.1

CITY OF HILDALE
EXPENDITURES WITH COMPARISON TO BUDGET
FOR THE 6 MONTHS ENDING DECEMBER 31, 2023

Item 6.

GENERAL FUND

		PERIOD ACTUAL	YTD ACTUAL	BUDGET	UNEXPENDED	PCNT
<u>PUBLIC WORKS - STREETS & ROADS</u>						
11-47-110	SALARIES-PERMANENT EMPLOYEES	49,130.86	49,130.86	137,064.00	87,933.14	35.9
11-47-130	PAYROLL TAXES	4,295.09	4,295.09	12,534.00	8,238.91	34.3
11-47-140	BENEFITS-OTHER	.00	.00	11,087.00	11,087.00	.0
11-47-210	BOOKS, SUBSCR, & MEMBERSHIPS	370.00	370.00	500.00	130.00	74.0
11-47-250	EQUIPMENT SUPPLIES & MAINT	414.57	414.57	3,000.00	2,585.43	13.8
11-47-255	EQUIPMENT RENT OR LEASE	.00	.00	3,000.00	3,000.00	.0
11-47-257	FUEL	1,752.34	1,752.34	5,000.00	3,247.66	35.1
11-47-258	BULK OIL	.00	.00	2,000.00	2,000.00	.0
11-47-260	TOOLS & EQUIPMENT-NON CAPITAL	.00	.00	500.00	500.00	.0
11-47-272	MAINT & SUPPLY - OTHER	111.91	111.91	1,000.00	888.09	11.2
11-47-274	MAINT & SUPPLY EQUIPMENT	167.96	167.96	500.00	332.04	33.6
11-47-286	STREET LIGHTS	2,437.16	2,437.16	6,000.00	3,562.84	40.6
11-47-330	EDUCATION	400.00	400.00	.00	(400.00)	.0
11-47-410	SPEC DEPT MATERIALS & SUPPLIES	406.60	406.60	232,674.00	232,267.40	.2
11-47-743	EQUIPMENT - VEHICLE	160.00	160.00	2,000.00	1,840.00	8.0
11-47-953	SAFE ROUTES TO SCHOOL	93,136.91	93,136.91	293,626.00	200,489.09	31.7
	TOTAL PUBLIC WORKS - STREETS & ROADS	152,783.40	152,783.40	710,485.00	557,701.60	21.5
<u>PUBLIC WORKS - PARKS</u>						
11-48-110	SALARIES-PERMANENT EMPLOYEES	24,520.49	24,520.49	51,545.00	27,024.51	47.6
11-48-120	SALARIES-TEMPORARY EMPLOYEES	.00	.00	5,000.00	5,000.00	.0
11-48-130	PAYROLL TAXES	1,963.03	1,963.03	4,020.00	2,056.97	48.8
11-48-140	BENEFITS-OTHER	262.50	262.50	.00	(262.50)	.0
11-48-230	TRAVEL, MEETINGS, AND TRAINING	40.00	40.00	500.00	460.00	8.0
11-48-240	OFFICE EXPENSE & SUPPLIES	1,116.00	1,116.00	500.00	(616.00)	223.2
11-48-250	EQUIPMENT SUPPLIES & MAINT	1,228.93	1,228.93	5,298.00	4,069.07	23.2
11-48-257	FUEL	1,072.88	1,072.88	2,000.00	927.12	53.6
11-48-260	TOOLS & EQUIPMENT-NON CAPITAL	.00	.00	2,500.00	2,500.00	.0
11-48-272	MAINT & SUPPLY - OTHER	8,483.14	8,483.14	10,000.00	1,516.86	84.8
11-48-273	MAINT & SUPPLY - SYSTEM	443.55	443.55	.00	(443.55)	.0
11-48-274	MAINT & SUPPLY EQUIPMENT	.00	.00	2,000.00	2,000.00	.0
11-48-280	UTILITIES	1,773.50	1,773.50	5,000.00	3,226.50	35.5
11-48-285	POWER	1,029.63	1,029.63	4,000.00	2,970.37	25.7
11-48-287	TELEPHONE INET	1,250.54	1,250.54	2,500.00	1,249.46	50.0
11-48-410	SPECIAL PROJECT	122.72	122.72	10,000.00	9,877.28	1.2
	TOTAL PUBLIC WORKS - PARKS	43,306.91	43,306.91	104,863.00	61,556.09	41.3
<u>COMMUNITY OUTREACH DEPARTMENT</u>						
11-49-250	EQUIPMENT SUPPLIES & MAINT	99.99	99.99	1,000.00	900.01	10.0
11-49-274	EQUIPMENT PURCHASE	584.20	584.20	1,000.00	415.80	58.4
11-49-410	SPECIAL PROJECT	7,384.65	7,384.65	.00	(7,384.65)	.0
	TOTAL COMMUNITY OUTREACH DEPARTME	8,068.84	8,068.84	2,000.00	(6,068.84)	403.4

CITY OF HILDALE
 EXPENDITURES WITH COMPARISON TO BUDGET
 FOR THE 6 MONTHS ENDING DECEMBER 31, 2023

Item 6.

GENERAL FUND

	<u>PERIOD ACTUAL</u>	<u>YTD ACTUAL</u>	<u>BUDGET</u>	<u>UNEXPENDED</u>	<u>PCNT</u>
TOTAL FUND EXPENDITURES	880,081.04	880,081.04	2,510,512.00	1,630,430.96	35.1
NET REVENUE OVER EXPENDITURES	(516,670.08)	(516,670.08)	.00	516,670.08	.0

CITY OF HILDALE
 EXPENDITURES WITH COMPARISON TO BUDGET
 FOR THE 6 MONTHS ENDING DECEMBER 31, 2023

Item 6.

GF DEBT SERVICE

	<u>PERIOD ACTUAL</u>	<u>YTD ACTUAL</u>	<u>BUDGET</u>	<u>UNEXPENDED</u>	<u>PCNT</u>
<u>FIRE DEPT DEBT SERVICE</u>					
31-44-723 2018 CIB DETENTION POND	95,000.00	95,000.00	.00	(95,000.00)	.0
31-44-724 2018 CIB DETEN POND INTEREST	12,880.01	12,880.01	.00	(12,880.01)	.0
TOTAL FIRE DEPT DEBT SERVICE	<u>107,880.01</u>	<u>107,880.01</u>	<u>.00</u>	<u>(107,880.01)</u>	<u>.0</u>
TOTAL FUND EXPENDITURES	<u>107,880.01</u>	<u>107,880.01</u>	<u>.00</u>	<u>(107,880.01)</u>	<u>.0</u>
NET REVENUE OVER EXPENDITURES	<u>(107,880.01)</u>	<u>(107,880.01)</u>	<u>.00</u>	<u>107,880.01</u>	<u>.0</u>

CITY OF HILDALE
 REVENUES WITH COMPARISON TO BUDGET
 FOR THE 6 MONTHS ENDING DECEMBER 31, 2023

Item 6.

HILDALE CITY GRANTS

	PERIOD ACTUAL	YTD ACTUAL	BUDGET	UNEXPENDED	PCNT
<u>INTERGOVERNMENTAL REVENUE</u>					
41-33-400 BEMS GRANT REVENUES	39,909.78	39,909.78	.00	(39,909.78)	.0
41-33-438 INNOVATION CENTER GRANT	387,067.97	387,067.97	.00	(387,067.97)	.0
41-33-801 LIQUOR FUND ALLOTMENT	2,135.67	2,135.67	.00	(2,135.67)	.0
TOTAL INTERGOVERNMENTAL REVENUE	429,113.42	429,113.42	.00	(429,113.42)	.0
TOTAL FUND REVENUE	429,113.42	429,113.42	.00	(429,113.42)	.0

CITY OF HILDALE
 EXPENDITURES WITH COMPARISON TO BUDGET
 FOR THE 6 MONTHS ENDING DECEMBER 31, 2023

Item 6.

HILDALE CITY GRANTS

	PERIOD ACTUAL	YTD ACTUAL	BUDGET	UNEXPENDED	PCNT
<u>GF ADMIN GRANTS/LOANS/ALLOT</u>					
41-41-790 INNOVATION CENTER - GRANT EXP	44,442.53	44,442.53	.00	(44,442.53)	.0
TOTAL GF ADMIN GRANTS/LOANS/ALLOT	44,442.53	44,442.53	.00	(44,442.53)	.0
TOTAL FUND EXPENDITURES	44,442.53	44,442.53	.00	(44,442.53)	.0
NET REVENUE OVER EXPENDITURES	384,670.89	384,670.89	.00	(384,670.89)	.0

CITY OF HILDALE
 REVENUES WITH COMPARISON TO BUDGET
 FOR THE 6 MONTHS ENDING DECEMBER 31, 2023

Item 6.

2017 JUDGMENT RESOLUTION FUND

		<u>PERIOD ACTUAL</u>	<u>YTD ACTUAL</u>	<u>BUDGET</u>	<u>UNEXPENDED</u>	<u>PCNT</u>
<u>REVENUES</u>						
63-38-101	TRANSFER FROM GENERAL FUND	.00	.00	24,000.00	24,000.00	.0
63-38-102	TRANSFER FROM WATER FUND	.00	.00	8,000.00	8,000.00	.0
63-38-103	TRANSFER FROM WASTEWATER	.00	.00	8,000.00	8,000.00	.0
63-38-105	TRANSFER FROM GAS FUND	.00	.00	8,000.00	8,000.00	.0
	TOTAL REVENUES	.00	.00	48,000.00	48,000.00	.0
	TOTAL FUND REVENUE	.00	.00	48,000.00	48,000.00	.0

CITY OF HILDALE
 EXPENDITURES WITH COMPARISON TO BUDGET
 FOR THE 6 MONTHS ENDING DECEMBER 31, 2023

Item 6.

2017 JUDGMENT RESOLUTION FUND

	PERIOD ACTUAL	YTD ACTUAL	BUDGET	UNEXPENDED	PCNT
<u>EXPENDITURES</u>					
63-41-310 PROFESSIONAL & TECHNICAL	22,392.63	22,392.63	28,000.00	5,607.37	80.0
63-41-315 LEGAL - GENERAL	.00	.00	20,000.00	20,000.00	.0
TOTAL EXPENDITURES	22,392.63	22,392.63	48,000.00	25,607.37	46.7
TOTAL FUND EXPENDITURES	22,392.63	22,392.63	48,000.00	25,607.37	46.7
NET REVENUE OVER EXPENDITURES	(22,392.63)	(22,392.63)	.00	22,392.63	.0

CITY OF HILDALE
 REVENUES WITH COMPARISON TO BUDGET
 FOR THE 6 MONTHS ENDING DECEMBER 31, 2023

Item 6.

JOINT ADMINISTRATION FUND

	PERIOD ACTUAL	YTD ACTUAL	BUDGET	UNEXPENDED	PCNT
<u>REVENUES</u>					
65-38-102 TRANSFER FROM WATER FUND	.00	.00	717,270.00	717,270.00	.0
65-38-103 TRANSFER FROM WASTEWATER	.00	.00	925,730.00	925,730.00	.0
65-38-105 TRANSFER FROM GAS FUND	.00	.00	21,304.00	21,304.00	.0
65-38-910 LANDFILL REVENUES	10,000.00	10,000.00	20,000.00	10,000.00	50.0
65-38-915 GARKANE SERVICES	.00	.00	12,000.00	12,000.00	.0
TOTAL REVENUES	10,000.00	10,000.00	1,696,304.00	1,686,304.00	.6
TOTAL FUND REVENUE	10,000.00	10,000.00	1,696,304.00	1,686,304.00	.6

CITY OF HILDALE
EXPENDITURES WITH COMPARISON TO BUDGET
FOR THE 6 MONTHS ENDING DECEMBER 31, 2023

Item 6.

JOINT ADMINISTRATION FUND

	PERIOD ACTUAL	YTD ACTUAL	BUDGET	UNEXPENDED	PCNT
<u>EXPENDITURES</u>					
65-41-110 SALARIES-PERMANENT EMPLOYEES	245,048.53	245,048.53	757,994.00	512,945.47	32.3
65-41-113 MANAGER	12,623.10	12,623.10	97,388.00	84,764.90	13.0
65-41-114 TREASURER	23,280.34	23,280.34	55,654.00	32,373.66	41.8
65-41-115 RECORDER	12,379.00	12,379.00	37,330.00	24,951.00	33.2
65-41-120 SALARIES-TEMPORARY EMPLOYEES	17,494.42	17,494.42	103,024.00	85,529.58	17.0
65-41-130 PAYROLL TAXES	21,033.02	21,033.02	81,600.00	60,566.98	25.8
65-41-140 BENEFITS-OTHER	47,057.37	47,057.37	123,900.00	76,842.63	38.0
65-41-144 PRINT AND POSTAGE	5,189.47	5,189.47	20,000.00	14,810.53	26.0
65-41-145 AUDITOR	31,466.75	31,466.75	20,000.00	(11,466.75)	157.3
65-41-150 STIPENDS - UTILITY BOARD	1,100.00	1,100.00	3,000.00	1,900.00	36.7
65-41-160 MERCHANT PROCESSING	.00	.00	1,000.00	1,000.00	.0
65-41-210 BOOKS, SUBSCR, & MEMBERSHIPS	1,896.81	1,896.81	4,200.00	2,303.19	45.2
65-41-230 TRAVEL	1,090.41	1,090.41	3,000.00	1,909.59	36.4
65-41-235 FOOD & REFRESHMENT	1,625.41	1,625.41	3,000.00	1,374.59	54.2
65-41-240 OFFICE EXPENSE & SUPPLIES	557.07	557.07	3,000.00	2,442.93	18.6
65-41-242 SERVICE FEES	3,033.85	3,033.85	1,000.00	(2,033.85)	303.4
65-41-250 EQUIPMENT SUPPLIES & MAINT	29,706.36	29,706.36	13,500.00	(16,206.36)	220.1
65-41-257 FUEL	14,519.70	14,519.70	39,700.00	25,180.30	36.6
65-41-260 TOOLS & EQUIPMENT-NON CAPITAL	7,764.06	7,764.06	10,000.00	2,235.94	77.6
65-41-271 MAINT & SUPPLY - OFFICE	2,746.62	2,746.62	5,000.00	2,253.38	54.9
65-41-280 UTILITIES	3,900.69	3,900.69	23,514.00	19,613.31	16.6
65-41-285 POWER	4,559.47	4,559.47	27,000.00	22,440.53	16.9
65-41-287 TELEPHONE	6,202.07	6,202.07	12,000.00	5,797.93	51.7
65-41-310 PROFESSIONAL & TECHNICAL	33,931.33	33,931.33	40,000.00	6,068.67	84.8
65-41-313 AUDITOR	14,070.00	14,070.00	20,000.00	5,930.00	70.4
65-41-315 LEGAL - GENERAL	.00	.00	4,000.00	4,000.00	.0
65-41-317 INFORMATION TECHNOLOGY - CONS	.00	.00	25,000.00	25,000.00	.0
65-41-318 INFORMATION TECHNOLOGY - SOFTW	30,930.12	30,930.12	27,000.00	(3,930.12)	114.6
65-41-319 INFORMATION TECHNOLOGY - SYSTE	.00	.00	10,000.00	10,000.00	.0
65-41-330 EDUCATION	414.40	414.40	10,000.00	9,585.60	4.1
65-41-510 INSURANCE	101,097.75	101,097.75	85,500.00	(15,597.75)	118.2
65-41-521 CREDIT CARD EXPENSE	7,235.41	7,235.41	.00	(7,235.41)	.0
65-41-580 RENT OR LEASE	4,107.19	4,107.19	10,000.00	5,892.81	41.1
65-41-620 MISC. SERVICES	12,655.76	12,655.76	.00	(12,655.76)	.0
65-41-720 BUILDINGS	450.00	450.00	3,000.00	2,550.00	15.0
65-41-741 EQUIPMENT - OFFICE	485.29	485.29	5,000.00	4,514.71	9.7
65-41-850 DEBT SERVICE - VEHICLE & EQUIP	9,461.89	9,461.89	11,000.00	1,538.11	86.0
TOTAL EXPENDITURES	709,113.66	709,113.66	1,696,304.00	987,190.34	41.8
TOTAL FUND EXPENDITURES	709,113.66	709,113.66	1,696,304.00	987,190.34	41.8
NET REVENUE OVER EXPENDITURES	(699,113.66)	(699,113.66)	.00	699,113.66	.0

CITY OF HILDALE
 REVENUES WITH COMPARISON TO BUDGET
 FOR THE 6 MONTHS ENDING DECEMBER 31, 2023

Item 6.

WATER FUND

	PERIOD ACTUAL	YTD ACTUAL	BUDGET	UNEXPENDED	PCNT
<u>OPERATING REVENUES</u>					
81-37-111	198,193.60	198,193.60	495,930.00	297,736.40	40.0
81-37-121	191,339.35	191,339.35	459,870.00	268,530.65	41.6
81-37-160	.00	.00	5,000.00	5,000.00	.0
81-37-331	19,530.00	19,530.00	40,000.00	20,470.00	48.8
81-37-332	475.60	475.60	89,600.00	89,124.40	.5
81-37-351	.00	.00	20,000.00	20,000.00	.0
81-37-411	24,486.29	24,486.29	22,000.00	(2,486.29)	111.3
81-37-412	21,005.78	21,005.78	60,000.00	38,994.22	35.0
TOTAL OPERATING REVENUES	455,030.62	455,030.62	1,192,400.00	737,369.38	38.2
<u>NON-OPERATING REVENUE</u>					
81-38-102	.00	.00	150,000.00	150,000.00	.0
81-38-361	.00	.00	460,000.00	460,000.00	.0
81-38-999	.00	.00	400,000.00	400,000.00	.0
TOTAL NON-OPERATING REVENUE	.00	.00	1,010,000.00	1,010,000.00	.0
TOTAL FUND REVENUE	455,030.62	455,030.62	2,202,400.00	1,747,369.38	20.7

CITY OF HILDALE
EXPENDITURES WITH COMPARISON TO BUDGET
FOR THE 6 MONTHS ENDING DECEMBER 31, 2023

Item 6.

WATER FUND

	PERIOD ACTUAL	YTD ACTUAL	BUDGET	UNEXPENDED	PCNT
<u>OPERATING EXPENDITURES</u>					
81-41-210 BOOKS, SUBSCR, & MEMBERSHIPS	.00	.00	3,000.00	3,000.00	.0
81-41-230 TRAVEL	.00	.00	5,000.00	5,000.00	.0
81-41-235 FOOD & REFRESHMENT	.00	.00	1,000.00	1,000.00	.0
81-41-250 EQUIPMENT SUPPLIES & MAINT	512.10	512.10	5,000.00	4,487.90	10.2
81-41-257 FUEL	.00	.00	400.00	400.00	.0
81-41-260 TOOLS & EQUIPMENT-NON CAPITAL	127.28	127.28	10,000.00	9,872.72	1.3
81-41-273 MAINT & SUPPLY - SYSTEM	93,282.69	93,282.69	177,700.00	84,417.31	52.5
81-41-285 POWER	69,502.07	69,502.07	20,800.00	(48,702.07)	334.1
81-41-311 ENGINEER	33,655.00	33,655.00	40,100.00	6,445.00	83.9
81-41-314 LABORATORY & TESTING	3,915.47	3,915.47	12,500.00	8,584.53	31.3
81-41-315 LEGAL - GENERAL	.00	.00	1,300.00	1,300.00	.0
81-41-330 EDUCATION	1,780.00	1,780.00	3,500.00	1,720.00	50.9
81-41-340 SYSTEM CONSTRUCTION SERVICES	22,357.01	22,357.01	33,830.00	11,472.99	66.1
81-41-341 CONST-CUSTOMER'S INSTALLATION	3,709.13	3,709.13	5,000.00	1,290.87	74.2
81-41-432 SPECIAL DEPT SUPPLIES	19,675.91	19,675.91	23,000.00	3,324.09	85.6
TOTAL OPERATING EXPENDITURES	248,516.66	248,516.66	342,130.00	93,613.34	72.6
<u>NON-OPERATING EXPENDITURES</u>					
81-42-560 BAD DEBT EXPENSE	.00	.00	7,000.00	7,000.00	.0
81-42-730 IMPROVEMENTS OTHER THAN BLDGS	.00	.00	7,000.00	7,000.00	.0
81-42-742 EQUIPMENT - FIELD	.00	.00	1,000.00	1,000.00	.0
81-42-750 SP PROJECTS CAPITAL	173.09	173.09	460,000.00	459,826.91	.0
81-42-780 RESERVE PURCHASES	113,364.00	113,364.00	150,000.00	36,636.00	75.6
81-42-815 PRINC. & INT W.RIGHTS LOAN	.00	.00	61,300.00	61,300.00	.0
81-42-911 TRANSFERS TO JOINT ADMIN FUND	.00	.00	717,270.00	717,270.00	.0
81-42-912 TRANSFERS TO LITIGATION	.00	.00	12,000.00	12,000.00	.0
81-42-914 TRANSFERS TO 2017 JMT RES FUND	.00	.00	8,000.00	8,000.00	.0
81-42-960 TRANSFERS TO RESERVE FUNDS	.00	.00	36,700.00	36,700.00	.0
81-42-999 CONTINGENCY	.00	.00	400,000.00	400,000.00	.0
TOTAL NON-OPERATING EXPENDITURES	113,537.09	113,537.09	1,860,270.00	1,746,732.91	6.1
TOTAL FUND EXPENDITURES	362,053.75	362,053.75	2,202,400.00	1,840,346.25	16.4
NET REVENUE OVER EXPENDITURES	92,976.87	92,976.87	.00	(92,976.87)	.0

CITY OF HILDALE
REVENUES WITH COMPARISON TO BUDGET
FOR THE 6 MONTHS ENDING DECEMBER 31, 2023

Item 6.

WASTEWATER FUND

		PERIOD ACTUAL	YTD ACTUAL	BUDGET	UNEXPENDED	PCNT
<u>OPERATING REVENUES</u>						
82-37-160	CONSTRUCTION REVENUE	.00	.00	10,000.00	10,000.00	.0
82-37-311	SERVICE CHARGES	349,926.61	349,926.61	804,470.00	454,543.39	43.5
82-37-312	SERVICE CHARGES - CPMCWID	80,334.88	80,334.88	196,000.00	115,665.12	41.0
82-37-331	CONNECTION CHARGES	.00	.00	11,530.00	11,530.00	.0
82-37-332	SERVICING CUSTOMER INSTALL	3,365.00	3,365.00	10,000.00	6,635.00	33.7
82-37-411	INTEREST	35,141.33	35,141.33	30,000.00	(5,141.33)	117.1
82-37-451	IMPACT FEE	21,000.00	21,000.00	600,000.00	579,000.00	3.5
82-37-452	IMPACT FEE - CPMCWID	604,925.00	604,925.00	48,500.00	(556,425.00)	1247.3
	TOTAL OPERATING REVENUES	1,094,692.82	1,094,692.82	1,710,500.00	615,807.18	64.0
<u>NON-OPERATING REVENUES</u>						
82-38-102	TRANSFERS FROM R&R RESERVE	.00	.00	120,000.00	120,000.00	.0
82-38-361	LOAN PROCEEDS	.00	.00	500,000.00	500,000.00	.0
82-38-440	SUNDRY NON-OPERATING REVENUE	.00	.00	1,000.00	1,000.00	.0
82-38-999	CONTINGENCY	.00	.00	400,000.00	400,000.00	.0
	TOTAL NON-OPERATING REVENUES	.00	.00	1,021,000.00	1,021,000.00	.0
	TOTAL FUND REVENUE	1,094,692.82	1,094,692.82	2,731,500.00	1,636,807.18	40.1

CITY OF HILDALE
EXPENDITURES WITH COMPARISON TO BUDGET
FOR THE 6 MONTHS ENDING DECEMBER 31, 2023

Item 6.

WASTEWATER FUND

	PERIOD ACTUAL	YTD ACTUAL	BUDGET	UNEXPENDED	PCNT
<u>OPERATING EXPENDITURES</u>					
82-41-210 BOOKS, SUBSCR, & MEMBERSHIPS	.00	.00	3,000.00	3,000.00	.0
82-41-230 TRAVEL	77.06	77.06	8,400.00	8,322.94	.9
82-41-235 FOOD & REFRESHMENT	.00	.00	600.00	600.00	.0
82-41-250 EQUIPMENT SUPPLIES & MAINT	.00	.00	3,000.00	3,000.00	.0
82-41-257 FUEL	1,860.04	1,860.04	5,400.00	3,539.96	34.5
82-41-260 TOOLS & EQUIPMENT-NON CAPITAL	.00	.00	3,500.00	3,500.00	.0
82-41-273 MAINTENANCE & SUPPLY - SYSTEM	7,325.18	7,325.18	131,000.00	123,674.82	5.6
82-41-274 MAINT & SUPPLY EQUIPMENT	.00	.00	71,670.00	71,670.00	.0
82-41-285 POWER	35,363.31	35,363.31	38,000.00	2,636.69	93.1
82-41-311 ENGINEER	4,539.25	4,539.25	58,000.00	53,460.75	7.8
82-41-314 LABORATORY & TESTING	.00	.00	3,000.00	3,000.00	.0
82-41-315 LEGAL - GENERAL	.00	.00	2,500.00	2,500.00	.0
82-41-330 EDUCATION	550.00	550.00	5,300.00	4,750.00	10.4
82-41-340 SYSTEM CONSTRUCTION SERVICES	185,000.04	185,000.04	540,000.00	354,999.96	34.3
82-41-341 CONST-CUSTOMER'S INSTALLATION	.00	.00	10,000.00	10,000.00	.0
TOTAL OPERATING EXPENDITURES	234,714.88	234,714.88	883,370.00	648,655.12	26.6
<u>NON-OPERATING EXPENSES</u>					
82-42-560 BAD DEBT EXPENSE	.00	.00	10,000.00	10,000.00	.0
82-42-710 LAND	.00	.00	100,000.00	100,000.00	.0
82-42-720 BUILDINGS	.00	.00	30,000.00	30,000.00	.0
82-42-742 EQUIPMENT - FIELD	.00	.00	30,000.00	30,000.00	.0
82-42-750 SP PROJECTS CAPITAL	123,413.66	123,413.66	.00	(123,413.66)	.0
82-42-780 RESERVE PURCHASES	.00	.00	230,000.00	230,000.00	.0
82-42-812 PRINCIPAL ON BONDS - RDA B	.00	.00	35,000.00	35,000.00	.0
82-42-822 INTEREST ON BONDS - RDA - B	20,163.22	20,163.22	40,000.00	19,836.78	50.4
82-42-911 TRANSFERS TO JOINT ADMIN FUND	.00	.00	925,730.00	925,730.00	.0
82-42-912 TRANSFERS TO LITIGATION	.00	.00	12,000.00	12,000.00	.0
82-42-914 TRANSFERS TO 2017 JMT RES FUND	.00	.00	8,000.00	8,000.00	.0
82-42-960 TRANSFERS TO RESERVE FUNDS	.00	.00	134,400.00	134,400.00	.0
82-42-990 APPROPRIATION FOR FUND BALANCE	.00	.00	130,000.00	130,000.00	.0
82-42-999 CONTINGENCY	.00	.00	163,000.00	163,000.00	.0
TOTAL NON-OPERATING EXPENSES	143,576.88	143,576.88	1,848,130.00	1,704,553.12	7.8
TOTAL FUND EXPENDITURES	378,291.76	378,291.76	2,731,500.00	2,353,208.24	13.9
NET REVENUE OVER EXPENDITURES	716,401.06	716,401.06	.00	(716,401.06)	.0

CITY OF HILDALE
 REVENUES WITH COMPARISON TO BUDGET
 FOR THE 6 MONTHS ENDING DECEMBER 31, 2023

Item 6.

GAS FUND

		PERIOD ACTUAL	YTD ACTUAL	BUDGET	UNEXPENDED	PCNT
<u>OPERATING REVENUES</u>						
84-37-111	GAS SALES - METERED NAT GAS	97,517.79	97,517.79	800,000.00	702,482.21	12.2
84-37-112	GAS SALES - METERED PROPANE	79,336.35	79,336.35	796,069.00	716,732.65	10.0
84-37-113	GAS SALES - CYLINDER	1,964.06	1,964.06	8,700.00	6,735.94	22.6
84-37-114	GAS SALES - CYLINDER EXCHANGE	314.56	314.56	3,700.00	3,385.44	8.5
84-37-121	NATURAL GAS SALES - FLAT RATE	15,645.97	15,645.97	38,000.00	22,354.03	41.2
84-37-122	PROPANE GAS - FLAT RATE	20,392.60	20,392.60	64,000.00	43,607.40	31.9
84-37-160	CONSTRUCTION REVENUE	20,560.53	20,560.53	100,000.00	79,439.47	20.6
84-37-331	CONNECTION CHARGES	1,765.00	1,765.00	8,000.00	6,235.00	22.1
84-37-351	SUNDRY OPERATING REVENUE	.00	.00	47,000.00	47,000.00	.0
84-37-411	INTEREST	23,369.54	23,369.54	25,000.00	1,630.46	93.5
84-37-412	PENALTIES	5,930.39	5,930.39	19,000.00	13,069.61	31.2
	TOTAL OPERATING REVENUES	266,796.79	266,796.79	1,909,469.00	1,642,672.21	14.0
<u>NON-OPERATING REVENUES</u>						
84-38-102	TRANSFERS FROM R&R RESERVE	.00	.00	175,030.00	175,030.00	.0
84-38-316	INTRAGOVERNMENTAL GRANTS	.00	.00	250,000.00	250,000.00	.0
84-38-999	CONTINGENCY	.00	.00	400,000.00	400,000.00	.0
	TOTAL NON-OPERATING REVENUES	.00	.00	825,030.00	825,030.00	.0
	TOTAL FUND REVENUE	266,796.79	266,796.79	2,734,499.00	2,467,702.21	9.8

CITY OF HILDALE
EXPENDITURES WITH COMPARISON TO BUDGET
FOR THE 6 MONTHS ENDING DECEMBER 31, 2023

Item 6.

GAS FUND

	PERIOD ACTUAL	YTD ACTUAL	BUDGET	UNEXPENDED	PCNT
<u>OPERATING EXPENDITURES</u>					
84-41-140 BENEFITS-OTHER	.00	.00	3,000.00	3,000.00	.0
84-41-210 BOOKS, SUBSCR, & MEMBERSHIPS	837.24	837.24	2,000.00	1,162.76	41.9
84-41-230 TRAVEL	.00	.00	5,000.00	5,000.00	.0
84-41-235 FOOD & REFRESHMENT	.00	.00	500.00	500.00	.0
84-41-250 EQUIPMENT SUPPLIES & MAINT	39.98	39.98	5,000.00	4,960.02	.8
84-41-257 FUEL	1,023.96	1,023.96	3,500.00	2,476.04	29.3
84-41-260 TOOLS & EQUIPMENT-NON CAPITAL	.00	.00	8,000.00	8,000.00	.0
84-41-273 MAINT & SUPPLY SYSTEM	30,959.49	30,959.49	64,500.00	33,540.51	48.0
84-41-280 UTILITIES	89.32	89.32	.00	(89.32)	.0
84-41-285 POWER	433.44	433.44	2,000.00	1,566.56	21.7
84-41-311 ENGINEER	.00	.00	2,000.00	2,000.00	.0
84-41-315 LEGAL - GENERAL	.00	.00	2,000.00	2,000.00	.0
84-41-330 EDUCATION	3,606.90	3,606.90	6,200.00	2,593.10	58.2
84-41-340 SYSTEM CONSTRUCTION SERVICES	11,425.53	11,425.53	13,600.00	2,174.47	84.0
84-41-341 CONST-CUSTOMER'S INSTALLATION	1,190.01	1,190.01	40,000.00	38,809.99	3.0
84-41-431 NATURAL GAS COMMODITY SUPPLY	61,444.96	61,444.96	561,100.00	499,655.04	11.0
84-41-432 PROPANE GAS COMMODITY SUPPLY	18,057.28	18,057.28	626,500.00	608,442.72	2.9
84-41-434 NAT GAS COMMODITY TRANSPORT	9,924.57	9,924.57	27,700.00	17,775.43	35.8
84-41-510 INSURANCE	15,411.30	15,411.30	.00	(15,411.30)	.0
84-41-580 RENT OR LEASE	500.00	500.00	4,900.00	4,400.00	10.2
84-41-610 MISC. SUPPLIES	.00	.00	5,000.00	5,000.00	.0
TOTAL OPERATING EXPENDITURES	154,943.98	154,943.98	1,382,500.00	1,227,556.02	11.2
<u>NON-OPERATING EXPENDITURES</u>					
84-42-560 BAD DEBT EXPENSE	.00	.00	6,000.00	6,000.00	.0
84-42-710 LAND	.00	.00	5,000.00	5,000.00	.0
84-42-750 SP PROJECTS CAPITAL	.00	.00	278,700.00	278,700.00	.0
84-42-780 RESERVE PURCHASES	.00	.00	122,000.00	122,000.00	.0
84-42-911 TRANSFERS TO JOINT ADMIN FUND	.00	.00	470,730.00	470,730.00	.0
84-42-912 TRANSFERS TO LITIGATION	.00	.00	12,000.00	12,000.00	.0
84-42-914 TRANSFERS TO 2017 JMT RES FUND	.00	.00	8,000.00	8,000.00	.0
84-42-960 TRANSFERS TO RESERVE FUNDS	.00	.00	105,400.00	105,400.00	.0
84-42-999 CONTINGENCY	.00	.00	344,169.00	344,169.00	.0
TOTAL NON-OPERATING EXPENDITURES	.00	.00	1,351,999.00	1,351,999.00	.0
TOTAL FUND EXPENDITURES	154,943.98	154,943.98	2,734,499.00	2,579,555.02	5.7
NET REVENUE OVER EXPENDITURES	111,852.81	111,852.81	.00	(111,852.81)	.0

CITY OF HILDALE
 REVENUES WITH COMPARISON TO BUDGET
 FOR THE 6 MONTHS ENDING DECEMBER 31, 2023

Item 6.

90 FUND HILDALE CITY FIBER DEP

		PERIOD ACTUAL	YTD ACTUAL	BUDGET	UNEXPENDED	PCNT
<u>OPERATING REVENUES</u>						
90-37-111	FIBER SALES	2,313.45	2,313.45	.00	(2,313.45)	.0
90-37-412	PENALTIES	19.40	19.40	.00	(19.40)	.0
	TOTAL OPERATING REVENUES	2,332.85	2,332.85	.00	(2,332.85)	.0
<u>NON-OPERATING REVENUES</u>						
90-38-999	CONTINGENCY	.00	.00	125,113.00	125,113.00	.0
	TOTAL NON-OPERATING REVENUES	.00	.00	125,113.00	125,113.00	.0
	TOTAL FUND REVENUE	2,332.85	2,332.85	125,113.00	122,780.15	1.9

CITY OF HILDALE
 EXPENDITURES WITH COMPARISON TO BUDGET
 FOR THE 6 MONTHS ENDING DECEMBER 31, 2023

Item 6.

