



Hildale City Council Meeting

Wednesday, December 06, 2023 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, December 6, 2023 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.

Join Zoom Meeting

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

Meeting ID: 957 7017 1318
Passcode: 993804

or

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

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

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:

1. City Council Community Recognition and Appreciation Award

Public Presentations: NONE

Approval of Minutes of Previous Meetings: Council Members

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

Public Comments: 3 minutes each - Discretion of Mayor Jessop

Council Comments: For items not on the agenda (10 minutes total)

Oversight Items: 10 minutes - Mayor Jessop

3. Financial Report and Invoice Register approval
4. City Managers report (Department reports included)

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. (10 minutes CM Duthie)

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. (10 minutes CR Barlow)
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. (10 minutes CM Duthie)
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. (10 minutes CM Duthie)
9. Consideration, discussion, and possible action concerning Resolution 2023-12-004, Hildale City Rates and Fees adjustment. (10 minutes CM Duthie)
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. (10 minutes CM Duthie)
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. (10 minutes CM Duthie)
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. (10 minutes CM Duthie)
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 directly by the State of Utah. (10 minutes CM Duthie)
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. (10 minutes Utility Director Postema)
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. (15 minutes Utility Director Postema).
16. Introduction and discussion concerning the Hildale-Colorado City Water Master Plan and Draft Impact Fee. (40 minutes Utility Director Postema)

Calendar of Upcoming Events: 5 minutes - Mayor Jessop

17. December 2023 City Council Calendar

Executive Session: 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 Council Meeting

Wednesday, November 08, 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 6:06pm.

Roll Call of Council Attendees:

PRESENT

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

ABSENT

Council Member Terrill Musser

Pledge of Allegiance:

Council Member Dutson lead the pledge.

Conflict of Interest Disclosures:

Council Member Dutson would like to reserve that right.

Special Recognitions:

1. City Council Community Recognition and Appreciation Award

Mayor Jessop and Council recognized Carole Hammon and her talents in business and Photography to the community.

Carol Hammon thanked the Council.

Public Presentations: NONE

Approval of Minutes of Previous Meetings:

2. City Council meeting minutes 10-11-2023

Council Members reviewed the minutes and asked for a small change.

Motion made by Council Member Barlow to approve minutes for October 11, 2023, Seconded by Council Member Holm.

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

Motion Carries.

Public Comments:

Allen Zitting- Apricated the video that was posted regarding water in the community.

Council Comments:

Council Member Dutson apricates everyone working together. It is a great town to be a part of. He is thankful for Manager Duthie's patients.

Council Member Holm would like clarification on Safe Routes to School if it is only public schools. Concerns of flooding is always a concern.

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

City Manager Duthie presented bills and finances to the Council. Council Members discussed several items.

Motion made by Council Member Seay to pay the invoice registry, Seconded by Council Member Barlow.

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

Voting Abstaining: Council Member Dutson

Motion Carries.

4. City Managers report (Department reports included)

City Manager Duthie presented to Council the last two months.

Discussion of the court and options keeping the court here in town.

Public Hearing: NONE**5. The Hildale City Council will receive public comments during a Public Hearing concerning a request to Vacate a Right-of-Way, Public Street or Easement around the area of 1065 N Hildale Street, and 1040 N Louis Street.**

No decisions will be made during the Public Hearing.

Upon conclusion of the Public Hearing, Council will return to their regular meeting and this item will be heard in the order in which it is addressed on the Council Agenda.

Mayor Jessop called for a motion to go into a Public Hearing at 6:36pm, Motion made by Council Member Barlow, Second Council Member Holm. All in Favor

Allen Zitting represented the property to the west of this property. He strongly opposes it.

Frank Linhart the applicant presented to council the application and what the goals are to provide parking for apartments. He also will include a flood pathway to control water coming off the mountains.

Mayor Jessop called for a motion to come out of the Public Hearing at 6:44pm. Motion made by Council Member Dutson, Second by Council Member Barlow. All in Favor.

Appointments to Boards or Commissions:**6. Appointment of Ezra Nielsen as Chair of the Hildale/Colorado City Utility Advisory Board.**

Mayor Jessop introduced Ezra Nielson as Utility Board Chair.

Ezra Nielson is here to serve the community and keep the community's best interest at heart.

Motion made by Council Member Seay to Appointment of Ezra Nielsen as Chair of the Hildale/Colorado City Utility Advisory Board effective immediately, Seconded by Council Member Dutson.
 Voting Yea: Council Member Barlow, Council Member Dutson, Council Member Holm, Council Member Seay

Motion Carries.

Unfinished Council Business:

New Council Business:

7. **Consideration, discussion, and possible action for Resolution 2023-11-001, concerning updating the authorized individuals to access the Utah State Public Treasurer's Investment Fund (PTIF) for Hildale City.**

City Manager Duthie presented to Council the need to update the access to the PTIF account.

Motion made by Council Member Dutson for Resolution 2023-11-001, concerning updating the authorized individuals to access the Utah State Public Treasurer's Investment Fund (PTIF) for Hildale City including Eric Duthie, Sirrene Barlow and Shanae Eidenier, Seconded by Council Member Holm.
 Voting Yea: Council Member Barlow, Council Member Dutson, Council Member Holm, Council Member Seay

Motion Carries.

8. **Consideration, discussion, and possible action concerning a request to rezone Parcel HD-HDIP-36, commonly addressed as 740 N. Pinion Street, Hildale, Utah from General Commercial (GC) to Light Industrial (M-1). The Hildale Planning and Zoning Commission recommended approval.**

Council Member Seay abstained being she is the applicant.