90 FUND HILDALE CITY FIBER DEP

	PERIOD ACTUAL	YTD ACTUAL	BUDGET	UNEXPENDED	PCNT
<u>OPERATING EXPENDITURES</u>					
90-41-580 RENT OR LEASE	600.00	600.00	.00	(600.00)	.0
TOTAL OPERATING EXPENDITURES	600.00	600.00	.00	(600.00)	.0
<u>NON-OPERATING EXPENDITURES</u>					
90-42-999 CONTINGENCY	.00	.00	125,113.00	125,113.00	.0
TOTAL NON-OPERATING EXPENDITURES	.00	.00	125,113.00	125,113.00	.0
TOTAL FUND EXPENDITURES	600.00	600.00	125,113.00	124,513.00	.5
NET REVENUE OVER EXPENDITURES	1,732.85	1,732.85	.00	(1,732.85)	.0

Invoice	Seq	Type	Description	Invoice Date	Due Date	Total Cost	GL Activity	Period	GL Account
1021 ULINE									
171903873	1	Invoice	First aid Kits and tarps	12/08/2023	01/07/2024	545.50	0	12/23	84-41-273
Total 1021 ULINE:						545.50			
1430 CASELLE, INC.									
128964	1	Invoice	CONTRACT FOR JANUARY 24 - 90% UTILITIES - SPLIT DISTRIBUTION	12/01/2023	12/31/2023	1,167.30	0	12/23	65-41-318
128964	2	Invoice	CONTRACT FOR JANUARY 24 - 10% ADMIN - SPLIT DISTRIBUTION	12/01/2023	12/31/2023	129.70	0	12/23	11-41-318
Total 1430 CASELLE, INC.:						1,297.00			
1481 CHEMTECH-FORD LABORATORIES, INC.									
23L0468	1	Invoice	Water quality testing	12/11/2023	01/10/2024	51.00	0	12/23	81-41-314
23L1405	1	Invoice	Water Tests	12/22/2023	01/21/2024	51.00	0	12/23	81-41-314
Total 1481 CHEMTECH-FORD LABORATORIES, INC.:						102.00			
1521 CLUFF DRILLING & PUMP									
1353(2)	1	Invoice	well 17 replacement	11/22/2023	12/22/2023	113,364.00	0	12/23	81-42-780
Total 1521 CLUFF DRILLING & PUMP:						113,364.00			
1580 COLORADO CITY FIRE DEPARTMENT									
CCFD930-20	1	Invoice	EMS STANDBY AT MEDIEVAL DAY RENAISSANCE FAIRE 09/30/2023	09/30/2023	10/15/2023	2,834.88	0	12/23	11-38-248
Total 1580 COLORADO CITY FIRE DEPARTMENT:						2,834.88			
2160 HILDALE CITY									
NAT 1023	1	Invoice	NATURAL GAS ENERGY AND USE TAX OCTOBER 2023	10/31/2023	11/15/2023	996.39	0	12/23	84-21376
NAT 1123	1	Invoice	NATURAL GAS ENERGY AND USE TAX	12/08/2023	12/23/2023	2,075.80	0	12/23	84-21376
Total 2160 HILDALE CITY:						3,072.19			
2170 HILDALE CITY UTILITIES									
3180001-112	1	Invoice	Lab Shop Utilities	12/08/2023	12/23/2023	1,577.92	0	12/23	65-41-280
6077001-112	1	Invoice	CITY HALL UTILITIES - 33% Admin - Split Distribution	12/08/2023	12/23/2023	116.32	0	12/23	11-41-280
6077001-112	2	Invoice	CITY HALL UTILITIES - 67% Utilities - Split Distribution	12/08/2023	12/23/2023	236.18	0	12/23	65-41-280
6217001-112	1	Invoice	MAXWELL PARK UTILITIES	12/08/2023	12/23/2023	316.60	0	12/23	11-48-280
6231904-112	1	Invoice	MULBERRY ST BUILDING UTILITIES	12/08/2023	12/23/2023	338.48	0	12/23	41-41-790
6428701-112	1	Invoice	Propane Yard Lease	12/08/2023	12/23/2023	100.00	0	12/23	84-41-580
7011201-112	1	Invoice	Propane VAPORIZER GAS SERVICE	12/08/2023	12/23/2023	24.60	0	12/23	84-41-280
Total 2170 HILDALE CITY UTILITIES:						2,710.10			
2220 HOME DEPOT									
1522237	1	Invoice	BATHROOM VANITY FOR SEWER HEADWORKS BUILDING SPLIT	11/30/2023	12/30/2023	403.88	0	12/23	82-41-340
1522237	2	Invoice	BATHROOM VANITY FOR SEWER HEADWORKS BUILDING SPLIT	11/30/2023	12/30/2023	173.09	0	12/23	81-42-750
3514568	1	Invoice	GARDEN HOSE FOR WATER DEPT.	10/26/2023	11/25/2023	170.76	0	12/23	81-41-273

Invoice	Seq	Type	Description	Invoice Date	Due Date	Total Cost	GL Activity	Period	GL Account
3624290	1	Invoice	PRESSURE WASHER & BATTERIES FOR TRANSFER PUMP FOR WATER DEPT.	10/26/2023	11/25/2023	1,288.47	0	12/23	81-41-273
6024245	1	Invoice	WATER SYSTEM MAINTENANCE	11/22/2023	12/22/2023	608.94	0	12/23	81-41-273
620455	1	Invoice	PARK MAINTENANCE	12/08/2023	01/07/2024	141.69	0	12/23	11-48-272
Total 2220 HOME DEPOT:						2,786.83			
2470 JONES PAINT & GLASS									
SGCMI00067	1	Invoice	DOOR PARTS - SEWER HEADWORKS BUILDING	10/16/2023	11/15/2023	99.00	0	12/23	82-41-340
SGGI101177	1	Invoice	garage door for sewer headworks building	09/22/2023	10/22/2023	1,579.81	0	12/23	81-41-340
Total 2470 JONES PAINT & GLASS:						1,678.81			
2671 LES OLSON COMPANY									
EA1351890	1	Invoice	MAINTENANCE CONTRACT - 75% UTILITIES	12/12/2023	01/11/2024	109.75	0	12/23	65-41-144
EA1351890	2	Invoice	MAINTENANCE CONTRACT - 25% ADMIN	12/12/2023	01/11/2024	36.59	0	12/23	11-41-241
Total 2671 LES OLSON COMPANY:						146.34			
3450 SCHOLZEN PRODUCTS COMPANY, INC.									
6786879-00	1	Invoice	WATER TREATMENT PLANT GASKETS	11/15/2023	12/15/2023	80.50	0	12/23	81-41-273
6790091-00	1	Invoice	Hydrant collision repair kit and parts	11/30/2023	12/30/2023	655.06	0	12/23	81-41-273
6790448-00	1	Invoice	FIRE HYDRANT REPAIR	12/04/2023	01/03/2024	540.52	0	12/23	81-41-273
1027899-00	1	Invoice	Chlorine Cylinders	12/13/2023	01/12/2024	2,233.00	0	12/23	81-41-273
3045197-00	1	Invoice	CYLINDER MONTHLY RENTAL	12/18/2023	01/17/2024	124.80	0	12/23	81-41-273
Total 3450 SCHOLZEN PRODUCTS COMPANY, INC.:						3,633.88			
3560 SOUTH CENTRAL COMMUNICATIONS									
16343900 11	1	Invoice	MAXWELL INTERNET	11/01/2023	11/16/2023	208.16	0	12/23	11-48-287
8297800 112	1	Invoice	CITY HALL PHONES & FAX LINES - 33% ADMIN - Split Distribution	11/01/2023	11/16/2023	325.20	0	12/23	11-41-287
8297800 112	2	Invoice	CITY HALL PHONES & FAX LINES - 67% UTILITIES - Split Distribution	11/01/2023	11/16/2023	660.25	0	12/23	65-41-287
Total 3560 SOUTH CENTRAL COMMUNICATIONS:						1,193.61			
3692 STEPHEN WADE AUTO CENTER									
5566745	1	Invoice	DOOR LATCH FOR UTILITY TRUCK 3141	11/30/2023	12/30/2023	180.58	0	12/23	65-41-250
Total 3692 STEPHEN WADE AUTO CENTER:						180.58			
3930 TOWN OF COLORADO CITY									
10533	1	Invoice	DOJ COURT COST SHARING - KEITH	12/01/2023	12/16/2023	2,082.30	0	12/23	63-41-310
10552	1	Invoice	LIABILITY & AUTO INSURANCE	12/01/2023	12/16/2023	2,297.65	0	12/23	84-41-510
10552	2	Invoice	RISK MANAGEMENT FUND	12/01/2023	12/16/2023	598.35	0	12/23	65-41-510
10552	3	Invoice	TUITION REIMBURSEMENT FUND	12/01/2023	12/16/2023	239.34	0	12/23	65-41-140
10552	4	Invoice	PROPANE LIABILITY	12/01/2023	12/16/2023	270.90	0	12/23	84-41-510
10556	1	Invoice	GAS - PUBLIC WORKS - ADMIN	12/06/2023	12/21/2023	241.25	0	12/23	11-41-257
10556	2	Invoice	GAS - PUBLIC WORKS -						

Invoice	Seq	Type	Description	Invoice Date	Due Date	Total Cost	GL Activity	Period	GL Account
			PARKS	12/06/2023	12/21/2023	105.82	0	12/23	11-48-257
10556	3	Invoice	DIESEL - PROPANE TRUCK	12/06/2023	12/21/2023	189.73	0	12/23	84-41-257
10556	4	Invoice	DIESEL - VAC TRUCK	12/06/2023	12/21/2023	594.41	0	12/23	82-41-257
10556	5	Invoice	FUEL - PUBLIC WORKS - UTILITIES	12/06/2023	12/21/2023	2,811.12	0	12/23	65-41-257
10556	6	Invoice	DIESEL - PUBLIC WORKS - HILDALE ROADS	12/06/2023	12/21/2023	249.55	0	12/23	11-47-257
10556	7	Invoice	ADMIN FEE - UTILITIES	12/06/2023	12/21/2023	85.35	0	12/23	65-41-257
10556	8	Invoice	ADMIN FEE FOR HILDALE ADMIN, ROADS AND PARKS	12/06/2023	12/21/2023	14.65	0	12/23	11-41-257
10558	1	Invoice	VERIZON	12/06/2023	12/21/2023	200.29	0	12/23	11-41-287
10561	1	Invoice	DOJ COST SHARING - CARTER	12/14/2023	12/29/2023	179.67	0	12/23	63-41-310
PROST 1123	1	Invoice	AZ SALES TAX PROPANE	11/30/2023	12/15/2023	2,569.84	0	12/23	84-21371
WAT 1123	1	Invoice	AZ SALES TAX WATER	11/30/2023	12/15/2023	1,009.62	0	12/23	81-21371
10566	1	Invoice	VERIZON - REFUND FOR MAYOR'S & VINCENT'S LINE	12/19/2023	01/03/2024	367.22-	0	12/23	11-41-287
10565	1	Invoice	JUF PAYROLL 12.08.23	12/18/2023	01/02/2024	20,864.24	0	12/23	65-41-110
10565	2	Invoice	GF PAYROLL 12.08.23	12/18/2023	01/02/2024	3,676.75	0	12/23	11-41-110
10565	3	Invoice	BLDG PAYROLL 12.08.23	12/18/2023	01/02/2024	823.80	0	12/23	11-45-110
10565	4	Invoice	PUBLIC WRKS PAYROLL 12.08.23	12/18/2023	01/02/2024	4,630.78	0	12/23	11-47-110
10565	5	Invoice	COURT PAYROLL 12.08.23	12/18/2023	01/02/2024	1,489.31	0	12/23	11-42-110
10565	6	Invoice	GF CITY MANAGER 12.08.23	12/18/2023	01/02/2024	2,945.38	0	12/23	11-41-113
10565	7	Invoice	GF CITY RECORDER 12.08.23	12/18/2023	01/02/2024	1,255.00	0	12/23	11-41-115
10565	8	Invoice	GF CITY TREASURER	12/18/2023	01/02/2024	106.24	0	12/23	11-41-114
10565	9	Invoice	JUF CITY MANAGER 12.08.23	12/18/2023	01/02/2024	1,262.31	0	12/23	65-41-113
10565	10	Invoice	JUF CITY RECORDER 12.08.23	12/18/2023	01/02/2024	1,255.00	0	12/23	65-41-115
10565	11	Invoice	JUF CITY TREASURER 12.08.23	12/18/2023	01/02/2024	1,912.23	0	12/23	65-41-114
10565	12	Invoice	JUF TEMP EMPLOYEE 12.08.23	12/18/2023	01/02/2024	1,599.21	0	12/23	65-41-120
10565	13	Invoice	JUF PAYROLL TAXES	12/18/2023	01/02/2024	1,794.04	0	12/23	65-41-130
10565	14	Invoice	JUF BENEFITS	12/18/2023	01/02/2024	1,398.62	0	12/23	65-41-140
10565	15	Invoice	GF PAYROLL TAXES	12/18/2023	01/02/2024	804.42	0	12/23	11-41-130
10565	16	Invoice	GF BENEFITS	12/18/2023	01/02/2024	788.04	0	12/23	11-41-140
10565	17	Invoice	PUBLIC WRKS PAYROLL TAXES	12/18/2023	01/02/2024	345.81	0	12/23	11-47-130
10565	18	Invoice	COURT PAYROLL TAXES AND BENEFITS	12/18/2023	01/02/2024	206.00	0	12/23	11-42-130
10565	19	Invoice	ADMIN FEE FOR HILDALE ADMIN AND PARKS	12/18/2023	01/02/2024	235.78	0	12/23	11-41-242
10565	20	Invoice	ADMIN FEES FOR UTILITIES	12/18/2023	01/02/2024	235.78	0	12/23	65-41-242
10572	1	Invoice	JUF PAYROLL 12.22.23	12/28/2023	01/12/2024	27,246.50	0	12/23	65-41-110
10572	2	Invoice	GF PAYROLL 12.22.23	12/28/2023	01/12/2024	3,666.87	0	12/23	11-41-110
10572	3	Invoice	BLDG PAYROLL 12.22.23	12/28/2023	01/12/2024	768.46	0	12/23	11-45-110
10572	4	Invoice	PUBLIC WORKS PAYROLL 12.22.23	12/28/2023	01/12/2024	4,274.26	0	12/23	11-47-110
10572	5	Invoice	COURT PAYROLL 12.22.23	12/28/2023	01/12/2024	1,579.19	0	12/23	11-42-110
10572	6	Invoice	GF CITY MANAGER 12.22.23	12/28/2023	01/12/2024	2,945.38	0	12/23	11-41-113
10572	7	Invoice	GF CITY RECORDER 12.22.23	12/28/2023	01/12/2024	1,255.00	0	12/23	11-41-115
10572	8	Invoice	GF CITY TREASURER	12/28/2023	01/12/2024	106.24	0	12/23	11-41-114
10572	9	Invoice	JUF CITY MANAGER	12/28/2023	01/12/2024	1,262.31	0	12/23	65-41-113
10572	10	Invoice	JUF CITY RECORDER	12/28/2023	01/12/2024	1,255.00	0	12/23	65-41-115
10572	11	Invoice	JUF CITY TREASURER	12/28/2023	01/12/2024	1,912.23	0	12/23	65-41-114
10572	12	Invoice	JUF TEMP EMPLOYEE	12/28/2023	01/12/2024	1,549.50	0	12/23	65-41-120
10572	13	Invoice	JUF PAYROLL TAXES	12/28/2023	01/12/2024	2,281.56	0	12/23	65-41-130
10572	14	Invoice	JUF BENEFITS	12/28/2023	01/12/2024	6,878.71	0	12/23	65-41-140
10572	15	Invoice	GF PAYROLL TAXES	12/28/2023	01/12/2024	825.70	0	12/23	11-41-130
10572	16	Invoice	GF BENEFITS	12/28/2023	01/12/2024	3,194.14	0	12/23	11-41-140
10572	17	Invoice	PUBLIC WRKS PAYROLL TAXES	12/28/2023	01/12/2024	318.41	0	12/23	11-47-130

Invoice	Seq	Type	Description	Invoice Date	Due Date	Total Cost	GL Activity	Period	GL Account
10572	18	Invoice	COURT PAYROLL TAXES AND BENEFITS	12/28/2023	01/12/2024	773.23	0	12/23	11-42-130
10572	19	Invoice	ADMIN FEES FOR UTILITIES	12/28/2023	01/12/2024	310.47	0	12/23	65-41-242
10572	20	Invoice	ADMIN FEE FOR HILDALE ADMIN AND PARKS	12/28/2023	01/12/2024	310.47	0	12/23	11-41-242
Total 3930 TOWN OF COLORADO CITY:						123,714.99			
4020 USPS									
115	1	Invoice	POSTAGE	12/01/2023	12/16/2023	700.00	0	12/23	11-41-244
Total 4020 USPS:						700.00			
4055 UNIFIRST CORPORATION									
2310014145	1	Invoice	LAUNDRY	12/04/2023	01/03/2024	171.82	0	12/23	65-41-260
2310014669	1	Invoice	LAUNDRY	12/11/2023	01/10/2024	171.82	0	12/23	65-41-260
2310015177	1	Invoice	LAUNDRY	12/18/2023	01/17/2024	171.82	0	12/23	65-41-260
2310015673	1	Invoice	LAUNDRY	12/25/2023	01/24/2024	171.82	0	12/23	65-41-260
Total 4055 UNIFIRST CORPORATION:						687.28			
4202 ROCKY MOUNTAIN POWER									
68511976-00	1	Invoice	MONTHLY POWER	11/22/2023	12/22/2023	11.07	0	12/23	84-41-285
68511976-00	1	Invoice	MONTHLY POWER	12/26/2023	01/25/2024	11.04	0	12/23	84-41-285
Total 4202 ROCKY MOUNTAIN POWER:						22.11			
4220 UTAH STATE TREASURER									
TC-55 1123	1	Invoice	SURCHARGES	12/05/2023	01/04/2024	1,367.48	0	12/23	11-42-550
Total 4220 UTAH STATE TREASURER:						1,367.48			
4221 UTAH STATE TAX COMMISSION									
STC 1023	1	Invoice	SALES AND USE TAX OCTOBER 2023	10/31/2023	11/30/2023	664.42	0	12/23	84-21375
STC 1123	1	Invoice	SALES AND USE TAX NOVEMBER 2023	11/30/2023	12/30/2023	1,373.32	0	12/23	84-21375
Total 4221 UTAH STATE TAX COMMISSION:						2,037.74			
4441 WHEELER MACHINERY CO.									
PS00157830	1	Invoice	Tracks for the Cat Skid steer	09/22/2023	10/22/2023	5,297.90	0	12/23	65-41-250
Total 4441 WHEELER MACHINERY CO.:						5,297.90			
4561 UTAH STATE DIVISION OF FINANCE									
LOAN B1813	1	Invoice	Loan No. B1813-Principle	09/30/2023	10/30/2023	19,000.00	0	12/23	31-44-723
LOAN B1813	2	Invoice	LOAN NO. B1813 - INTEREST	09/30/2023	10/30/2023	9,400.00	0	12/23	31-44-724
Total 4561 UTAH STATE DIVISION OF FINANCE:						28,400.00			
4605 SUMMIT ENERGY, LLC									
1123HILD	1	Invoice	Natural Gas Commodity	12/03/2023	01/02/2024	37,093.12	0	12/23	84-41-431
Total 4605 SUMMIT ENERGY, LLC:						37,093.12			
4613 NEWBY BUICK									
5039435 1 W	1	Invoice	SHIFTER FOR TRUCK	11/28/2023	12/30/2023	104.37	0	12/23	65-41-250

Invoice	Seq	Type	Description	Invoice Date	Due Date	Total Cost	GL Activity	Period	GL Account
Total 4613 NEWBY BUICK:						104.37			
4620 VERIZON WIRELESS									
9949321909-	1	Invoice	WIRELESS SERVICE - ADMIN 57% OCTOBER 15 - NOVEMBER 14	12/04/2023	01/03/2024	438.16	0	12/23	11-41-287
9949321909-	2	Invoice	WIRELESS SERVICE - UTILITIES 43% OCTOBER 15 - NOVEMBER 14	12/04/2023	01/03/2024	330.54	0	12/23	65-41-287
9949321909	1	Invoice	WIRELESS SERVICE - ADMIN 57% OCTOBER 15 - NOVEMBER 14	12/06/2023	01/05/2024	438.16	0	12/23	11-41-287
9949321909	2	Invoice	WIRELESS SERVICE - UTILITIES 43% OCTOBER 15 - NOVEMBER 14	12/06/2023	01/05/2024	330.54	0	12/23	65-41-287
Total 4620 VERIZON WIRELESS:						1,537.40			
4646 THATCHER COMPANY, INC.									
20231001134	1	Invoice	CHLOTINE FOR TANK DISINFECTION	05/31/2023	12/30/2023	159.00	0	12/23	81-41-273
Total 4646 THATCHER COMPANY, INC.:						159.00			
4652 TRI-PACIFIC SUPPLY, INC									
0171834-IN	1	Invoice	Maintenance Kits for Natural Gas Yard	11/22/2023	12/22/2023	1,268.37	0	12/23	84-41-273
Total 4652 TRI-PACIFIC SUPPLY, INC:						1,268.37			
4694 PREFERRED PARTS									
15048-14818	1	Invoice	SERVICE FOR TOYOTA SIENNA 2022	11/16/2023	12/30/2023	32.99	0	12/23	65-41-250
15048-14797	1	Invoice	HEADLIGHT TRUCK 3151	11/13/2023	12/30/2023	15.63	0	12/23	65-41-250
15048-14860	1	Invoice	SERVICE FOR PROPANE TRUCK	11/21/2023	12/30/2023	249.66	0	12/23	65-41-250
15048-14923	1	Invoice	SCISSOR LIFT BATTERIES	12/01/2023	12/30/2023	624.04	0	12/23	65-41-250
15048-14994	1	Invoice	Carb Cleaner and Starting fluid	12/11/2023	12/30/2023	139.56	0	12/23	84-41-273
15048-15014	1	Invoice	55 gallon 15/40 oil	12/14/2023	12/30/2023	835.10	0	12/23	65-41-250
15048-15014	2	Invoice	55 gallon 15/40 oil - RETURNED	12/14/2023	12/30/2023	835.10-	0	12/23	65-41-250
15048-15014	3	Invoice	RETURNED ITEMS FROM INV 15048-138725	12/14/2023	12/30/2023	29.27-	0	12/23	11-48-272
15048-15015	1	Invoice	55 gallon 15/40 oil	12/14/2023	12/30/2023	785.98	0	12/23	65-41-250
15048-15028	1	Invoice	Filters & Oil for Propane Truck	12/15/2023	12/30/2023	295.31	0	12/23	65-41-250
Total 4694 PREFERRED PARTS:						2,113.90			
4750 DJB GAS SERVICES, INC.									
01472889	1	Invoice	TORCH TANK RENTAL	11/30/2023	12/30/2023	29.14	0	12/23	65-41-260
Total 4750 DJB GAS SERVICES, INC.:						29.14			
5057 GARKANE ENERGY									
1684200 122	1	Invoice	MAXWELL PARK POWER	12/14/2023	12/30/2023	427.74	0	12/23	11-48-285
1709902 122	1	Invoice	POWER PLANT WELL	12/14/2023	12/30/2023	41.77	0	12/23	81-41-285
1711203 122	1	Invoice	INNOVATION CENTER POWER	12/14/2023	12/30/2023	122.70	0	12/23	41-41-790
1717500 122	1	Invoice	Centennial Park Lift Station	12/21/2023	12/30/2023	967.74	0	12/23	82-41-285
1734500 122	1	Invoice	East Water Tanks	12/21/2023	12/30/2023	62.52	0	12/23	81-41-285
1763000 122	1	Invoice	Sprinkler Pump Station	12/14/2023	12/30/2023	909.82	0	12/23	82-41-285
1763900 122	1	Invoice	Sewer headworks power	12/14/2023	12/30/2023	4,127.20	0	12/23	82-41-285
1768100 122	1	Invoice	Well #8 POWER	12/21/2023	12/30/2023	93.36	0	12/23	81-41-285

Invoice	Seq	Type	Description	Invoice Date	Due Date	Total Cost	GL Activity	Period	GL Account
1772300	122	1 Invoice	Well #10 POWER	12/21/2023	12/30/2023	54.68	0	12/23	81-41-285
1772400	122	1 Invoice	Well #4 POWER	12/21/2023	12/30/2023	258.54	0	12/23	81-41-285
1772500	122	1 Invoice	CITY HALL POWER 67% ADMIN	12/14/2023	12/30/2023	256.07	0	12/23	65-41-285
1772500	122	2 Invoice	CITY HALL POWER 33% SPLIT	12/14/2023	12/30/2023	126.12	0	12/23	11-41-285
1775500	122	1 Invoice	WATER PLANT POWER	12/21/2023	12/30/2023	2,040.89	0	12/23	81-41-285
1780600	122	1 Invoice	Well #19 POWER	12/21/2023	12/30/2023	36.94	0	12/23	81-41-285
1781000	122	1 Invoice	Well #17 POWER	12/21/2023	12/30/2023	33.18	0	12/23	81-41-285
1782300	122	1 Invoice	LAB SHOP POWER	12/14/2023	12/30/2023	656.21	0	12/23	65-41-285
1782501	122	1 Invoice	Well #22	12/14/2023	12/30/2023	852.83	0	12/23	81-41-285
1787300	122	1 Invoice	PROPANE YARD	12/14/2023	12/30/2023	77.52	0	12/23	84-41-285
1790000	122	1 Invoice	STREET LIGHTS	12/14/2023	12/30/2023	488.32	0	12/23	11-47-286
1793900	122	1 Invoice	MILLION GALLON TANK	12/14/2023	12/30/2023	40.58	0	12/23	81-41-285
1945500	122	1 Invoice	ACADEMY AVE WELL	12/21/2023	12/30/2023	535.01	0	12/23	81-41-285
2026700	122	1 Invoice	Well #21 POWER	12/21/2023	12/30/2023	2,767.13	0	12/23	81-41-285
Total 5057 GARKANE ENERGY:						14,976.87			
5201 HYDRO SPECIALTIES CO.									
27627	1	Invoice	READER REPAIRS AND RENTAL CHARGE	11/27/2023	12/31/2023	769.00	0	12/23	81-41-340
27648	1	Invoice	3/4" Water Meters	11/30/2023	12/31/2023	2,122.24	0	12/23	81-41-340
Total 5201 HYDRO SPECIALTIES CO.:						2,891.24			
5288 TOWN OF COLORADO CITY DISPATCH									
10550	1	Invoice	TOCC DISPATCH IGA	12/01/2023	12/30/2023	9,514.00	0	12/23	11-46-980
Total 5288 TOWN OF COLORADO CITY DISPATCH:						9,514.00			
5290 TOWN OF COLORADO CITY POLICE									
RENAISSAN	1	Invoice	POLICE STANDBY - RENAISSANCE FAIRE	11/16/2023	12/30/2023	1,120.00	0	12/23	11-38-248
Total 5290 TOWN OF COLORADO CITY POLICE:						1,120.00			
5471 PINNACLE GAS PRODUCTS									
161501	1	Invoice	gas meter plugs	11/28/2023	12/30/2023	257.40	0	12/23	84-41-273
161501	2	Invoice		11/28/2023	12/30/2023	30.77	0	12/23	84-41-273
162221	1	Invoice	parts for customer istalation	12/14/2023	12/30/2023	609.80	0	12/23	84-41-341
162460	1	Invoice	parts for customer istalation	12/21/2023	12/30/2023	83.88	0	12/23	84-41-341
Total 5471 PINNACLE GAS PRODUCTS:						981.85			
5518 CUSTOMER DEPOSIT									
6830006	112	1 Invoice	6830006 CUSTOMER DEPOSIT REFUND	11/28/2023	12/30/2023	401.33	0	12/23	81-21350
3026011	120	1 Invoice	3026011 CUSTOMER DEPOSIT REFUND	12/05/2023	12/30/2023	719.21	0	12/23	81-21350
3210200	120	1 Invoice	3210200 CUSTOMER DEPOSIT REFUND	12/05/2023	12/30/2023	143.93	0	12/23	81-21350
3395005	112	1 Invoice	3395005 CUSTOMER DEPOSIT REFUND	11/28/2023	12/30/2023	89.40	0	12/23	81-21350
3432007	112	1 Invoice	3432007 CUSTOMER DEPOSIT REFUND	11/28/2023	12/30/2023	191.80	0	12/23	81-21350
3484705	112	1 Invoice	3484705 CUSTOMER DEPOSIT REFUND	11/28/2023	12/30/2023	93.80	0	12/23	81-21350
6017003	112	1 Invoice	6017003 CUSTOMER DEPOSIT REFUND	11/27/2023	12/30/2023	102.11	0	12/23	81-21350
6796002	112	1 Invoice	6796002 CUSTOMER DEPOSIT REFUND	11/27/2023	12/30/2023	148.80	0	12/23	81-21350
6449815	121	1 Invoice	6449815 CUSTOMER DEPOSIT REFUND	12/18/2023	12/30/2023	409.39	0	12/23	81-21350

Invoice	Seq	Type	Description	Invoice Date	Due Date	Total Cost	GL Activity	Period	GL Account
3012101 121	1	Invoice	3012101 CUSTOMER DEPOSIT REFUND	12/19/2023	12/30/2023	11.63	0	12/23	81-21350
3271127 121	1	Invoice	3271127 CUSTOMER DEPOSIT REFUND	12/18/2023	12/30/2023	55.15	0	12/23	81-21350
6326500 122	1	Invoice	6326500 CUSTOMER DEPOSIT REFUND	12/20/2023	12/30/2023	45.56	0	12/23	81-21350
6459909 121	1	Invoice	6459909 CUSTOMER DEPOSIT REFUND	12/18/2023	12/30/2023	700.00	0	12/23	81-21350
Total 5518 CUSTOMER DEPOSIT:						3,112.11			
5530 INKBOX Z									
131	1	Invoice	2023 CALENDAR ADS HILDALE CITY	12/12/2023	12/30/2023	300.00	0	12/23	11-41-210
131	2	Invoice	2023 CALENDAR ADS UTILITIES	12/12/2023	12/30/2023	300.00	0	12/23	65-41-210
Total 5530 INKBOX Z:						600.00			
5553 EXECUTECH UTAH, INC.									
30746	1	Invoice	OFFICE 365 G3 GCC (GOVERNMENT) 70% SPLIT	11/30/2023	12/30/2023	661.35	0	12/23	65-41-318
30746	2	Invoice	OFFICE 365 G3 GCC (GOVERNMENT) 30% SPLIT	11/30/2023	12/30/2023	283.44	0	12/23	11-41-316
30785	1	Invoice	IT MANAGEMENT SERVICES 70% SPLIT	12/01/2023	12/30/2023	2,625.00	0	12/23	65-41-318
30785	2	Invoice	IT MANGEMENT SERVICES ADMIN 30% SPLIT	12/01/2023	12/30/2023	1,125.00	0	12/23	11-41-316
Total 5553 EXECUTECH UTAH, INC.:						4,694.79			
5605 NGL SUPPLY CO. LTD									
NGL507701	1	Invoice	Propane tanker loads 2	12/19/2023	12/30/2023	14,257.44	0	12/23	81-41-432
Total 5605 NGL SUPPLY CO. LTD:						14,257.44			
5607 DOMINION ENERGY									
5948550000	1	Invoice	NATURAL GAS TRANSPORT	12/05/2023	12/31/2023	4,585.48	0	12/23	84-41-434
Total 5607 DOMINION ENERGY:						4,585.48			
5640 ANGELA CAWLEY									
12182023	1	Invoice	Refreshments for Staff Appreciation	12/18/2023	12/30/2023	123.00	0	12/23	11-41-235
Total 5640 ANGELA CAWLEY:						123.00			
5646 XPRESS BILL PAY									
INV-XPR006	1	Invoice	Bill Pay Transactions and Account Maintenance	11/30/2023	12/30/2023	693.72	0	12/23	65-41-318
Total 5646 XPRESS BILL PAY:						693.72			
5681 Remedy Excavating									
3575	1	Invoice	STREET REPAIR FOR NATURAL GAS GATE METER	10/07/2023	12/30/2023	2,252.50	0	12/23	81-41-273
Total 5681 Remedy Excavating:						2,252.50			
5699 Alan Barlow									
122023	1	Invoice	REPAIR KITS FOR MAXWELL PARK RESTROOMS	12/22/2023	12/30/2023	325.00	0	12/23	11-48-250

Invoice	Seq	Type	Description	Invoice Date	Due Date	Total Cost	GL Activity	Period	GL Account
Total 5699 Alan Barlow:						325.00			
5712 CATALYST CONSTRUCTION									
151	1	Invoice	Fiber Server Office Rent	12/01/2023	12/30/2023	100.00	0	12/23	90-41-580
Total 5712 CATALYST CONSTRUCTION:						100.00			
5745 PUBLIC MANAGEMENT PARTNERS									
11-2023	1	Invoice	COURT MONITOR FEES FOR NOVEMBER 2023	12/09/2023	12/31/2023	1,088.50	0	12/23	63-41-310
Total 5745 PUBLIC MANAGEMENT PARTNERS:						1,088.50			
5793 STATE BANK OF SOUTHERN UTAH									
11152023	1	Invoice	SEWER REVENUE BOND, SERIES 2021	11/15/2023	12/30/2023	20,163.25	0	12/23	82-42-822
Total 5793 STATE BANK OF SOUTHERN UTAH:						20,163.25			
5843 SINTONIA INC									
18	1	Invoice	CITY ATTORNEY	12/01/2023	12/30/2023	5,000.00	0	12/23	11-41-117
Total 5843 SINTONIA INC:						5,000.00			
5854 SUU WATERLAB									
WL-0650	1	Invoice	WATER TESTING	12/21/2022	12/30/2023	140.00	0	12/23	81-41-314
WL-1186	1	Invoice	WATER TESTING	05/31/2023	12/30/2023	154.00	0	12/23	81-41-314
WL-1192	1	Invoice	WATER TESTING	06/02/2023	12/30/2023	120.00	0	12/23	81-41-314
WL-1216	1	Invoice	WATER TESTING	06/12/2023	12/30/2023	78.00	0	12/23	81-41-314
WL-1312	1	Invoice	WATER TESTING	07/12/2023	12/30/2023	176.00	0	12/23	81-41-314
WL-1423	1	Invoice	WATER TESTING	08/02/2023	12/30/2023	154.00	0	12/23	81-41-314
WL-1436	1	Invoice	WATER TESTING	08/02/2023	12/30/2023	78.00	0	12/23	81-41-314
WL-1499	1	Invoice	WATER TESTING	08/15/2023	12/30/2023	235.86	0	12/23	81-41-314
WL-1547	1	Invoice	WATER TESTING	08/29/2023	12/30/2023	154.00	0	12/23	81-41-314
WL-1648	1	Invoice	WATER TESTING	09/26/2023	12/30/2023	154.00	0	12/23	81-41-314
WL-1785	1	Invoice	WATER TESTING	11/08/2023	12/30/2023	154.00	0	12/23	81-41-314
WL-1884	1	Invoice	WATER TESTING	12/11/2023	12/30/2023	154.00	0	12/23	81-41-314
Total 5854 SUU WATERLAB:						1,751.86			
5855 CIVICPLUS									
266780	1	Invoice	Municode ANNUAL SELF-PUBLISHING SOFTWARE LICENSE RENEWAL	09/01/2023	12/30/2023	2,682.54	0	12/23	11-41-210
268558	1	Invoice	Municode open subscription	09/01/2023	12/30/2023	5,805.00	0	12/23	11-41-210
Total 5855 CIVICPLUS:						8,487.54			
5873 THE BANCORP BANK, N.A.									
622121	1	Invoice	ANNUAL LEASE RENTAL SILVERADO	12/10/2023	12/30/2023	9,461.89	0	12/23	65-41-850
Total 5873 THE BANCORP BANK, N.A.:						9,461.89			
5875 VIEWPOINT FINANCIAL SERVICES, LLC									
2023-10HD	1	Invoice	FINANCIAL CONSULTING SERVICES - OCTOBER 2023 70% SPLIT	11/30/2023	12/30/2023	7,033.25	0	12/23	65-41-145
2023-10HD	2	Invoice	FINANCIAL CONSULTING SERVICES - OCTOBER 2023 30% SPLIT	11/30/2023	12/30/2023	3,014.25	0	12/23	11-41-312

Invoice	Seq	Type	Description	Invoice Date	Due Date	Total Cost	GL Activity	Period	GL Account
Total 5875 VIEWPOINT FINANCIAL SERVICES, LLC:						10,047.50			
5894 JERALD A POSTEMA									
1043-23	1	Invoice	UTILITIES DIRECTOR CONTRACT FOR nOVEMBER 2023	12/10/2023	12/31/2023	5,000.00	0	12/23	65-41-310
1043-23	2	Invoice	FOOD AND MEALS REIMBURSEMENT	12/10/2023	12/31/2023	72.82	0	12/23	65-41-310
1043-23	3	Invoice	TRAVEL	12/10/2023	12/31/2023	551.25	0	12/23	65-41-310
Total 5894 JERALD A POSTEMA:						5,624.07			
5906 VALCOM SALT LAKE CITY, LC									
IN126815	1	Invoice	COUNCIL CHAMBERS AV UPGRADE - COMPLETION	11/09/2023	12/30/2023	10,733.30	0	12/23	65-41-250
Total 5906 VALCOM SALT LAKE CITY, LC:						10,733.30			
5921 LORI WEDEMEYER									
12012023	1	Invoice	DECEMBER HR CONSULTING	12/15/2023	12/30/2023	1,500.00	0	12/23	11-41-312
Total 5921 LORI WEDEMEYER:						1,500.00			
5928 TYLER BONZO									
102023	1	Invoice	PROSECUTION IN HILDALE JUSTICE COURT	12/15/2023	12/30/2023	1,100.00	0	12/23	11-42-310
112023	1	Invoice	PROSECUTION IN HILDALE JUSTICE COURT	12/15/2023	12/30/2023	1,100.00	0	12/23	11-42-310
122023	1	Invoice	PROSECUTION IN HILDALE JUSTICE COURT	12/15/2023	12/30/2023	1,100.00	0	12/23	11-42-310
Total 5928 TYLER BONZO:						3,300.00			
5929 VICTOR HERNANDEZ									
003	1	Invoice	EMPLOYEE APPRECIATION EVENT	12/21/2023	12/30/2023	615.00	0	12/23	11-49-410
Total 5929 VICTOR HERNANDEZ:						615.00			
5930 HOLIDAY RESORT MANAGEMENT, PC									
12012023	1	Invoice	APARTMENT RENT	12/01/2023	01/31/2024	1,002.49	0	12/23	65-41-580
Total 5930 HOLIDAY RESORT MANAGEMENT, PC:						1,002.49			
Grand Totals:						477,081.92			

Report GL Period Summary

GL Period	Amount
12/23	477,081.92
Grand Totals:	477,081.92

Vendor number hash: 662294
Vendor number hash - split: 931001

Terms Description	Invoice Amount	Discount Amount	Net Invoice Amount
Total number of invoices:		145	
Total number of transactions:		211	
Terms Description	Invoice Amount	Discount Amount	Net Invoice Amount
Net 15	134,225.77	.00	134,225.77
NET 30	201,579.85	.00	201,579.85
Open Terms	141,276.30	.00	141,276.30
Grand Totals:	477,081.92	.00	477,081.92



Utilities Monthly Report December 2023

Gas Operations:

Gas staff have been rebuilding the regulators at the Natural Gas Gate Station in Hildale.



(Colorado City Natural Gas Gate Station)



Sewer Operations:

The Utility Crew cleaned approximately 3,650 feet of sewer main line this month. The meter at the Sewer Lift Station serving Centennial Park was calibrated and is now working accurately. The SMART Cover has worked as hoped for providing pre-alarming for higher-than-normal flows in the Centennial Park sewer system and allowing staff to respond proactively to the increased flows at the Lift Station. The damaged pumps have been replaced and/or repaired and are all back in service.

Sewer Headworks Project

Aardvark Underground Inc. has completed the construction work on the Sewer Headworks project. The city staff are coordinating an equipment start-up and training on January 8th, 2024. Once the equipment and start-up are complete, the City will have a ribbon cutting ceremony for the project.





Water Operations:

The Water Treatment Plant is operating at optimum levels for removal of iron and other constituents. Colorado City/Mohave County and Hildale held a groundbreaking ceremony for the Mohave County, Arizona ARPA Grant Water Project for new Well #25 on December 20th, 2023 at the Water Treatment Plant. Mayor Ream and the guest of honor, Mohave County Board of Supervisors Chairman, Travis Lingenfelter participated in the groundbreaking and spoke about the project and funds. Council members from Colorado City, Hildale and the Utility Advisory Board were in attendance and participated in the groundbreaking.





Grants and Administration:

Staff are working on completing the Arizona Department of Environmental Quality (ADEQ) permitting for the Academy Well and Well 17. During a site visit and routine sampling in November of the community wells, Utah DEQ informed us the two wells were not fully permitted and the communities will need to receive permits from the state agencies to use the wells for drinking water.

The Water Master Plan, Facilities Plan and the Impact Fee Study have been reviewed and recommended to the City and Town Councils for adoption.

The Rate Study, through the Rural Community Assistance Corporation (RCAC), is now substantially complete and will be available for discussion on the rate structure and timing of the increases in early 2024. The rate options will be discussed and reviewed by the Utility Advisory Board and further action will follow based on the comments and any follow-up work which may be requested. The project is being funded through the United States Department of Agriculture – Rural Development (USDA-RD)

Staff have been working on design and cost for the installation of a Booster Pump Station to eliminate the low-pressure zone in the southwest portion of Hildale. The consulting engineer is looking at the best options to place the booster pumps to provide the best location and have the greatest positive impact to the system by using hydraulic modeling. The booster pumps will allow construction of buildings and provide increased fire flows for the area.

Staff are working with the Water Infrastructure Finance Authority (WIFA) Loan/Grant, for the maintenance of the 600,000 (6K) gallon and 800,000 (8K) gallon tank. The 6K tank needs to be taken out of service and the inside cleaned, painted and placed back in service. The 8K tank needs cathodic protection installed and the exterior cleaned and painted.



Staff is working on energy efficiency programs for the wells and treatment plant by installing Variable Frequency Drives (VFD), the investigation includes finding grants for the purchase and installation of the VFD's.

Utilities staff are researching the conversion of the current gas and water meter reading system with an updated version that will provide better service and reliability. The current system, Badger Meter, has discontinued the gas meter portion of the sales and moved the reading platform to a cloud application using a third-party vendor, Amazon. Staff recommend moving to a generic reading system that can be used on all existing meters. The price for conversion and the reading devices would be significantly cheaper than making a change to another meter and reading company. Once the costs have been received, a presentation and recommendation will be provided to the Board and Councils.

Staff are continuing to work on the Water and Gas reports to show the use by each community and the non-revenue amount to account for all the uses of the water and gas from the system. They will be included in future reports and there will be a running amount for each fiscal year for comparison and reporting to the appropriate regulatory agencies.

HILDALE - COLORADO CITY FIRE DEPARTMENT

FIRE CHIEF'S REPORT TO THE BOARD

December 19, 2023

ADMINISTRATIVE ACTIONS: Kevin attended a "Listening Session" in St. George hosted by the Utah Department of Public Safety regarding the transition of the Office of EMS from the Department of Health and Human Services to DPS by next July. The move is by legislative mandate. DPS representatives asked to hear from agencies what they see is important to change or continue and the bureau functions are moved under the new umbrella of DPS.

The Washington County LEPC meetings were held on December 7.

The mandatory reporting to Centers for Medicare & Medicaid Services was submitted by the November 30 deadline. This is a new requirement for ground ambulance services to provide comprehensive financial data including volunteer hours and facility costs. Hildale Fire Department was among the quarter of all agencies nationally that were selected just prior to the pandemic and was giving an extension. Colorado City FD is on the list to report for the current year. The report was a combined effort by GCS Billing, Daniel S. Barlow, Mary Barlow, Stacie Knudson, and Mildred Barlow.

TRAINING REPORT: One evening was used to catch up those who had missed the mandatory emergency driver refresher and also the SCBA timing and crawl-through evaluation. 68% of our responders participated in the EVO update and 60% of firefighters have completed the SCBA evaluation.

Special Operations training was a hazmat decon corridor drill set up at Station 1.

Both the MCC Paramedic and EMT classes have completed. Two department members completed the year-long Paramedic program and graduated. Five current members completed the EMT class. Seven other class members may be interested in applying for membership. Kevin and Lily also assisted with the NREMT testing for the Richfield Paramedic class.

The curriculum and schedule for the Firefighter Recruit Academy have been drafted. We will have 11 candidates, Kanab FD one, Hurricane Valley FD two, and Apple Valley FD two for a total of sixteen in the academy.

MAINTENANCE REPORT: The replacement motor for A110 was finally delivered. The project required that the mechanics take the entire cab off the chassis. It is expected to take several more weeks to complete the job.

A great deal of effort has been put into cleaning Station 1 in preparation for the year-end dinner. All staff members and several volunteers put in two full days of cleaning, organizing and clearing out old outdated medications and medical supplies.

FIRE PREVENTION: The CPR Training Center certified 12 CPR/First-Aid students. Five department members were provided a new ACLS class.

Fire Prevention activity continued with several commercial inspections. Two more of the Cottonwood Village Apartments buildings came on line after fire system tests.

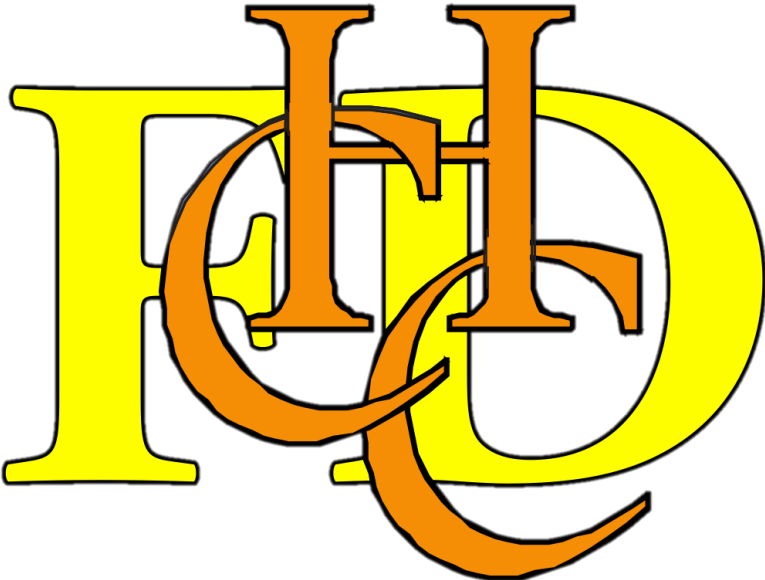
OTHER: Two structure fire mutual aid responses were made into Hurricane.

About 50% of our transports have been going to the new IHC Hurricane ED with about 50% directly to St. George Regional Hospital.

RESPECTFULLY SUBMITTED:



Kevin J. Barlow, Chief





Colorado City Police Department
Hildale City Police Department
Courage-Compassion-Integrity

Robbins A. Radley
 Chief Marshal

Police Department Report

December 2023

Patrol: In Colorado City officers took 153 cases and in Hildale City 113 cases. Traffic citations in Colorado City 10 with 40 warnings, and Hildale City had 23 citations and 57 warnings.

Dispatch:

Update on: A formal intergovernmental agreement will be coming between the Town of Apple Valley and the dispatch center. The agreement is a requirement and will be similar in nature as our IGA with Hildale City for dispatch services. At this time the first draft is under review by both Town's attorneys in hope that in January an agreement may be reached.

Administration: A year end report and review will be prepared for January's Council, but here is a snap shot of calls for service in 2022 versus 2023: Hildale City 2022 = 1323 Colorado City 2022 - 1814, Hildale City 2023 (up to 12/26/23) = 1824 and Colorado City = 2456. This is equal to an approximate 25% increase in calls for service from 2022 to 2023.

Thank you to both City Councils and Managers for your continued support. A special thank you to outgoing members of City Council for your years of service.

Attached is a department picture. Note: there are a few members missing from the photo due to covering assignments and illness.



Thank you, *Robbins A. Radley*



Public Works Report

December 22, 2023

Cleaned the creek crossing culverts on Central Street at the creek crossing so the water can flow under. Straightened up and repaired the bent railing on Richard Street crossing.

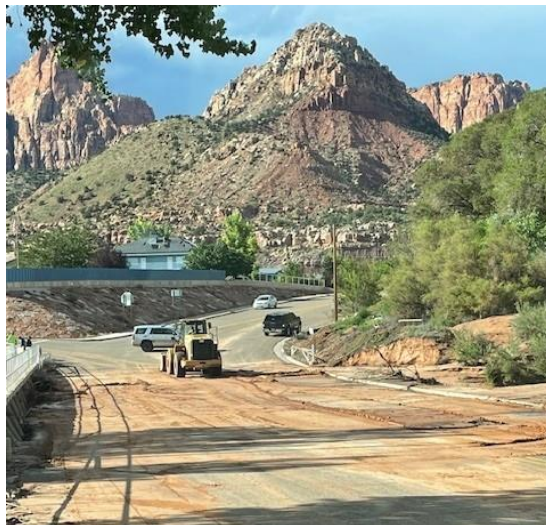
Paul got the front loader truck running with a little more work on the packer it will put to work so we can have a backup truck.

We spent 3 weeks filling the large crack and alligator cracking with mastic tar on the taxiways on the airport and willow street south of Arizona Ave.

Repaired the hole on the south side of Hildale Street creek crossing and spent time doing pothole repair around town. We are working on making our streets better.

Thanks for the opportunity to help improve our community.

Public Works Director



Utility Advisory Board Recommendation Memorandum

To: Hildale City Manager & City Council/Colorado City Town Manager & Town Council

From: Hildale/Colorado City Utility Advisory Board Chair, Ezra Nielsen



Page | 1

Date: December 29, 2023

Cc: Jerald A Postema, Utility Director, Nathan Fischer, Utility Superintendent, Athena Crawley, Utility Administrative Assistant, Sirrene Barlow, City Recorder, Rosie White, Town Clerk

Re: **Review of the Hildale City & Town of Colorado City Culinary Master Plan, Infrastructure Plan and Water Impact Fee**

On December 20, 2023, 6:00 pm at Hildale City Hall at the regularly scheduled meeting of the Utility Advisory Board, the members reviewed and took public questions on the proposed Water Master Plan, Water Impact Fee Facilities Plan as presented by Sunrise Engineers dated October 2023.

A motion was made and approved unanimously by the board to recommend the City and Town Councils to adopt the Water Master Plan and Water Impact Fee Facilities Plan.

The Board makes this recommendation based on the requirements being met in compliance with Arizona **ARS 9-463.05** and Utah State **UCA 11-36a** Statutes for Impact Fees.

Further, in compliance with **ARS 9-463.05, Subsections D & G**, we, as the appointed Infrastructure Improvements Advisory Committee, have reviewed the land use assumptions and have determined the assumptions are in conformance with the general plan of the municipality. We further advise the municipality (Colorado City) to adopt the updated and revised land use assumptions, infrastructure improvements plan and development fee.

As the Utility Advisory Board and Infrastructure Improvements Advisory Committee we will review and provide recommendations annually to the municipalities.

HILDALE CITY & TOWN OF COLORADO CITY CULINARY WATER MASTER PLAN UPDATE

October 2023

DRAFT

PREPARED BY:



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Table of Contents

- I. INTRODUCTION..... 1
- II. SYSTEM USERS' ANALYSIS 2
 - A. LENGTH OF PLANNING PERIOD 2
 - B. PROJECTED GROWTH RATE 2
 - C. PROJECTED POPULATION & NUMBER OF CONNECTIONS 3
 - D. PROJECTED EQUIVALENT RESIDENTIAL UNITS (ERU) 4
 - E. AVERAGE CULINARY WATER USAGE 5
 - F. PEAK DAY DEMAND CULINARY WATER USAGE 6
 - G. PEAK INSTANTANEOUS DEMAND CULINARY WATER USAGE 6
 - H. CONSERVATION 7
- III. WATER SOURCE CAPACITY ANALYSIS..... 8
 - A. EXISTING WATER SOURCE 8
 - B. EXISTING REQUIRED WATER SOURCE CAPACITY 8
 - C. PROJECTED REQUIRED WATER SOURCE CAPACITY 9
 - D. RECOMMENDED WATER SOURCE CAPACITY IMPROVEMENTS 9
 - 1. 1 TO 5 YEAR IMPROVEMENTS10
 - 2. 6 TO 10 YEAR IMPROVEMENTS.....10
 - 3. 11 TO 20 YEAR IMPROVEMENTS11
 - E. SOURCE CAPACITY SUMMARY12
- IV. WATER STORAGE CAPACITY ANALYSIS.....14
 - A. EXISTING WATER STORAGE CAPACITY14
 - B. EXISTING REQUIRED WATER STORAGE CAPACITY.....14
 - C. PROJECTED REQUIRED WATER STORAGE CAPACITY15
 - D. STORAGE CAPACITY CHALLENGES.....15
 - E. RECOMMENDED WATER STORAGE CAPACITY IMPROVEMENTS16
 - 1. 1 TO 5 YEAR IMPROVEMENTS16
 - 2. 6 TO 10 YEAR IMPROVEMENTS.....17
 - 3. 11 TO 20 YEAR IMPROVEMENTS17
 - F. STORAGE CAPACITY SUMMARY18
- V. WATER TREATMENT REQUIREMENTS AND ANALYSIS.....19
 - A. GENERAL REQUIREMENTS.....19
 - B. EXISTING TREATMENT FACILITIES19
 - C. PROJECTED WATER TREATMENT CAPACITY19
 - D. RECOMMENDED WATER TREATMENT FACILITY IMPROVEMENTS20
 - 1. 1 TO 5 YEAR IMPROVEMENTS20
 - 2. 6 TO 10 YEAR IMPROVEMENTS.....20
 - 3. 11 TO 20 YEAR IMPROVEMENTS20
 - E. TREATMENT CAPACITY SUMMARY21
- VI. WATER DISTRIBUTION SYSTEM ANALYSIS 23
 - A. EXISTING DISTRIBUTION SYSTEM ANALYSIS23

- B. PROJECTED DISTRIBUTION SYSTEM ANALYSIS24
- C. FIRE HYDRANTS24
- D. RECOMMENDED DISTRIBUTION SYSTEM IMPROVEMENTS.....24
 - 1. 1 TO 5 YEAR IMPROVEMENTS24
 - 2. 6 TO 10 YEAR IMPROVEMENTS.....25
 - 3. 11 TO 20 YEAR IMPROVEMENTS25
- VII. WATER AVAILABILITY 27
 - A. WATER CONSERVATION PROGRAM27
 - B. CONSTRUCTION WATER27
 - C. RECYCLE BACKWASH WATER AT TREATMENT PLANT27
 - D. SECONDARY WATER SYSTEM.....28
 - E. WASTEWATER REUSE28
 - F. INSTALLING AUTOMATIC METERING28
- VIII. SUMMARY OF RECOMMENDED IMPROVEMENTS..... 29
 - A. PRIORITY OF IMPROVEMENTS29
- IX. POSSIBLE FINANCING PLAN 30
- X. IMPACT FEE ANALYSIS..... 32
 - A. EXISTING IMPACT FEES32
 - B. LEVEL OF SERVICE.....32
 - C. PROPORTIONATE SHARE ANALYSIS32
 - 1. WATER SOURCE.....32
 - 2. WATER STORAGE.....33
 - 3. WATER TREATMENT.....33
 - 4. WATER DISTRIBUTION33
 - 5. FUTURE PLANNING.....34
 - D. ZONAL IMPACT FEES34
 - E. IMPACT FEE ANALYSIS34
 - F. IMPACT FEE CERTIFICATION.....35

Appendices

Appendix A – Growth Analysis

Appendix B – Water Use Analysis

Appendix C – Engineers Opinion of Probable Cost

Appendix D – System Maps

Appendix E – Impact Fee Analysis

Appendix F – Impact Fee Certification

I. INTRODUCTION

Hildale City is located along Highway 59 in Washington County in southwestern Utah. The Town of Colorado City is neighboring Hildale, just across the border in Mohave County, Arizona. The water system is shared and funded by both communities (city) and is operated and maintained by the Hildale & Colorado City Utility Department (HCCUD) through an Inter-Governmental Agreement (IGA) with Colorado City. This plan was created with coordination from staff from Hildale City, the Town of Colorado City and the HCCUD.

Hildale City completed a previous Culinary Water Master Plan Update in 2020, which was an update to their 2014 plan. Hildale City has contracted with Sunrise Engineering to complete an update to the 2020 plan. While this is a shorter window between plans than is typical, the city has recognized that conditions and future projections have changed significantly in that short time period. The intent of this update is to account for these changes.

The culinary water system has been analyzed under the State of Utah Division of Drinking Water guidelines to determine the current system status and to evaluate possible system needs as the community grows during the next 20 years. As part of this plan, Sunrise Engineering, Inc. has included recommended improvements to the culinary water system and has developed a potential financing plan that will help Hildale City and the Town of Colorado City obtain the necessary funds for the recommended improvements.

This plan also serves as the Impact Fee Facilities Plan for Hildale and Colorado City and includes an Impact Fee Analysis.

This report does not analyze water rights or a secondary water system. This plan also does not include a user rate analysis.

II. SYSTEM USERS' ANALYSIS

A. LENGTH OF PLANNING PERIOD

It is typical for a master plan to use a 10 or 20-year planning period. The first year of a 10-year planning period would be the calendar year 2024 with the 10th and final year being 2033. This plan will use fiscal years and will assume a 20-year (2024-2043) planning period for recommended improvements. This period will allow an adequate evaluation of the system for potential infrastructure improvements or other needs. Revenue sources should be carefully evaluated each year as budgets are set by the city and town council.

B. PROJECTED GROWTH RATE

An important element in the development of the water system and capacity analysis is the projection of the city's population growth rate on an annual basis. This projection gives the planner an idea of the potential future demands on the culinary water system for the length of the planning period.

Projecting the number of future culinary water connections can be a subjective process. The most effective method of estimating the number of future connections is by analyzing past historical numbers of connections and census records. Because Hildale and Colorado City utilize the same water system, the census records and past numbers of connections of both Hildale and Colorado City were included in the analysis. In the past five years the communities have seen a fluctuation of positive and negative growth rates. Due to this fluctuation, analyzing the historical growth rates is an inaccurate method of predicting future growth for these communities. Figure II-1 below shows the historic population in both communities.

Figure II-1: Historic Population

Calendar Year	Hildale Population	Colorado City Population	Total Population	Est. Growth Rate	Number of Connections
2018	2,916	4,825	7,741	0.21%	863
2019	2,910	4,836	7,746	0.06%	763
2020	2,727	4,531	7,258	-6.30%	799
2021	2,825	4,694	7,519	3.60%	855
2022	2,931	4,871	7,802	3.76%	1,113

At the time of the previous plan, the communities anticipated minimal to no growth for the first few years of the planning window. However, in the past few years the communities have seen a significant increase in number of connections, and there are multiple new developments that are in various stages of construction and planning that are anticipated to come to each community in the planning window. Development is anticipated to continue at a relatively high rate for the length of the planning window. This abrupt change in growth is one of the main reasons the city is updating their culinary water master plan after only a few years.

Staff and elected officials from both communities looked at the upcoming developments in different stages of the approval process to determine a realistic number of anticipated new connections in future years. The number of anticipated new connections was used to determine a growth rate. In the discussions with staff from each community, it was determined that based on the expected timeline of new developments, a higher than typical growth rate will be assumed over the 20-year planning period. The following growth rates were used for this study:

- 2024-2028 (first 5 years) – 10% per year
- 2029-2033 (second 5 years) – 12% per year
- 2034-2038 (third 5 years) – 10% per year
- 2039-2043 (last 5 years) – 8% per year

C. PROJECTED POPULATION & NUMBER OF CONNECTIONS

Based on the forecasted growth rates referenced above, the number of connections the city will need to plan for can be calculated with the compound interest formula shown below.

$$F = P(1 + i)^N$$

F = Future Population P = Present Population

i = Projected Growth Rate N = Years

This equation was used to project the community population and number of connections for each year in the planning period. Figure II-2 below shows a summary of the growth rate analysis. Appendix A shows the full analysis.

Figure II-2: Growth Rate Analysis Summary

Calendar Year	Est. Growth Rate	Hildale Population	Colorado City Population	Total Population	Hildale Connections	Colorado City Connections	Total Connections
2023		3,224	5,358	8,582	435	790	1,224
2024	10.0%	3,547	5,894	9,440	478	869	1,347
2025	10.0%	3,901	6,483	10,384	526	956	1,481
2026	10.0%	4,291	7,132	11,423	578	1,051	1,630
2027	10.0%	4,720	7,845	12,565	636	1,156	1,792
2028	10.0%	5,192	8,629	13,822	700	1,272	1,972
2029	12.0%	5,816	9,665	15,480	784	1,425	2,208
2030	12.0%	6,513	10,825	17,338	878	1,596	2,473
2031	12.0%	7,295	12,124	19,419	983	1,787	2,770
2032	12.0%	8,170	13,578	21,749	1,101	2,001	3,103
2033	12.0%	9,151	15,208	24,359	1,233	2,242	3,475
2034	10.0%	10,066	16,729	26,794	1,357	2,466	3,822
2035	10.0%	11,073	18,401	29,474	1,492	2,712	4,205
2036	10.0%	12,180	20,241	32,421	1,641	2,984	4,625
2037	10.0%	13,398	22,266	35,663	1,806	3,282	5,088
2038	10.0%	14,738	24,492	39,230	1,986	3,610	5,596
2039	8.0%	15,917	26,452	42,368	2,145	3,899	6,044
2040	8.0%	17,190	28,568	45,758	2,317	4,211	6,528
2041	8.0%	18,565	30,853	49,418	2,502	4,548	7,050
2042	8.0%	20,050	33,321	53,372	2,702	4,912	7,614
2043	8.0%	21,654	35,987	57,641	2,918	5,305	8,223

It is important to understand that projected growth rates are not the cornerstone of this plan. If the number of system connections projected is reached earlier or later than anticipated, future improvements to support growth may come either earlier or later.

D. PROJECTED EQUIVALENT RESIDENTIAL UNITS (ERU)

The water system is made up of multiple connection types. Hildale City and the Town of Colorado City report their different connections to the state as either residential, commercial, industrial, or institutional. Figure II-3 shows a summary of the number of connections by type.

Figure II-3: Total Number of Units Per Connection Type

Year	Residential	Commercial	Industrial	Institutional	Total
2018	730	72	24	37	863
2019	667	66	18	12	763
2020	695	70	20	14	799
2021	742	75	23	15	855
2022	939	98	28	48	1,113
2023	1,033	108	31	53	1,225

Each of these different connection types use different amounts of water at different flow rates. To properly analyze the systems usage, the number of connections is converted to equivalent residential units (ERU). This is done by taking the usage per connection of each connection type and dividing by the usage per connection of the average residential connection. Figure II-4 and Figure II-5 show the number of ERUs per connection type and the total number of ERUs. This plan will use the number of ERUs instead of the number of connections.

Figure II-4: ERUs Per Connection Type

Residential	Commercial	Industrial	Institutional
1.0	1.4	1.1	1.7

Figure II-5: Total Number of ERUs Per Connection Type

Year	Residential	Commercial	Industrial	Institutional	Total
2018	730	71	14	33	848
2019	667	90	23	26	806
2020	695	114	14	32	855
2021	742	109	22	51	924
2022	939	142	32	82	1,195
2023	1,033	156	35	90	1,314

Applying the growth rates that were established in Figure II-2 to the number of ERUs, the projected number of ERUs can be found for the end of the planning period.

Figure II-6: Projected Number of ERUs

Calendar Year	Hildale ERUs	Colorado City ERUs	Total ERU
2023	468	847	1,315
2024	515	931	1,446
2025	566	1,024	1,591
2026	623	1,127	1,750
2027	685	1,239	1,925
2028	754	1,363	2,117
2029	844	1,527	2,371
2030	945	1,710	2,656
2031	1,059	1,915	2,974
2032	1,186	2,145	3,331
2033	1,328	2,403	3,731
2034	1,461	2,643	4,104
2035	1,607	2,907	4,514
2036	1,768	3,198	4,966
2037	1,945	3,518	5,462
2038	2,139	3,870	6,009
2039	2,310	4,179	6,489
2040	2,495	4,513	7,008
2041	2,695	4,875	7,569
2042	2,910	5,265	8,175
2043	3,143	5,686	8,829

E. AVERAGE CULINARY WATER USAGE

The State of Utah Public Drinking Water regulations require public water systems to meet requirements based upon usage. These requirements are found in the State Code R309. The code provides a standard usage based upon the types of connections serviced in a system. For a standard residential connection, the code says to assume an average daily usage of 400 gallons per day (gpd) per ERU. Historical usage data was provided by the HCCUD and that usage was compared against the 400 gpd to check if it would adequately represent the usage in the city's system.

The historical usage from the city was from meter data over the past 5 years (2018-2022). To check against the usage indicated in the State's Code R309, the average usage per ERU was calculated from the historical usage. The total average usage over the past 5 years was divided by the average number of ERUs and then converted to gpd/ERU as shown in the calculations below.

$$285,751,000 \text{ gallons} / 926 \text{ ERU} = 308,920 \text{ gallon/ERU/year}$$

$$308,920 \text{ gallon/ERU/year} / 365 \text{ days/year} = 846 \text{ gpd/ERU}$$

Figure II-7 shows a summary of the average usage and historical data that is explained above.

Figure II-7: Hildale & Colorado City Historical Usage Summary

Year	Total Usage (Thousand Gallons)	Number of Connections	Usage per Conn (gpd/conn)	Number of ERUs	Usage per ERU (gpd/ERU)
2018	303,105	863	962	848	979
2019	251,780	763	904	806	856
2020	285,109	799	978	855	914
2021	279,736	855	896	924	829
2022	309,026	1,113	761	1,195	708
5-Year Avg:	285,751	879	900	925	846

The 846 gpd/ERU average usage calculated from the city’s historical usage is significantly higher than the usage that is indicated for use in the state code. This is because the average household size in the communities of Hildale City and Colorado City is larger than the average household size in the rest of the state. Because of the larger usage per ERU, this plan will determine usage demand based on the historical usage instead of the numbers from the state code. This method will result in a more realistic analysis and is the more conservative of the two methods.

The calculations in this report will be based on the historical average usage of 846 gpd/ERU (0.59 gpm/ERU). It is recommended that future improvements be sized based on this average usage.

F. PEAK DAY DEMAND CULINARY WATER USAGE

Peak Day Demand (PDD) is defined by the Utah Administrative Code as the “anticipated water demand on the day of the highest water consumption”. The state code uses 800 gpd/ERU for a peak day demand of a standard residential unit which is twice the average day demand. Therefore, it can be assumed that the PDD for this plan is double the 846 gpd/ERU average demand calculated above. Doubling the average usage results in a peak demand of 1,692 gpd/ERU (1.17 gpm/ERU).

G. PEAK INSTANTANEOUS DEMAND CULINARY WATER USAGE

Peak Instantaneous Demand (PID) can be described as the highest demand at any one instance in the system. This can be determined based on hourly usage if such data is available. Where hourly usage data does not exist, which is the case of this study, the State Code uses the following method to calculate the PID:

Indoor Usage:

$$Q_{peak\ indoor} = 10.8 \times N^{0.64}$$

Where N is the number of connections and Q is the flow in gpm

Outdoor Usage:

$$Q_{peak\ outdoor} = N \times Irr. \text{ Acreage} \times Demand\ Factor$$

Where N is the number of connections, $Irr.$ Acreage is the average area that is irrigated throughout the system and the Demand Factor is based on the zone given in Table 510-7 of R309-510 of the Utah Administrative Code.

This calculation results in a PID of 2,446 gpm for the year 2024. It's important to note that the formula does not take into account the average household size, only the number of connections. The PID is expected to go down as the average household size decreases.

H. CONSERVATION

This plan assumes a conservation rate of 0.5% per year over the planning period. This conservation factor is used to represent any conservation efforts from the city, existing connections, or new connections. This rate also takes into account the decrease in average household size that the communities are currently experiencing. This conservation results in the following demands at the end of the planning window.

- ADD (2043) = 766 gpd/ERU
- PDD (2043) = 1,531 gpd/ERU

The conservation factor is not used for the PID. As mentioned above, the PID is the highest demand on the system at any given moment. Conservation efforts do not have a major impact on the amount of water that could be used at any given moment.

III. WATER SOURCE CAPACITY ANALYSIS

A. EXISTING WATER SOURCE

To analyze source capacity, all available culinary water sources must first be identified. These sources are listed in Figure III-1. The flow capacity numbers were acquired from the HCCUD.

Figure III-1: Hildale and Colorado City Existing Water Sources

Name/#	Flow (CFS)	Flow (gpm)
Wells		
4	0.265	119
8	0.134	60
10	0.189	85
11	0.178	80
17*	0.223	100
19	0.223	100
21	0.446	200
22	0.223	100
24	0.178	80
Academy	0.512	230
Power Plant**	0.000	0
Subtotal	2.571	1154
Springs		
Jans Canyon	0.036	16
Maxwell Canyon	0.143	64
Subtotal	0.178	80
Total Source	2.750	1234

*Well 17 is currently being refurbished and is anticipated to produce 100 gpm once it is finished.

**Power Plant Well can produce 244 gpm but is currently not plumbed to the treatment plant so it is unavailable and not counted as a source.

Listed spring flows are relatively constant. These springs were developed from a horizontal bore into the Navajo sandstone formation. The springs are currently used for Maxwell Park and a fill station. With the springs being used for these non-culinary uses the culinary system does not realize the full 80 gpm associated with the springs. These uses are unmetered, so it is not known what percentage of the spring water goes into the culinary water system.

B. EXISTING REQUIRED WATER SOURCE CAPACITY

The Utah State Code R309-510-7 states that a water system's source needs to meet "the anticipated water demands on the day of the highest water consumption which is the Peak Day Demand". The PDD was determined Section II.F as 1,692 gpd/ERU. The source capacity demand for the water system was calculated by multiplying the PDD from Section II.F by the total number of ERUs existing in the system. The results of the analysis are presented in gallons per minute. The results of this analysis are shown in Figure III-2 and the calculation is shown in Appendix B.

Figure III-2: Required Source Capacity (Existing Conditions)

Total Required Source Capacity	1,700 gpm
Total Existing Source Available	1,234 gpm
Existing Source Capacity Deficit	-466 gpm

C. PROJECTED REQUIRED WATER SOURCE CAPACITY

The projected culinary water source capacity required at the end of the planning period is determined from the same factors explained in Section III.B, but the projected number of ERUs is inserted into the calculations instead of the number of existing ERUs. The results of the analysis are shown below in Figure III-3, Figure III-4, and Figure III-5.

Figure III-3: Required Source Capacity (5-year Planning Period)

Total Required Source Capacity	2,440 gpm
Total Existing Source Available	1,234 gpm
Existing Source Capacity Deficit	-1,206 gpm

Figure III-4: Required Source Capacity (10-Year Planning Period)

Total Required Source Capacity	4,190 gpm
Total Existing Source Available	1,234 gpm
Existing Source Capacity Deficit	-2,956 gpm

Figure III-5: Required Source Capacity (20-Year Planning Period)

Total Required Source Capacity	9,397 gpm
Total Existing Source Available	1,234 gpm
Existing Source Capacity Deficit	-8,163 gpm

D. RECOMMENDED WATER SOURCE CAPACITY IMPROVEMENTS

The analysis above shows that the existing available source is not sufficient to accommodate a peak day demand. The historical experience has been that during peak summer months with the system running at full capacity, the city is unable to provide enough water. Without being able to provide enough water to meet system demand the water levels in the storage tanks gradually drop during summer months affecting available fire flow and water pressures. This has caused both communities to enact water restrictions during summer months for the last several years.

Significant source availability improvements are needed now as well as in upcoming years. Hildale City and the Town of Colorado City have performed multiple studies over the years looking at different ways to improve the quantity and quality of available source. These studies, as well as this plan, provided several recommended improvements. This plan incorporates the recommendations from these studies. However, these improvements do not provide enough sources to cover the required source capacity in the planning windows.

In order to increase the available source to meet the projected required source capacity, this plan assumes that a significant number of new wells will need to be drilled. In addition to the recommended improvements from previous studies, this plan recommends additional well fields to be installed at the 0–5-year, 6-10-year, and 11-20-year windows. These well fields are included in the recommendations as 6 single projects with one well field for each community in each of the planning windows. The following assumptions were used in calculating the number of needed wells:

- Each well has a flow of 120 gpm, the average flow of all existing wells.
- The required flow for each planning window's well field is equivalent to the source deficit at the end of each planning period.
- The number of wells required was found by taking the total required flow divided by the average flow per well, then multiplied by the respective percentage to split the number of wells between the two states.

It is recommended that a well siting study be performed to identify the best possible locations to drill new wells. Because locations are not specified for these additional wells, the wells are not shown in the recommended improvements map in Appendix D.

1. 1 TO 5 YEAR IMPROVEMENTS

- Treatment Plant Wells – The quickest available option to help increase source capacity is to drill two additional wells on the Arizona side of the system, one shallow well and one deep well. This portion of Arizona is an open basin and does not require obtaining water rights to drill and use a well. The city is currently working on a study to evaluate the locations of these two wells. The preliminary idea is to drill the wells near the treatment plant. Based on the output of existing wells, it is anticipated that these wells will produce roughly 80 gpm for the shallow well and 120 gpm for the deep well. The well study will help refine these estimated flows.
- 5-Year Arizona Well Field – It is anticipated that this project will comprise of 7 wells producing the needed total of 840 gpm.
- 5-Year Utah Well Field – It is anticipated that this project will comprise of 7 wells producing the needed total of 840 gpm and will require corresponding water rights.

2. 6 TO 10 YEAR IMPROVEMENTS

- 10-Year Arizona Well Field - It is anticipated that this project will comprise of 8 wells producing the needed total of 960 gpm.

- 10-Year Utah Well Field - It is anticipated that this project will comprise of 8 wells producing the needed total of 960 gpm and will require corresponding water rights.

3. 11 TO 20 YEAR IMPROVEMENTS

- Trailhead Well 1 – The city is looking at drilling additional wells in the nearby canyons to the northeast. The water from these canyons would be obtained from different geologic formations than their current wells. The hope is that the water quality is similar to the Jans Canyon and Maxwell Canyon springs. Trailhead Well 1 would be located on city owned property near the Squirrel Canyon Trailhead. This well would provide additional source to the city but primarily will act as a test to determine potential quantity and quality of water. It is estimated that this well could produce 175 gpm. These wells are in Utah and will require water rights to drill and use the well. The city currently has water rights that can apply for a water rights transfer to the location of the proposed well.
- Trailhead Well 2- If the Trailhead Well 1 proves to be a successful route for obtaining additional source, it is recommended that the city continue to pursue this source with an additional well on the city owned land next to the Squirrel Canyon Trailhead. This well and all future wells up the canyon will require obtaining additional water rights. This well is also estimated to produce 175 gpm.
- Hildale Groundwater Project Phase I - If the Trailhead Wells are successful at producing good quality water, this plan recommends that additional wells be drilled in the area northeast of Hildale. These wells would be located on Bureau of Land Management (BLM) property and would require environmental studies and going through BLM's process (such as a SF299 application and Plan of Development) for obtaining right-of-way on BLM land. The city has already begun working through this process with the help of the Washington County Water Conservancy District. Based on the best available information that the city has, it is estimated that this project would produce roughly 350 gpm. The exact location of these wells will be determined through coordination with the city and BLM.
- Hildale Groundwater Project Phase II- This phase involves drilling two additional wells in different location than Phase I but in the same general BLM owned area. Phase II would require the same BLM process and need for additional water rights. This phase is also estimated to produce roughly 350 gpm.
- Hildale Groundwater Project Phase III – This phase is similar to the first two and involves additional wells in the BLM owned area Northeast of Hildale. It is estimated that this phase will produce 175 gpm.
- 20-Year Arizona Well Field - It is anticipated that this project will comprise of 14 wells producing the needed total of 1,680 gpm.
- 20-year Utah Well Field - It is anticipated that this project will comprise of 14 wells producing the needed total of 1,680 gpm and will require corresponding water rights.

These recommended improvements are summarized in Figure III-6. The projects with identified locations are shown in the Recommended Improvements exhibit in Appendix D.

Figure III-6: Summary of Recommended Source Improvements

Name/#	Flow (CFS)	Flow (gpm)	Est. Year Installed
Wells			
Treatment Plant Shallow	0.178	80	2024
Treatment Plant Deep	0.267	120	2024
1-5 Year AZ Well Field	1.872	840	2026
1-5 Year UT Well Field	1.872	840	2026
6-10 Year AZ Well Field	2.139	960	2033
6-10 Year UT Well Field	2.139	960	2033
Trailhead Well 1	0.390	175	2034
Trailhead Well 2	0.390	175	2034
Hildale Groundwater Project PH I	0.780	350	2035
Hildale Groundwater Project PH II	0.780	350	2036
11-20 Year AZ Well Field	3.743	1,680	2039
11-20 Year UT Well Field	3.743	1,680	2039
Hildale Groundwater Project PH III	0.390	175	2040
Total Projected New Source	18.683	8,385	

The estimated schedule for the recommended improvements is based on projected growth and the anticipated project priority. It is recommended that the early projects be pushed forward as much as possible as funding options become available.

E. SOURCE CAPACITY SUMMARY

Figure III-7 and Figure III-8 show the comparison between the available source capacity and the projected required source capacity. The available source capacity in Figure III-8 represents the source capacity available with the implementation of the recommended improvements including the various new wells required in each planning window.

Figure III-7: Projected Source Capacity with Existing Conditions

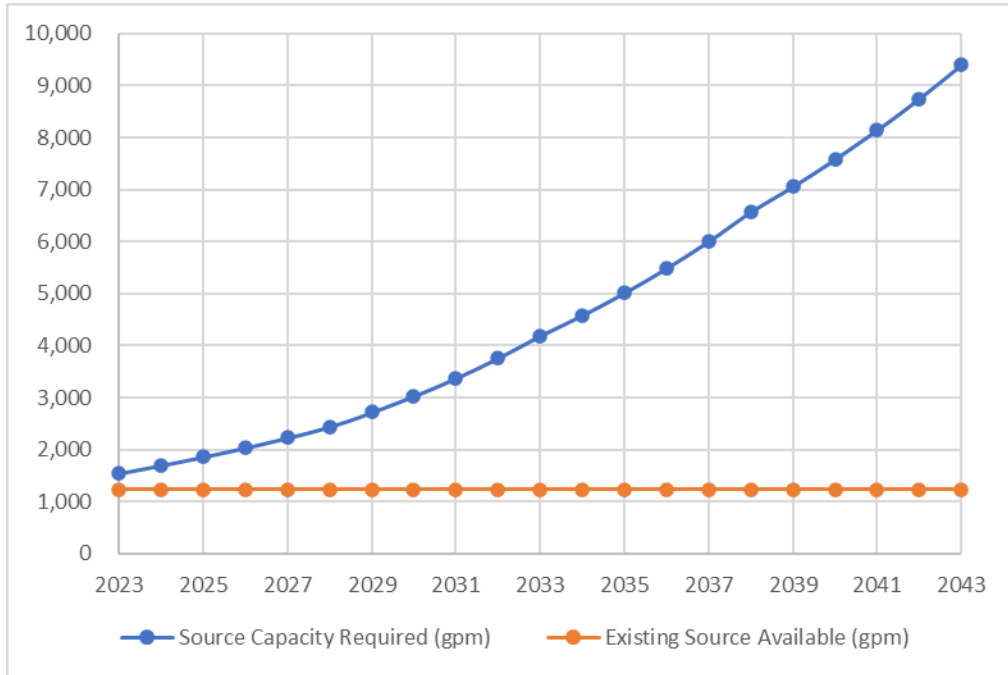
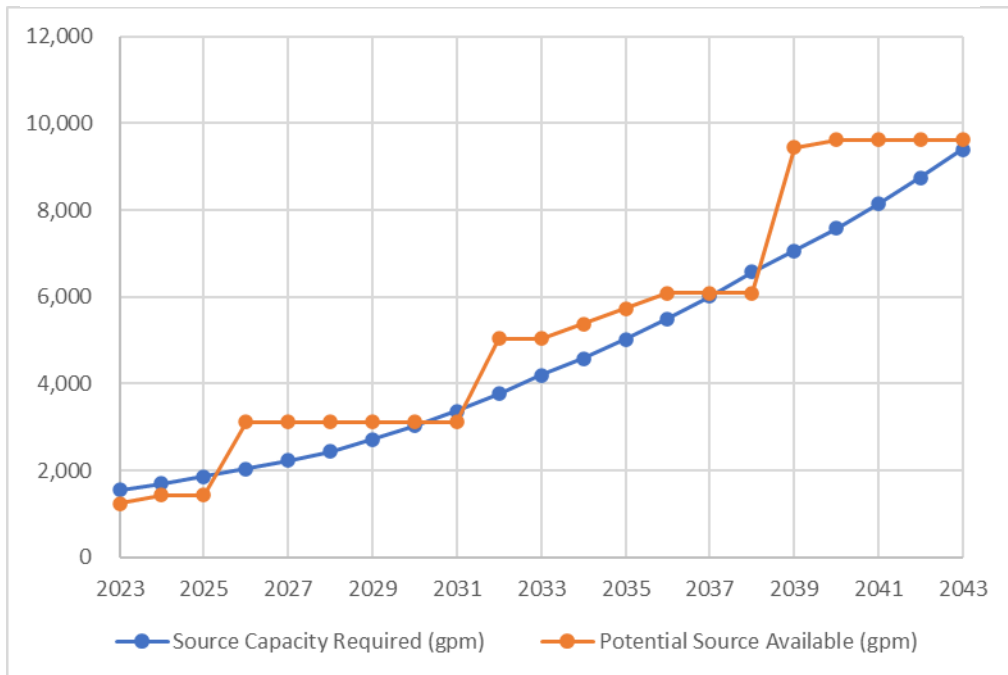


Figure III-8: Projected Source Capacity with Recommended Improvements



IV. WATER STORAGE CAPACITY ANALYSIS

Water storage capacity requirements are found in the State of Utah Public Drinking Water Regulations, R309-510. These regulations require storage for the community’s culinary water system to meet one full day’s average use requirement for all connections in the community in addition to fire flows for a minimum of two hours.

A. EXISTING WATER STORAGE CAPACITY

There are currently four existing water storage tanks. These tanks are identified in Figure IV-1 below. The Saddle Tank is higher than the other three, and it receives water from the springs. The outlet to the Saddle Tank is near the top of the tank allowing unpressurized outflow. In an emergency, there is a valve that can be opened to utilize the storage in the tank. The other three tanks all have the same high-water elevation and receive water from the wells through the treatment plant.

Figure IV-1: Storage Capacity Summary

Existing Tank	Available Storage (gal)
Saddle Tank	60,000
800,000 Gallon Tank	800,000
600,000 Gallon Tank	600,000
Elm Street Tank	1,000,000
Total Existing Storage Capacity	2,460,000

B. EXISTING REQUIRED WATER STORAGE CAPACITY

As shown in Section II-E, average water usage per ERU also known as the Average Day Demand (ADD) in the water system is 846 gpd/ERU. In general, fire flow requirements are set by the local Fire Authority or are based on building size and type of construction. This plan uses the same minimum fire flow as the previous plans of 1,500 gpm.