City Manager Duthie presented the application and stated the Planning and Zoning approved this application.

Motion made by Council Member Holm to rezone Parcel HD-HDIP-36, commonly addressed as 740 N. Pinion Street, Hildale, Utah from General Commercial (GC) to Light Industrial (M-1). The Hildale Planning and Zoning Commission recommended approval, Seconded by Council Member Barlow.
 Voting Yea: Council Member Barlow, Council Member Dutson, Council Member Holm
 Voting Abstaining: Council Member Seay

Motion Carries.

9. **Consideration, discussion, and possible action concerning a Preliminary Plat application for Parcels HD-0-3-32-310 and HD-184, commonly addressed as the area of 1700 W State Street, Hildale, Utah. The purpose the application is to create 123 lots in a 38.77-acre subdivision.**

City Manager Duthie presented the preliminary plat and confirmed the Planning and Zoning has approved this application.

Utility Director Jerry Postema spoke on the many conversations they have had with the developer and their willingness to be compliant.

City Manager Duthie aplicated the applicates willingness to stay in communication with the city.

Jerry Westhoff answered questions in regard to water.

Notes from the Preliminary Plat Review.

1. Where is the "new water" coming from for the development? Development Agreement needed.
2. IRR - Irrigation system. Is this the backbone? Where does the water come from? What areas will it feed?
3. Water Model - Sunrise will run the City Water Model incorporating the new development to get the main sizes and any off-site upgrades to serve the new development.
4. Size and Type of water main. Looping, easement or future roadways?
5. JUT - What is in the joint utility? cable, internet, phone, traffic fiber, other?
6. What are the size of the proposed easements? 20', 30', 40' larger?
7. Hydrant spacing needs to be every 300 - 450 feet and shown on utility design
8. Sewer manholes - make sure the distance between manholes is no more than 400 - 500 feet
9. What are the ideas about the half street improvements? Who owns the adjacent property?
10. Proposed street sections need to be agreed upon. Need a parkway for meters
11. Stormwater flows and access to retention/detention ponds and piping. Pond maintenance on development.

Motion made by Council Member Seay to approve Preliminary Plat application for Parcels HD-0-3-32-310 and HD-184, commonly addressed as the area of 1700 W State Street, Hildale, Utah. The purpose of the application is to create 123 lots in a 38.77-acre subdivision with the conditions that were presented tonight, Strick Ash Creek Special Services District from Joint Utility Committee., Seconded by Council Member Dutson.

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

Motion Carries.

10. Consideration, discussion, and possible action concerning a request to Vacate a Right-of-Way, Public Street or Easement around the area of 1065 N Hildale Street, and 1040 N Louis Street.

Council Member Holm will recuse himself from this item due to personal interest.

City Manager Duthie read into the record a letter from Marylyn Black, (attached to the minutes.)

City Manager Duthie asked Public Works Director to speak on flooding.

Public Works Director Barlow spoke of concerns of where the water is going to after they pave, and the water increases down our streets.

Council Members discussed concerns along with pros and cons.

Motion made by Council Member Seay to Vacate a Right-of-Way, Public Street or Easement around the area of 1065 N Hildale Street, and 1040 N Louis Street with conditions addressing flood control with inverted street, concrete your section, Seconded by Council Member Barlow.

Voting Yea: Mayor Jessop, Council Member Barlow, Council Member Seay

Voting Nay: Council Member Dutson

Voting Abstaining: Council Member Holm

notes from the Preliminary Plat Review.

1. Where is the "new water" coming from for the development? Development Agreement needed.

Calendar of Upcoming Events:

11. City Council Calendar for November 2023.

Executive Session: As needed

Scheduling:

Adjournment:

Mayor adjourned meeting at 8:05pm

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.

Minutes were approved at the City Council Meeting on _____.

Sirrene J. Barlow, City Recorder

CITY OF HILDALE
REVENUES WITH COMPARISON TO BUDGET
FOR THE 5 MONTHS ENDING NOVEMBER 30, 2023

Item 3.

GENERAL FUND

		PERIOD ACTUAL	YTD ACTUAL	BUDGET	UNEXPENDED	PCNT
TAXES						
11-31-100	PROPERTY TAX - CURRENT YEAR	1,665.73	1,665.73	115,017.00	113,351.27	1.5
11-31-200	PROP TAX - DELINQUENT PR YR	3,142.22	3,142.22	36,799.00	33,656.78	8.5
11-31-300	GENERAL SALES & USE TAX	19,079.75	19,079.75	190,000.00	170,920.25	10.0
11-31-301	RAP TAX	3,818.81	3,818.81	35,298.00	31,479.19	10.8
11-31-400	FRANCHISE TAX - ENERGY & USE	.00	.00	4,395.00	4,395.00	.0
11-31-401	ENERGY & USE TAX	7,661.17	7,661.17	83,868.00	76,206.83	9.1
11-31-402	TELECOM LICENSE TAX	630.10	630.10	5,732.00	5,101.90	11.0
11-31-403	TRANSIENT ROOM TAX	946.09	946.09	18,000.00	17,053.91	5.3
11-31-700	FEE-IN-LIEU TX - PERSONAL PROP	3,936.07	3,936.07	18,500.00	14,563.93	21.3
11-31-900	PNLTY & INT ON DELINQ TAXES	200.59	200.59	2,000.00	1,799.41	10.0
TOTAL TAXES		41,080.53	41,080.53	509,609.00	468,528.47	8.1
LICENSES AND PERMITS						
11-32-100	BUSINESS LICENSE FEES	2,475.00	2,475.00	10,000.00	7,525.00	24.8
11-32-200	BUILDING PERMITS	12,568.26	12,568.26	35,000.00	22,431.74	35.9
11-32-300	LAND USE FEE'S	4,938.50	4,938.50	10,000.00	5,061.50	49.4
TOTAL LICENSES AND PERMITS		19,981.76	19,981.76	55,000.00	35,018.24	36.3
INTERGOVERNMENTAL REVENUE						
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	13,428.83	13,428.83	80,000.00	66,571.17	16.8
11-33-565	HIGHWAY/TRANSIT TAX	1,750.09	1,750.09	36,174.00	34,423.91	4.8
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		15,178.92	15,178.92	1,575,663.00	1,560,484.08	1.0
CHARGES FOR SERVICES						
11-34-120	GRAMA, COPYING, ETC.	1,057.44	1,057.44	3,000.00	1,942.56	35.3
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		1,057.44	1,057.44	34,167.00	33,109.56	3.1