The required storage capacity was calculated by multiplying the ADD by the total number of ERUs currently existing in the system and adding the required fire flow of 1,500 gpm for 2 hours. When compared with the system’s total storage capacity summarized above, the calculation shows that the city has surplus total storage capacity under current conditions. The results of this analysis are shown in Figure IV-2.

Figure IV-2: Required Storage Capacity (Existing Conditions)

Total Required Storage Capacity	1,404,162 gal
Total Existing Storage Available	2,460,000 gal
Existing Storage Capacity Surplus	1,055,838 gal

C. PROJECTED REQUIRED WATER STORAGE CAPACITY

The projected culinary water storage capacity required at the end of the planning period is determined from the same factors explained in Section IV.B, but the projected number of ERUs is inserted into the calculations instead of the number of existing ERUs. The results of the analysis are shown below in Figure IV-4 and Figure IV-5.

Figure IV-3: Required Storage Capacity (5-Year Planning Window)

Total Required Storage Capacity	1,756,821 gal
Total Existing Storage Available	2,460,000 gal
Existing Storage Capacity Surplus	703,179 gal

Figure IV-4: Required Storage Capacity (10-Year Planning Window)

Total Required Storage Capacity	3,196,811 gal
Total Existing Storage Available	2,460,000 gal
Existing Storage Capacity Deficit	-736,811 gal

Figure IV-5: Required Storage Capacity (20-Year Planning Window)

Total Required Storage Capacity	6,945,872 gal
Total Existing Storage Available	2,460,000 gal
Existing Storage Capacity Deficit	-4,485,872 gal

The current storage capacity is not able to provide enough water for the 10- and 20-year windows. Therefore, improvements will be required in the future.

D. STORAGE CAPACITY CHALLENGES

The storage capacity analysis results show that the city has adequate storage for their current needs. However, with the growth the city is expecting, the required storage will surpass the currently available storage capacity. In addition, there are still some concerns and shortcomings with the existing storage facilities.

- During summer months water operators have expressed concerns that because they are barely able to meet system demands with the wells during the day, and are not able to keep the tanks full. Therefore, the system does not have the full available storage shown in the calculation above.
- The water system consists of a single pressure zone. There are multiple areas around the system within each of the community’s limits that are at an elevation higher than the existing tanks can serve and still meet pressure requirements.

E. RECOMMENDED WATER STORAGE CAPACITY IMPROVEMENTS

Improvements need to be made to provide storage for the projected growth. An analysis was done to determine the location of the ERUs at the end of the planning period based on the available information regarding upcoming development mentioned in Section II.B. The system was divided into six regions and the total projected ERUs were placed in their corresponding region. This resulted in the following total projected ERUs per region:

- Northeast: 251 ERUs
- Northwest: 5,305 ERUs
- Central East: 376 ERUs
- Central West: 345 ERUs
- Southeast: 1,630 ERUs
- Southwest: 327 ERUs

The results of this analysis was used to determine the location and size of the recommended storage improvements. Using the minimum sizing requirement of 846 gpd/ERU a storage requirement was calculated for each region. This results in the following approximate storage required for each region:

- Northeast: 215,000 Gallons
- Northwest: 4,500,000 Gallons
- Central East: 320,000 Gallons
- Central West: 300,000 Gallons
- Southeast: 1,400,000 Gallons
- Southwest: 280,000 Gallons

The areas that require the most storage is the Northwest and Southeast. The existing tanks are able to provide the storage required for the other four regions. To reach the required storage the system needs storage in the following locations:

- Northwest: 4,000,000 Gallons
- Southeast: 500,000 Gallons

This additional 4.5 million gallons of storage will reach the states minimum sizing requirements. To provide emergency storage this plan also recommends an additional 1 million gallons of storage. This plan recommends 4 different storage projects be installed within the planning period to provide this additional storage. The recommended projects are as follows:

1. 1 TO 5 YEAR IMPROVEMENTS

- Sandhill Tank 1 – This tank would be constructed above the Elm Street tank to create a higher-pressure zone that would cover the area north of Utah Avenue and east of the highway. This project would include a booster pump to get water to the tank and valving to create the new pressure zone. It is recommended this tank be at least a 2 million gallons.

2. 6 TO 10 YEAR IMPROVEMENTS

- There are no recommended improvements for this planning period.

3. 11 TO 20 YEAR IMPROVEMENTS

- Trailhead Tank - This tank would be installed on the same site as the two wells recommended in Section III-D in the area Squirrel Canyon. This tank would serve two purposes. First, it would collect the water from the proposed Trailhead Wells and the Hildale Groundwater Project wells. The second purpose is to create a higher-pressure zone on the northeast side of Hildale. This pressure zone would serve the existing services and new development up the canyons north of Williams Avenue. This plan recommends the tank capacity to be 500,000 gallons, but the capacity should be reevaluated after the city receives results on how much water can be obtained from Trailhead Well 1.
- South Concrete Tank – In the southeast region of Colorado City, additional storage is required to provide storage for the new developments that are anticipated to be built in the area. It is recommended that the tank be 1,000,000 gallons and installed to be at the same elevation as the existing tanks.
- Sandhill Tank 2 – Recently Hildale City annexed land west of the previous city limits. There are new developments for this area in the preliminary planning stages for this area and it is anticipated that these developments will be started within the planning window. This tank would be used to serve development in this area. This plan uses a recommended storage capacity of 2,000,000 gallons and anticipates that the tank will be located in a similar area and elevation as the Sandhill Tank 1. As these developments progress further along the planning stages it is recommended that the size and location of this tank be reevaluated.

These recommended storage improvements are summarized in Figure IV-5. Appendix D includes an exhibit showing the location of these improvements.

Figure IV-6: Summary of Recommended Storage Improvements

Proposed Tank	Available Storage	Recommended Elev. (ft)	Est. Installation Date
Sandhill Tank 1	2,000,000	5,340	2025
Trailhead Tank	500,000	5,270	2034
South Concrete Tank	1,000,000	5,160	2035
Sandhill 2 Tank	2,000,000	5,340	2038
Total Projected New Storage	5,500,000		

F. STORAGE CAPACITY SUMMARY

Figure IV-7 and Figure IV-8 show the comparison between the available storage capacity and the projected required storage capacity. The available storage capacity in Figure IV-8 represents the storage capacity available with the implementation of the recommended improvements.

Figure IV-7: Projected Storage Capacity with Existing Conditions

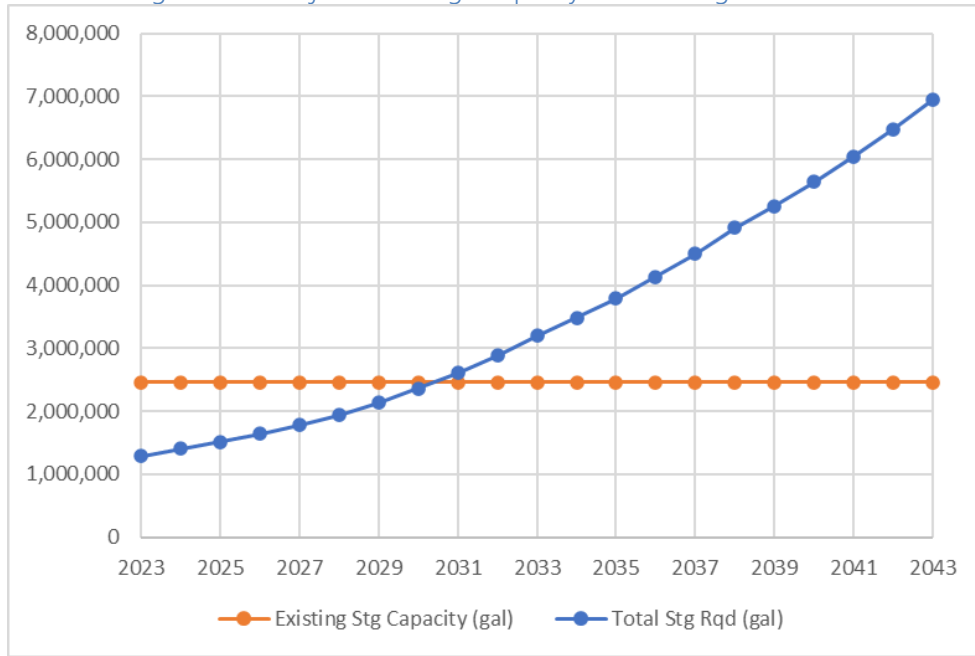
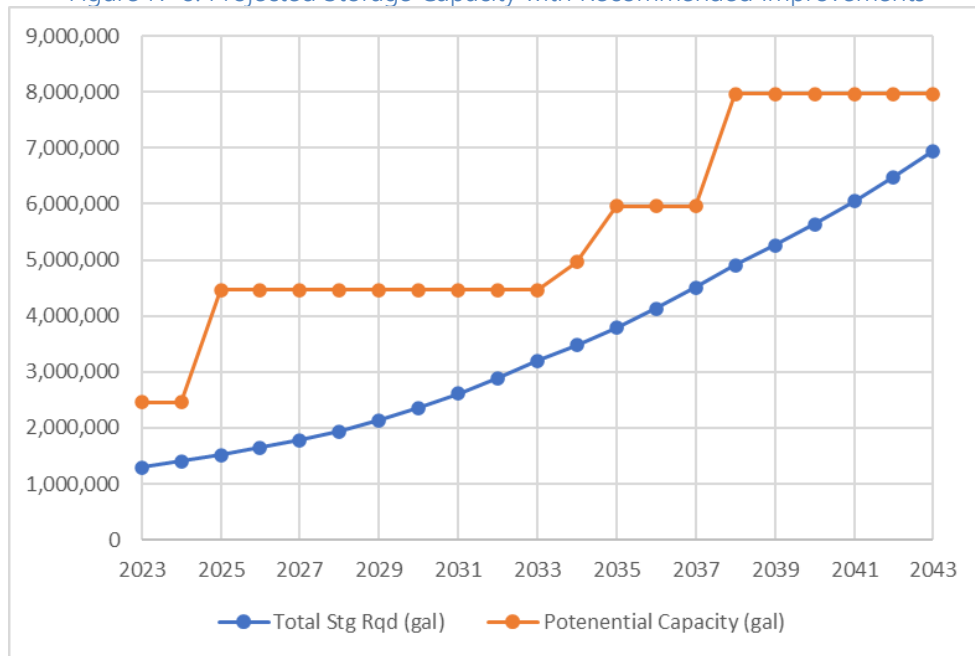


Figure IV-8: Projected Storage Capacity with Recommended Improvements



V. WATER TREATMENT REQUIREMENTS AND ANALYSIS

A. GENERAL REQUIREMENTS

The State of Utah Public Drinking Water Regulations, in accordance with the National Safe Drinking Water Act, have adopted “primary” regulations for the protection of public health and “secondary” regulations related to taste and aesthetics. The regulations recommend that all culinary water sources have provisions for continuous disinfection. Hildale and Colorado City have a culinary water treatment facility to treat the existing wells to meet the State’s requirements.

B. EXISTING TREATMENT FACILITIES

The existing culinary water treatment plant uses a greensand filtration process which includes pretreating the water with potassium permanganate. The plant contains 6 pressure vessels designed to operate in parallel and treat 2,400 gpm. However, based on available data and communicating with system staff, the plant has demonstrated a functional capacity to treat approximately 2,000 gpm. The treatment plant needs to be able to treat more than the PDD so the system doesn’t run out of water. Figure V-1 below shows how the treatment plant capacity compares to the PDD.

Figure V-1: Required Treatment Capacity (Existing Conditions)

Total Required Source Capacity (PDD)	1,700 gpm
Total Existing Treatment Capacity	2,000 gpm
Existing Source Capacity Surplus	300 gpm

C. PROJECTED WATER TREATMENT CAPACITY

As the communities continue to grow, the demands on the system will grow as well. The treatment plants will need to accommodate the increasing PDD. Below is a summary of the projected treatment capacity in relation to future treatment requirements.

Figure V-2: Projected Required Treatment Capacity (5-Year Planning Window)

Total Required Source Capacity (PDD)	2,440 gpm
Total Projected Treatment Capacity	2,000 gpm
Existing Treatment Capacity Deficit	-440 gpm

Figure V-3: Projected Required Treatment Capacity (10-Year Planning Window)

Total Required Source Capacity (PDD)	4,190 gpm
Total Projected Treatment Capacity	2,000 gpm
Existing Treatment Capacity Deficit	-2,190 gpm

Figure V-4: Projected Required Treatment Capacity (20-Year Planning Window)

Total Required Source Capacity (PDD)	9,397 gpm
Total Projected Treatment Capacity	2,000 gpm
Existing Treatment Capacity Deficit	-7,397 gpm

The existing treatment plant will not be able to treat enough water beyond the 5-year planning window. Improvements will need to be made to expand the treatment capacity in the near future.

D. RECOMMENDED WATER TREATMENT FACILITY IMPROVEMENTS

As mentioned before, the treatment plant has a surplus under existing conditions but will need to be improved within the next few years. The following recommendations are made to improve the treatment capacity:

1. 1 TO 5 YEAR IMPROVEMENTS

- Raw Water Transmission Line - The raw water transmission lines which carry water from the wells to the treatment plant should be improved. These lines are old, undersized, and have iron and other mineral deposits adhering to the pipe. It is possible the amount of flow going to the treatment plant is restricted by these deposits. This project is a part of the Mohave County ARPA Water project and it is currently in the design phase. It is recommended that a new 12" transmission line be installed in Richard St. to convey water from the wells south of the treatment plant. It is also recommended that access points be installed that allow water operators to flush and clean out the lines on the new line and on the remaining existing raw water lines.
- Small Treatment Plant – The treatment capacity needs to be increased within the 5-year planning window, so it is recommended that a new treatment plant be constructed. This plant is recommended to treat approximately 1,600 gpm. There is no specific location selected for this plant, however it is recommended that it be built near the Power Plant well so that it can be incorporated into the culinary water system.

2. 6 TO 10 YEAR IMPROVEMENTS

- There are no recommended improvements for this planning period.

3. 11 TO 20 YEAR IMPROVEMENTS

- Additional Treatment Capacity Phase I - With the previous plant implemented, the treatment facilities will again be at a deficit again in the 11-20-year window. An additional 3,000 gpm will need to be added. This can be accomplished by either expanding the previous plant or building an entirely new plant. For planning purposes this report assumes

that a new treatment plant will be constructed. There is no location selected for a new plant, but once a well site study has been completed, it's recommended that the location be central to the additional wells that are constructed.

- Additional Treatment Capacity Phase II – In this planning window, an additional 3,000 gpm is necessary to be able to treat enough water for the system. There is no direct recommendation for this, however some options include improving the existing plant, expanding upon the Phase I Improvements, or constructing a new plant. The EOPC in Appendix C shows the cost of constructing a new plant.

This plan only identifies the deficit in treatment capacity and recommends general projects to make up the deficit. It does not include a detailed analysis or evaluation of treatment options or equipment.

E. TREATMENT CAPACITY SUMMARY

Figure V-5 and Figure V-6 show the comparison between the available treatment capacity and the projected required treatment capacity. The available treatment capacity in Figure V-6 represents the treatment capacity available with the implementation of the recommended improvements.

Figure V-5: Projected Required Treatment Capacity

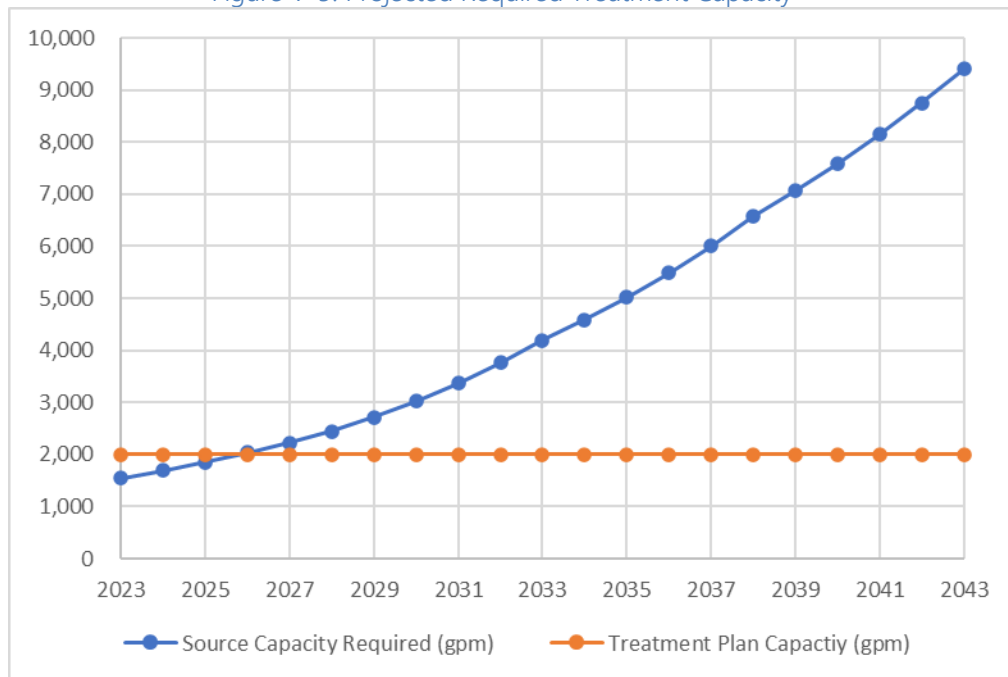
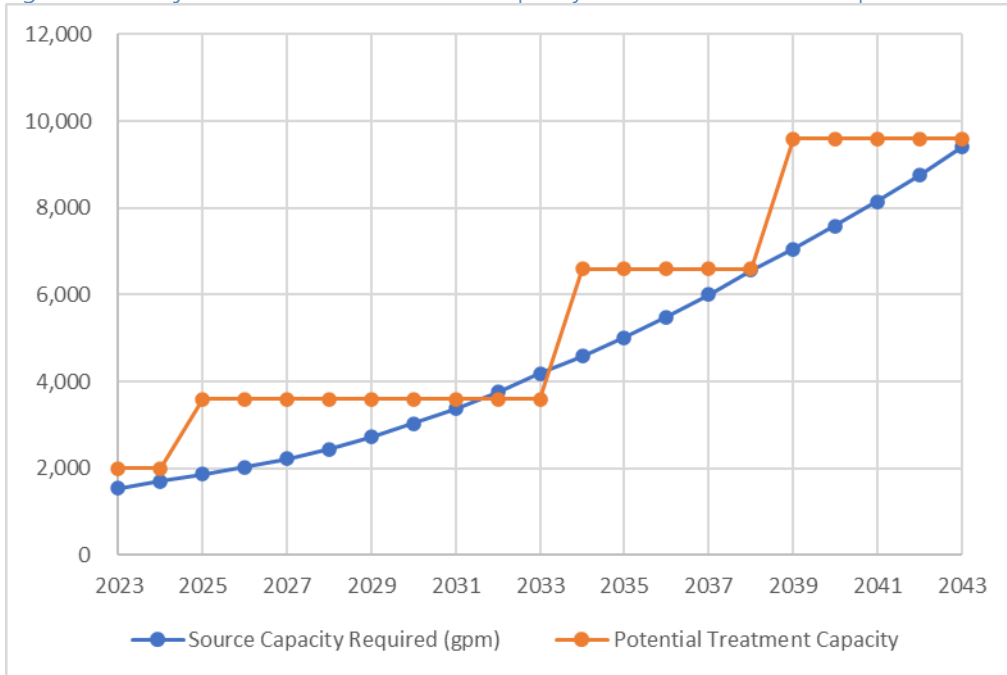


Figure V-6: Projected Available Treatment Capacity with Recommended Improvements



VI. WATER DISTRIBUTION SYSTEM ANALYSIS

The State of Utah Public Water Regulations, R309-105-9, states three pressure conditions which must be met to demonstrate adequate service capacity of a system. These conditions are:

- At least 40 psi must be retained as residual pressure in the distribution system under a Peak Day Demand (PDD).
- At least 30 psi must be retained as residual pressure in the distribution system under Peak Instantaneous Demand (PID)
- At least 20 psi must be retained as residual pressure in the distribution system under PDD plus fire flow conditions.

A. EXISTING DISTRIBUTION SYSTEM ANALYSIS

The existing PDD and PID were calculated in Section II. These flows are shown below:

- PDD – 1,692 gpd/ERU = 1,699 gpm with the existing number of ERUs
- PID – 2,446 gpm

As mentioned in Section IV.B, this report uses a fire flow of 1,500 gpm.

The existing Hildale and Colorado City culinary water distribution system has been modeled using the computer program WaterGEMS by Bentley Systems, Inc. For the existing system network there are areas which provide less than the required 40 psi of pressure for PDD, areas that provide less than 30 psi for PID, and areas that do not provide adequate fire flow. For the most part, the deficiencies in each of these requirements fall in the same areas of the system. Exhibits showing the areas of low pressure and fire flow are found in Appendix D. Below is a summary of these areas:

- Northwest Hildale (area between Utah Avenue and the Elm Street tank) – This area suffers from poor fire flow, lack of hydrants, and low pressure during PDD and PID. Fire flows in this area have been modeled as low as 253 gpm during PDD. This is largely the result of proximity to the elevation of the Elm St. tank. Pressures during PDD and PID are as low as 17 psi and 14 psi respectively.
- Northeast Hildale (area north of Jessop Avenue and west of Carlin Street) – This area suffers from poor fire flow, lack of hydrants, and low pressure during PDD and PID. Fire flows in this area have been modeled as low as 175 gpm during PDD. This is largely the result of proximity in elevation to the tanks, smaller line sizes, and lack of looping. Pressure during PDD and PID are as low as 27 psi and 21 psi respectively.
- East Colorado City (Between Edson Avenue and E Johnson Avenue) – This area suffers from poor fire flow and slightly low pressures during PDD and PID scenarios. Fire Flows

have been modeled as low as 544 gpm during PDD. This is largely due to the elevation of the area being too close to the same elevation of the existing tanks.

B. PROJECTED DISTRIBUTION SYSTEM ANALYSIS

The projected distribution system analysis is performed using the same assumptions as in the existing system analysis, except that the projected number of connections for the 20-year planning window is inserted into the calculations. The results of this calculation for both PDD and PID are shown below:

- PDD – 1,531 gpd/ERU = 9,387 gpm with the projected number of ERUs
- PID – 11,412 gpm

The same water model that was used to examine the existing distribution system was used to analyze the scenarios of the projected system at the end of the 20-year window. With the relatively high projected growth rate, according to the model, the entire system does not meet the requirements of R309-105-9. The recommended improvements in Section V.D and Section VI.D and are intended to keep the system in compliance with the state code at the end of the 20-year planning window.

C. FIRE HYDRANTS

State regulations require all new fire hydrants to be served from 8" diameter or larger pipelines unless it can be proven through the use of modeling that 6" lines are sufficient. There are several existing hydrants in the system that are on 6" or smaller pipes.

Utah state requirements also state that hydrants must be placed so no structure is further than 250 feet away from a hydrant. This means that generally, hydrants should be placed no more than 500 feet away from each other. There are numerous locations throughout the system where additional fire hydrants are needed to meet the required spacing.

D. RECOMMENDED DISTRIBUTION SYSTEM IMPROVEMENTS

From the system deficiencies observed in the analysis, this plan recommends the following improvements:

1. 1 TO 5 YEAR IMPROVEMENTS

- Fire Hydrants – Install additional fire hydrants to meet the minimum required spacing. In placing these new hydrants, some smaller lines will need to be replaced with 8" lines to meet the requirements mentioned above. It is recommended that this project replace all

undersized lines which are not already included in the other improvements. This project would help bring the system into compliance with fire flow requirements.

- Upper Pressure Zone Improvements – Install a new 8" diameter water main on Jessop Avenue and Newell Avenue from Juniper Street to Redwood Street. This will provide looping and help create the pressure zone that will be implemented with the new Sandhill Tank 1. This project involves disconnecting 6 North/South lines in Utah Avenue so all flow going south will flow through one PRV connecting the two pressure zones.
- Northwest Hildale Transmission Line – As mentioned in previous sections, Hildale City has recently annexed new land west of the current city boundary. Currently there is no water infrastructure in place to provide water to this area. A transmission line would need to be installed from the Sandhill 1 tank west to the new development areas. This plan assumes that this would need to be a 16" line from Sandhill Tank 1 to the edge of the new annexation area.
- Canyon Street Line – Install a new 8" water main in Canyon Street from Memorial Street to Newell Avenue. This would provide looping to the northeast Hildale area and help mitigate some of the low pressures and low fire flows. This water main would also act as a trunkline for delivering water from the new wells in the Hildale Groundwater Project and the Trailhead Wells.

2. 6 TO 10 YEAR IMPROVEMENTS

- Hildale Street Line – Install a new 8" water main along Hildale Street from Academy Avenue to Cooke Avenue. This will provide looping to northern Colorado City and provide an additional line crossing the river.

3. 11 TO 20 YEAR IMPROVEMENTS

- Southwest Hildale Transmission Line – As the area west of Hildale City is developed, an additional transmission line should be constructed to provide additional looping to the system. The size and exact location of this line will depend on the timing and location of new development in the west side of the city. Depending on how the area develops, it is possible that this project will be installed in the earlier planning window instead of the Northwest Hildale Transmission Line.
- Transmission Line to Airport – Install a new 12" line extending south on Township Avenue towards the airport. The purpose of this line is to provide water service to potential commercial and industrial developments.

These recommended improvements are summarized in Figure VI-1. Appendix D includes an exhibit showing the location of these improvements.

Figure VI-1: Summary of Recommended Distribution Improvements

Proposed Improvement	Est. Installation Date
Fire Hydrant Project	2024
Upper Pressure Zone Improvements	2026
Canyon Street Line	2028
Northwest Hildale Transmission Line	2028
Hildale Street Line	2030
Southwest Hildale Transmission Line	2040
Transmission Line to Airport	2042

VII. WATER AVAILABILITY

A major concern for the community is long term availability of their water source. With the ongoing drought, this is a concern for most, if not all, communities in the surrounding counties. The following are ideas that the city could investigate to potentially lengthen the availability of water in the area. These ideas are not recommended improvements but starting points for future conversations.

A. WATER CONSERVATION PROGRAM

Implementing a water conservation program is a good way to reduce current water usage and prolong water availability as well as defer the need for some water infrastructure improvements. A conservation program is cheap in that it does not require any construction of infrastructure prior to implementation. Below is a potential list of items that could be included in such a program:

- Provide education on how much water local grasses and trees require and encourage residents to limit outdoor watering to not exceed what is needed.
- Perform a “water audit” on city owned irrigation to determine if outdoor water use could be reduced on city owned property.
- Look into capturing rainwater for outdoor watering. (This would require some investigation on how much water Utah and Arizona will allow to be captured and used)
- Provide incentives for residents to change their existing landscaping to something which requires less water such as Xeriscape.
- Add water conservation language in the Building and Zoning Codes

B. CONSTRUCTION WATER

Currently construction water is typically obtained from fire hydrants. This means that the construction in town typically uses culinary water for construction. This may not be a major usage of the culinary water system, but there may be some inexpensive options to provide non culinary grade water for use as construction water.

The Power Plant Well is currently unavailable for use in the culinary water system. This well could be set up with a connection to provide non culinary grade construction water. While this option does alleviate some strain from the culinary water system, it is still using the same aquifer (source) that the culinary water system is using.

C. RECYCLE BACKWASH WATER AT TREATMENT PLANT

Part of the process of the existing treatment plant includes backwashing the filters occasionally with clean, culinary grade water. Currently the backwash water is sent into the sewer system which is common in many similar plants. It is possible to capture the backwash water, reuse a portion of it, and send it back through the plant. This option saves a minimal amount of water, backwashes do not happen frequently, and they do not use a large amount of water per backwash. However,

this adjustment would save water and should be considered when making future improvements to the treatment facility.

D. SECONDARY WATER SYSTEM

Implementing a secondary water system would be a major benefit to the culinary water system. A secondary system in Hildale and Colorado City would reduce the culinary water use by roughly 40%. This reduction would greatly help with the deficiencies discussed in previous sections of this plan. However, constructing a new water system from the ground up is not cheap, and the added irrigation user rate needed to implement a new system would increase most customer water bills. It is possible to install a complete system in phases or install a small system just for parks or specific high outdoor use areas.

E. WASTEWATER REUSE

Treating wastewater for reuse is an option that would provide more water which is not coming from the same sources as the culinary water system. Treating wastewater sufficiently to be used for human consumption is very expensive and not likely practical for Hildale and Colorado City. However, reuse could be used for things such as construction water or irrigation for parks and agriculture that is not for human consumption. Treatment to this level is cheaper and may provide a cost-effective alternative for the city.

F. INSTALLING AUTOMATIC METERING

Installing instant read smart meters in the system would provide multiple benefits such as providing accurate usage data, acting as a leak detection system, and educating water users on their usage to encourage conservation. Smart metering can record usage to provide actual data for finding the ADD, PDD, and PID.

VIII. SUMMARY OF RECOMMENDED IMPROVEMENTS

A. PRIORITY OF IMPROVEMENTS

Figure VIII-1 shows a summary of the proposed improvements with the estimated cost for the project in today's dollars, the estimated year the improvements will be installed and the estimated cost of the project accounting for inflation. This plan uses an assumed inflation rate of 3%.

Figure VIII-1: Summary of Recommended Improvements

Project	Cost Estimate	Est Year of Installation	Cost Estimate With Inflation
Source Improvements			
Treatment Plant Wells	\$ 1,288,700	2024	\$ 1,327,400
5 Year Arizona Well Field	\$ 3,333,400	2024-2028	\$ 3,642,500
5 Year Utah Well Field	\$ 6,923,700	2024-2028	\$ 7,565,700
10 Year Arizona Well Field	\$ 3,809,600	2029-2033	\$ 4,970,700
10 Year Utah Well Field	\$ 7,912,800	2029-2033	\$ 10,324,400
Trailhead Well 1	\$ 2,445,300	2034	\$ 3,384,900
Trailhead Well 2	\$ 1,713,100	2034	\$ 2,371,300
Hildale Groundwater Project PH I	\$ 3,793,500	2035	\$ 5,408,600
Hildale Groundwater Project PH II	\$ 4,220,100	2036	\$ 6,197,400
Hildale Groundwater Project PH III	\$ 3,105,400	2040	\$ 5,132,800
20 Year Arizona Well Field	\$ 6,666,800	2033-2042	\$ 11,690,300
20 Year Utah Well Field	\$ 13,847,400	2033-2042	\$ 24,281,500
Source Subtotal	\$ 59,059,800		\$ 86,297,500
Storage Improvements			
Sandhill Tank 1	\$ 5,938,100	2025	\$ 6,299,700
Trailhead Tank	\$ 2,875,500	2034	\$ 3,980,400
South Concrete Tank	\$ 4,432,500	2035	\$ 6,319,700
Sandhill Tank 2	\$ 6,475,100	2038	\$ 10,088,000
Storage Subtotal	\$ 19,721,200		\$ 26,687,800
Treatment Improvements			
Raw Water Transmission Line	\$ 1,092,500	2024	\$ 1,125,300
Small Treatment Plant (1,600 gpm)	\$ 5,904,800	2025	\$ 6,264,400
Additional Treatment Capacity PH1	\$ 8,739,000	2034	\$ 12,096,800
Additional Treatment Capacity PH2	\$ 10,312,200	2039	\$ 16,548,100
Treatment Subtotal	\$ 19,051,200		\$ 36,034,600
Distribution Improvements			
Fire Hydrant Project	\$ 1,733,500	2024	\$ 1,785,500
Upper Pressure Zone Improvements	\$ 846,500	2026	\$ 925,000
Canyon St. Line	\$ 388,900	2028	\$ 450,800
Northwest Hildale Transmission Line	\$ 1,977,400	2028	\$ 2,292,300
Hildale St. Line	\$ 454,390	2030	\$ 558,800
Southwest Hildale Transmission Line	\$ 903,800	2040	\$ 1,493,800
Transmission Line to Airport	\$ 2,039,350	2042	\$ 3,576,000
Distribution Subtotal	\$ 8,343,840		\$ 11,082,200
Grand Total	\$ 106,176,040.00		\$ 160,102,100.00

The detailed cost estimate for each project is located in Appendix C.

IX. POSSIBLE FINANCING PLAN

The purpose of this possible finance plan is to show what a funding plan may look like to pay for the projects recommended for 2024. The city may also choose to complete the improvements in separate smaller projects. The projects are assumed to be paid with loan and grant money. It should be noted that agencies may require some amount of self-participation in order to provide funding. This plan assumes a 10% self-participation match.

Figure IX-1 outlines a possible financing plan from the Utah Division of Drinking Water (DDW). This plan assumes 20% of the funding from DDW will be grant and 70% will be loan with the remaining 10% as self-participation. The loan is assumed to be at a 4% interest rate and payback term of 20 years. It is possible a lower interest rate or higher portion of grants will be available. It is recommended that as the city prepares to start this project they contact DDW and other funding agencies such as the Water Infrastructure Finance Authority of Arizona, US Department of Agriculture - Rural Development, or the Utah Community Impact Board to determine what funding is available and where they can get the best financing terms.

The possible financing plan shown in Figure IX-1 results in an annual loan payment of \$224,525. This annual payment along with other O&M expenses for the water system, would require an average monthly charge for culinary water user rates to be \$51.35 per ERU.

The city is looking into adjusting their culinary water impact fees. A majority of the recommended improvements in this plan are fully or partially Impact Fee eligible. Collecting impact fees would help to fund the recommended improvements.

Figure IX-1: Possible Financing plan

HILDALE CITY/TOWN OF COLORADO CITY					
POSSIBLE FINANCING PLAN 2024 projects					
Total Project Cost (Construction + Professional Services):					\$ 4,238,200
Proposed Funding:	% of Proj.	Rate	Term	Principal	Est. Payment
Self Participation	10%			\$ 423,820.00	
DDW Grant	20%			\$ 762,876.00	
DDW Loan	70%	4.00%	20	\$ 3,051,504.00	\$224,535.01
TOTAL PROJECT ANNUAL PAYMENT (2023):					\$224,535.00
O&M EXPENSES: (First Year of New Debt Service Payment)					
Office Expenses and Travel				\$ 38,867.63	
Repairs and Maintenance				\$ 375,825.72	
Utilities				\$ 189,954.97	
Legal and Professional Fees				\$ 68,482.00	
Renewal and Replacement Fund				\$0	
Interest Income				\$ (5,962.58)	
Subtotal Expenses:					\$667,168
EXISTING DEBT SERVICE					
Existing Debt Service					\$0
Subtotal Existing Annual Debt Service:					\$0
GRAND TOTAL EXPENSES:					\$891,703
ANNUAL INCOME					
Impact Fees Expended for 2023 Projects				\$ -	
Total Number Of ERU					1,447
Average Monthly Water User Rate/ERU					\$51.35
Charges for Services, Fees, etc.					\$891,703
GRAND TOTAL INCOME:					\$891,703

X. IMPACT FEE ANALYSIS

This plan constitutes an Impact Fee Facilities Plan (IFFP) and Impact Fee Analysis (IFA) for the Hildale City and Town of Colorado City culinary water system and identifies the existing demands on the system as well as future demands which will be placed on the system due to growth. A community may charge an impact fee to provide funding for the projects required by this growth. The total cost that is eligible for the impact fee assessment is equal to the portion of a planned project in the planning window that is attributed or caused by growth. The combined costs of these projects are divided by the projected number of new ERUs that will be added to the system. Impact fees can also cover debt service that is incurred by projects that provide excess capacity to be used for growth.

While this master plan uses a planning window of 20 years, the IFFP & IFA use a planning window of 10 years encompassing the start of 2024 to the end of 2033. This shorter window is based on regulations on impact fee collection and use. Impact fees must be encumbered within six years of their receipt according to Utah State Impact Fee law and within 10 years of receipt according to Arizona State Development Fee law. This plan accounts for all incoming fees to be encumbered for eligible projects and debts in the continuous six-year window to satisfy the more stringent law.

A. EXISTING IMPACT FEES

Currently, neither community charges a culinary water Impact Fee.

B. LEVEL OF SERVICE

Impact Fee laws prohibit the use of Impact Fees to increase the level of service beyond that which is currently provided. This requires a determination of the existing level of service upon which to base future improvements. The existing level of service provided by the culinary water system, and which was used to evaluate the system in previous sections of the report, is the Utah State Code minimum sizing requirements.

C. PROPORTIONATE SHARE ANALYSIS

Impact fee laws in Utah and Arizona require that only that portion of the facility, whether existing, new, or future, that is required for growth may be included in the impact fee calculations. A proportionate share analysis must be made of all the facilities to determine a reasonable and logical ratio of cost for each improvement.

1. WATER SOURCE

The analysis in Section III shows that the existing system has a source capacity deficit of 465 gpm. Because this is an existing deficiency, the recommended improvements that fix this deficiency are not impact fee eligible. It is anticipated that the deep and shallow treatment plan wells are projected to provide 200 gpm which is less than the existing deficit of 465 gpm and therefore

are considered non-impact fee eligible. The 5-Year well field for Utah and Arizona combined are projected to provide 1,680 gpm. This will bring the capacity above the 465 deficit and provide an additional 1,435 gpm. The additional 1,435 gpm above the existing capacity deficit is additional source capacity that is needed for the projected growth and therefore impact fee eligible. This results in both the 1-5 Year Arizona Well Field and 1-5 Year Utah Well Field projects being 84.3% impact fee eligible.

All of the other wells projects within the 10 year planning period provide additional source that is needed for the projected growth and are considered 100% impact fee eligible. This includes the following projects:

- 10 Year Arizona Well Field
- 10 Year Utah Well Field

2. WATER STORAGE

Only one water storage project is in the 10-year planning window, Sandhill Tank 1. The storage that is provided by this tank is needed for the projected growth. Therefore, the tank is considered 100% impact fee eligible.

3. WATER TREATMENT

The Raw Water Transmission Line is an improvement recommended in the water treatment section. This project helps with the operation and maintenance of the raw water line to the existing treatment plant and does not provide additional treatment capacity. Because this project does not provide any additional treatment capacity needed for the projected growth it is not considered impact fee eligible.

This plan has one recommended improvement to water treatment that will add to the treatment capacity. The Small Treatment Plant provides additional treatment capacity that is needed for the projected growth and is considered 100% impact fee eligible.

4. WATER DISTRIBUTION

A majority of the proposed water distribution projects in the 10-year planning period serve to improve the existing level of service for the system users or provide currently needed fire flows. These projects are not considered impact fee eligible. However, there are a few projects that would extend the service area to allow for growth in areas that currently do not have access to the water system and therefore are unable to be developed. These projects include the following:

- Upper Pressure Zone Improvements. – This project provides increased pressures for the existing units located north of Utah Avenue. This is an area that has historically had issues with low pressures and will fix an existing deficiency. However, this project also allows for the system to extend further north and allow for growth and development in new areas. Because this project fixes existing deficiencies and allows for the extension of the system it is considered 50% impact fee eligible.
- Northwest Hildale Transmission Line – This project extends the system northwest of Hildale and allows for areas to be developed that currently do not have access to the culinary water system. Because this project provides an area for growth to occur it is considered 100% impact fee eligible.

5. FUTURE PLANNING

It is recommended that the capital facilities plan be updated every five (5) years. Since this plan update falls within the 10-year planning period, it is 100% impact fee eligible.

D. ZONAL IMPACT FEES

For impact fees, Hildale and Colorado City each adopt their own impact fee ordinance for their corresponding communities. With the communities being in different states, they both have different Impact Fee laws that need to be followed for that ordinance. The recommended improvements also do not affect each community equally. Because of these factors the communities desire to establish a zonal impact fee with each community being its own zone with its own impact fee.

With the projected growth in the 10-year planning window, it is expected there will be an additional 2,417 ERUs added to the system. Based on information currently available regarding future developments, it is anticipated that more of the additional ERUs will be located in Hildale than in Colorado City. For this reason, it is assumed that 55% of the 2,417 ERUs will be in Hildale, resulting in 1,330 ERUs. The remaining 1,088 additional ERUs, or 45%, will be located in Colorado City.

The Impact Fee Analysis will establish the impact fee eligible cost for each of the eligible projects and that cost will be divided amongst both zones based on the percentage of benefit that project provides to each zone.

E. IMPACT FEE ANALYSIS

The total cost that is eligible for the impact fee assessment is equal to the portion of any planned water improvements project that will be constructed in the next 10 years to accommodate new growth. The combined total cost that is due to new growth is divided by the projected number of new ERUs that will be added to the system.

It is recommended that Hildale City and the Town of Colorado City begin charging impact fees per ERU. Figure X-1 shows the maximum allowable impact fee per ERU for each zone. Should a lower impact fee be adopted, the remaining construction cost deficit would need to be funded through other means. Appendix E contains the analysis performed to determine the impact fee.

Figure X-1: Maximum Zonal Impact Fee

Zone	Max Allowable IF
Hildale	\$ 12,580
Colorado City	\$ 11,807

It is important to note that these impact fees are for the improvements summarized in this Plan and do not provide for the city to design and build anything beyond the proposed projects. All new additions to the system will need to be considered in the impact fee calculations. Otherwise, the developer should be required to make the improvements.

F. IMPACT FEE CERTIFICATION

In general, it is beneficial to update this impact fee facilities plan and analysis at least every five years, or more frequently if drastic growth or changes affect the assumptions and data in this plan. It is assumed that this plan will be updated as recommended.

There are items relating to impact fees that Hildale City and the Town of Colorado City must consider when planning for, collecting, and expending impact fees in accordance with Utah Code 11-36a-101 and Arizona Code 9-463.05.

Staff from each community must understand that impact fees can only be expended for a system improvement that is identified in the Impact Fee Facilities Plan and that is for the specific facility type for which the fee was collected. Impact fees must be expended or encumbered for permissible use within six years of their receipt unless Utah Code 11-36a-602(2)(b) applies. Also, impact fees must have proper accounting (track each fee in and out) in accordance with Utah Code 11-36a-601 and Arizona Code 9-463.05.

In accordance with Utah Code 11-36a-306 a certification of impact fee analysis is in Appendix F.

APPENDIX A

Growth Rate Analysis

Population & Growth Rate								
Calendar Year	Est. Growth Rate	Hildale Population	Colorado City Population	Total Population	Hildale Connections	Colorado City Connections	Total Connections	Number of ERUs
2023		3,224	5,358	8,582	435	790	1,224	1,315
2024	10.0%	3,547	5,894	9,440	478	869	1,347	1,446
2025	10.0%	3,901	6,483	10,384	526	956	1,481	1,591
2026	10.0%	4,291	7,132	11,423	578	1,051	1,630	1,750
2027	10.0%	4,720	7,845	12,565	636	1,156	1,792	1,925
2028	10.0%	5,192	8,629	13,822	700	1,272	1,972	2,117
2029	12.0%	5,816	9,665	15,480	784	1,425	2,208	2,371
2030	12.0%	6,513	10,825	17,338	878	1,596	2,473	2,656
2031	12.0%	7,295	12,124	19,419	983	1,787	2,770	2,974
2032	12.0%	8,170	13,578	21,749	1,101	2,001	3,103	3,331
2033	12.0%	9,151	15,208	24,359	1,233	2,242	3,475	3,731
2034	10.0%	10,066	16,729	26,794	1,357	2,466	3,822	4,104
2035	10.0%	11,073	18,401	29,474	1,492	2,712	4,205	4,514
2036	10.0%	12,180	20,241	32,421	1,641	2,984	4,625	4,966
2037	10.0%	13,398	22,266	35,663	1,806	3,282	5,088	5,462
2038	10.0%	14,738	24,492	39,230	1,986	3,610	5,596	6,009
2039	8.0%	15,917	26,452	42,368	2,145	3,899	6,044	6,489
2040	8.0%	17,190	28,568	45,758	2,317	4,211	6,528	7,008
2041	8.0%	18,565	30,853	49,418	2,502	4,548	7,050	7,569
2042	8.0%	20,050	33,321	53,372	2,702	4,912	7,614	8,175
2043	8.0%	21,654	35,987	57,641	2,918	5,305	8,223	8,829

APPENDIX B

Water Use Analysis

Year	Total Usage (Thousand Gallons)	Number of Connections	Usage per Conn (gpd/conn)	Number of ERUs	Usage per ERU (gpd/ERU)
2018	303,105	863	962	848	979
2019	251,780	763	904	806	856
2020	285,109	799	978	855	914
2021	279,736	855	896	924	829
2022	309,026	1,113	761	1,195	708
5-Year Avg:	285,751	879	900	925	846
This Master Plan will use a historic daily usage of 846 gpd/ERU					

Peak Instantaneous Demand Calculations (State)			
Indoor Peak Instantaneous Demand			
Q=	$10.8 \times N^{.64}$		N= No. of ERU
2024	Q=	1,138	gpm
	Q=	1,132	gpd/ERU
Outdoor Peak Instantaneous Demand			
Irrigation Zone 5 =		9.04	gpm/Irrigated Acre
Irrigated Acres /ERU		0.1	Irrigated Acres/ERU
Q=	Irr Acres/ERU X Irr Zone Factor X No. ERU		
Example:			
2023	Q=	1,308	gpm

Current & Projected Required Source Capacity

Year	# of ERU	Percent Reduction In Usage Per ERU	Peak Day Usage (gpd/ERU)	Source Capacity Required (gpm)	Existing Source Available (gpm)	Treatment Plan Capacity (gpm)	Source Capacity Surplus/Deficit (gpm)
2023	1,315	0.0%	1,692	1,545	1,234	2,000	(311)
2024	1,447	0.0%	1,692	1,700	1,234	2,000	(466)
2025	1,592	0.5%	1,684	1,861	1,234	2,000	(627)
2026	1,751	1.0%	1,675	2,037	1,234	2,000	(803)
2027	1,926	1.5%	1,667	2,229	1,234	2,000	(995)
2028	2,119	2.0%	1,658	2,440	1,234	2,000	(1,206)
2029	2,373	2.5%	1,650	2,719	1,234	2,000	(1,485)
2030	2,658	3.0%	1,641	3,029	1,234	2,000	(1,795)
2031	2,977	3.5%	1,633	3,376	1,234	2,000	(2,142)
2032	3,334	4.0%	1,624	3,761	1,234	2,000	(2,527)
2033	3,734	4.5%	1,616	4,190	1,234	2,000	(2,956)
2034	4,107	5.0%	1,607	4,584	1,234	2,000	(3,350)
2035	4,518	5.5%	1,599	5,017	1,234	2,000	(3,783)
2036	4,970	6.0%	1,590	5,489	1,234	2,000	(4,255)
2037	5,467	6.5%	1,582	6,006	1,234	2,000	(4,772)
2038	6,014	7.0%	1,574	6,572	1,234	2,000	(5,338)
2039	6,495	7.5%	1,565	7,059	1,234	2,000	(5,825)
2040	7,015	8.0%	1,557	7,583	1,234	2,000	(6,349)
2041	7,576	8.5%	1,548	8,145	1,234	2,000	(6,911)
2042	8,182	9.0%	1,540	8,749	1,234	2,000	(7,515)
2043	8,837	9.5%	1,531	9,397	1,234	2,000	(8,163)

$$\text{Required Source Capacity} = \#ERU \times \frac{\text{gpd}}{\#ERU} \times \frac{1 \text{ Day}}{24 \text{ hr}} \times \frac{1 \text{ hr}}{60 \text{ min}}$$

Storage Capacity Analysis								
Year	Number of ERUs	Percent Reduction In Usage Per ERU	Avg. Usage (gpd/ERU)	Storage Required (gal)	Fire Flow Stg Rqd (gal)	Existing Stg Capacity (gal)	Total Stg Rqd (gal)	Storage Capacity Surplus/Deficit (gal)
2023	1315	0.0%	846	1,112,490	180,000	2,460,000	1,292,490	1,167,510
2024	1447	0.0%	846	1,224,162	180,000	2,460,000	1,404,162	1,055,838
2025	1592	0.5%	842	1,340,098	180,000	2,460,000	1,520,098	939,902
2026	1751	1.0%	838	1,466,533	180,000	2,460,000	1,646,533	813,467
2027	1926	1.5%	833	1,604,955	180,000	2,460,000	1,784,955	675,045
2028	2119	2.0%	829	1,756,821	180,000	2,460,000	1,936,821	523,179
2029	2373	2.5%	825	1,957,369	180,000	2,460,000	2,137,369	322,631
2030	2658	3.0%	821	2,181,208	180,000	2,460,000	2,361,208	98,792
2031	2977	3.5%	816	2,430,393	180,000	2,460,000	2,610,393	-150,393
2032	3334	4.0%	812	2,707,741	180,000	2,460,000	2,887,741	-427,741
2033	3734	4.5%	808	3,016,811	180,000	2,460,000	3,196,811	-736,811
2034	4107	5.0%	804	3,300,796	180,000	2,460,000	3,480,796	-1,020,796
2035	4518	5.5%	799	3,612,005	180,000	2,460,000	3,792,005	-1,332,005
2036	4970	6.0%	795	3,952,343	180,000	2,460,000	4,132,343	-1,672,343
2037	5467	6.5%	791	4,324,452	180,000	2,460,000	4,504,452	-2,044,452
2038	6014	7.0%	787	4,731,695	180,000	2,460,000	4,911,695	-2,451,695
2039	6495	7.5%	783	5,082,662	180,000	2,460,000	5,262,662	-2,802,662
2040	7015	8.0%	778	5,459,915	180,000	2,460,000	5,639,915	-3,179,915
2041	7576	8.5%	774	5,864,506	180,000	2,460,000	6,044,506	-3,584,506
2042	8182	9.0%	770	6,298,995	180,000	2,460,000	6,478,995	-4,018,995
2043	8837	9.5%	766	6,765,872	180,000	2,460,000	6,945,872	-4,485,872

$$\text{Required Storage Capacity} = \#ERU \times \frac{\text{gpd}}{\#ERU} + \text{Fire Flow (1,500gpm)} \frac{60 \text{ min}}{1 \text{ hr}} \times 2 \text{ hr}$$

Water Distribution Analysis

Year	No. ERU	ADD (gpm)	PDD (gpm)	PID Indoor (gpm)	PID Outdoor (gpm)	PID Total (gpm)
2023	1,315	773	1,545	1,070	1,189	2,259
2024	1,447	850	1,700	1,138	1,308	2,446
2025	1,592	931	1,861	1,210	1,439	2,649
2026	1,751	1,018	2,037	1,286	1,583	2,869
2027	1,926	1,115	2,229	1,366	1,741	3,108
2028	2,119	1,220	2,440	1,453	1,916	3,368
2029	2,373	1,359	2,719	1,562	2,145	3,707
2030	2,658	1,515	3,029	1,679	2,403	4,082
2031	2,977	1,688	3,376	1,806	2,691	4,497
2032	3,334	1,880	3,761	1,941	3,014	4,955
2033	3,734	2,095	4,190	2,087	3,376	5,463
2034	4,107	2,292	4,584	2,219	3,713	5,931
2035	4,518	2,508	5,017	2,358	4,084	6,443
2036	4,970	2,745	5,489	2,507	4,493	7,000
2037	5,467	3,003	6,006	2,664	4,942	7,606
2038	6,014	3,286	6,572	2,832	5,437	8,269
2039	6,495	3,530	7,059	2,975	5,871	8,846
2040	7,015	3,792	7,583	3,125	6,342	9,467
2041	7,576	4,073	8,145	3,283	6,849	10,132
2042	8,182	4,374	8,749	3,449	7,397	10,845
2043	8,837	4,699	9,397	3,623	7,989	11,612

APPENDIX C

Engineers Opinion of Probable Cost

Engineer's Opinion of Probable Cost					
Treatment Plant Wells Project Location: Colorado City					18-Oct-23 BCW/tcd
NO.	DESCRIPTION	EST. QTY	UNIT	UNIT PRICE	AMOUNT
GENERAL CONSTRUCTION					
1	Mobilization	5%	LS	\$ 37,800.00	\$ 37,800.00
2	Pre-Construction DVD and Project Sign	1	LS	\$ 1,500.00	\$ 1,500.00
3	GeoPhysical Logging	1	LS	\$ 15,000.00	\$ 15,000.00
4	Disinfection and Capping	1	LS	\$ 4,000.00	\$ 4,000.00
5	Well Driller's Report	1	LS	\$ 2,500.00	\$ 2,500.00
6	Site Restoration	1	LS	\$ 10,000.00	\$ 10,000.00
7	Misc. Electrical Improvements	1	LS	\$ 15,000.00	\$ 15,000.00
DEEP WELL					
8	Conductor Casing	100	LF	\$ 400.00	\$ 40,000.00
9	20" Diameter Well Drilling	700	LF	\$ 123.00	\$ 86,100.00
10	12" Diameter Well Drilling - Pilot Hole	700	LF	\$ 160.00	\$ 112,000.00
11	12" Well Casing	600	LF	\$ 170.00	\$ 102,000.00
12	2" Galvanized Tremie Pipe	100	LF	\$ 40.00	\$ 4,000.00
13	Furnish and Install Pea Gravel	400	LF	\$ 115.00	\$ 46,000.00
14	Bentonite Packer	1	LS	\$ 6,000.00	\$ 6,000.00
15	Conductor Casing Removal	1	LS	\$ 8,000.00	\$ 8,000.00
16	Flow Meter	1	EA	\$ 10,000.00	\$ 10,000.00
17	Initial Well Development	40	HR	\$ 700.00	\$ 28,000.00
18	Install Pump for Development and Testing	1	LS	\$ 40,000.00	\$ 40,000.00
19	Well Development and Pumping	80	HR	\$ 700.00	\$ 56,000.00
20	Misc. Well and Pump Testing	1	LS	\$ 10,000.00	\$ 10,000.00
21	Well Head, Disinfection and Capping	1	LS	\$ 8,500.00	\$ 8,500.00
22	Well Pad and Pipping	1	LS	\$ 15,000.00	\$ 15,000.00
SHALLOW WELL					
23	Conductor Casing	1	LS	\$ 40,000.00	\$ 40,000.00
24	16" Diameter Well Drilling	120	LF	\$ 270.00	\$ 32,400.00
25	8" Well Casing	80	LF	\$ 100.00	\$ 8,000.00
26	8" Stainless Steel Screen	40	LF	\$ 300.00	\$ 12,000.00
27	2" Galvanized Tremie Pipe	20	LF	\$ 40.00	\$ 800.00
28	Instrument Pipe	120	LF	\$ 50.00	\$ 6,000.00
29	Furnish and Install Fine Silica Sand	120	LF	\$ 125.00	\$ 15,000.00
30	Bentonite Packer	1	LS	\$ 6,000.00	\$ 6,000.00
31	Conductor Casing Removal	1	LS	\$ 6,000.00	\$ 6,000.00
32	Sanitary Grout Seal	1	LS	\$ 150.00	\$ 150.00
33	Flow Meter	1	LS	\$ 10,000.00	\$ 10,000.00
34	Initial Well Development	40	HR	\$ 700.00	\$ 28,000.00
35	Install Pump for Development and Testing	1	LS	\$ 40,000.00	\$ 40,000.00
36	Well Development and Pumping	80	HR	\$ 700.00	\$ 56,000.00
37	Misc. Well and Pump Testing	1	LS	\$ 10,000.00	\$ 10,000.00
38	Well Head, Disinfection and Capping	1	LS	\$ 8,500.00	\$ 8,500.00
39	Well Pad and Pipping	1	LS	\$ 15,000.00	\$ 15,000.00
SUBTOTAL					\$ 951,250.00
				CONTINGENCY 20%	\$ 190,300.00
CONSTRUCTION TOTAL					\$ 1,141,600.00
INCIDENTALS					
1	Engineering Design	4.3%	LS	\$ 55,000.00	\$ 55,000.00
2	Bidding & Negotiating	0.6%	HR	\$ 7,500.00	\$ 7,500.00
3	Engineering Construction Services	3.7%	HR	\$ 47,600.00	\$ 47,600.00
4	Topographic & Property Survey	0.4%	EST	\$ 5,000.00	\$ 5,000.00
5	Permitting	0.8%	EST	\$ 10,000.00	\$ 10,000.00
6	Funding and Administrative Services	0.9%	EST	\$ 12,000.00	\$ 12,000.00
7	Miscellaneous Professional Services	0.8%	EST	\$ 10,000.00	\$ 10,000.00
SUBTOTAL					\$ 147,100.00
TOTAL PROJECT COST					\$ 1,288,700.00

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Engineer's Opinion of Probable Cost

Trailhead Well 1
 Project Location: Hildale City

 18-Oct-23
 BCW/tcd

NO.	DESCRIPTION	EST. QTY	UNIT	UNIT PRICE	AMOUNT
GENERAL CONSTRUCTION					
1	Mobilization	5%	LS	\$ 83,600.00	\$ 83,600.00
2	Pre-Construction DVD & Project Sign	1	LS	\$ 1,500.00	\$ 1,500.00
3	Traffic Control	1	LS	\$ 5,000.00	\$ 5,000.00
4	Subsurface Investigation	4	HR	\$ 250.00	\$ 1,000.00
5	Materials Sampling & Testing	1	LS	\$ 7,500.00	\$ 7,500.00
6	Dust Control & Watering	1	LS	\$ 10,000.00	\$ 10,000.00
7	Construction Staking	1	LS	\$ 10,000.00	\$ 10,000.00
8	Erosion Control Compliance	1	LS	\$ 7,500.00	\$ 7,500.00
9	Geophysical Survey	1	LS	\$ 20,000.00	\$ 20,000.00
10	Access and Drill Pad Construction	1	LS	\$ 145,000.00	\$ 145,000.00
11	Conductor Casing and Seal	100	LF	\$ 650.00	\$ 65,000.00
12	Drill 12" Pilot Borehole	600	LF	\$ 160.00	\$ 96,000.00
13	Drill 20" Reamed Borehole	600	LF	\$ 123.00	\$ 73,800.00
14	Geophysical Logging	1	LS	\$ 9,000.00	\$ 9,000.00
15	Well Installation - 12" Steel Casing	500	LF	\$ 170.00	\$ 85,000.00
16	Well Installation - 12" SS Screen 70 Slot	200	LF	\$ 350.00	\$ 70,000.00
17	Installation of Gravel Pack - 8-12	550	LF	\$ 115.00	\$ 63,250.00
18	Installation of Annular Grout Seal	150	LF	\$ 115.00	\$ 17,250.00
19	Initial Well Development	40	HR	\$ 750.00	\$ 30,000.00
20	Install Pump for Development and Testing	1	LS	\$ 42,000.00	\$ 42,000.00
21	Well Development by pumping	80	HR	\$ 425.00	\$ 34,000.00
22	Misc. Well and Pump Testing	1	LS	\$ 10,000.00	\$ 10,000.00
23	Well Disinfecting	1	LS	\$ 5,000.00	\$ 5,000.00
24	Well Head	1	LS	\$ 2,500.00	\$ 2,500.00
25	Well Capping	1	LS	\$ 750.00	\$ 750.00
26	Roadway Restoration	48,000	SF	\$ 6.00	\$ 288,000.00
27	10" PVC (C900) Line, Fitting, Tracer Wire, Bedding, & Backfill	8,000	LF	\$ 72.00	\$ 576,000.00
28	10" Gate Valve Assembly	4	EA	\$ 5,000.00	\$ 20,000.00
29	Misc. Connections, Fittings and Tie-ins	1	LS	\$ 20,000.00	\$ 20,000.00
SUBTOTAL					\$ 1,798,650.00
				CONTINGENCY 20%	\$ 359,700.00
CONSTRUCTION TOTAL					\$ 2,158,400.00
INCIDENTALS					
1	Engineering Design	4.5%	LS	\$ 110,000.00	\$ 110,000.00
2	Bidding & Negotiating	0.3%	HR	\$ 7,500.00	\$ 7,500.00
3	Engineering Construction Services	3.7%	HR	\$ 89,900.00	\$ 89,900.00
4	Topographic & Property Survey	0.7%	EST	\$ 17,500.00	\$ 17,500.00
5	Water Right Change Application	0.8%	EST	\$ 20,000.00	\$ 20,000.00
6	Funding and Administrative Services	0.5%	EST	\$ 12,000.00	\$ 12,000.00
7	Permitting	0.4%	EST	\$ 10,000.00	\$ 10,000.00
8	Miscellaneous Professional Services	0.8%	EST	\$ 20,000.00	\$ 20,000.00
SUBTOTAL					\$ 286,900.00
TOTAL PROJECT COST					\$ 2,445,300.00

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Engineer's Opinion of Probable Cost

Trailhead Well 2	18-Oct-23
Project Location: Hildale City	BCW/tcd

NO.	DESCRIPTION	EST. QTY	UNIT	UNIT PRICE	AMOUNT
GENERAL CONSTRUCTION					
1	Mobilization	5%	LS	\$ 32,000.00	\$ 32,000.00
2	Erosion Control Compliance	1	LS	\$ 5,000.00	\$ 5,000.00
3	Geophysical Survey	1	LS	\$ 20,000.00	\$ 20,000.00
4	Access and Drill Pad Construction	1	LS	\$ 50,000.00	\$ 50,000.00
5	Conductor Casing and Seal	100	LF	\$ 650.00	\$ 65,000.00
6	Drill 12" Pilot Borehole	600	LF	\$ 175.00	\$ 105,000.00
7	Drill 20" Reamed Borehole	600	LF	\$ 123.00	\$ 73,800.00
8	Geophysical Logging	1	LS	\$ 9,000.00	\$ 9,000.00
9	Well Installation - 12" Steel Casing	170	LF	\$ 170.00	\$ 28,900.00
10	Well Installation - 12" SS Screen 70 Slot	200	LF	\$ 350.00	\$ 70,000.00
11	Installation of Gravel Pack - 8-12	550	LF	\$ 115.00	\$ 63,250.00
12	Installation of Annular Grout Seal	150	LF	\$ 115.00	\$ 17,250.00
13	Initial Well Development	40	HR	\$ 750.00	\$ 30,000.00
14	Install Pump for Development and Testing	1	LS	\$ 42,000.00	\$ 42,000.00
15	Well Development by pumping	80	HR	\$ 425.00	\$ 34,000.00
16	Misc. Well and Pump Testing	1	LS	\$ 10,000.00	\$ 10,000.00
17	Well Disinfecting	1	LS	\$ 5,000.00	\$ 5,000.00
18	Well Head	1	LS	\$ 2,500.00	\$ 2,500.00
19	Well Capping	1	LS	\$ 750.00	\$ 750.00
20	8" PVC (C900) Line, Fitting, Tracer Wire, Bedding, & Backfill	150	LF	\$ 65.00	\$ 9,750.00
21	8" Gate Valve Assembly	1	EA	\$ 2,900.00	\$ 2,900.00
22	Water Right Procurement	1	LS	\$ 650,000.00	\$ 650,000.00
SUBTOTAL					\$ 1,326,100.00
CONTINGENCY				20%	\$ 265,200.00
CONSTRUCTION TOTAL					\$ 1,591,300.00
INCIDENTALS					
1	Engineering Design	2.6%	LS	\$ 45,000.00	\$ 45,000.00
2	Bidding & Negotiating	0.4%	HR	\$ 7,500.00	\$ 7,500.00
3	Engineering Construction Services	2.0%	HR	\$ 33,800.00	\$ 33,800.00
4	Topographic & Property Survey	0.2%	EST	\$ 3,500.00	\$ 3,500.00
5	Permitting	0.6%	EST	\$ 10,000.00	\$ 10,000.00
6	Funding and Administrative Services	0.7%	EST	\$ 12,000.00	\$ 12,000.00
39	Miscellaneous Professional Services	0.6%	EST	\$ 10,000.00	\$ 10,000.00
SUBTOTAL					\$ 121,800.00
TOTAL PROJECT COST					\$ 1,713,100.00

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Engineer's Opinion of Probable Cost

Hildale Groundwater Project PH I
 Project Location: Hildale City

18-Oct-23
 BCW/tcd

NO.	DESCRIPTION	EST. QTY	UNIT	UNIT PRICE	AMOUNT
GENERAL CONSTRUCTION					
1	Mobilization	5%	LS	\$ 132,900.00	\$ 132,900.00
2	Pre-Construction DVD & Project Sign	1	LS	\$ 1,500.00	\$ 1,500.00
3	Traffic Control	1	LS	\$ 5,000.00	\$ 5,000.00
4	Subsurface Investigation	4	HR	\$ 250.00	\$ 1,000.00
5	Materials Sampling & Testing	1	LS	\$ 7,500.00	\$ 7,500.00
6	Dust Control & Watering	1	LS	\$ 10,000.00	\$ 10,000.00
7	Construction Staking	1	LS	\$ 10,000.00	\$ 10,000.00
8	Erosion Control Compliance	1	LS	\$ 7,500.00	\$ 7,500.00
9	Geophysical Survey	1	LS	\$ 23,000.00	\$ 23,000.00
10	Access and Drill Pad Construction	1	LS	\$ 130,000.00	\$ 130,000.00
11	Conductor Casing and Seal	100	LF	\$ 650.00	\$ 65,000.00
12	Drill 12" Pilot Borehole	650	LF	\$ 175.00	\$ 113,750.00
13	Drill 20" Reamed Borehole	650	LF	\$ 123.00	\$ 79,950.00
14	Geophysical Logging	1	LS	\$ 9,000.00	\$ 9,000.00
15	Caliper	1	LS	\$ 6,500.00	\$ 6,500.00
16	Well Installation - 12" Steel Casing	550	LF	\$ 100.00	\$ 55,000.00
17	Well Installation - 12" SS Screen 70 Slot	200	LF	\$ 350.00	\$ 70,000.00
18	Installation of Gravel Pack - 8-12	600	LF	\$ 115.00	\$ 69,000.00
19	Installation of Annular Grout Seal	150	LF	\$ 115.00	\$ 17,250.00
20	Initial Well Development	40	HR	\$ 750.00	\$ 30,000.00
21	Install Pump for Development and Testing	1	LS	\$ 42,000.00	\$ 42,000.00
22	Well Development by pumping	80	HR	\$ 425.00	\$ 34,000.00
23	Misc. Well and Pump Testing	1	LS	\$ 10,000.00	\$ 10,000.00
24	Well Disinfecting	1	LS	\$ 5,000.00	\$ 5,000.00
25	Well Head	1	LS	\$ 2,500.00	\$ 2,500.00
26	Well Capping	1	LS	\$ 750.00	\$ 750.00
27	Roadway Restoration	30,000	SF	\$ 7.75	\$ 232,500.00
28	8" PVC (C900) Line, Fitting, Tracer Wire, Bedding, & Backfill	5,000	LF	\$ 65.00	\$ 325,000.00
29	8" Gate Valve Assembly	8	EA	\$ 2,900.00	\$ 23,200.00
30	Misc. Connections, Fittings and Tie-ins	1	LS	\$ 15,000.00	\$ 15,000.00
31	Water Right Procurement	1	LS	\$ 1,300,000.00	\$ 1,300,000.00
SUBTOTAL					\$ 2,833,800.00
				CONTINGENCY 20%	\$ 566,800.00
CONSTRUCTION TOTAL					\$ 3,400,600.00
INCIDENTALS					
1	Engineering Design	2.6%	LS	\$ 100,000.00	\$ 100,000.00
2	Bidding & Negotiating	0.2%	HR	\$ 7,500.00	\$ 7,500.00
3	Engineering Construction Services	3.0%	HR	\$ 113,400.00	\$ 113,400.00
4	Topographic & Property Survey	0.5%	EST	\$ 20,000.00	\$ 20,000.00
5	Funding and Administrative Services	0.3%	EST	\$ 12,000.00	\$ 12,000.00
5	Permitting	0.3%	EST	\$ 10,000.00	\$ 10,000.00
6	Environmental (Including Biological and Archeological) Report	0.9%	EST	\$ 35,000.00	\$ 35,000.00
8	BLM ROW Negotiation (SF299 Application & POD)	0.3%	EST	\$ 10,000.00	\$ 10,000.00
9	Miscellaneous Engineering Services	0.5%	EST	\$ 20,000.00	\$ 20,000.00
SUBTOTAL					\$ 392,900.00
TOTAL PROJECT COST					\$ 3,793,500.00

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Engineer's Opinion of Probable Cost

Hildale Groundwater Project PH II
 Project Location: Hildale City

 18-Oct-23
 BCW/tcd

NO.	DESCRIPTION	EST. QTY	UNIT	UNIT PRICE	AMOUNT
GENERAL CONSTRUCTION					
1	Mobilization	5%	LS	\$ 152,000.00	\$ 152,000.00
2	Pre-Construction DVD & Project Sign	1	LS	\$ 1,500.00	\$ 1,500.00
3	Traffic Control	1	LS	\$ 5,000.00	\$ 5,000.00
4	Subsurface Investigation	4	HR	\$ 250.00	\$ 1,000.00
5	Materials Sampling & Testing	1	LS	\$ 7,500.00	\$ 7,500.00
6	Dust Control & Watering	1	LS	\$ 10,000.00	\$ 10,000.00
7	Construction Staking	1	LS	\$ 10,000.00	\$ 10,000.00
8	Erosion Control Compliance	1	LS	\$ 7,500.00	\$ 7,500.00
9	Geophysical Survey	1	LS	\$ 23,000.00	\$ 23,000.00
10	Access and Drill Pad Construction	1	LS	\$ 130,000.00	\$ 130,000.00
11	Conductor Casing and Seal	100	LF	\$ 650.00	\$ 65,000.00
12	Drill 12" Pilot Borehole	650	LF	\$ 175.00	\$ 113,750.00
13	Drill 20" Reamed Borehole	650	LF	\$ 123.00	\$ 79,950.00
14	Geophysical Logging	1	LS	\$ 9,000.00	\$ 9,000.00
15	Caliper	1	LS	\$ 6,500.00	\$ 6,500.00
16	Well Installation - 12" Steel Casing	550	LF	\$ 100.00	\$ 55,000.00
17	Well Installation - 12" SS Screen 70 Slot	200	LF	\$ 350.00	\$ 70,000.00
18	Installation of Gravel Pack - 8-12	600	LF	\$ 115.00	\$ 69,000.00
19	Installation of Annular Grout Seal	150	LF	\$ 115.00	\$ 17,250.00
20	Initial Well Development	40	HR	\$ 750.00	\$ 30,000.00
21	Install Pump for Development and Testing	1	LS	\$ 42,000.00	\$ 42,000.00
22	Well Development by pumping	80	HR	\$ 425.00	\$ 34,000.00
23	Misc. Well and Pump Testing	1	LS	\$ 10,000.00	\$ 10,000.00
24	Well Disinfecting	1	LS	\$ 5,000.00	\$ 5,000.00
25	Well Head	1	LS	\$ 2,500.00	\$ 2,500.00
26	Well Capping	1	LS	\$ 750.00	\$ 750.00
27	Roadway Restoration	50,400	SF	\$ 7.75	\$ 390,600.00
28	8" PVC (C900) Line, Fitting, Tracer Wire, Bedding, & Backfill	8,400	LF	\$ 65.00	\$ 546,000.00
29	8" Gate Valve Assembly	9	EA	\$ 2,900.00	\$ 26,100.00
30	Misc. Connections, Fittings and Tie-ins	1	LS	\$ 15,000.00	\$ 15,000.00
31	Water Right Procurement	1	LS	\$ 1,300,000.00	\$ 1,300,000.00
				SUBTOTAL	\$ 3,234,900.00
				CONTINGENCY	20% \$ 647,000.00
				CONSTRUCTION TOTAL	\$ 3,881,900.00
INCIDENTALS					
1	Engineering Design	2.8%	LS	\$ 120,000.00	\$ 120,000.00
2	Bidding & Negotiating	0.2%	HR	\$ 7,500.00	\$ 7,500.00
3	Engineering Construction Services	2.3%	HR	\$ 96,700.00	\$ 96,700.00
4	Topographic & Property Survey	0.5%	EST	\$ 22,000.00	\$ 22,000.00
5	Funding and Administrative Services	0.3%	EST	\$ 12,000.00	\$ 12,000.00
6	Permitting	0.2%	EST	\$ 10,000.00	\$ 10,000.00
7	Environmental (Including Biological and Archeological) Report	0.9%	EST	\$ 40,000.00	\$ 40,000.00
8	BLM ROW Negotiation (SF299 Application & POD)	0.2%	EST	\$ 10,000.00	\$ 10,000.00
9	Miscellaneous Engineering Services	0.5%	EST	\$ 20,000.00	\$ 20,000.00
				SUBTOTAL	\$ 338,200.00
				TOTAL PROJECT COST	\$ 4,220,100.00

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Engineer's Opinion of Probable Cost

Hildale Groundwater Project PH III
 Project Location: Hildale City

 18-Oct-23
 BCW/tcd

NO.	DESCRIPTION	EST. QTY	UNIT	UNIT PRICE	AMOUNT
GENERAL CONSTRUCTION					
1	Mobilization	5%	LS	\$ 110,000.00	\$ 110,000.00
2	Pre-Construction DVD & Project Sign	1	LS	\$ 1,500.00	\$ 1,500.00
3	Traffic Control	1	LS	\$ 5,000.00	\$ 5,000.00
4	Subsurface Investigation	4	HR	\$ 250.00	\$ 1,000.00
5	Materials Sampling & Testing	1	LS	\$ 7,500.00	\$ 7,500.00
6	Dust Control & Watering	1	LS	\$ 10,000.00	\$ 10,000.00
7	Construction Staking	1	LS	\$ 10,000.00	\$ 10,000.00
8	Erosion Control Compliance	1	LS	\$ 7,500.00	\$ 7,500.00
9	Geophysical Survey	1	LS	\$ 23,000.00	\$ 23,000.00
10	Access and Drill Pad Construction	1	LS	\$ 130,000.00	\$ 130,000.00
11	Conductor Casing and Seal	100	LF	\$ 650.00	\$ 65,000.00
12	Drill 12" Pilot Borehole	600	LF	\$ 175.00	\$ 105,000.00
13	Drill 20" Reamed Borehole	600	LF	\$ 123.00	\$ 73,800.00
14	Geophysical Logging	1	LS	\$ 9,000.00	\$ 9,000.00
15	Caliper	1	LS	\$ 6,500.00	\$ 6,500.00
16	Well Installation - 12" Steel Casing	500	LF	\$ 170.00	\$ 85,000.00
17	Well Installation - 12" SS Screen 70 Slot	200	LF	\$ 350.00	\$ 70,000.00
18	Installation of Gravel Pack - 8-12	550	LF	\$ 115.00	\$ 63,250.00
19	Installation of Annular Grout Seal	150	LF	\$ 115.00	\$ 17,250.00
20	Initial Well Development	40	HR	\$ 750.00	\$ 30,000.00
21	Install Pump for Development and Testing	1	LS	\$ 42,000.00	\$ 42,000.00
22	Well Development by pumping	80	HR	\$ 425.00	\$ 34,000.00
23	Misc. Well and Pump Testing	1	LS	\$ 10,000.00	\$ 10,000.00
24	Well Disinfecting	1	LS	\$ 5,000.00	\$ 5,000.00
25	Well Head	1	LS	\$ 2,500.00	\$ 2,500.00
26	Well Capping	1	LS	\$ 750.00	\$ 750.00
27	Roadway Restoration	39,000	SF	\$ 8.00	\$ 312,000.00
28	8" PVC (C900) Line, Fitting, Tracer Wire, Bedding, & Backfill	6,500	LF	\$ 65.00	\$ 422,500.00
29	8" Gate Valve Assembly	8	EA	\$ 2,900.00	\$ 23,200.00
30	Misc. Connections, Fittings and Tie-ins	1	LS	\$ 20,000.00	\$ 20,000.00
31	Water Right Procurement	1	LS	\$ 650,000.00	\$ 650,000.00
				SUBTOTAL	\$ 2,352,250.00
				CONTINGENCY	20% \$ 470,500.00
				CONSTRUCTION TOTAL	\$ 2,822,800.00
INCIDENTALS					
1	Engineering Design	3.2%	LS	\$ 100,000.00	\$ 100,000.00
2	Bidding & Negotiating	0.2%	HR	\$ 7,500.00	\$ 7,500.00
3	Engineering Construction Services	2.2%	HR	\$ 68,100.00	\$ 68,100.00
4	Topographic & Property Survey	0.6%	EST	\$ 20,000.00	\$ 20,000.00
5	Funding and Administrative Services	0.4%	EST	\$ 12,000.00	\$ 12,000.00
6	Permitting	0.3%	EST	\$ 10,000.00	\$ 10,000.00
7	Environmental (Including Biological and Archeological) Report	1.1%	EST	\$ 35,000.00	\$ 35,000.00
8	BLM ROW Negotiation (SF299 Application & POD)	0.3%	EST	\$ 10,000.00	\$ 10,000.00
9	Miscellaneous Engineering Services	0.6%	EST	\$ 20,000.00	\$ 20,000.00
				SUBTOTAL	\$ 282,600.00
				TOTAL PROJECT COST	\$ 3,105,400.00

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Engineer's Opinion of Probable Cost