CITY OF HILDALE
REVENUES WITH COMPARISON TO BUDGET
FOR THE 5 MONTHS ENDING NOVEMBER 30, 2023

Item 3.

GENERAL FUND

	PERIOD ACTUAL	YTD ACTUAL	BUDGET	UNEXPENDED	PCNT
FINES AND FORFEITURES					
11-35-110 COURT FINES	10,720.00	10,720.00	35,000.00	24,280.00	30.6
11-35-210 BAIL AND BOND FORFEITURE	.00	.00	1,000.00	1,000.00	.0
TOTAL FINES AND FORFEITURES	10,720.00	10,720.00	36,000.00	25,280.00	29.8
MISCELLANEOUS REVENUE					
11-36-100 INTEREST EARNINGS - GEN FUND	2,518.46	2,518.46	10,000.00	7,481.54	25.2
11-36-210 RENTAL - OFFICES IN CITY BLDG	.00	.00	12,000.00	12,000.00	.0
11-36-800 LOT LEASES	20,248.65	20,248.65	54,597.00	34,348.35	37.1
11-36-910 SUNDRY REV - GEN FUND	4,236.15	4,236.15	5,000.00	763.85	84.7
TOTAL MISCELLANEOUS REVENUE	27,003.26	27,003.26	81,597.00	54,593.74	33.1
CONTRIBUTIONS AND TRANSFERS					
11-38-248 EVENT FEES	.00	.00	10,000.00	10,000.00	.0
11-38-920 APPROP - CAPITAL PROJECTS	.00	.00	208,476.00	208,476.00	.0
TOTAL CONTRIBUTIONS AND TRANSFERS	.00	.00	218,476.00	218,476.00	.0
TOTAL FUND REVENUE	115,021.91	115,021.91	2,510,512.00	2,395,490.09	4.6

CITY OF HILDALE
EXPENDITURES WITH COMPARISON TO BUDGET
FOR THE 5 MONTHS ENDING NOVEMBER 30, 2023

Item 3.

GENERAL FUND

		PERIOD ACTUAL	YTD ACTUAL	BUDGET	UNEXPENDED	PCNT
GEN GOVT ADMINISTRATION						
11-41-110	SALARIES-PERMANENT EMPLOYEES	70,693.04	70,693.04	56,698.00	(13,995.04)	124.7
11-41-111	SECRETARIAL STAFF	(9,757.49)	(9,757.49)	.00	9,757.49	.0
11-41-112	MAYOR	6,057.70	6,057.70	30,000.00	23,942.30	20.2
11-41-113	MANAGER	18,934.60	18,934.60	41,737.00	22,802.40	45.4
11-41-114	TREASURER	1,485.78	1,485.78	6,184.00	4,698.22	24.0
11-41-115	RECORDER	15,893.00	15,893.00	37,329.00	21,436.00	42.6
11-41-117	ATTORNEY	25,000.00	25,000.00	60,000.00	35,000.00	41.7
11-41-120	SALARIES-TEMPORARY EMPLOYEES	.00	.00	22,628.00	22,628.00	.0
11-41-130	PAYROLL TAXES	11,776.38	11,776.38	16,580.00	4,803.62	71.0
11-41-140	BENEFITS-OTHER	12,218.12	12,218.12	14,668.00	2,449.88	83.3
11-41-151	STIPENDS - CITY COUNCIL	1,890.00	1,890.00	6,860.00	4,970.00	27.6
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	11,070.05	11,070.05	5,000.00	(6,070.05)	221.4
11-41-230	TRAVEL & TRAINING	5,527.71	5,527.71	10,000.00	4,472.29	55.3
11-41-235	HEALTH & HYDRATION	813.13	813.13	3,000.00	2,186.87	27.1
11-41-240	OFFICE EXPENSE & SUPPLIES	1,318.85	1,318.85	3,000.00	1,681.15	44.0
11-41-241	COPIER & PRINTER	904.19	904.19	1,000.00	95.81	90.4
11-41-242	SERVICE FEES	2,487.60	2,487.60	1,000.00	(1,487.60)	248.8
11-41-244	PRINT & POSTAGE	3,980.35	3,980.35	4,600.00	619.65	86.5
11-41-257	FUEL	1,232.27	1,232.27	4,000.00	2,767.73	30.8
11-41-271	MAINT & SUPPLY - BUILDING	2,798.96	2,798.96	7,000.00	4,201.04	40.0
11-41-272	MAINT & SUPPLY - IT	468.70	468.70	2,000.00	1,531.30	23.4
11-41-280	UTILITIES	415.35	415.35	4,000.00	3,584.65	10.4
11-41-285	POWER	638.72	638.72	4,000.00	3,361.28	16.0
11-41-287	TELEPHONE	4,165.85	4,165.85	9,000.00	4,834.15	46.3
11-41-310	PROFESSIONAL & TECHNICAL	12,866.48	12,866.48	20,000.00	7,133.52	64.3
11-41-311	ENGINEER	690.42	690.42	1,000.00	309.58	69.0
11-41-312	CONSULTANT	17,149.74	17,149.74	15,000.00	(2,149.74)	114.3
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	6,728.37	6,728.37	3,000.00	(3,728.37)	224.3
11-41-317	INFORMATION TECHNOLOGY - CONS	.00	.00	3,000.00	3,000.00	.0
11-41-318	INFORMATION TECHNOLOGY - SOFTW	800.47	800.47	3,000.00	2,199.53	26.7
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	643.10	643.10	1,500.00	856.90	42.9
11-41-720	BUILDINGS	16,510.00	16,510.00	3,000.00	(13,510.00)	550.3
11-41-743	EQUIPMENT - VEHICLE	3,820.99	3,820.99	20,000.00	16,179.01	19.1
11-41-785	INNOVATION CENTER	.00	.00	418,009.00	418,009.00	.0
TOTAL GEN GOVT ADMINISTRATION		296,179.78	296,179.78	908,693.00	612,513.22	32.6

CITY OF HILDALE
EXPENDITURES WITH COMPARISON TO BUDGET
FOR THE 5 MONTHS ENDING NOVEMBER 30, 2023

Item 3.

GENERAL FUND

		PERIOD ACTUAL	YTD ACTUAL	BUDGET	UNEXPENDED	PCNT
MUNICIPAL COURT						
11-42-110	SALARIES-PERMANENT EMPLOYEES	23,034.25	23,034.25	28,718.00	5,683.75	80.2
11-42-130	PAYROLL TAXES & BENEFITS	3,883.65	3,883.65	2,200.00	(1,683.65)	176.5
11-42-287	TELEPHONE	40.00	40.00	.00	(40.00)	.0
11-42-310	PROFESSIONAL & TECHNICAL	1,270.00	1,270.00	14,000.00	12,730.00	9.1
11-42-550	FINES, SURCHARGES - AOC	4,245.33	4,245.33	10,000.00	5,754.67	42.5
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		33,956.14	33,956.14	57,918.00	23,961.86	58.6
POLICE DEPARTMENT						
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
FIRE DEPARTMENT						
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
BUILDING DEPARTMENT						
11-45-110	SALARIES-PERMANENT EMPLOYEES	13,797.51	13,797.51	14,125.00	327.49	97.7
11-45-210	BOOKS, SUBSCR, & MEMBERSHIPS	375.00	375.00	200.00	(175.00)	187.5
11-45-330	EDUCATION	1,506.00	1,506.00	.00	(1,506.00)	.0
TOTAL BUILDING DEPARTMENT		15,678.51	15,678.51	14,325.00	(1,353.51)	109.5
PUBLIC SAFETY DISPATCH						
11-46-980	INTRA-GOVT CHARGES	38,056.00	38,056.00	112,952.00	74,896.00	33.7
TOTAL PUBLIC SAFETY DISPATCH		38,056.00	38,056.00	112,952.00	74,896.00	33.7

CITY OF HILDALE
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Item 3.

GENERAL FUND

		PERIOD ACTUAL	YTD ACTUAL	BUDGET	UNEXPENDED	PCNT
PUBLIC WORKS - STREETS & ROADS						
11-47-110	SALARIES-PERMANENT EMPLOYEES	40,225.82	40,225.82	137,064.00	96,838.18	29.4
11-47-130	PAYROLL TAXES	3,630.87	3,630.87	12,534.00	8,903.13	29.0
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	1,502.79	1,502.79	5,000.00	3,497.21	30.1
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	1,948.84	1,948.84	6,000.00	4,051.16	32.5
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	.00	.00	2,000.00	2,000.00	.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		142,316.27	142,316.27	710,485.00	568,168.73	20.0
PUBLIC WORKS - PARKS						
11-48-110	SALARIES-PERMANENT EMPLOYEES	20,685.03	20,685.03	51,545.00	30,859.97	40.1
11-48-120	SALARIES-TEMPORARY EMPLOYEES	.00	.00	5,000.00	5,000.00	.0
11-48-130	PAYROLL TAXES	1,669.61	1,669.61	4,020.00	2,350.39	41.5
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	749.15	749.15	5,298.00	4,548.85	14.1
11-48-257	FUEL	967.06	967.06	2,000.00	1,032.94	48.4
11-48-260	TOOLS & EQUIPMENT-NON CAPITAL	.00	.00	2,500.00	2,500.00	.0
11-48-272	MAINT & SUPPLY - OTHER	8,142.30	8,142.30	10,000.00	1,857.70	81.4
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	1,456.90	1,456.90	5,000.00	3,543.10	29.1
11-48-285	POWER	601.89	601.89	4,000.00	3,398.11	15.1
11-48-287	TELEPHONE INET	1,042.38	1,042.38	2,500.00	1,457.62	41.7
11-48-410	SPECIAL PROJECT	122.72	122.72	10,000.00	9,877.28	1.2
TOTAL PUBLIC WORKS - PARKS		37,299.09	37,299.09	104,863.00	67,563.91	35.6

CITY OF HILDALE
EXPENDITURES WITH COMPARISON TO BUDGET
FOR THE 5 MONTHS ENDING NOVEMBER 30, 2023

Item 3.