Arizona Well Fields	11-Oct-23
Project Location: Colorado City	MCG/bcw

NO.	DESCRIPTION	EST. QTY	UNIT	UNIT PRICE	AMOUNT
GENERAL CONSTRUCTION (ONE WELL)					
1	Mobilization	5%	LS	\$ 16,100.00	\$ 16,100.00
2	Traffic Control	1	LS	\$ 2,000.00	\$ 2,000.00
3	SWPPP Compliance	1	LS	\$ 2,000.00	\$ 2,000.00
4	Dust Control & Watering	1	LS	\$ 2,000.00	\$ 2,000.00
5	Subsurface Investigation	10	HR	\$ 40.00	\$ 400.00
6	Construction Staking	1	LS	\$ 500.00	\$ 500.00
7	Clearing, Grubbing, Excavation, & Demolition	1	LS	\$ 2,000.00	\$ 2,000.00
8	8" Diameter Test Well Drilling	150	LF	\$ 87.00	\$ 13,050.00
9	Develop and Pump Test Well	1	LS	\$ 17,400.00	\$ 17,400.00
10	Water Sampling (Full Drinking Water Standard)	1	EA	\$ 26,000.00	\$ 26,000.00
11	Furnish and Install Conductor Casing (Production Well)	1	LS	\$ 7,800.00	\$ 7,800.00
12	20" Diameter Production Well Drilling	150	LF	\$ 160.00	\$ 24,000.00
13	12" Diameter Casing	100	LF	\$ 52.00	\$ 5,200.00
14	12" Diameter Stainless Steel Screen	50	LF	\$ 350.00	\$ 17,500.00
15	3" Galvanized Gravel Pack Tremie Pipe	60	LF	\$ 16.00	\$ 960.00
16	2" Conduit for Level Indicator	150	LF	\$ 7.00	\$ 1,050.00
17	Concrete Grout and Seal	3	CY	\$ 1,200.00	\$ 3,600.00
18	Furnish and Install Pea Gravel (Disinfected)	3	CY	\$ 350.00	\$ 1,050.00
19	Bentonite Plug	1	LS	\$ 4,400.00	\$ 4,400.00
20	Furnish and Install Fine Silica Sand	3	CY	\$ 2,100.00	\$ 6,300.00
21	Develop Production Well	150	HR	\$ 435.00	\$ 65,250.00
22	Production Well Test Pump Equipment	1	LS	\$ 17,400.00	\$ 17,400.00
23	Test Pump Production Well	48	HR	\$ 260.00	\$ 12,480.00
24	Recovery Testing	12	HR	\$ 175.00	\$ 2,100.00
25	Disinfection and Capping	1	LS	\$ 550.00	\$ 550.00
26	Well House Building	1	LS	\$ 75,000.00	\$ 75,000.00
27	Piping to Connect to Raw Water System	1	LS	\$ 12,000.00	\$ 12,000.00
SUBTOTAL					\$ 338,100.00
				CONTINGENCY 20%	\$ 67,600.00
CONSTRUCTION TOTAL					\$ 405,700.00
INCIDENTALS					
1	Engineering Design	7.6%	LS	\$ 36,000.00	\$ 36,000.00
2	Bidding & Negotiating	1.6%	HR	\$ 7,500.00	\$ 7,500.00
3	Engineering Construction Services/Miscellaneous Services	5.7%	HR	\$ 27,000.00	\$ 27,000.00
SUBTOTAL					\$ 70,500.00
TOTAL PROJECT COST FOR ONE WELL					\$ 476,200.00
0-5 YEAR WELL FIELD					
	Number of New Wells	7	EA	\$ 476,200.00	\$ 3,333,400.00
TOTAL PROJECT COST AZ 0-5 YEAR WELL FIELD					\$ 3,333,400.00
6-10 YEAR WELL FIELD					
	Number of New Wells	8	EA	\$ 476,200.00	\$ 3,809,600.00
TOTAL PROJECT COST AZ 6-10 YEAR WELL FIELD					\$ 3,809,600.00
11-20 YEAR WELL FIELD					
	Number of New Wells	14	EA	\$ 476,200.00	\$ 6,666,800.00
TOTAL PROJECT COST AZ 11-20 YEAR WELL FIELD					\$ 6,666,800.00

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Engineer's Opinion of Probable Cost					
Utah Well Fields					11-Oct-23
Project Location: Hildale City					MCG/bcw
NO.	DESCRIPTION	EST. QTY	UNIT	UNIT PRICE	AMOUNT
GENERAL CONSTRUCTION (ONE WELL)					
1	Mobilization	5%	LS	\$ 16,099.50	\$ 16,099.50
2	Traffic Control	1	LS	\$ 2,000.00	\$ 2,000.00
3	SWPPP Compliance	1	LS	\$ 2,000.00	\$ 2,000.00
4	Dust Control & Watering	1	LS	\$ 2,000.00	\$ 2,000.00
5	Subsurface Investigation	10	HR	\$ 40.00	\$ 400.00
6	Construction Staking	1	LS	\$ 500.00	\$ 500.00
7	Clearing, Grubbing, Excavation, & Demolition	1	LS	\$ 2,000.00	\$ 2,000.00
8	8" Diameter Test Well Drilling	150	LF	\$ 87.00	\$ 13,050.00
9	Develop and Pump Test Well	1	LS	\$ 17,400.00	\$ 17,400.00
10	Water Sampling (Full Drinking Water Standard)	1	EA	\$ 26,000.00	\$ 26,000.00
11	Furnish and Install Conductor Casing (Production Well)	1	LS	\$ 7,800.00	\$ 7,800.00
12	20" Diameter Production Well Drilling	150	LF	\$ 160.00	\$ 24,000.00
13	12" Diameter Casing	100	LF	\$ 52.00	\$ 5,200.00
14	12" Diameter Stainless Steel Screen	50	LF	\$ 350.00	\$ 17,500.00
15	3" Galvanized Gravel Pack Tremie Pipe	60	LF	\$ 16.00	\$ 960.00
16	2" Conduit for Level Indicator	150	LF	\$ 7.00	\$ 1,050.00
17	Concrete Grout and Seal	3	CY	\$ 1,200.00	\$ 3,600.00
18	Furnish and Install Pea Gravel (Disinfected)	3	CY	\$ 350.00	\$ 1,050.00
19	Bentonite Plug	1	LS	\$ 4,400.00	\$ 4,400.00
20	Furnish and Install Fine Silica Sand	3	CY	\$ 2,100.00	\$ 6,300.00
21	Develop Production Well	150	HR	\$ 435.00	\$ 65,250.00
22	Production Well Test Pump Equipment	1	LS	\$ 17,400.00	\$ 17,400.00
23	Test Pump Production Well	48	HR	\$ 260.00	\$ 12,480.00
24	Recovery Testing	12	HR	\$ 175.00	\$ 2,100.00
25	Disinfection and Capping	1	LS	\$ 550.00	\$ 550.00
26	Well House Building	1	LS	\$ 75,000.00	\$ 75,000.00
27	Piping to Connect to Raw Water System	1	LS	\$ 12,000.00	\$ 12,000.00
SUBTOTAL					\$ 338,089.50
CONTINGENCY				20%	\$ 67,617.90
CONSTRUCTION TOTAL					\$ 405,707.00
INCIDENTALS					
1	Engineering Design	7.6%	LS	\$ 36,019.43	\$ 36,019.43
2	Bidding & Negotiating	1.6%	HR	\$ 7,500.00	\$ 7,500.00
3	Engineering Construction Services/Miscellaneous Services	5.7%	HR	\$ 27,000.00	\$ 27,000.00
SUBTOTAL					\$ 70,519.43
TOTAL PROJECT COST FOR ONE WELL					\$ 476,200.00
0-5 YEAR WELL FIELD					
	Number of New Wells	7	EA	\$ 476,200.00	\$ 3,333,400.00
	Purchase Water Rights	677	AC-FT	\$ 5,300.00	\$ 3,590,318.61
TOTAL PROJECT COST AZ 0-5 YEAR WELL FIELD					\$ 6,923,700.00
6-10 YEAR WELL FIELD					
	Number of New Wells	8	EA	\$ 476,200.00	\$ 3,809,600.00
	Purchase Water Rights	774	AC-FT	\$ 5,300.00	\$ 4,103,221.27
TOTAL PROJECT COST AZ 6-10 YEAR WELL FIELD					\$ 7,912,800.00
11-20 YEAR WELL FIELD					
	Number of New Wells	14	EA	\$ 476,200.00	\$ 6,666,800.00
	Purchase Water Rights	1,355	AC-FT	\$ 5,300.00	\$ 7,180,637.23
TOTAL PROJECT COST AZ 11-20 YEAR WELL FIELD					\$ 13,847,400.00

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Engineer's Opinion of Probable Cost					
Sandhill Tank 1					18-Oct-23
Project Location: Hildale City					BCW/tcd
NO.	DESCRIPTION	EST. QTY	UNIT	UNIT PRICE	AMOUNT
GENERAL CONSTRUCTION					
1	Mobilization	5%	LS	\$ 211,800.00	\$ 211,800.00
2	Traffic Control	1	LS	\$ 5,000.00	\$ 5,000.00
3	Pre-Construction DVD & Project Sign	1	LS	\$ 1,500.00	\$ 1,500.00
4	Dust Control & Watering	1	LS	\$ 10,000.00	\$ 10,000.00
5	Subsurface Investigation	20	HR	\$ 350.00	\$ 7,000.00
6	Restore Surface Improvements	1	LS	\$ 10,000.00	\$ 10,000.00
7	Construction Staking	1	LS	\$ 12,000.00	\$ 12,000.00
8	Materials Sampling & Testing	1	LS	\$ 35,000.00	\$ 35,000.00
9	Excavation & Demolition	1	LS	\$ 25,000.00	\$ 25,000.00
10	Earthwork & Grading	1	LS	\$ 400,000.00	\$ 400,000.00
11	2MG Concrete Storage Tank	1	LS	\$ 2,800,000.00	\$ 2,800,000.00
12	Tank Site Appurtenances	1	LS	\$ 75,000.00	\$ 75,000.00
13	Metering Station	1	LS	\$ 40,000.00	\$ 40,000.00
14	16" PVC (C900), Fittings, Installation, Pipe Bedding, Trench Backfill	1,360	LF	\$ 120.00	\$ 163,200.00
15	16" Gate Valve Assembly	4	EA	\$ 6,750.00	\$ 27,000.00
16	12" PVC (C900), Fittings, Installation, Pipe Bedding, Trench Backfill	2,264	LF	\$ 95.00	\$ 215,080.00
17	12" Gate Valve Assembly	10	EA	\$ 6,500.00	\$ 65,000.00
18	Misc. Connections, Fittings and Tie-ins	1	LS	\$ 30,000.00	\$ 30,000.00
19	Surface Restoration	1	LS	\$ 15,000.00	\$ 15,000.00
20	Elm Street PRV and Vault	1	EA	\$ 100,000.00	\$ 100,000.00
21	Valving and Piping to Create New Pressure Zone	1	LS	\$ 45,000.00	\$ 45,000.00
22	Misc Electrical and SCADA Improvements	1	LS	\$ 20.00	\$ 20.00
23	Tank Access Road	28,992	SF	\$ 2.75	\$ 79,728.00
24	Fence and Gate	1	LS	\$ 75,000.00	\$ 75,000.00
SUBTOTAL					\$ 4,447,328.00
CONTINGENCY					20%
CONSTRUCTION TOTAL					\$ 5,336,800.00
INCIDENTALS					
1	Engineering Design	3.4%	LS	\$ 200,000.00	\$ 200,000.00
2	Bidding & Negotiating	0.1%	HR	\$ 7,500.00	\$ 7,500.00
3	Engineering Construction Services	4.5%	HR	\$ 266,800.00	\$ 266,800.00
4	Topographic & Property Survey	0.3%	EST	\$ 15,000.00	\$ 15,000.00
5	Geotechnical Report	0.2%	EST	\$ 10,000.00	\$ 10,000.00
6	Funding and Administrative Services	0.2%	EST	\$ 12,000.00	\$ 12,000.00
7	Permitting	0.2%	EST	\$ 10,000.00	\$ 10,000.00
8	Environmental (Including Biological and Archeological) Report	0.5%	EST	\$ 30,000.00	\$ 30,000.00
9	SCADA Design	0.3%	EST	\$ 15,000.00	\$ 15,000.00
10	BLM ROW Negotiation (SF299 Application & POD)	0.2%	EST	\$ 10,000.00	\$ 10,000.00
11	Miscellaneous Engineering Services	0.4%	EST	\$ 25,000.00	\$ 25,000.00
SUBTOTAL					\$ 601,300.00
TOTAL PROJECT COST					\$ 5,938,100.00

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Engineer's Opinion of Probable Cost

Trailhead Tank
 Project Location: Hildale City

 12-Oct-23
 MCG/bcw

NO.	DESCRIPTION	EST. QTY	UNIT	UNIT PRICE	AMOUNT
GENERAL CONSTRUCTION					
1	Mobilization	5%	LS	\$ 100,700.00	\$ 100,700.00
2	Traffic Control	1	LS	\$ 5,000.00	\$ 5,000.00
3	Pre-Construction DVD & Project Sign	1	LS	\$ 1,500.00	\$ 1,500.00
4	Dust Control & Watering	1	LS	\$ 10,000.00	\$ 10,000.00
5	Subsurface Investigation	30	HR	\$ 350.00	\$ 10,500.00
6	Restore Surface Improvements	1	LS	\$ 7,800.00	\$ 7,800.00
7	Construction Staking	1	LS	\$ 5,000.00	\$ 5,000.00
8	Materials Sampling & Testing	1	LS	\$ 35,000.00	\$ 35,000.00
9	Earthwork	1	LS	\$ 200,000.00	\$ 200,000.00
10	500K Concrete Storage Tank	1	LS	\$ 810,000.00	\$ 810,000.00
11	Tank Site Appurtenances	1	LS	\$ 100,000.00	\$ 100,000.00
12	Fence and Gate	1	LS	\$ 20,000.00	\$ 20,000.00
13	Metering Station	1	LS	\$ 34,000.00	\$ 34,000.00
14	Tank Access Rd	5,500	SF	\$ 2.00	\$ 11,000.00
15	10" PVC (C900), Fittings, Installation, Pipe Bedding, Trench Backfill	8,000	LF	\$ 75.00	\$ 600,000.00
16	10" Gate Valve Assembly	5	EA	\$ 5,000.00	\$ 25,000.00
17	Misc. Connections, Fittings, and Tie-Ins	1	LS	\$ 20,000.00	\$ 20,000.00
18	Misc Electrical and SCADA Improvements	1	LS	\$ 20,000.00	\$ 20,000.00
19	PRV and Vault	1	EA	\$ 100,000.00	\$ 100,000.00
SUBTOTAL					\$ 2,115,500.00
				CONTINGENCY 20%	\$ 423,100.00
CONSTRUCTION TOTAL					\$ 2,538,600.00
INCIDENTALS					
1	Engineering Design	3.3%	LS	\$ 95,000.00	\$ 95,000.00
2	Bidding & Negotiating	0.3%	HR	\$ 7,500.00	\$ 7,500.00
3	Engineering Construction Services	4.4%	HR	\$ 126,900.00	\$ 126,900.00
4	Topographic & Property Survey	0.3%	EST	\$ 8,000.00	\$ 8,000.00
5	Geotechnical Report	0.3%	EST	\$ 10,000.00	\$ 10,000.00
6	Funding and Administrative Services	0.4%	EST	\$ 12,000.00	\$ 12,000.00
7	Permitting	0.3%	EST	\$ 10,000.00	\$ 10,000.00
10	Environmental (Including Biological and Archeological) Report	0.9%	EST	\$ 25,000.00	\$ 25,000.00
11	BLM ROW Negotiation (SF299 Application & POD)	0.3%	EST	\$ 10,000.00	\$ 10,000.00
39	Miscellaneous Professional Services	0.7%	EST	\$ 20,000.00	\$ 20,000.00
SUBTOTAL					\$ 336,900.00
TOTAL PROJECT COST					\$ 2,875,500.00

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Engineer's Opinion of Probable Cost

South Concrete Tank
 Project Location: Colorado City

 12-Oct-23
 MCG/bcw

NO.	DESCRIPTION	EST. QTY	UNIT	UNIT PRICE	AMOUNT
GENERAL CONSTRUCTION					
1	Mobilization	5%	LS	\$ 154,900.00	\$ 154,900.00
2	Traffic Control	1	LS	\$ 2,000.00	\$ 2,000.00
3	Pre-Construction DVD & Project Sign	1	LS	\$ 1,500.00	\$ 1,500.00
4	Dust Control & Watering	1	LS	\$ 10,000.00	\$ 10,000.00
5	Subsurface Investigation	30	HR	\$ 350.00	\$ 10,500.00
6	Restore Surface Improvements	1	LS	\$ 10,000.00	\$ 10,000.00
7	Construction Staking	1	LS	\$ 12,000.00	\$ 12,000.00
8	Materials Sampling & Testing	1	LS	\$ 35,000.00	\$ 35,000.00
9	Excavation & Demolition	1	LS	\$ 25,000.00	\$ 25,000.00
10	Earthwork & Grading	1	LS	\$ 400,000.00	\$ 400,000.00
11	1MG Concrete Storage Tank	1	LS	\$ 1,500,000.00	\$ 1,500,000.00
12	Tank Site Appurtenances	1	LS	\$ 250,000.00	\$ 250,000.00
13	Metering Station	1	LS	\$ 40,000.00	\$ 40,000.00
14	12" PVC (C900), Fittings, Installation, Pipe Bedding, Trench Backfill	4,000	LF	\$ 110.00	\$ 440,000.00
15	12" Gate Valve Assembly	10	EA	\$ 6,750.00	\$ 67,500.00
16	Misc. Connections, Fittings and Tie-ins	1	LS	\$ 30,000.00	\$ 30,000.00
17	Surface Restoration	1	LS	\$ 15,000.00	\$ 15,000.00
18	PRV and Vault	1	EA	\$ 100,000.00	\$ 100,000.00
19	Valving and Piping to Create New Pressure Zone	1	LS	\$ 45,000.00	\$ 45,000.00
20	Misc Electrical and SCADA Improvements	1	LS	\$ 20,000.00	\$ 20,000.00
21	Tank Access Road	32,000	SF	\$ 2.00	\$ 64,000.00
22	Fence and Gate	1	LS	\$ 20,000.00	\$ 20,000.00
SUBTOTAL					\$ 3,252,400.00
CONTINGENCY				20%	\$ 650,500.00
CONSTRUCTION TOTAL					\$ 3,902,900.00
INCIDENTALS					
1	Engineering Design	4.5%	LS	\$ 200,000.00	\$ 200,000.00
2	Bidding & Negotiating	0.2%	HR	\$ 7,500.00	\$ 7,500.00
3	Engineering Construction Services	4.4%	HR	\$ 195,100.00	\$ 195,100.00
4	Topographic & Property Survey	0.3%	EST	\$ 15,000.00	\$ 15,000.00
5	Geotechnical Report	0.2%	EST	\$ 10,000.00	\$ 10,000.00
6	Funding and Administrative Services	0.3%	EST	\$ 12,000.00	\$ 12,000.00
7	Permitting	0.2%	EST	\$ 10,000.00	\$ 10,000.00
8	Environmental (Including Biological and Archeological) Report	0.7%	EST	\$ 30,000.00	\$ 30,000.00
9	SCADA Design	0.3%	EST	\$ 15,000.00	\$ 15,000.00
10	BLM ROW Negotiation (SF299 Application & POD)	0.2%	EST	\$ 10,000.00	\$ 10,000.00
11	Miscellaneous Engineering Services	0.6%	EST	\$ 25,000.00	\$ 25,000.00
SUBTOTAL					\$ 529,600.00
TOTAL PROJECT COST					\$ 4,432,500.00

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Engineer's Opinion of Probable Cost

Sandhill Tank 2
 Project Location: Hildale City

 18-Oct-23
 MCG/bcw

NO.	DESCRIPTION	EST. QTY	UNIT	UNIT PRICE	AMOUNT
GENERAL CONSTRUCTION					
1	Mobilization	5%	LS	\$ 232,100.00	\$ 232,100.00
2	Traffic Control	1	LS	\$ 2,000.00	\$ 2,000.00
3	Pre-Construction DVD & Project Sign	1	LS	\$ 1,500.00	\$ 1,500.00
4	Dust Control & Watering	1	LS	\$ 10,000.00	\$ 10,000.00
5	Subsurface Investigation	30	HR	\$ 350.00	\$ 10,500.00
6	Restore Surface Improvements	1	LS	\$ 10,000.00	\$ 10,000.00
7	Construction Staking	1	LS	\$ 12,000.00	\$ 12,000.00
8	Materials Sampling & Testing	1	LS	\$ 35,000.00	\$ 35,000.00
9	Excavation & Demolition	1	LS	\$ 25,000.00	\$ 25,000.00
10	Earthwork & Grading	1	LS	\$ 400,000.00	\$ 400,000.00
11	2MG Concrete Storage Tank	1	LS	\$ 2,800,000.00	\$ 2,800,000.00
12	Tank Site Appurtenances	1	LS	\$ 250,000.00	\$ 250,000.00
13	Metering Station	1	LS	\$ 40,000.00	\$ 40,000.00
14	24" PVC (C900), Fittings, Installation, Pipe Bedding, Trench Backfill	2,700	LF	\$ 150.00	\$ 405,000.00
15	24" Gate Valve Assembly	6	EA	\$ 9,500.00	\$ 57,000.00
16	16" PVC (C900), Fittings, Installation, Pipe Bedding, Trench Backfill	2,350	LF	\$ 120.00	\$ 282,000.00
17	16" Gate Valve Assembly	5	EA	\$ 6,750.00	\$ 33,750.00
18	Misc. Connections, Fittings and Tie-ins	1	LS	\$ 30,000.00	\$ 30,000.00
19	Surface Restoration	1	LS	\$ 15,000.00	\$ 15,000.00
20	PRV and Vault	1	EA	\$ 100,000.00	\$ 100,000.00
21	Valving and Piping to Create New Pressure Zone	1	LS	\$ 45,000.00	\$ 45,000.00
22	Misc Electrical and SCADA Improvements	1	LS	\$ 20,000.00	\$ 20,000.00
23	Tank Access Road	18,800	SF	\$ 2.00	\$ 37,600.00
24	Fence and Gate	1	LS	\$ 20,000.00	\$ 20,000.00
SUBTOTAL					\$ 4,873,450.00
CONTINGENCY 20%					\$ 974,700.00
CONSTRUCTION TOTAL					\$ 5,848,200.00
INCIDENTALS					
1	Engineering Design	3.1%	LS	\$ 200,000.00	\$ 200,000.00
2	Bidding & Negotiating	0.1%	HR	\$ 7,500.00	\$ 7,500.00
3	Engineering Construction Services	4.5%	HR	\$ 292,400.00	\$ 292,400.00
4	Topographic & Property Survey	0.2%	EST	\$ 15,000.00	\$ 15,000.00
5	Geotechnical Report	0.2%	EST	\$ 10,000.00	\$ 10,000.00
6	Funding and Administrative Services	0.2%	EST	\$ 12,000.00	\$ 12,000.00
7	Permitting	0.2%	EST	\$ 10,000.00	\$ 10,000.00
8	Environmental (Including Biological and Archeological) Report	0.5%	EST	\$ 30,000.00	\$ 30,000.00
9	SCADA Design	0.2%	EST	\$ 15,000.00	\$ 15,000.00
10	BLM ROW Negotiation (SF299 Application & POD)	0.2%	EST	\$ 10,000.00	\$ 10,000.00
11	Miscellaneous Engineering Services	0.4%	EST	\$ 25,000.00	\$ 25,000.00
SUBTOTAL					\$ 626,900.00
TOTAL PROJECT COST					\$ 6,475,100.00

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Engineer's Opinion of Probable Cost					
Raw Water Transmission Line					18-Oct-23
Project Location: Colorado City					BCW/tcd
NO.	DESCRIPTION	EST. QTY	UNIT	UNIT PRICE	AMOUNT
GENERAL CONSTRUCTION					
1	Mobilization	5%	LS	\$ 37,800.00	\$ 37,800.00
2	Traffic Control	1	LS	\$ 10,000.00	\$ 10,000.00
3	Dust Control & Watering	1	LS	\$ 10,000.00	\$ 10,000.00
4	Subsurface Investigation	10	HR	\$ 250.00	\$ 2,500.00
5	Restore Surface Improvements	1	LS	\$ 15,000.00	\$ 15,000.00
6	Construction Staking	1	LS	\$ 10,000.00	\$ 10,000.00
7	Erosion Control Compliance	1	LS	\$ 5,000.00	\$ 5,000.00
8	Materials Sampling & Testing	1	LS	\$ 12,500.00	\$ 12,500.00
9	Excavation & Demolition	1	LS	\$ 20,000.00	\$ 20,000.00
10	12" PVC (C900) Line, Fitting, Tracer Wire, Bedding, & Backfill	2,500	LF	\$ 110.00	\$ 275,000.00
11	12" Gate Valve Assembly	8	EA	\$ 6,500.00	\$ 52,000.00
12	Pavement Restoration	26,400	SF	\$ 7.75	\$ 204,600.00
13	Access/Cleanout Structure	4	EA	\$ 5,000.00	\$ 20,000.00
14	Misc. Fittings, Connections, and Tie-Ins	1	LS	\$ 20,000.00	\$ 20,000.00
15	Electrical Conduit	2,500	LF	\$ 40.00	\$ 100,000.00
SUBTOTAL					\$ 794,400.00
				CONTINGENCY 20%	\$ 158,900.00
CONSTRUCTION TOTAL					\$ 953,300.00
INCIDENTALS					
1	Engineering Design	4.6%	LS	\$ 50,000.00	\$ 50,000.00
2	Bidding & Negotiating	0.7%	HR	\$ 7,500.00	\$ 7,500.00
3	Engineering Construction Services	3.6%	HR	\$ 39,700.00	\$ 39,700.00
4	Topographic & Property Survey	1.4%	EST	\$ 15,000.00	\$ 15,000.00
5	Permitting	0.5%	EST	\$ 5,000.00	\$ 5,000.00
6	Funding and Administrative Services	1.1%	EST	\$ 12,000.00	\$ 12,000.00
7	Miscellaneous Engineering Services	0.9%	EST	\$ 10,000.00	\$ 10,000.00
SUBTOTAL					\$ 139,200.00
TOTAL PROJECT COST					\$ 1,092,500.00

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Engineer's Opinion of Probable Cost

Small Treatment Plant (1,600 gpm)
 Project Location: Hildale City

12-Oct-23
 MCG/bcw

NO.	DESCRIPTION	EST. QTY	UNIT	UNIT PRICE	AMOUNT
GENERAL CONSTRUCTION					
1	Mobilization	5%	LS	\$ 206,000.00	\$ 206,000.00
2	Pilot Study	1	LS	\$ 75,000.00	\$ 75,000.00
3	Construction Staking	1	LS	\$ 15,000.00	\$ 15,000.00
4	Dust Control & Watering	1	LS	\$ 20,000.00	\$ 20,000.00
5	Package Pressure Filtration System	1	LS	\$ 1,300,000.00	\$ 1,300,000.00
6	Site Earthwork	1	LS	\$ 150,000.00	\$ 150,000.00
7	Water Treatment Plant Building & Appurtenances	1	LS	\$ 1,000,000.00	\$ 1,000,000.00
8	Chlorinator System	1	LS	\$ 100,000.00	\$ 100,000.00
9	Chlorine Contact Chamber	1	LS	\$ 200,000.00	\$ 200,000.00
10	Effluent Pump Station	1	LS	\$ 275,000.00	\$ 275,000.00
11	Electrical Systems	1	LS	\$ 350,000.00	\$ 350,000.00
12	Mechanical System	1	LS	\$ 200,000.00	\$ 200,000.00
13	Miscellaneous Piping to and from Site	1	LS	\$ 185,000.00	\$ 185,000.00
14	Miscellaneous Valves	1	LS	\$ 90,000.00	\$ 90,000.00
15	Miscellaneous Site Improvements (parking, fence, gate, etc.)	1	LS	\$ 110,000.00	\$ 110,000.00
16	SCADA Improvements	1	LS	\$ 50,000.00	\$ 50,000.00
SUBTOTAL					\$ 4,326,000.00
CONTINGENCY					20% \$ 865,200.00
CONSTRUCTION TOTAL					\$ 5,191,200.00
INCIDENTALS					
1	Engineering Design	5.3%	LS	\$ 311,500.00	\$ 311,500.00
2	Bidding & Negotiating	0.2%	HR	\$ 10,000.00	\$ 10,000.00
3	Engineering Construction Services	4.4%	HR	\$ 259,600.00	\$ 259,600.00
4	Topographic & Property Survey	0.3%	EST	\$ 15,000.00	\$ 15,000.00
5	Geotechnical Report	0.2%	EST	\$ 10,000.00	\$ 10,000.00
6	Funding and Administrative Services	0.3%	EST	\$ 20,000.00	\$ 20,000.00
7	Permitting	0.2%	EST	\$ 12,500.00	\$ 12,500.00
8	SCADA Design	0.4%	EST	\$ 25,000.00	\$ 25,000.00
9	Miscellaneous Professional Services	0.8%	EST	\$ 50,000.00	\$ 50,000.00
SUBTOTAL					\$ 713,600.00
TOTAL PROJECT COST					\$ 5,904,800.00

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Engineer's Opinion of Probable Cost

Additional Treatment Capacity (3,000 gpm)
 Project Location: Not Specified

12-Oct-23
 MCG/bcw

NO.	DESCRIPTION	EST. QTY	UNIT	UNIT PRICE	AMOUNT
GENERAL CONSTRUCTION					
1	Mobilization	5%	LS	\$ 306,800.00	\$ 306,800.00
2	Pilot Study	1	LS	\$ 75,000.00	\$ 75,000.00
3	Construction Staking	1	LS	\$ 15,000.00	\$ 15,000.00
4	Dust Control & Watering	1	LS	\$ 20,000.00	\$ 20,000.00
5	Package Pressure Filtration System	1	LS	\$ 2,300,000.00	\$ 2,300,000.00
6	Site Earthwork	1	LS	\$ 200,000.00	\$ 200,000.00
7	Water Treatment Plant Building & Appurtenances	1	LS	\$ 1,500,000.00	\$ 1,500,000.00
8	Chlorinator System	1	LS	\$ 100,000.00	\$ 100,000.00
9	Chlorine Contact Chamber	1	LS	\$ 325,000.00	\$ 325,000.00
10	Effluent Pump Station	1	LS	\$ 375,000.00	\$ 375,000.00
11	Electrical Systems	1	LS	\$ 400,000.00	\$ 400,000.00
12	Mechanical System	1	LS	\$ 275,000.00	\$ 275,000.00
13	Miscellaneous Piping to and from Site	1	LS	\$ 225,000.00	\$ 225,000.00
14	Miscellaneous Valves	1	LS	\$ 100,000.00	\$ 100,000.00
15	Miscellaneous Site Improvements (parking, fence, gate, etc.)	1	LS	\$ 175,000.00	\$ 175,000.00
16	SCADA Improvements	1	LS	\$ 50,000.00	\$ 50,000.00
SUBTOTAL					\$ 6,441,800.00
CONTINGENCY				20%	\$ 1,288,400.00
CONSTRUCTION TOTAL					\$ 7,730,200.00
INCIDENTALS					
1	Engineering Design	5.5%	LS	\$ 479,800.00	\$ 479,800.00
2	Bidding & Negotiating	0.1%	HR	\$ 10,000.00	\$ 10,000.00
3	Engineering Construction Services	4.4%	HR	\$ 386,500.00	\$ 386,500.00
4	Topographic & Property Survey	0.2%	EST	\$ 15,000.00	\$ 15,000.00
5	Geotechnical Report	0.1%	EST	\$ 10,000.00	\$ 10,000.00
6	Funding and Administrative Services	0.2%	EST	\$ 20,000.00	\$ 20,000.00
7	Permitting	0.1%	EST	\$ 12,500.00	\$ 12,500.00
8	SCADA Design	0.3%	EST	\$ 25,000.00	\$ 25,000.00
9	Miscellaneous Engineering Services	0.6%	EST	\$ 50,000.00	\$ 50,000.00
SUBTOTAL					\$ 1,008,800.00
TOTAL PROJECT COST					\$ 8,739,000.00

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Engineer's Opinion of Probable Cost

Additional Treatment Capacity PH2 (4,000 gpm)
 Project Location: Not Specified

12-Oct-23
 MCG/bcw

NO.	DESCRIPTION	EST. QTY	UNIT	UNIT PRICE	AMOUNT
GENERAL CONSTRUCTION					
1	Mobilization	5%	LS	\$ 363,300.00	\$ 363,300.00
2	Pilot Study	1	LS	\$ 75,000.00	\$ 75,000.00
3	Construction Staking	1	LS	\$ 15,000.00	\$ 15,000.00
4	Dust Control & Watering	1	LS	\$ 20,000.00	\$ 20,000.00
5	Package Pressure Filtration System	1	LS	\$ 3,000,000.00	\$ 3,000,000.00
6	Site Earthwork	1	LS	\$ 200,000.00	\$ 200,000.00
7	Water Treatment Plant Building & Appurtenances	1	LS	\$ 1,750,000.00	\$ 1,750,000.00
8	Chlorinator System	1	LS	\$ 100,000.00	\$ 100,000.00
9	Chlorine Contact Chamber	1	LS	\$ 375,000.00	\$ 375,000.00
10	Effluent Pump Station	1	LS	\$ 425,000.00	\$ 425,000.00
11	Electrical Systems	1	LS	\$ 450,000.00	\$ 450,000.00
12	Mechanical System	1	LS	\$ 315,000.00	\$ 315,000.00
13	Miscellaneous Piping to and from Site	1	LS	\$ 225,000.00	\$ 225,000.00
14	Miscellaneous Valves	1	LS	\$ 115,000.00	\$ 115,000.00
15	Miscellaneous Site Improvements (parking, fence, gate, etc.)	1	LS	\$ 150,000.00	\$ 150,000.00
16	SCADA Improvements	1	LS	\$ 50,000.00	\$ 50,000.00
SUBTOTAL					\$ 7,628,300.00
CONTINGENCY				20%	\$ 1,525,700.00
CONSTRUCTION TOTAL					\$ 9,154,000.00
INCIDENTALS					
1	Engineering Design	5.4%	LS	\$ 558,000.00	\$ 558,000.00
2	Bidding & Negotiating	0.1%	HR	\$ 10,000.00	\$ 10,000.00
3	Engineering Construction Services	4.4%	HR	\$ 457,700.00	\$ 457,700.00
4	Topographic & Property Survey	0.1%	EST	\$ 15,000.00	\$ 15,000.00
5	Geotechnical Report	0.1%	EST	\$ 10,000.00	\$ 10,000.00
6	Funding and Administrative Services	0.2%	EST	\$ 20,000.00	\$ 20,000.00
7	Permitting	0.1%	EST	\$ 12,500.00	\$ 12,500.00
8	SCADA Design	0.2%	EST	\$ 25,000.00	\$ 25,000.00
9	Miscellaneous Engineering Services	0.5%	EST	\$ 50,000.00	\$ 50,000.00
SUBTOTAL					\$ 1,158,200.00
TOTAL PROJECT COST					\$ 10,312,200.00

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Engineer's Opinion of Probable Cost

Fire Hydrant Improvements	18-Oct-23
Project Location: Hildale City	BCW/tcd

NO.	DESCRIPTION	EST. QTY	UNIT	UNIT PRICE	AMOUNT
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GENERAL CONSTRUCTION

1	Mobilization	5%	LS	\$ 61,700.00	\$ 61,700.00
2	Pre-Construction DVD and Project Sign	1	LS	\$ 2,500.00	\$ 2,500.00
3	Traffic Control	1	LS	\$ 10,000.00	\$ 10,000.00
4	Subsurface Investigation	24	HR	\$ 250.00	\$ 6,000.00
5	Materials Sampling & Testing	1	LS	\$ 16,000.00	\$ 16,000.00
6	Dust Control & Watering	1	LS	\$ 9,000.00	\$ 9,000.00
7	Construction Staking	1	LS	\$ 13,000.00	\$ 13,000.00
8	Erosion Control Compliance	1	LS	\$ 6,000.00	\$ 6,000.00
9	6" PVC (C900) Line, Fitting, Tracer Wire, Bedding, & Backfill	2,100	LF	\$ 50.00	\$ 105,000.00
10	6" Gate Valve Assembly	80	EA	\$ 2,000.00	\$ 160,000.00
11	8" PVC (C900) Line, Fitting, Tracer Wire, Bedding, & Backfill	2,930	LF	\$ 65.00	\$ 190,450.00
12	8" Gate Valve Assembly	8	EA	\$ 2,900.00	\$ 23,200.00
13	Fire Hydrant Assembly	78	EA	\$ 7,000.00	\$ 546,000.00
14	Restore Gravel Road	21,200	SF	\$ 3.25	\$ 68,900.00
15	Pavement Restoration	9,100	SF	\$ 7.50	\$ 68,250.00
16	Restore Surface Improvements	1	LS	\$ 10,000.00	\$ 10,000.00
SUBTOTAL					\$ 1,296,000.00
				CONTINGENCY	20% \$ 259,200.00
CONSTRUCTION TOTAL					\$ 1,555,200.00

INCIDENTALS

1	Engineering Design	4.6%	LS	\$ 79,000.00	\$ 79,000.00
2	Bidding & Negotiating	0.4%	HR	\$ 7,500.00	\$ 7,500.00
3	Engineering Construction Services	3.7%	HR	\$ 64,800.00	\$ 64,800.00
4	Topographic & Property Survey	0.6%	EST	\$ 10,000.00	\$ 10,000.00
5	Funding and Administrative Services	0.7%	EST	\$ 12,000.00	\$ 12,000.00
6	Miscellaneous Engineering Services	0.3%	EST	\$ 5,000.00	\$ 5,000.00
SUBTOTAL					\$ 178,300.00
TOTAL PROJECT COST					\$ 1,733,500.00

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Engineer's Opinion of Probable Cost

Upper Pressure Zone Improvements
 Project Location: Hildale City

17-Oct-23
 MCG/bcw

NO.	DESCRIPTION	EST. QTY	UNIT	UNIT PRICE	AMOUNT
GENERAL CONSTRUCTION					
1	Mobilization	5%	LS	\$ 29,100.00	\$ 29,100.00
2	Pre-Construction DVD	1	LS	\$ 1,500.00	\$ 1,500.00
3	Traffic Control	1	LS	\$ 7,500.00	\$ 7,500.00
4	Subsurface Investigation	16	HR	\$ 250.00	\$ 4,000.00
5	Materials Sampling & Testing	1	LS	\$ 10,000.00	\$ 10,000.00
6	Dust Control & Watering	1	LS	\$ 7,500.00	\$ 7,500.00
7	Construction Staking	1	LS	\$ 7,500.00	\$ 7,500.00
8	Erosion Control Compliance	1	LS	\$ 6,000.00	\$ 6,000.00
9	8" PVC (C900) Line, Fitting, Tracer Wire, Bedding, & Backfill	5,000	LF	\$ 65.00	\$ 325,000.00
10	8" Gate Valve Assembly	14	EA	\$ 5,000.00	\$ 70,000.00
11	Disconnect and Reconnect Water Services	6	EA	\$ 2,000.00	\$ 12,000.00
12	Restore Gravel Road	30,000	SF	\$ 3.25	\$ 97,500.00
13	Restore Surface Improvements	1	LS	\$ 10,000.00	\$ 10,000.00
14	Misc. Connections, Fittings, and Tie-Ins	1	LS	\$ 10,000.00	\$ 10,000.00
15	6" Fire Hydrant Assembly	2	EA	\$ 7,000.00	\$ 14,000.00
SUBTOTAL					\$ 611,600.00
				CONTINGENCY	20%
CONSTRUCTION TOTAL					\$ 733,900.00
INCIDENTALS					
1	Engineering Design	5.3%	LS	\$ 45,000.00	\$ 45,000.00
2	Bidding & Negotiating	0.9%	HR	\$ 7,500.00	\$ 7,500.00
3	Engineering Construction Services	3.6%	HR	\$ 30,600.00	\$ 30,600.00
4	Topographic & Property Survey	0.9%	EST	\$ 7,500.00	\$ 7,500.00
5	Funding and Administrative Services	1.4%	EST	\$ 12,000.00	\$ 12,000.00
6	Permitting	0.6%	EST	\$ 5,000.00	\$ 5,000.00
7	Miscellaneous Professional Services	0.6%	EST	\$ 5,000.00	\$ 5,000.00
SUBTOTAL					\$ 112,600.00
TOTAL PROJECT COST					\$ 846,500.00

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Engineer's Opinion of Probable Cost

Canyon Street Line
 Project Location: Hildale City

 17-Oct-23
 MCG/bcw

NO.	DESCRIPTION	EST. QTY	UNIT	UNIT PRICE	AMOUNT
GENERAL CONSTRUCTION					
1	Mobilization	5%	LS	\$ 12,400.00	\$ 12,400.00
2	Pre-Construction DVD	1	LS	\$ 1,500.00	\$ 1,500.00
3	Traffic Control	1	LS	\$ 10,000.00	\$ 10,000.00
4	Subsurface Investigation	8	HR	\$ 250.00	\$ 2,000.00
5	Materials Sampling & Testing	1	LS	\$ 10,000.00	\$ 10,000.00
6	Dust Control & Watering	1	LS	\$ 10,000.00	\$ 10,000.00
7	Construction Staking	1	LS	\$ 7,500.00	\$ 7,500.00
8	Erosion Control Compliance	1	LS	\$ 7,500.00	\$ 7,500.00
9	8" PVC (C900) Line, Fitting, Tracer Wire, Bedding, & Backfill	1,500	LF	\$ 65.00	\$ 97,500.00
10	8" Gate Valve Assembly	5	EA	\$ 5,000.00	\$ 25,000.00
11	Restore Surface Improvements	1	LS	\$ 10,000.00	\$ 10,000.00
12	Pavement Restoration	9,000	SF	\$ 6.00	\$ 54,000.00
13	Misc. Connections, Fittings, and Tie-Ins	1	LS	\$ 7,500.00	\$ 7,500.00
14	Reconnect Water Services	5	EA	\$ 1,200.00	\$ 6,000.00
SUBTOTAL					\$ 260,900.00
				CONTINGENCY 20%	\$ 52,200.00
CONSTRUCTION TOTAL					\$ 313,100.00
INCIDENTALS					
1	Engineering Design	6.4%	LS	\$ 25,000.00	\$ 25,000.00
2	Bidding & Negotiating	1.9%	HR	\$ 7,500.00	\$ 7,500.00
3	Engineering Construction Services	4.7%	HR	\$ 18,300.00	\$ 18,300.00
4	Topographic & Property Survey	1.9%	EST	\$ 7,500.00	\$ 7,500.00
5	Funding and Administrative Services	2.6%	EST	\$ 10,000.00	\$ 10,000.00
6	Permitting	1.3%	EST	\$ 5,000.00	\$ 5,000.00
7	Miscellaneous Engineering Services	0.6%	EST	\$ 2,500.00	\$ 2,500.00
SUBTOTAL					\$ 75,800.00
TOTAL PROJECT COST					\$ 388,900.00

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Engineer's Opinion of Probable Cost

Northwest Hildale Transmission Line
 Project Location: Hildale City

17-Oct-23
 MCG/bcw

NO.	DESCRIPTION	EST. QTY	UNIT	UNIT PRICE	AMOUNT
GENERAL CONSTRUCTION					
1	Mobilization	5%	LS	\$ 69,300.00	\$ 69,300.00
2	Traffic Control	1	LS	\$ 12,000.00	\$ 12,000.00
3	Pre-Construction DVD	1	LS	\$ 1,500.00	\$ 1,500.00
4	Dust Control & Watering	1	LS	\$ 20,000.00	\$ 20,000.00
5	Subsurface Investigation	8	HR	\$ 250.00	\$ 2,000.00
6	Restore Surface Improvements	1	LS	\$ 12,000.00	\$ 12,000.00
7	Erosion Control Compliance	2	LS	\$ 8,000.00	\$ 16,000.00
8	Construction Staking	1	LS	\$ 12,500.00	\$ 12,500.00
9	Materials Sampling & Testing	1	LS	\$ 12,000.00	\$ 12,000.00
10	Surface Restoration	32,500	SF	\$ 5.00	\$ 162,500.00
11	24" PVC (C900) Line, Fitting, Tracer Wire, Bedding, & Backfill	4,150	LF	\$ 150.00	\$ 622,500.00
12	24" Gate Valve Assembly	12	EA	\$ 9,500.00	\$ 114,000.00
13	16" PVC (C900) Line, Fitting, Tracer Wire, Bedding, & Backfill	2,350	LF	\$ 120.00	\$ 282,000.00
14	16" Gate Valve Assembly	12	EA	\$ 6,750.00	\$ 81,000.00
15	Misc. Connections, Fittings and Tie-ins	1	LS	\$ 35,000.00	\$ 35,000.00
SUBTOTAL					\$ 1,454,300.00
CONTINGENCY					20%
CONSTRUCTION TOTAL					\$ 1,745,200.00
INCIDENTALS					
1	Engineering Design	5.3%	LS	\$ 105,000.00	\$ 105,000.00
2	Bidding & Negotiating	0.4%	HR	\$ 7,500.00	\$ 7,500.00
3	Engineering Construction Services	3.7%	HR	\$ 72,700.00	\$ 72,700.00
4	Topographic & Property Survey	0.8%	EST	\$ 15,000.00	\$ 15,000.00
5	Funding and Administrative Services	0.6%	EST	\$ 12,000.00	\$ 12,000.00
6	Permitting	0.3%	EST	\$ 5,000.00	\$ 5,000.00
7	Miscellaneous Engineering Services	0.8%	EST	\$ 15,000.00	\$ 15,000.00
SUBTOTAL					\$ 232,200.00
TOTAL PROJECT COST					\$ 1,977,400.00

In providing opinions of probable construction cost, the Client understands that the Engineer has no control over costs or the price of labor, equipment or materials, or over the Contractor's method of pricing, and that the opinion of probable construction cost provided herein is made on the basis of the Engineer's qualifications and experience. The Engineer makes no warranty, expressed or implied, as to the accuracy of such opinions compared to bid or actual costs.

Engineer's Opinion of Probable Cost

Hildale Street Line

17-Oct-23

Project Location: Colorado City

MCG/bcw

NO.	DESCRIPTION	EST. QTY	UNIT	UNIT PRICE	AMOUNT
GENERAL CONSTRUCTION					
1	Mobilization	5%	LS	\$ 13,200.00	\$ 13,200.00
2	Pre-Construction DVD	1	LS	\$ 1,500.00	\$ 1,500.00
3	Traffic Control	1	LS	\$ 18,000.00	\$ 18,000.00
4	Subsurface Investigation	4	HR	\$ 250.00	\$ 1,000.00
5	Materials Sampling & Testing	1	LS	\$ 7,500.00	\$ 7,500.00
6	Dust Control & Watering	1	LS	\$ 7,500.00	\$ 7,500.00
7	Construction Staking	1	LS	\$ 7,000.00	\$ 7,000.00
8	Erosion Control Compliance	1	LS	\$ 7,500.00	\$ 7,500.00
9	8" PVC (C900) Line, Fitting, Tracer Wire, Bedding, & Backfill	2,650	LF	\$ 65.00	\$ 172,250.00
10	8" Gate Valve Assembly	7	EA	\$ 5,000.00	\$ 33,125.00
11	Restore Surface Improvements	1	LS	\$ 8,500.00	\$ 8,500.00
SUBTOTAL					\$ 277,075.00
CONTINGENCY				20%	\$ 55,415.00
CONSTRUCTION TOTAL					\$ 332,490.00
INCIDENTALS					
1	Engineering Design	5.5%	LS	\$ 25,000.00	\$ 25,000.00
2	Bidding & Negotiating	1.7%	HR	\$ 7,500.00	\$ 7,500.00
3	Engineering Construction Services	4.3%	HR	\$ 19,400.00	\$ 19,400.00
4	Topographic & Property Survey	1.7%	EST	\$ 7,500.00	\$ 7,500.00
5	Funding and Administrative Services	2.2%	EST	\$ 10,000.00	\$ 10,000.00
6	Land & RoW Negotiation/Acquisition	11.0%	EST	\$ 50,000.00	\$ 50,000.00
7	Miscellaneous Engineering Services	0.6%	EST	\$ 2,500.00	\$ 2,500.00
SUBTOTAL					\$ 121,900.00
TOTAL PROJECT COST					\$ 454,390.00

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Engineer's Opinion of Probable Cost

Southwest Hildale Transmission Line
 Project Location: Hildale City

17-Oct-23
 MCG/bcw

NO.	DESCRIPTION	EST. QTY	UNIT	UNIT PRICE	AMOUNT
GENERAL CONSTRUCTION					
1	Mobilization	5%	LS	\$ 28,400.00	\$ 28,400.00
2	Traffic Control	1	LS	\$ 12,000.00	\$ 12,000.00
3	Pre-Construction DVD	1	LS	\$ 1,500.00	\$ 1,500.00
4	Dust Control & Watering	1	LS	\$ 20,000.00	\$ 20,000.00
5	Subsurface Investigation	8	HR	\$ 250.00	\$ 2,000.00
6	Restore Surface Improvements	1	LS	\$ 12,000.00	\$ 12,000.00
7	Erosion Control Compliance	2	LS	\$ 8,000.00	\$ 16,000.00
8	Construction Staking	1	LS	\$ 12,500.00	\$ 12,500.00
9	Materials Sampling & Testing	1	LS	\$ 12,000.00	\$ 12,000.00
10	Roadway Restoration	9,000	SF	\$ 6.00	\$ 54,000.00
11	12" PVC (C900) Line, Fitting, Tracer Wire, Bedding, & Backfill	1,900	LF	\$ 110.00	\$ 209,000.00
12	12" Gate Valve Assembly	12	EA	\$ 6,750.00	\$ 81,000.00
13	PRV and Vault	1	LS	\$ 100,000.00	\$ 100,000.00
14	Misc. Connections, Fittings and Tie-ins	1	LS	\$ 35,000.00	\$ 35,000.00
SUBTOTAL					\$ 595,400.00
				CONTINGENCY	20%
CONSTRUCTION TOTAL					\$ 714,500.00
INCIDENTALS					
1	Engineering Design	11.6%	LS	\$ 105,000.00	\$ 105,000.00
2	Bidding & Negotiating	0.8%	HR	\$ 7,500.00	\$ 7,500.00
3	Engineering Construction Services	3.3%	HR	\$ 29,800.00	\$ 29,800.00
4	Topographic & Property Survey	1.7%	EST	\$ 15,000.00	\$ 15,000.00
5	Funding and Administrative Services	1.3%	EST	\$ 12,000.00	\$ 12,000.00
6	Permitting	0.6%	EST	\$ 5,000.00	\$ 5,000.00
7	Miscellaneous Engineering Services	1.7%	EST	\$ 15,000.00	\$ 15,000.00
SUBTOTAL					\$ 189,300.00
TOTAL PROJECT COST					\$ 903,800.00

In providing opinions of probable construction cost, the Client understands that the Engineer has no control over costs or the price of labor, equipment or materials, or over the Contractor's method of pricing, and that the opinion of probable construction cost provided herein is made on the basis of the Engineer's qualifications and experience. The Engineer makes no warranty, expressed or implied, as to the accuracy of such opinions compared to bid or actual costs.

Engineer's Opinion of Probable Cost

Transmission Line to Airport
 Project Location: Colorado City

 17-Oct-23
 MCG/bcw

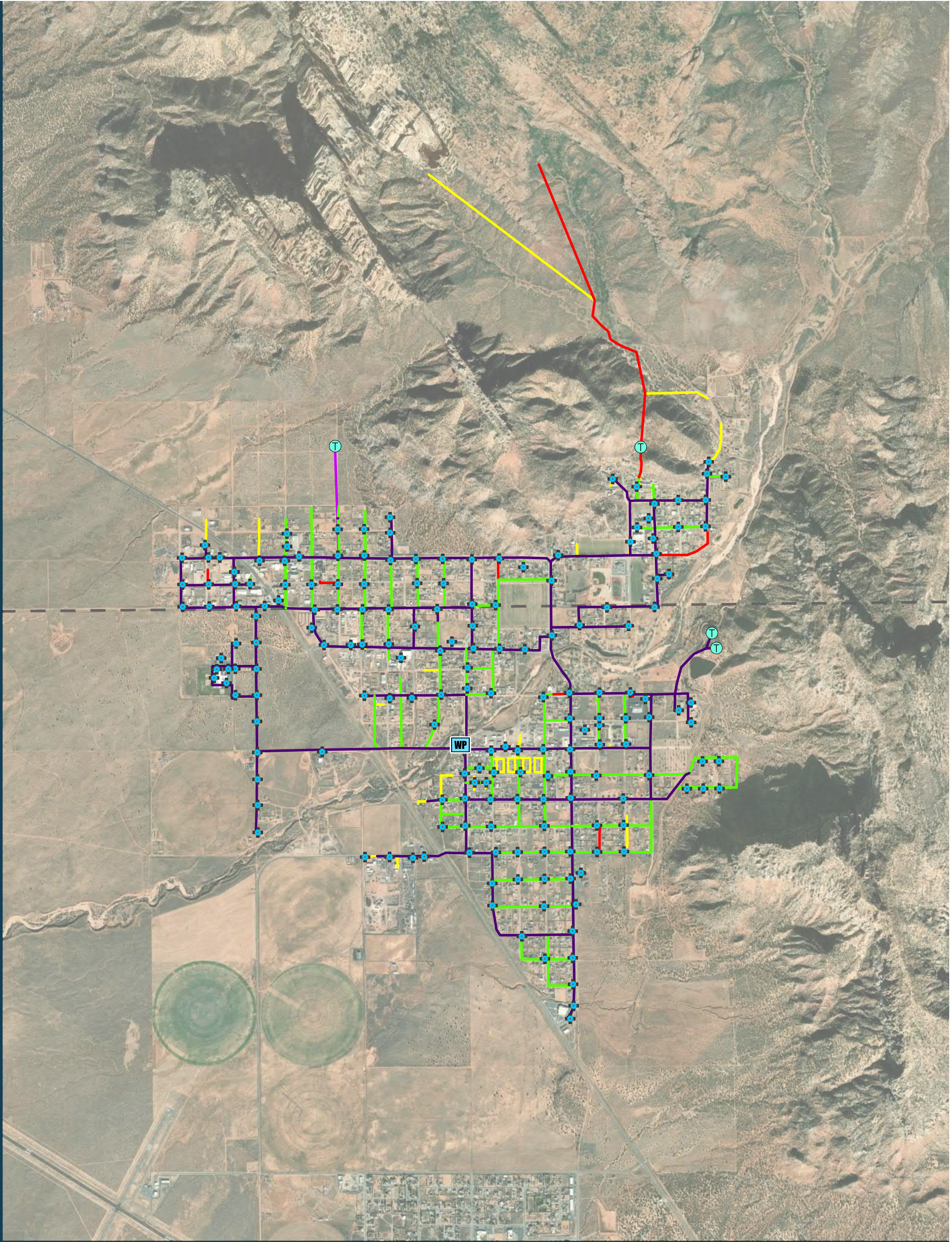
NO.	DESCRIPTION	EST. QTY	UNIT	UNIT PRICE	AMOUNT
GENERAL CONSTRUCTION					
1	Mobilization	5%	LS	\$ 71,600.00	\$ 71,600.00
2	Traffic Control	1	LS	\$ 12,000.00	\$ 12,000.00
3	Pre-Construction DVD	1	LS	\$ 1,500.00	\$ 1,500.00
4	Dust Control & Watering	1	LS	\$ 20,000.00	\$ 20,000.00
5	Subsurface Investigation	8	HR	\$ 250.00	\$ 2,000.00
6	Restore Surface Improvements	1	LS	\$ 12,000.00	\$ 12,000.00
7	Erosion Control Compliance	2	LS	\$ 8,000.00	\$ 16,000.00
8	Construction Staking	1	LS	\$ 12,500.00	\$ 12,500.00
9	Materials Sampling & Testing	1	LS	\$ 12,000.00	\$ 12,000.00
10	Roadway Restoration	42,750	SF	\$ 6.00	\$ 256,500.00
11	10" PVC (C900) Line, Fitting, Tracer Wire, Bedding, & Backfill	650	LF	\$ 90.00	\$ 58,500.00
12	10" Gate Valve Assembly	2	EA	\$ 5,250.00	\$ 10,500.00
13	12" PVC (C900) Line, Fitting, Tracer Wire, Bedding, & Backfill	7,900	EA	\$ 110.00	\$ 869,000.00
14	12" Gate Valve Assembly	17	EA	\$ 6,750.00	\$ 114,750.00
15	Misc. Connections, Fittings and Tie-ins	1	LS	\$ 35,000.00	\$ 35,000.00
SUBTOTAL					\$ 1,503,850.00
CONTINGENCY				20%	\$ 300,800.00
CONSTRUCTION TOTAL					\$ 1,804,650.00
INCIDENTALS					
1	Engineering Design	5.1%	LS	\$ 105,000.00	\$ 105,000.00
2	Bidding & Negotiating	0.4%	HR	\$ 7,500.00	\$ 7,500.00
3	Engineering Construction Services	3.7%	HR	\$ 75,200.00	\$ 75,200.00
4	Topographic & Property Survey	0.7%	EST	\$ 15,000.00	\$ 15,000.00
5	Funding and Administrative Services	0.6%	EST	\$ 12,000.00	\$ 12,000.00
6	Permitting	0.2%	EST	\$ 5,000.00	\$ 5,000.00
7	Miscellaneous Engineering Services	0.7%	EST	\$ 15,000.00	\$ 15,000.00
SUBTOTAL					\$ 234,700.00
TOTAL PROJECT COST					\$ 2,039,350.00

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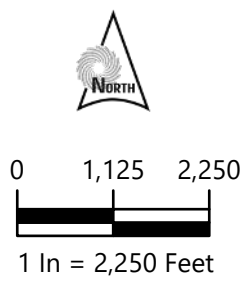
APPENDIX D

System Maps

EXISTING WATER SYSTEM



MAP LEGEND



- Water Mains
- 2"
 - 4"
 - 6"
 - 8"
 - 12"

- Water Hydrants
- Water Tank
- Treatment Plant

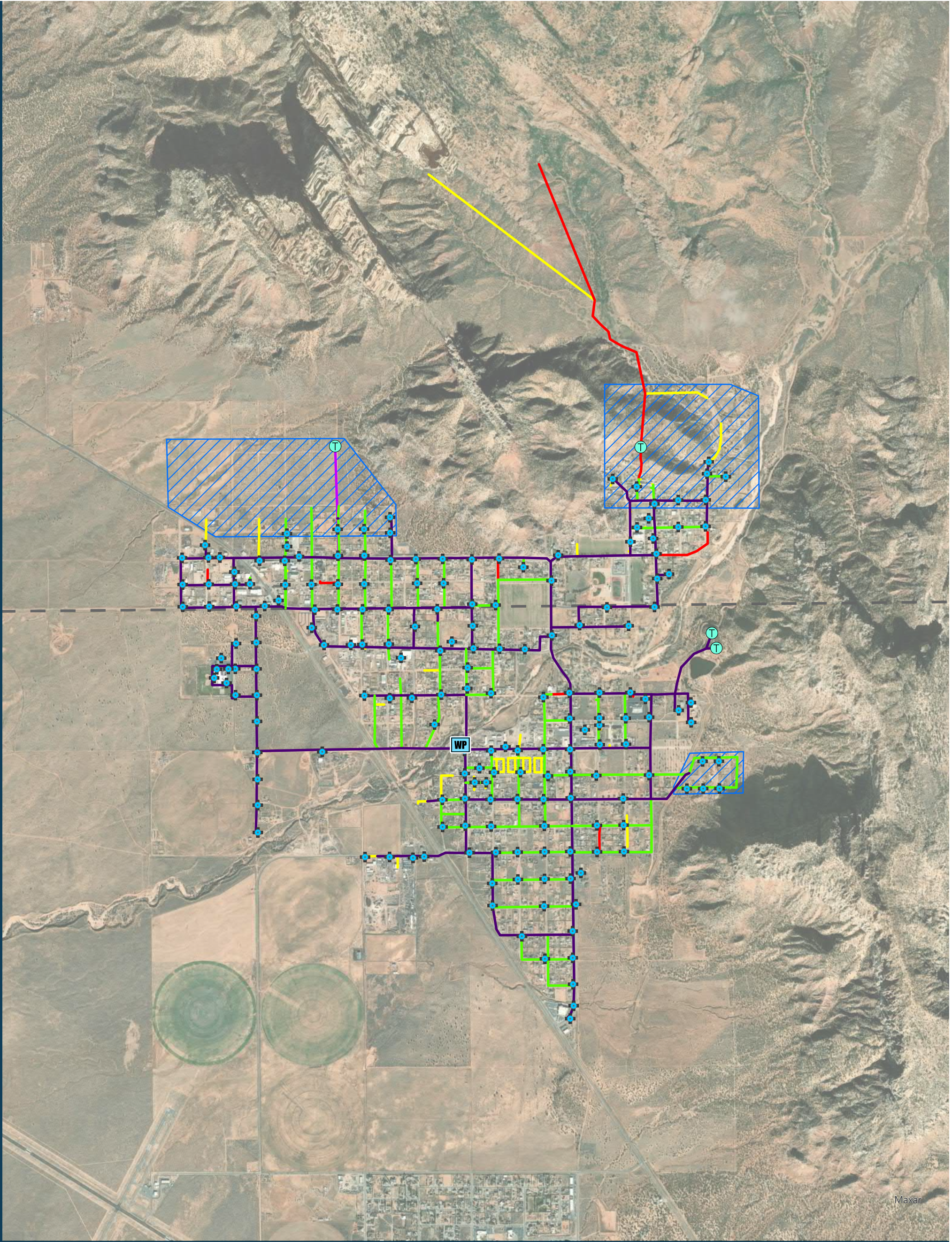
- State Boundary



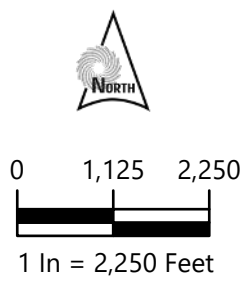
Map Date: 10.27.2023



LOW FIRE FLOW AREA



MAP LEGEND



- Water Mains
- 2"
 - 4"
 - 6"
 - 8"
 - 12"

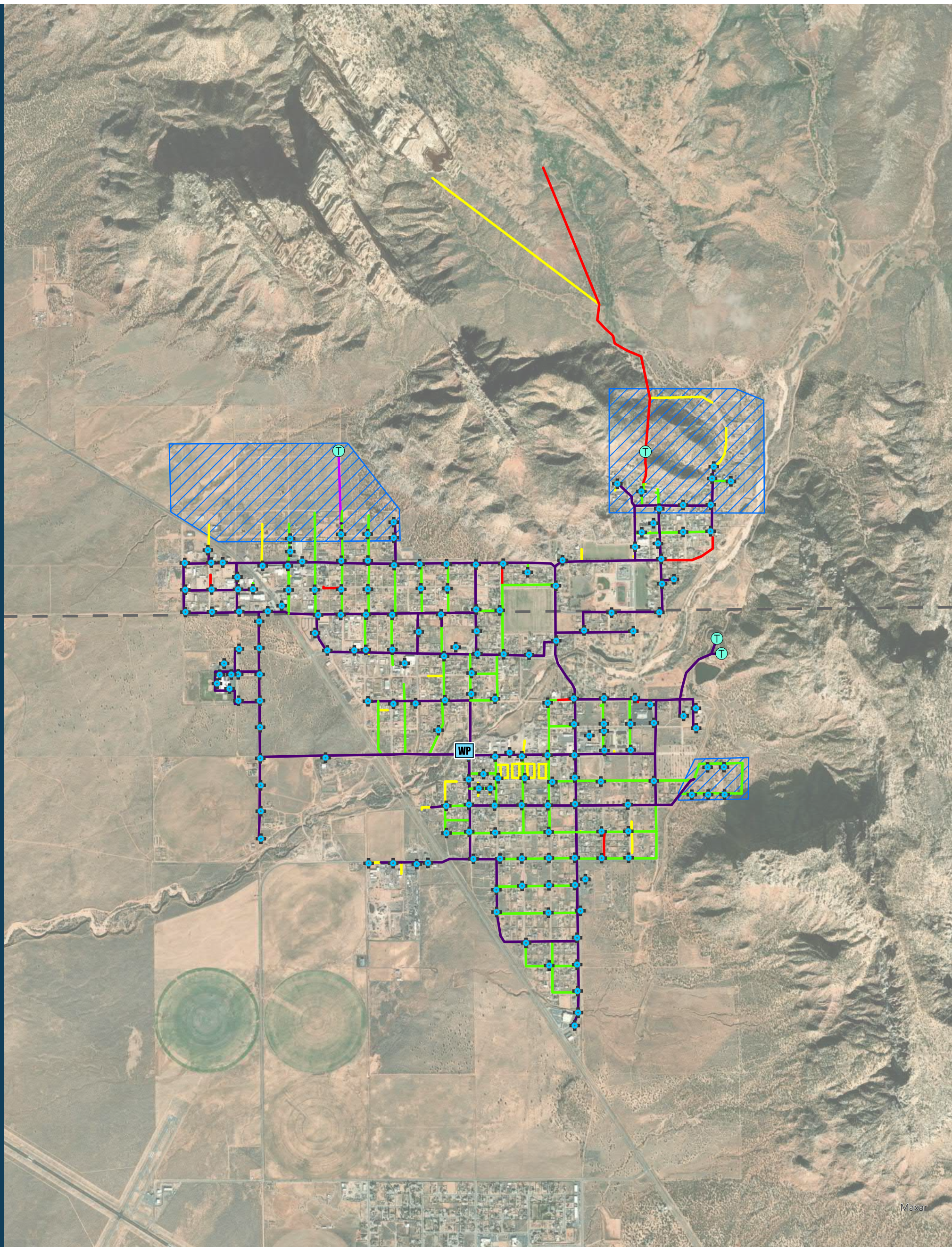
- Water Hydrants
- Water Tank
- Treatment Plant
- Pressure Zones
- State Boundary



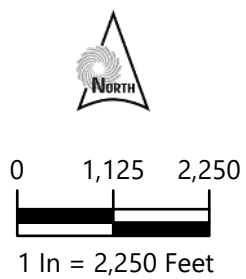
Map Date: 10.27.2023



LOW PRESSURE DURING PDD SCENARIO



MAP LEGEND



- Water Mains**
- 2"
 - 4"
 - 6"
 - 8"
 - 12"

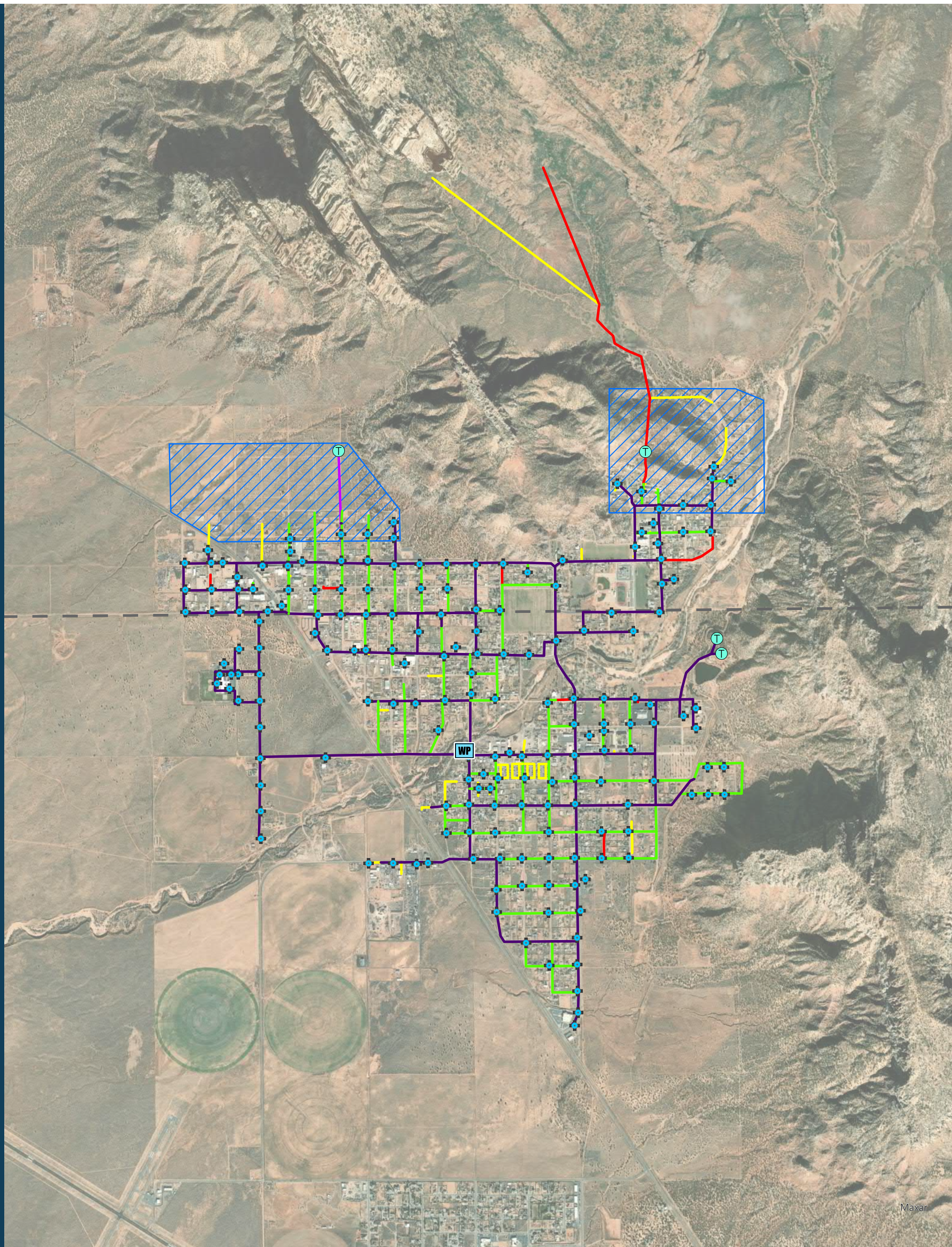
- Water Hydrants
- Water Tank
- Treatment Plant
- Pressure Zones
- State Boundary



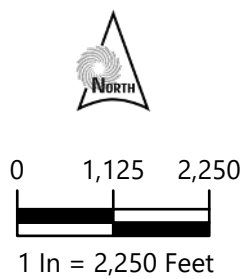
Map Date: 10.27.2023



LOW PRESSURE DURING PID SCENARIO



MAP LEGEND



- Water Mains**
- 2"
 - 4"
 - 6"
 - 8"
 - 12"

- + Water Hydrants
- T Water Tank
- WP Treatment Plant
- Pressure Zones

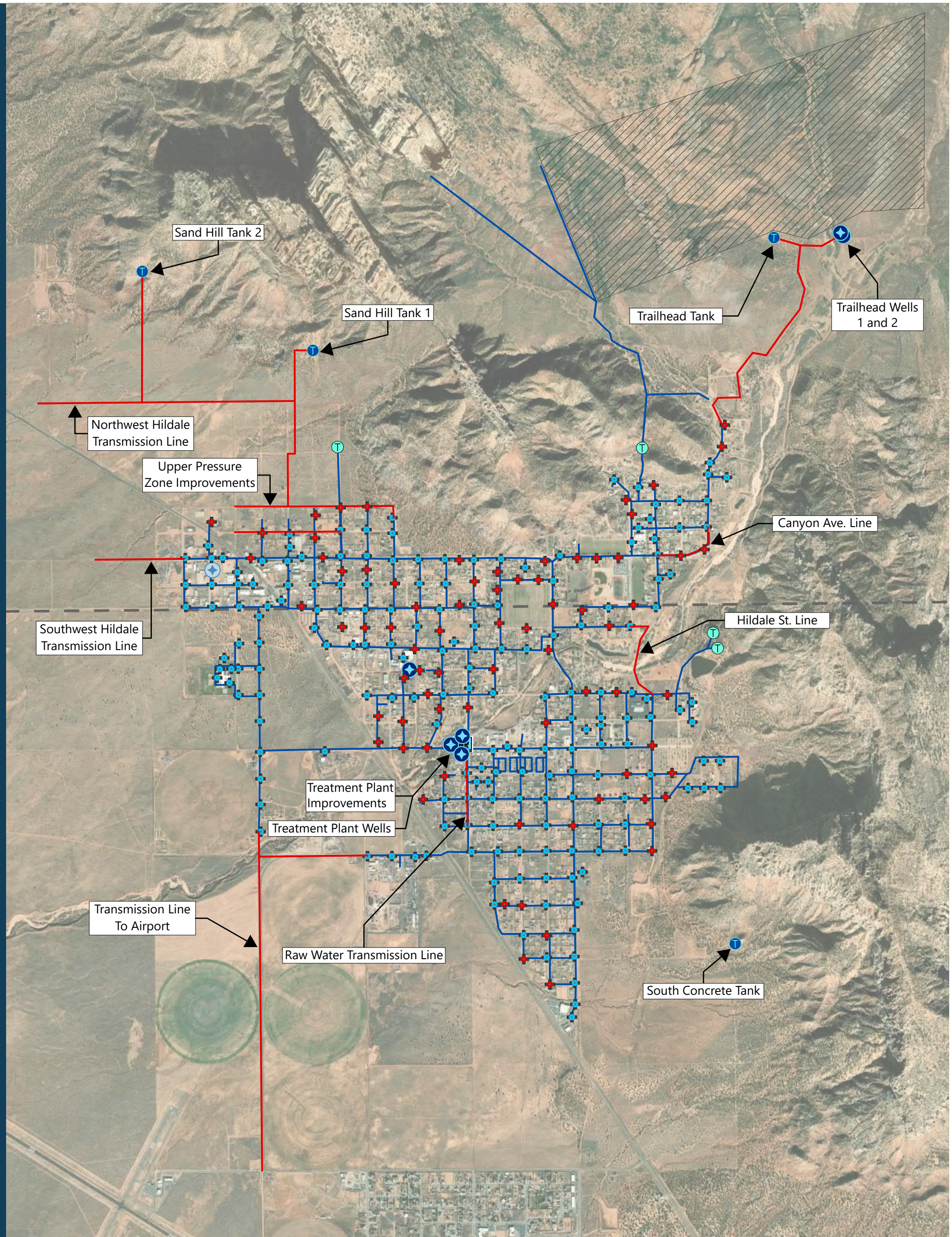
- State Boundary



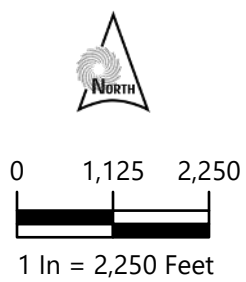
Map Date: 10.27.2023



RECOMMENDED IMPROVEMENTS



MAP LEGEND



Recommended Improvements

- Water Mains
- + Water Hydrants
- T Water Tank
- + Production Well
- Hildale Ground Water Project Area

Existing Water System

- Water Mains
- + Water Hydrants
- T Water Tank
- + Production Well
- WP Treatment Plant

State Boundary

- State Boundary



Map Date: 10.27.2023



APPENDIX E

Impact Fee Analysis

Impact Fee Projects & Impact Fee Eligibility

Source Projects	Current Costs	Year	Costs w/ Inflation*	Financed Costs**	% IF EL.	IF EL. Cost	% Hildale	Hildale IF EL. Cost	% Colorado City	Colorado City IF EL. Cost
Treatment Plant Wells	\$ 1,288,700.00	2024	\$ 1,327,361	\$ 976,695	0.0%	\$ -	50%	\$ -	50%	\$ -
5 Year AZ Well Field	\$ 3,333,400.00	2026	\$ 3,642,496	\$ 2,680,212	84.3%	\$ 2,259,419	50%	\$ 1,129,709.00	50%	\$ 1,129,709.55
5 Year UT Well Field	\$ 6,923,700.00	2026	\$ 7,565,714	\$ 5,566,985	84.3%	\$ 4,692,968	50%	\$ 2,346,484.00	50%	\$ 2,346,484.07
10 Year AZ Well Field	\$ 3,809,600.00	2032	\$ 4,970,664	\$ 3,657,502	100.0%	\$ 3,657,502	50%	\$ 1,828,750.00	50%	\$ 1,828,750.76
10 Year UT Well Field	\$ 7,912,800.00	2032	\$ 10,324,409	\$ 7,596,881	100.0%	\$ 7,596,881	50%	\$ 3,798,440.00	50%	\$ 3,798,440.52
			Sub total	\$ 20,478,275		\$ 18,206,770		\$ 9,103,383		\$ 9,103,385
Storage Projects										
Sandhill Tank 1	\$ 5,938,100.00	2025	\$ 6,299,730	\$ 4,635,452	100.0%	\$ 4,635,452	70%	\$ 3,244,816.00	30%	\$ 1,390,635.54
			Sub total	\$ 4,635,452		\$ 4,635,452		\$ 3,244,816		\$ 1,390,636
Water Treatment Projects										
Raw Water Transmission Line	\$ 1,092,500.00	2024	\$ 1,125,275	\$ 827,997	0.0%	\$ -	50%	\$ -	50%	\$ -
Small Treatment Plant (1,600 gpm)	\$ 5,904,800.00	2025	\$ 6,264,402	\$ 4,609,457	100.0%	\$ 4,609,457	50%	\$ 2,304,728.00	50%	\$ 2,304,728.44
			Sub total	\$ 5,437,454		\$ 4,609,457		\$ 2,304,728		\$ 2,304,728
Distribution System Projects										
Fire Hydrant Project	\$ 1,733,500.00	2024	\$ 1,785,505	\$ 1,313,806	0.0%	\$ -	50%	\$ -	50%	\$ -
Upper Pressure Zone Improvements	\$ 846,500.00	2026	\$ 924,993	\$ 680,626	50.0%	\$ 340,313	100%	\$ 340,313.00	0%	\$ -
Canyon St. Line	\$ 388,900.00	2028	\$ 450,842	\$ 331,737	0.0%	\$ -	50%	\$ -	50%	\$ -
Northwest Hildale Transmission Line	\$ 1,977,400.00	2028	\$ 2,292,349	\$ 1,686,750	100.0%	\$ 1,686,750	100%	\$ 1,686,750.00	0%	\$ -
Hildale St. Line	\$ 454,390.00	2030	\$ 558,842	\$ 411,206	0.0%	\$ -	50%	\$ -	50%	\$ -
			Sub total	\$ 4,424,126		\$ 2,027,063		\$ 2,027,063		\$ -
Future Planning Projects										
Capital Facilities Plan and IFFP & IFA Updat	\$ 60,000	2028	\$ 69,556	\$ 79,474	100.0%	\$ 79,474	50%	\$ 39,737.00	50%	\$ 39,737.17
			Sub total	\$ 79,474		\$ 79,474		\$ 39,737		\$ 39,737
			Total	\$ 35,054,781		\$ 29,558,216		Impact Fee Amount \$ 16,719,727		Impact Fee Amount \$ 12,838,486

* Inflation is assumed at 3%

**Financed costs assume a 20-year 4% interest loan

Number ERU Start 2024	468	Number ERU Start 2024	847
Number ERU End 2033	1,797	Number ERU End 2033	1,934
Number New ERU	1,329	Number New ERU	1,087
Impact Fee per ERU	\$ 12,580.00	Impact Fee per ERU	\$ 11,807.00

From: Eric Duthie, Hildale City Manager
To: Hildale City Council;
Date: January 9, 2024
Subject: Zone Change request

Applicant Name: United Effort Plan / Jared Bistline
Agent: Thomas Timpson
Application Type: Zone Change request
Project Address: 985 W. Field Avenue, Hildale, UT 84784
Current Zoning: RA-1
Requested Zoning: RM-2
Date: December 21, 2023
Prepared by: City Manager Eric Duthie

Summary of Application

The Applicant is requesting approval of a Zone Change.

Request 1:

Amend the zoning map to re-zone Parcel HD-SHCR-2-38, commonly addressed as 985 W. Field Avenue, Hildale, Utah from the current Residential Agriculture Zone (RA-1) to Residential Multifamily 2 Zone (RM-2). Should the zone change be approved, the applicant intends to build multi-family units.

Background

The applicant submitted the application on November 2, 2023, to the Hildale City offices and paid the fee of \$100.

The applicant submitted all required documents identified in the application.

The applicant provided addressed, stamped envelopes for all property owners within the required boundary of the subject property.