GENERAL FUND

	PERIOD ACTUAL	YTD ACTUAL	BUDGET	UNEXPENDED	PCNT
COMMUNITY OUTREACH DEPARTMENT					
11-49-110 SALARIES-PERMANENT EMPLOYEES	2,524.59	2,524.59	.00	(2,524.59)	.0
11-49-130 PAYROLL TAXES	321.90	321.90	.00	(321.90)	.0
11-49-250 EQUIPMENT SUPPLIES & MAINT	99.99	99.99	1,000.00	900.01	10.0
11-49-274 EQUIPMENT PURCHASE	.00	.00	1,000.00	1,000.00	.0
11-49-410 SPECIAL PROJECT	6,466.90	6,466.90	.00	(6,466.90)	.0
 TOTAL COMMUNITY OUTREACH DEPARTME	 9,413.38	 9,413.38	 2,000.00	 (7,413.38)	 470.7
 TOTAL FUND EXPENDITURES	 794,394.55	 794,394.55	 2,510,512.00	 1,716,117.45	 31.6
 NET REVENUE OVER EXPENDITURES	 (679,372.64)	 (679,372.64)	 .00	 679,372.64	 .0

CITY OF HILDALE
EXPENDITURES WITH COMPARISON TO BUDGET
FOR THE 5 MONTHS ENDING NOVEMBER 30, 2023

Item 3.

GF DEBT SERVICE

	PERIOD ACTUAL	YTD ACTUAL	BUDGET	UNEXPENDED	PCNT
FIRE DEPT DEBT SERVICE					
31-44-723 2018 CIB DETENTION POND	76,000.00	76,000.00	.00	(76,000.00)	.0
31-44-724 2018 CIB DETEN POND INTEREST	3,480.01	3,480.01	.00	(3,480.01)	.0
TOTAL FIRE DEPT DEBT SERVICE	79,480.01	79,480.01	.00	(79,480.01)	.0
TOTAL FUND EXPENDITURES	79,480.01	79,480.01	.00	(79,480.01)	.0
NET REVENUE OVER EXPENDITURES	(79,480.01)	(79,480.01)	.00	79,480.01	.0

CITY OF HILDALE
REVENUES WITH COMPARISON TO BUDGET
FOR THE 5 MONTHS ENDING NOVEMBER 30, 2023

Item 3.

HILDALE CITY GRANTS

	PERIOD ACTUAL	YTD ACTUAL	BUDGET	UNEXPENDED	PCNT
INTERGOVERNMENTAL REVENUE					
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
TOTAL INTERGOVERNMENTAL REVENUE	426,977.75	426,977.75	.00	(426,977.75)	.0
TOTAL FUND REVENUE	426,977.75	426,977.75	.00	(426,977.75)	.0

CITY OF HILDALE
EXPENDITURES WITH COMPARISON TO BUDGET
FOR THE 5 MONTHS ENDING NOVEMBER 30, 2023

Item 3.

HILDALE CITY GRANTS

	PERIOD ACTUAL	YTD ACTUAL	BUDGET	UNEXPENDED	PCNT
GF ADMIN GRANTS/LOANS/ALLOT					
41-41-790 INNOVATION CENTER - GRANT EXP	30,377.89	30,377.89	.00	(30,377.89)	.0
TOTAL GF ADMIN GRANTS/LOANS/ALLOT	30,377.89	30,377.89	.00	(30,377.89)	.0
TOTAL FUND EXPENDITURES	30,377.89	30,377.89	.00	(30,377.89)	.0
NET REVENUE OVER EXPENDITURES	396,599.86	396,599.86	.00	(396,599.86)	.0

CITY OF HILDALE
REVENUES WITH COMPARISON TO BUDGET
FOR THE 5 MONTHS ENDING NOVEMBER 30, 2023

Item 3.

2017 JUDGMENT RESOLUTION FUND

	PERIOD ACTUAL	YTD ACTUAL	BUDGET	UNEXPENDED	PCNT
REVENUES					
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 5 MONTHS ENDING NOVEMBER 30, 2023

Item 3.

2017 JUDGMENT RESOLUTION FUND

	PERIOD ACTUAL	YTD ACTUAL	BUDGET	UNEXPENDED	PCNT
EXPENDITURES					
63-41-310 PROFESSIONAL & TECHNICAL	19,042.16	19,042.16	28,000.00	8,957.84	68.0
63-41-315 LEGAL - GENERAL	.00	.00	20,000.00	20,000.00	.0
TOTAL EXPENDITURES	19,042.16	19,042.16	48,000.00	28,957.84	39.7
TOTAL FUND EXPENDITURES	19,042.16	19,042.16	48,000.00	28,957.84	39.7
NET REVENUE OVER EXPENDITURES	(19,042.16)	(19,042.16)	.00	19,042.16	.0

CITY OF HILDALE
REVENUES WITH COMPARISON TO BUDGET
FOR THE 5 MONTHS ENDING NOVEMBER 30, 2023

Item 3.

JOINT ADMINISTRATION FUND

	PERIOD ACTUAL	YTD ACTUAL	BUDGET	UNEXPENDED	PCNT
REVENUES					
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	8,000.00	8,000.00	20,000.00	12,000.00	40.0
65-38-915 GARKANE SERVICES	.00	.00	12,000.00	12,000.00	.0
TOTAL REVENUES	8,000.00	8,000.00	1,696,304.00	1,688,304.00	.5
TOTAL FUND REVENUE	8,000.00	8,000.00	1,696,304.00	1,688,304.00	.5

CITY OF HILDALE
EXPENDITURES WITH COMPARISON TO BUDGET
FOR THE 5 MONTHS ENDING NOVEMBER 30, 2023

Item 3.

JOINT ADMINISTRATION FUND

	PERIOD ACTUAL	YTD ACTUAL	BUDGET	UNEXPENDED	PCNT
EXPENDITURES					
65-41-110 SALARIES-PERMANENT EMPLOYEES	196,937.79	196,937.79	757,994.00	561,056.21	26.0
65-41-113 MANAGER	10,098.48	10,098.48	97,388.00	87,289.52	10.4
65-41-114 TREASURER	19,455.88	19,455.88	55,654.00	36,198.12	35.0
65-41-115 RECORDER	9,869.00	9,869.00	37,330.00	27,461.00	26.4
65-41-120 SALARIES-TEMPORARY EMPLOYEES	14,345.71	14,345.71	103,024.00	88,678.29	13.9
65-41-130 PAYROLL TAXES	16,957.42	16,957.42	81,600.00	64,642.58	20.8
65-41-140 BENEFITS-OTHER	38,540.70	38,540.70	123,900.00	85,359.30	31.1
65-41-144 PRINT AND POSTAGE	5,079.72	5,079.72	20,000.00	14,920.28	25.4
65-41-145 AUDITOR	24,433.50	24,433.50	20,000.00	(4,433.50)	122.2
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	1,236.31	1,236.31	4,200.00	2,963.69	29.4
65-41-230 TRAVEL	1,090.41	1,090.41	3,000.00	1,909.59	36.4
65-41-235 FOOD & REFRESHMENT	1,034.16	1,034.16	3,000.00	1,965.84	34.5
65-41-240 OFFICE EXPENSE & SUPPLIES	557.07	557.07	3,000.00	2,442.93	18.6
65-41-242 SERVICE FEES	2,487.60	2,487.60	1,000.00	(1,487.60)	248.8
65-41-250 EQUIPMENT SUPPLIES & MAINT	7,744.48	7,744.48	13,500.00	5,755.52	57.4
65-41-257 FUEL	11,480.24	11,480.24	39,700.00	28,219.76	28.9
65-41-260 TOOLS & EQUIPMENT-NON CAPITAL	6,707.54	6,707.54	10,000.00	3,292.46	67.1
65-41-271 MAINT & SUPPLY - OFFICE	2,410.01	2,410.01	5,000.00	2,589.99	48.2
65-41-280 UTILITIES	2,086.59	2,086.59	23,514.00	21,427.41	8.9
65-41-285 POWER	3,647.19	3,647.19	27,000.00	23,352.81	13.5
65-41-287 TELEPHONE	4,880.74	4,880.74	12,000.00	7,119.26	40.7
65-41-310 PROFESSIONAL & TECHNICAL	27,350.75	27,350.75	40,000.00	12,649.25	68.4
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	25,782.75	25,782.75	27,000.00	1,217.25	95.5
65-41-319 INFORMATION TECHNOLOGY - SYSTE	.00	.00	10,000.00	10,000.00	.0
65-41-330 EDUCATION	.00	.00	10,000.00	10,000.00	.0
65-41-510 INSURANCE	100,499.40	100,499.40	85,500.00	(14,999.40)	117.5
65-41-521 CREDIT CARD EXPENSE	5,831.11	5,831.11	.00	(5,831.11)	.0
65-41-580 RENT OR LEASE	.00	.00	10,000.00	10,000.00	.0
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	.00	.00	5,000.00	5,000.00	.0
65-41-850 DEBT SERVICE - VEHICLE & EQUIP	.00	.00	11,000.00	11,000.00	.0
65-41-900 AUTOMATIC PAYMENT INCENTIVE	(200.00)	(200.00)	.00	200.00	.0
TOTAL EXPENDITURES	568,620.31	568,620.31	1,696,304.00	1,127,683.69	33.5
TOTAL FUND EXPENDITURES	568,620.31	568,620.31	1,696,304.00	1,127,683.69	33.5
NET REVENUE OVER EXPENDITURES	(560,620.31)	(560,620.31)	.00	560,620.31	.0

CITY OF HILDALE
REVENUES WITH COMPARISON TO BUDGET
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Item 3.

WATER FUND

	PERIOD ACTUAL	YTD ACTUAL	BUDGET	UNEXPENDED	PCNT
OPERATING REVENUES					
81-37-111 WATER SALES - METERED	177,191.20	177,191.20	495,930.00	318,738.80	35.7
81-37-121 WATER SALES - FLAT RATE	152,612.05	152,612.05	459,870.00	307,257.95	33.2
81-37-160 CONSTRUCTION REVENUE	.00	.00	5,000.00	5,000.00	.0
81-37-331 CONNECTION CHARGES	17,120.00	17,120.00	40,000.00	22,880.00	42.8
81-37-332 CONSTRUCTION & REPAIR	200.00	200.00	89,600.00	89,400.00	.2
81-37-351 SUNDY OPERATING REVENUE	.00	.00	20,000.00	20,000.00	.0
81-37-411 INTEREST	11,569.39	11,569.39	22,000.00	10,430.61	52.6
81-37-412 PENALTIES	16,823.37	16,823.37	60,000.00	43,176.63	28.0
TOTAL OPERATING REVENUES	375,516.01	375,516.01	1,192,400.00	816,883.99	31.5
NON-OPERATING REVENUE					
81-38-102 TRANSFERS FROM R&R RESERVE	.00	.00	150,000.00	150,000.00	.0
81-38-361 LOAN PROCEEDS	.00	.00	460,000.00	460,000.00	.0
81-38-999 CONTINGENCY	.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	375,516.01	375,516.01	2,202,400.00	1,826,883.99	17.1

CITY OF HILDALE
EXPENDITURES WITH COMPARISON TO BUDGET
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Item 3.