City staff prepared a Rezone Letter for Neighboring Properties and mailed the letters within the required notice time (included).

The Public Hearing for this zone change request was noticed, as required.

General Plan and Zoning

The property is bounded on the North by Field Avenue; On the East by an alleyway; On the South by 660 N Maple Street; and on the West by Maple Street. The Property immediately to the South, East, and North are zoned Residential Agriculture 1 (RA-1); The property adjacent to the Northwest is zoned General Commercial (GC); and the property immediately to the West is zoned Public Facilities (PF).

Analysis

The zone change request complies with required standards for approval, as identified in Hildale Planning and Zoning ordinance, section 152-13-3 Uses allowed; and Sec 152-13-4 Development Standards In Residential Zones, as follows:

Sec 152-13-3 Uses Allowed

1. Permitted And Conditional Uses:
 Permitted and conditional uses allowed within residential zones shall be as set forth in table 152-13-1 of this section. Permitted and conditional uses are indicated by a "P" or "C", respectively, in the appropriate column. Uses not permitted are indicated by "N". Any use not shown on table 152-13-1 of this section shall be prohibited unless the zoning administrator determines the use is substantially the same as a permitted or conditional use as provided in subsection 152-7-18E4 of this chapter.

TABLE 152-13-1 PERMITTED AND CONDITIONAL USES ALLOWED IN RESIDENTIAL ZONES

PERMITTED AND CONDITIONAL USES ALLOWED IN RESIDENTIAL ZONES								
		Zones						
		R1-15	R1-10	R1-8	RM-1	RM-2	RM-3	MH/RV
Residential uses:								
	Dwelling, multiple family	N	N	N	P	P	P	N
	Dwelling, two-family	N	N	N	P	P	P	N

Sec 152-13-4 Development Standards In Residential Zones

Development standards within residential zones shall be as set forth in table 152-13-2 of this section.

TABLE 152-13-2

DEVELOPMENT STANDARDS IN RESIDENTIAL ZONES							
	Zones						
Development Standard	R1-25	R1-15	R1-10	R1-8	RM-1	RM-2	RM-3
Lot standards:							
Average lot area ²	15,000 sq. ft.	15,000 sq. ft.	10,000 sq. ft.	8,000 sq. ft.	n/a	n/a	n/a
Minimum lot area or acreage	12,000 sq. ft.	12,000 sq. ft.	8,000 sq. ft.	6,400 sq. ft.	10,000 sq. ft.	1 acre	1 acre
Minimum lot width and/or project frontage	89 ft.	90 ft.	80 ft.	70 ft.	80 ft. project	100 ft. project	200 ft. project
					30 ft. unit	30 ft. unit	30 ft. unit
/	n/a	n/a	n/a	n/a	6 units/lots	10 units/lots	15 units/lots
Building standards:							
Maximum height, main building ³	34 ft.	35 ft.	35 ft.	35 ft.	35 ft.	35 ft.	35 ft.
Maximum height, accessory building ⁴	19 ft.	20 ft.	20 ft.	20 ft.	20 ft.	20 ft.	20 ft.
Maximum size,	1,200 sq. ft.	1,200 sq. ft.	1,200 sq. ft.	500 sq. ft.	1,000 sq. ft.	1,000 sq. ft.	500 sq. ft.

accessory building							
Building coverage: See subsection 10-37-12I of this title	50% of lot	50% of lot	50% of lot	50% of lot	50% of lot	50% of lot	50% of lot
Distance between buildings	No requirement	No requirement	No requirement	No requirement	20 ft.	20 ft.	20 ft.
Setback standards - front yard:							
Any building ⁵	24 ft.	25 ft.	25 ft.	25 ft.	25 ft.	25 ft.	25 ft.
Setback standards - rear yard:							
Main building	19 ft.	20 ft.	20 ft.	10 ft.	10 ft.	10 ft.	10 ft.
Accessory building, including private garage ⁶	19 ft.	20 ft.	20 ft.	10 ft.	10 ft.	10 ft.	10 ft.
Setback standards - interior side yard:							
Main building	9 ft.	10 ft.	10 ft.	10 ft.	10 ft.	10 ft.	10 ft.
Accessory building, including private garage	See note 6	See note 6	See note 6	See note 6	See note 6	See note 6	See note 6

Setback standards - street side yard:							
Main building ⁷	19 ft.	20 ft.	20 ft.	20 ft.	20 ft.	20 ft.	20 ft.
Accessory building	See note 6	See note 6	See note 6	See note 6	See note 6	See note 6	See note 6

Notes:

1. Duplex is only permitted on first 10,000 square feet. Any additional units must meet density per acre standards.
2. "Average size" means the total acreage devoted to lots divided by the number of lots. Net density definition shall apply.
3. Except as otherwise permitted by subsection 152-13-7C of this chapter.
4. Except as otherwise permitted by subsection 152-13-7B of this chapter.
5. Except as modified by the provisions of subsection 152-37-12F, "Setback Measurement", of this chapter.
6. If located at least 10 feet from main building, 2 feet from the dripline of the roof. Otherwise, same as for main building.
7. When this side setback is required, rear setback may be reduced to 10 feet.

Recommendation

The Planning and Zoning Commission moved to recommend approval of the zone change request to the Hildale City Council for the January 2024 regular City Council meeting. Staff concurs with that recommendation.

Sample Motions – ZONING CHANGE

I move to recommend approval the zoning map amendment requested for Parcel HD-SHCR-2-38, commonly addressed as 985 W. Field Avenue, Hildale, Utah from the current Residential Agriculture Zone (RA-1) to Residential Multifamily 2 Zone (RM-2) as recommended by the Hildale City Planning and Zoning Commission on December 21, 2023.

Attachments

- a. Zone Change Application
- b. Property Owner/Agent Affidavit
- c. Fee payment receipt
- d. Warranty Deed (2 pages)
- e. Washington County Property Report for parcel HD-SHCR-2-38 (3pages)
- f. Hildale City Zoning District map

- g. Neighboring property owners list for notices
- h. Draft copy Rezone Letter for Neighboring Properties, including map (2 pages)
- i. Public Hearing Notice

- g. Neighboring property owners list for notices
- h. Draft copy Rezone Letter for Neighboring Properties, including map (2 pages)
- i. Public Hearing Notice



Item 10.

☎ 435-874-2323

☎ 435-874-2603

🌐 www.hildalecity.com

ZONE CHANGE APPLICATION

Fee: ~~\$1000~~ ^{100.00}

<i>For Office Use Only:</i>	
File No.	_____
Receipt No.	<u>1053579</u>

Name: United Effort Plan / Jared Bistline Telephone: 435-668-1095 *Angeleke*

Address: PO Box 959 Hildale, UT 84784 Fax No. _____

Agent (If Applicable): Thomas Timpson Telephone: 435-619-6477

Email: t.c.timpson@live.com

Address/Location of Subject Property: 985 W Field Ave, Hildale, UT 84784

Tax ID of Subject Property: HD-SHCR-2-38 Existing Zone District: RA-1
Short Creek 2 (HD), Lot: 38

Proposed Zoning District and reason for the request (Describe, use extra sheet if necessary)

Rezone parcel to RM-2 for the purpose of building multi-family units.

Submittal Requirements: The zone change application shall provide the following:

- a. The name and address of every person or company the applicant represents.
- b. An accurate property map showing the existing and proposed zoning classifications.
- c. All abutting properties showing present zoning classifications.
- d. An accurate legal description of the property to be rezoned.
- e. Stamped envelopes with the names and addresses of all property owners within 250 feet of the boundaries of the property proposed for rezoning.
- f. Warranty deed or preliminary title report or other document (see attached Affidavit) showing evidence that the applicant has control of the property

Note: It is important that all applicable information noted above along with the fee is submitted with the application. An incomplete application will not be scheduled for Planning Commission consideration. Planning Commission meetings are held on the third Monday of each month at 6:30 p.m. The deadline date to submit the application is 10 business days prior to the scheduled meeting. Once your application is deemed complete, it will be put on the agenda for the next Planning Commission meeting. A deadline missed or an incomplete application could result in a month's delay.

(OFFICE USE ONLY)

Date Received: _____ Application Complete: YES NO

Date application deemed to be complete: _____ Completion determination made by: _____



ZONE CHANGE APPLICATION (General Information)

PURPOSE

All lands within the City are zoned for a specific type of land use (single family residential, multi-family, commercial, industrial, etc.). Zoning occurs to provide for a relationship between various types of land uses which promotes the health, safety, welfare, order, economics, and aesthetics of the community. Zoning is one of the main tools used to implement the City's General Plan.

WHEN REQUIRED

A zone change request is required any time a property owner desires to make a significant change to the use of his/her land. The change may be from one zone density (say 1 acre lots) to smaller lots (10,000 square foot lots). Or, it may be to an entirely different type of use, such as a change from single family zoning to multiple family or commercial zoning. Since the zone applied to your land limits what you can do, a rezoning application is typically the first step toward a change.

REQUIRED CONSIDERATIONS TO APPROVE A ZONE CHANGE

When approving a zone change the following factors should be considered by the Planning Commission and City Council:

1. Whether the proposed amendment is consistent with the Goals, Objectives, and Policies of the City's General Plan.
2. Whether the proposed amendment is harmonious with the overall character of existing development in the vicinity of the subject property.
3. The extent to which the proposed amendment may adversely affect adjacent property; and
4. The adequacy of facilities and services intended to serve the subject property, including, but not limited to roadways, parks and recreation facilities, police and fire protection, schools, storm water drainage systems, water supplies, and wastewater and refuse collection.

PROCESS

Contact the Planning Department for when the deadline for submission is. After it is deemed complete, staff will review the request, and prepare a report and recommendation for the Planning Commission. This will be reviewed at a public hearing where the applicant should attend, present the project, and respond to questions from the Planning Commission. Since it is a public hearing, members of the public may also have questions or comments. At the public hearing the Planning Commission will review the application and staff's report and forward a recommendation to the City Council for approval, approval with modifications, or denial of the zone change application.

Upon receipt of the Planning Commission recommendation, typically 1-2 weeks after the Planning Commission action, the City Council will consider and act on the Commission's recommendation. The action of the City Council is final. If denied, a similar application generally cannot be heard for a year.

AFFIDAVIT
PROPERTY OWNER

STATE OF UTAH)

COUNTY OF)

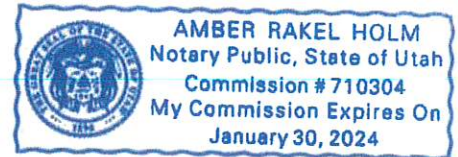
I (we), United Effort Plan, being duly sworn, depose and say that I (we) am (are) the owner(s) of the property identified in the attached application and that the statements herein contained, and the information provided identified in the attached plans and other exhibits are in all respects true and correct to the best of my (our) knowledge. I (we) also acknowledge that I have received written instructions regarding the process for which I am applying, and the Hildale City Planning staff have indicated they are available to assist me in making this application.

[Signature], EXEC. DIRECTOR
(Property Owner)

(Property Owner)

Subscribed and sworn to me this 2nd day of November 2023

[Signature]
(Notary Public)



Residing in: Hildale, Utah

My Commission Expires: 1-30-2024

Agent Authorization

I (we), United Effort Plan, the owner(s) of the real property described in the attached application, do authorize as my (our) agent(s) Thomas Timpson to represent me (us) regarding the attached application and to appear on my (our) behalf before any administrative or legislative body in the City considering this application and to act in all respects as our agent in matters pertaining to the attached application.

[Signature], EXEC. DIRECTOR
(Property Owner)

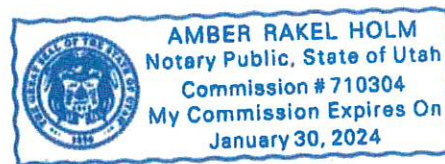
(Property Owner)

Subscribed and sworn to me this 2nd day of November 2023

[Signature]
(Notary Public)

Residing in: Hildale, Utah

My Commission Expires: 1-30-2024



Hildale City
320 East Newel Avenue
P. O. Box 840490
Hildale UT 84784-0490 435-874-2323

Receipt No: 1.053579 Nov 2, 2023

SANDSARC

Previous Balance:	.00
MISCELLANEOUS	
ZONE CHANGE APPLICATION	100.00
Total:	100.00
Check - Zions Bank	
Check No: 0077	100.00
Payor:	
SANDSARC	
Total Applied:	100.00
Change Tendered:	.00

11/02/2023 1:36 PM



MAP

NAME: **SHORT CREEK SUBDIVISION #2**

LOTS: 45 MAP #3405

PARCEL NUMBER: HD-0-3-33-342 HD-0-3-33-301

**UNITED EFFORT PLAN
BRUCE R. WISAN TR**

LEGAL DESCRIPTION:

A TRACT OF LAND LOCATED IN SECTION 33, TOWNSHIP 43 SOUTH, RANGE 10 WEST, SALT LAKE BASE AND MERIDIAN, WASHINGTON COUNTY, UTAH, BEING FURTHER DESCRIBED AS FOLLOWS:

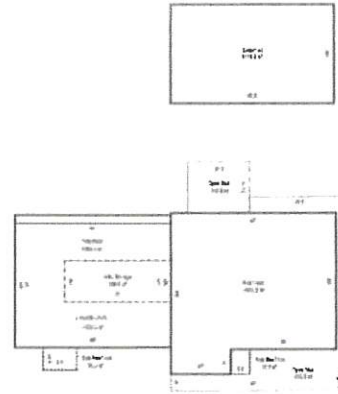
BEGINNING AT THE CENTER OF SAID SECTION 33; THENCE S 0°04'51" E 1240.83 FEET TO THE GLO LOCATION OF THE SOUTH 1/4 CORNER OF SAID SECTION 33, POINT ALSO BEING ON THE STATE LINE OF UTAH AND ARIZONA AS DEFINED BETWEEN MILE POSTS 58 AND 60.19 BY PREVIOUS COLORADO CITY STREET DEDICATION PLATS; THENCE S 89°53'30" W 1977.90 FEET ALONG SAID STATE LINE; THENCE N 0°05'52" W 636.25 FEET; THENCE N 0°05'12" W 609.29 FEET TO A FOUND PK-NAIL, POINT BEING S 0°03'55" E 0.22 FEET FROM THE EAST-WEST CENTER SECTION LINE OF SAID SECTION 33; THENCE S 89°57'40" E A DISTANCE OF 1319.64 FEET; THENCE S 89°59'36" E 658.51 FEET TO THE POINT OF BEGINNING. CONTAINING 56.45 ACRES

Property Report for Parcel **HD-SHCR-2-38**

Data Updated: 10/22/2023



[Click here for images](#)



[Click here for sketches](#)

Account Summary

Account Number: 0927911
 Parcel ID: HD-SHCR-2-38
 Owner Name: United Effort Plan

Subdivision: Short Creek
 Situs Address: 985 W Field Ave
 Hildale, UT 84784

Building Characteristics

Building Number: 1
 Property Type: Residential
 Year Built: 1992
 Square Feet: 4381
 Units: 1
 Exterior: Frame Masonry Veneer
 Roof Cover: Comp Shingle Heavy
 HVAC Desc: Heat Pump

Bedrooms: 3
 Bathrooms: 6
 Garage Square Feet: 1116
 Basement Sq. Ft.: N/A
 Basement Sq. Ft. Finished: N/A
 Swimming Pool: N/A
 Fireplaces: N/A
 Finished Attic: N/A

NOTE: The information shown on this map was compiled from different GIS sources. The land base and facility information on this map is for display purposes only and should not be relied upon without independent verification as to its accuracy. Washington County, Utah will not be held responsible for any claims, losses or damages resulting from the use of this map.

Report Generated 10/25/2023 by Washington County GIS

Washington County, Utah
 County Administration Building
 111 E. Tabernacle Street
 St. George, UT 84770-3443
www.washco.utah.gov



Property Report for Parcel **HD-SHCR-2-38**

Property Information

Acres: 0.91
 Zoning: Residential-Agricultural 1
 Is Property in a Special Flood Hazard Area? No
 Is Property in a 0.2% Annual Chance Flood Area? No
 Is Property in a Floodway? No

** Determination of flood zone information is based upon 2009 FEMA Digital Flood Insurance Rate Map Database but does not substitute for a Flood Verification letter. For more information, please visit the FEMA Flood Map Service Center website <https://msc.fema.gov/portal/home> or contact your municipal Engineering department.
 City zoning information is based on the best available information and should be independently verified by contacting each municipality directly.*

Voting Districts

Washington County Precinct: HIL01
 U.S. Senate District: 27
 U.S. Congressional District: 2
 Utah House District: 72
 Washington County School
 Board District: 5

** Visit Vote.Utah.gov or <https://geopredvm.washco.utah> for more voting information.*

Utilities

Culinary Water: Hildale - Colorado City
 Sewer: Hildale
 Electricity: Garkane Energy Cooperative, Inc
 Natural Gas: N/A
 Internet Service Providers (Cable): AWI

** For more information on Internet services available in your area, see Decision Data.org, <https://decisiondata.org/internet-providers-by-zip-code-plus-tv/>*

Tax Information

Tax District: Hildale Town
 Residential Classification: Primary
 Book & Page: B: 1758 P: 2339
 Reference Document: 953497

Community/Public Services

Law Enforcement: Hildale
 Fire Protection: Colorado City Fire Dept
** In an emergency, ALWAYS dial 9-1-1!*

Schools:

Water Canyon Elementary
 Water Canyon High
 Water Canyon
 Water Canyon High

** For more information, including bus routes, visit the Washington Co. School District at <https://www.washk12.org/> or Iron Co. School District at <https://irondistrict.org/>*

Solid Waste Collection Day: N/A

** For more information on solid waste and recycling services, visit the Washington County Solid Waste website at <http://www.wcsww.org/>*

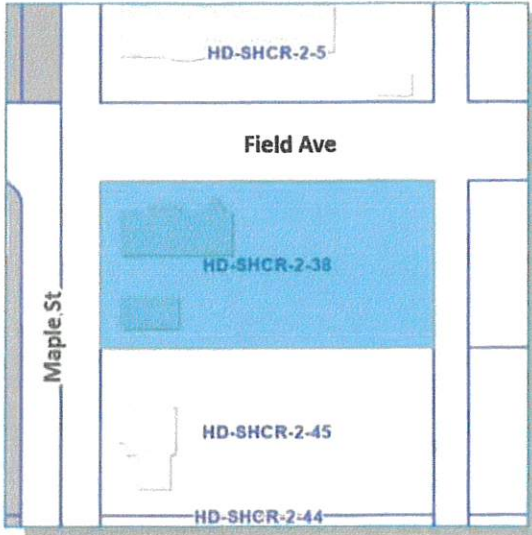
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Report Generated 10/25/2023 by Washington County GIS

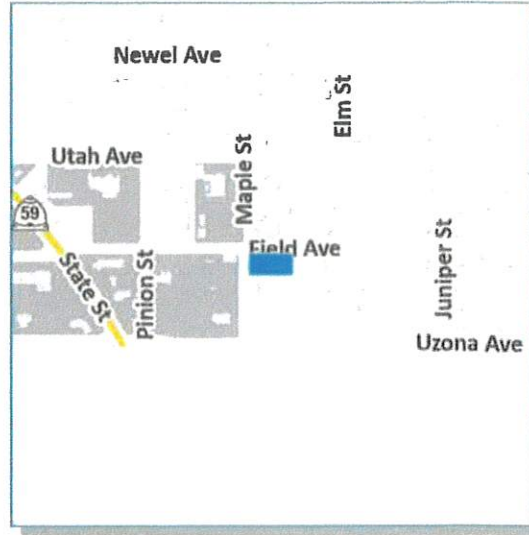
Washington County, Utah
 County Administration Building
 111 E. Tabernacle Street
 St. George, UT 84770-3443
www.washco.utah.gov



Property Report for Parcel **HD-SHCR-2-38**



Parcel highlighted in blue.



Overview Map

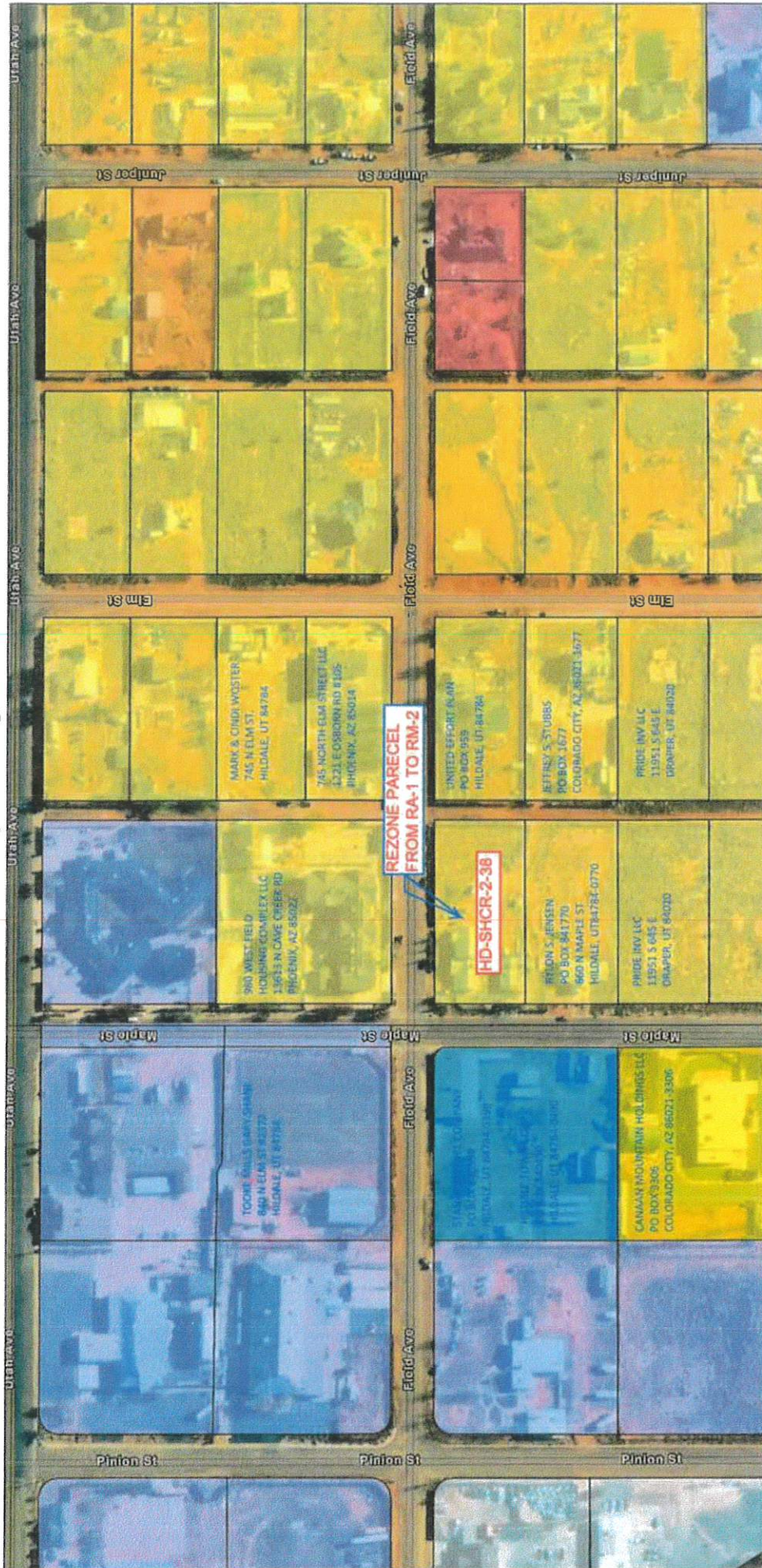
NOTE: The information shown on this map was compiled from different GIS sources. The land base and facility information on this map is for display purposes only and should not be relied upon without independent verification as to its accuracy. Washington County, Utah will not be held responsible for any claims, losses or damages resulting from the use of this map.

Report Generated 10/25/2023 by Washington County GIS

Washington County, Utah
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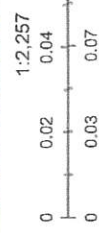


Hildale City Zoning districts



10/25/2023, 1:42:43 PM

- Municipal Boundary
- Washington County Parcels
- Zoning Districts**
- RA-1 - Residential-agricultural 1
- RM-1 - Multiple-family residential 1
- GC - General commercial
- HC - Highway commercial
- M-1 - Light industrial
- PF - Public facilities
- OTH - Other



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Hildale City
Sunrise Cloud SMART GIS

Item 10.

UNITED EFFORT PLAN
HD-SHCR-2-38
PO BOX 959
HILDALE, UT 84784

PRIDE INV LLC
HD-SHCR-2-44
11951 S 645 E
DRAPER, UT 84020

HILDALE TOWN CORP
HD-HDIP-34
PO BOX 840490
HILDALE, UT 84784-0490

745 NORTH ELM STREET LLC
HD-SHCR-2-4-A
1221 E OSBORN RD # 105
PHOENIX, AZ 85014

PRIDE INV LLC
HD-SHCR-2-41
11951 S 645 E
DRAPER, UT 84020

JENSEN RYLON S
HD-SHCR-2-45
PO BOX 841770 660 N MAPLE ST
HILDALE, UT 84784-0770

CANAAN MOUNTAIN HOLDINGS LLC
HD-HDIP-33
PO BOX 3306
COLORADO CITY, AZ 86021-3306

UNITED EFFORT PLAN
HD-SHCR-2-39
PO BOX 959
HILDALE, UT 84784

HILDALE TOWN CORP
HD-HDIP-37A
PO BOX 840575
HILDALE, UT 84784-0490

STANDARD FUEL COMPANY
HD-PTAX-34
PO BOX 840398
HILDALE, UT 84784-0398

STUBBS JEFFREY S, ET AL
HD-SHCR-2-40
PO BOX 1677
COLORADO CITY, AZ 86021-1677

TOOKE MILLS GARY SHANE & KALIE LEA TRS
HD-HDIP-37
840 N ELM ST # 2372
HILDALE, UT 84784

980 WEST FIELD HOUSING COMPLEX LLC
HD-SHCR-2-5
13613 N CAVE CREEK RD
PHOENIX, AZ 85022

WOOSTER MARK & CINDI
HD-SHCR-2-4-B
745 N ELM ST
HILDALE, UT 84784



📞 435-874-2323
📠 435-874-2603
🌐 www.hildalecity.com

Date: November 15, 2023
RE: Notice of Public Hearing — **Re-zone Request**
Parcel Number: **HD-SHCR-2-38**
Address: **985 W. Field Ave., Hildale, Utah**

To Whom it May Concern:

You are an identified property owner within 300 feet of a property requesting rezoning. As such, you are invited to a public hearing to give any input you may have, as a neighboring property owner, regarding a request to rezone the above-listed parcel from Residential Agriculture 1 (RA1) to Residential Multiple Family 2 (RM-2).

RA-1 and RA-.5 zones are intended to for very low-, and low-density development with little impact on its surroundings and municipal services; to preserve the city's semi-rural areas; and to promote and preserve large-lot family life, including the keeping of limited numbers of farm animals and fowl. Large lot neighborhoods with detached single-family dwellings, protected from encroachment by commercial and industrial uses is the intent. Other uses are small farms, hobby farms and agricultural developments. Ancillary uses include churches, schools, and parks to serve neighborhood areas.

The purpose of the RM-1, RM-2, and RM-3 zones is for well-designed apartments, townhomes, twin homes, and condominiums, at medium to high density, that are appropriately buffered from and compatible with surrounding land uses. Ancillary uses include churches, schools, and parks to serve neighborhood areas.

Details of Zones are found in the Hildale City Land Use Ordinance, available from City Hall, or at https://hildale.municipalcodeonline.com/book?type=ordinances#name=CHAPTER_13_RESIDENTIAL_ZONES

The hearing will be held Thursday, December 21, 2023, at 6:00 pm (MDT), at Hildale City Hall, at 320 East Newel Avenue, Hildale, Utah.

Any objections, questions or comments can be submitted in person at the Hildale City Hall, or by mail to:

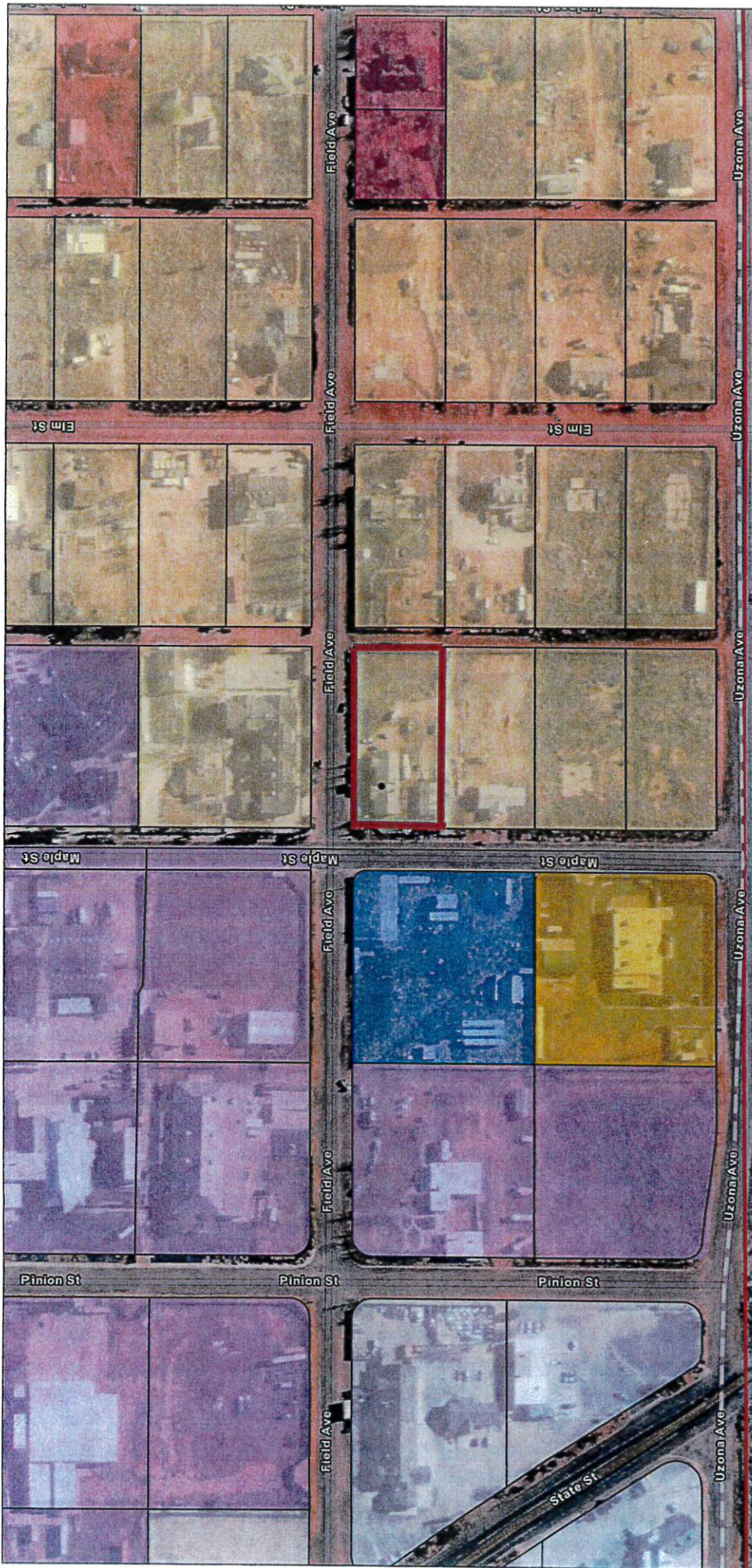
City of Hildale Zoning Administrator, P.O. Box 840490, Hildale, Utah 84784
Or phone Eric Duthie at (435) 874-2323, or email manager@hildalecity.com.

Any owner of property located entirely or partially within the proposed zoning map amendment may file a written objection to the inclusion of the owner's property in the proposed zoning map amendment, not later than 10 days after the day of the public hearing. Each written objection filed with the municipality will be provided to the Hildale City Council.

Sincerely,

Eric Duthie, City Manager
Zoning Administrator

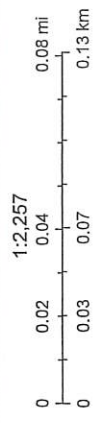
985 W. Field Ave. Rezone request



11/14/2023, 10:35:22 AM

- Municipal Boundary
- Washington County Parcels
- Zoning Districts
- RA-1 - Residential-agricultural 1

- RM-1 - Multiple-family residential 1
- GC - General commercial
- HC - Highway commercial
- M-1 - Light industrial
- PF - Public facilities
- OTH - Other



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Hildale City
Sunrise Cloud SMART GIS®

17D-1-101 Title.

(1) This title is known as "Limited Purpose Local Government Entities - Other Entities."

(2) This chapter is known as the "Special Service District Act."

Enacted by Chapter 360, 2008 General Session

Effective 2/27/2023**17D-1-103 Special service district status, powers, and duties -- Registration as a limited purpose entity -- Limitation on districts providing jail service.**

- (1) A special service district:
 - (a) is:
 - (i) a body corporate and politic with perpetual succession, separate and distinct from the county or municipality that creates it;
 - (ii) a quasi-municipal corporation; and
 - (iii) a political subdivision of the state; and
 - (b) may sue and be sued.
- (2) A special service district may:
 - (a) exercise the power of eminent domain possessed by the county or municipality that creates the special service district;
 - (b) enter into a contract that the governing authority considers desirable to carry out special service district functions, including a contract:
 - (i) with the United States or an agency of the United States, the state, an institution of higher education, a county, a municipality, a school district, a special district, another special service district, or any other political subdivision of the state; or
 - (ii) that includes provisions concerning the use, operation, and maintenance of special service district facilities and the collection of fees or charges with respect to commodities, services, or facilities that the district provides;
 - (c) acquire or construct facilities;
 - (d) acquire real or personal property, or an interest in real or personal property, including water and water rights, whether by purchase, lease, gift, devise, bequest, or otherwise, and whether the property is located inside or outside the special service district, and own, hold, improve, use, finance, or otherwise deal in and with the property or property right;
 - (e) sell, convey, lease, exchange, transfer, or otherwise dispose of all or any part of the special service district's property or assets, including water and water rights;
 - (f) mortgage, pledge, or otherwise encumber all or any part of the special service district's property or assets, including water and water rights;
 - (g) enter into a contract with respect to the use, operation, or maintenance of all or any part of the special service district's property or assets, including water and water rights;
 - (h) accept a government grant or loan and comply with the conditions of the grant or loan;
 - (i) use an officer, employee, property, equipment, office, or facility of the county or municipality that created the special service district, subject to reimbursement as provided in Subsection (4);
 - (j) employ one or more officers, employees, or agents, including one or more engineers, accountants, attorneys, or financial consultants, and establish their compensation;
 - (k) designate an assessment area and levy an assessment as provided in Title 11, Chapter 42, Assessment Area Act;
 - (l) contract with a franchised, certificated public utility for the construction and operation of an electrical service distribution system within the special service district;
 - (m) borrow money and incur indebtedness;
 - (n) as provided in Part 5, Special Service District Bonds, issue bonds for the purpose of acquiring, constructing, and equipping any of the facilities required for the services the special service district is authorized to provide, including:
 - (i) bonds payable in whole or in part from taxes levied on the taxable property in the special service district;

- (ii) bonds payable from revenues derived from the operation of revenue-producing facilities of the special service district;
 - (iii) bonds payable from both taxes and revenues;
 - (iv) guaranteed bonds, payable in whole or in part from taxes levied on the taxable property in the special service district;
 - (v) tax anticipation notes;
 - (vi) bond anticipation notes;
 - (vii) refunding bonds;
 - (viii) special assessment bonds; and
 - (ix) bonds payable in whole or in part from mineral lease payments as provided in Section 11-14-308;
 - (o) except as provided in Subsection (5), impose fees or charges or both for commodities, services, or facilities that the special service district provides;
 - (p) provide to an area outside the special service district's boundary, whether inside or outside the state, a service that the special service district is authorized to provide within its boundary, if the governing body makes a finding that there is a public benefit to providing the service to the area outside the special service district's boundary;
 - (q) provide other services that the governing body determines will more effectively carry out the purposes of the special service district; and
 - (r) adopt an official seal for the special service district.
- (3)
- (a) Each special service district shall register and maintain the special service district's registration as a limited purpose entity, in accordance with Section 67-1a-15.
 - (b) A special service district that fails to comply with Subsection (3)(a) or Section 67-1a-15 is subject to enforcement by the state auditor, in accordance with Section 67-3-1.
- (4) Each special service district that uses an officer, employee, property, equipment, office, or facility of the county or municipality that created the special service district shall reimburse the county or municipality a reasonable amount for what the special service district uses.
- (5)
- (a) A special service district that provides jail service as provided in Subsection 17D-1-201(10) may not impose a fee or charge for the service it provides.
 - (b) Subsection (5)(a) may not be construed to limit a special service district that provides jail service from:
 - (i) entering into a contract with the federal government, the state, or a political subdivision of the state to provide jail service for compensation; or
 - (ii) receiving compensation for jail service it provides under a contract described in Subsection (5)(b)(i).

Amended by Chapter 15, 2023 General Session

Effective 5/5/2021**17D-1-201 Services that a special service district may be created to provide.**

As provided in this part, a county or municipality may create a special service district to provide any combination of the following services:

- (1) water;
- (2) sewerage;
- (3) drainage;
- (4) flood control;
- (5) garbage collection and disposal;
- (6) health care;
- (7) transportation, including the receipt of federal secure rural school funds under Section 51-9-603 for the purposes of constructing, improving, repairing, or maintaining public roads;
- (8) recreation;
- (9) fire protection, including:
 - (a) emergency medical services, ambulance services, and search and rescue services, if fire protection service is also provided;
 - (b) Firewise Communities programs and the development of community wildfire protection plans; and
 - (c) the receipt of federal secure rural school funds as provided under Section 51-9-603 for the purposes of carrying out Firewise Communities programs, developing community wildfire protection plans, and performing emergency services, including firefighting on federal land and other services authorized under this Subsection (9);
- (10) providing, operating, and maintaining correctional and rehabilitative facilities and programs for municipal, state, and other detainees and prisoners;
- (11) street lighting;
- (12) consolidated 911 and emergency dispatch;
- (13) animal shelter and control;
- (14) receiving federal mineral lease funds under Title 59, Chapter 21, Mineral Lease Funds, and expending those funds to be used in accordance with state and federal law;
- (15) in a county of the first class, extended police protection;
- (16) control or abatement of earth movement or a landslide;
- (17) an energy efficiency upgrade, a renewable energy system, or electric vehicle charging infrastructure as defined in Section 11-42a-102, in accordance with Title 11, Chapter 42a, Commercial Property Assessed Clean Energy Act; or
- (18) cemetery.

Amended by Chapter 339, 2021 General Session

Hildale Council Events Calendar

JANUARY 2024

Item 12.

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
	1 NEW YEARS DAY HOLIDAY OFFICE CLOSED	2	3	4	5	6
73	8	9	10 Hildale City Council meeting 6pm	11	12 Regional Partnership Luncheon 11am WCHS	13
14	15 MARTIN LUTHER KING HOLIDAY OFFICE CLOSED	16	17 Local officials day at the Utah State Legislature	18 Hildale Planning and Zoning mtg. 6pm	19	20
21	22	23	24	25 Utility Advisory Board meeting 6pm	26	27
28	29	30	31	FEB 1	FEB 2	FEB 3
FEB 4	FEB 5	FEB 6	FEB 7 Hildale City Council meeting 6pm	FEB 8	FEB 9	FEB 10