WATER FUND

	PERIOD ACTUAL	YTD ACTUAL	BUDGET	UNEXPENDED	PCNT
OPERATING EXPENDITURES					
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	84,540.03	84,540.03	177,700.00	93,159.97	47.6
81-41-285 POWER	62,684.64	62,684.64	20,800.00	(41,884.64)	301.4
81-41-311 ENGINEER	33,655.00	33,655.00	40,100.00	6,445.00	83.9
81-41-314 LABORATORY & TESTING	2,029.43	2,029.43	12,500.00	10,470.57	16.2
81-41-315 LEGAL - GENERAL	.00	.00	1,300.00	1,300.00	.0
81-41-330 EDUCATION	1,230.00	1,230.00	3,500.00	2,270.00	35.1
81-41-340 SYSTEM CONSTRUCTION SERVICES	17,885.96	17,885.96	33,830.00	15,944.04	52.9
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	5,418.47	5,418.47	23,000.00	17,581.53	23.6
TOTAL OPERATING EXPENDITURES	211,792.04	211,792.04	342,130.00	130,337.96	61.9
NON-OPERATING EXPENDITURES					
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	.00	.00	460,000.00	460,000.00	.0
81-42-780 RESERVE PURCHASES	.00	.00	150,000.00	150,000.00	.0
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	.00	.00	1,860,270.00	1,860,270.00	.0
TOTAL FUND EXPENDITURES	211,792.04	211,792.04	2,202,400.00	1,990,607.96	9.6
NET REVENUE OVER EXPENDITURES	163,723.97	163,723.97	.00	(163,723.97)	.0

CITY OF HILDALE
REVENUES WITH COMPARISON TO BUDGET
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Item 3.

WASTEWATER FUND

	PERIOD ACTUAL	YTD ACTUAL	BUDGET	UNEXPENDED	PCNT
OPERATING REVENUES					
82-37-160 CONSTRUCTION REVENUE	.00	.00	10,000.00	10,000.00	.0
82-37-311 SERVICE CHARGES	280,062.36	280,062.36	804,470.00	524,407.64	34.8
82-37-312 SERVICE CHARGES - CPMCWID	64,158.08	64,158.08	196,000.00	131,841.92	32.7
82-37-331 CONNECTION CHARGES	.00	.00	11,530.00	11,530.00	.0
82-37-332 SERVICING CUSTOMER INSTALL	2,565.00	2,565.00	10,000.00	7,435.00	25.7
82-37-411 INTEREST	16,603.73	16,603.73	30,000.00	13,396.27	55.4
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	601,925.00	601,925.00	48,500.00	(553,425.00)	1241.1
TOTAL OPERATING REVENUES	986,314.17	986,314.17	1,710,500.00	724,185.83	57.7
NON-OPERATING REVENUES					
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 SUNDY 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	986,314.17	986,314.17	2,731,500.00	1,745,185.83	36.1

CITY OF HILDALE
EXPENDITURES WITH COMPARISON TO BUDGET
FOR THE 5 MONTHS ENDING NOVEMBER 30, 2023

Item 3.

WASTEWATER FUND

	PERIOD ACTUAL	YTD ACTUAL	BUDGET	UNEXPENDED	PCNT
OPERATING EXPENDITURES					
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	1,265.63	1,265.63	5,400.00	4,134.37	23.4
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	29,358.55	29,358.55	38,000.00	8,641.45	77.3
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	.00	.00	5,300.00	5,300.00	.0
82-41-340 SYSTEM CONSTRUCTION SERVICES	184,422.18	184,422.18	540,000.00	355,577.82	34.2
82-41-341 CONST-CUSTOMER'S INSTALLATION	.00	.00	10,000.00	10,000.00	.0
TOTAL OPERATING EXPENDITURES	226,987.85	226,987.85	883,370.00	656,382.15	25.7
NON-OPERATING EXPENSES					
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	123,381.52	123,381.52	.00	(123,381.52)	.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	.00	.00	40,000.00	40,000.00	.0
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	123,381.52	123,381.52	1,848,130.00	1,724,748.48	6.7
TOTAL FUND EXPENDITURES	350,369.37	350,369.37	2,731,500.00	2,381,130.63	12.8
NET REVENUE OVER EXPENDITURES	635,944.80	635,944.80	.00	(635,944.80)	.0

CITY OF HILDALE
REVENUES WITH COMPARISON TO BUDGET
FOR THE 5 MONTHS ENDING NOVEMBER 30, 2023

Item 3.

GAS FUND

		PERIOD ACTUAL	YTD ACTUAL	BUDGET	UNEXPENDED	PCNT
OPERATING REVENUES						
84-37-111	GAS SALES - METERED NAT GAS	50,137.06	50,137.06	800,000.00	749,862.94	6.3
84-37-112	GAS SALES - METERED PROPANE	56,107.97	56,107.97	796,069.00	739,961.03	7.1
84-37-113	GAS SALES - CYLINDER	967.11	967.11	8,700.00	7,732.89	11.1
84-37-114	GAS SALES - CYLINDER EXCHANGE	179.96	179.96	3,700.00	3,520.04	4.9
84-37-121	NATURAL GAS SALES - FLAT RATE	12,552.72	12,552.72	38,000.00	25,447.28	33.0
84-37-122	PROPANE GAS - FLAT RATE	16,306.60	16,306.60	64,000.00	47,693.40	25.5
84-37-160	CONSTRUCTION REVENUE	11,424.70	11,424.70	100,000.00	88,575.30	11.4
84-37-331	CONNECTION CHARGES	1,230.00	1,230.00	8,000.00	6,770.00	15.4
84-37-351	SUNDRY OPERATING REVENUE	.00	.00	47,000.00	47,000.00	.0
84-37-411	INTEREST	11,041.74	11,041.74	25,000.00	13,958.26	44.2
84-37-412	PENALTIES	4,697.72	4,697.72	19,000.00	14,302.28	24.7
TOTAL OPERATING REVENUES		164,645.58	164,645.58	1,909,469.00	1,744,823.42	8.6
NON-OPERATING REVENUES						
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		164,645.58	164,645.58	2,734,499.00	2,569,853.42	6.0

CITY OF HILDALE
EXPENDITURES WITH COMPARISON TO BUDGET
FOR THE 5 MONTHS ENDING NOVEMBER 30, 2023

Item 3.

GAS FUND

	PERIOD ACTUAL	YTD ACTUAL	BUDGET	UNEXPENDED	PCNT
OPERATING EXPENDITURES					
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	780.75	780.75	3,500.00	2,719.25	22.3
84-41-260 TOOLS & EQUIPMENT-NON CAPITAL	.00	.00	8,000.00	8,000.00	.0
84-41-273 MAINT & SUPPLY SYSTEM	28,414.20	28,414.20	64,500.00	36,085.80	44.1
84-41-280 UTILITIES	64.72	64.72	.00	(64.72)	.0
84-41-285 POWER	333.81	333.81	2,000.00	1,666.19	16.7
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	496.33	496.33	40,000.00	39,503.67	1.2
84-41-431 NATURAL GAS COMMODITY SUPPLY	24,351.84	24,351.84	561,100.00	536,748.16	4.3
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	5,339.09	5,339.09	27,700.00	22,360.91	19.3
84-41-510 INSURANCE	12,842.75	12,842.75	.00	(12,842.75)	.0
84-41-580 RENT OR LEASE	400.00	400.00	4,900.00	4,500.00	8.2
84-41-610 MISC. SUPPLIES	.00	.00	5,000.00	5,000.00	.0
TOTAL OPERATING EXPENDITURES	106,990.42	106,990.42	1,382,500.00	1,275,509.58	7.7
NON-OPERATING EXPENDITURES					
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	106,990.42	106,990.42	2,734,499.00	2,627,508.58	3.9
NET REVENUE OVER EXPENDITURES	57,655.16	57,655.16	.00	(57,655.16)	.0

CITY OF HILDALE
REVENUES WITH COMPARISON TO BUDGET
FOR THE 5 MONTHS ENDING NOVEMBER 30, 2023

Item 3.

90 FUND HILDALE CITY FIBER DEP

	PERIOD ACTUAL	YTD ACTUAL	BUDGET	UNEXPENDED	PCNT
OPERATING REVENUES					
90-37-111 FIBER SALES	1,850.76	1,850.76	.00	(1,850.76)	.0
90-37-412 PENALTIES	13.15	13.15	.00	(13.15)	.0
TOTAL OPERATING REVENUES	1,863.91	1,863.91	.00	(1,863.91)	.0
NON-OPERATING REVENUES					
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	1,863.91	1,863.91	125,113.00	123,249.09	1.5

CITY OF HILDALE
EXPENDITURES WITH COMPARISON TO BUDGET
FOR THE 5 MONTHS ENDING NOVEMBER 30, 2023

Item 3.

90 FUND HILDALE CITY FIBER DEP

	PERIOD ACTUAL	YTD ACTUAL	BUDGET	UNEXPENDED	PCNT
OPERATING EXPENDITURES					
90-41-580 RENT OR LEASE	500.00	500.00	.00	(500.00)	.0
TOTAL OPERATING EXPENDITURES	500.00	500.00	.00	(500.00)	.0
NON-OPERATING EXPENDITURES					
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	500.00	500.00	125,113.00	124,613.00	.4
NET REVENUE OVER EXPENDITURES	1,363.91	1,363.91	.00	(1,363.91)	.0

CITY OF HILDALE		Invoice Register - for Bank Transfers Input Dates: 11/1/2023 - 11/30/2023							Page Item 3.	
Invoice	Seq	Type	Description	Invoice Date	Due Date	Total Cost	GL Activity	Period	GL Account	
1155 ARIZONA STRIP LANDFILL CORP										
COLL 1023	1	Invoice	LANDFILL SERVICES	11/14/2023	12/14/2023	40,012.92	0	11/23	11-21312	
14451	1	Invoice	FALL CLEAN UP	11/06/2023	12/06/2023	111.91	0	11/23	11-47-272	
Total 1155 ARIZONA STRIP LANDFILL CORP:							40,124.83			
1430 CASELLE, INC.										
128259	1	Invoice	CONTRACT FOR DECEMBER 23- 90% UTILITIES - SPLIT DISTRIBUTION	11/01/2023	12/01/2023	1,167.30	0	11/23	65-41-318	
128259	2	Invoice	CONTRACT FOR DECEMBER 23 - 10% ADMIN - SPLIT DISTRIBUTION	11/01/2023	12/01/2023	129.70	0	11/23	11-41-318	
Total 1430 CASELLE, INC.:							1,297.00			
1481 CHEMTECH-FORD LABORATORIES, INC.										
23J2343	1	Invoice	Water Tests	11/08/2023	12/08/2023	51.00	0	11/23	81-41-314	
Total 1481 CHEMTECH-FORD LABORATORIES, INC.:							51.00			
1580 COLORADO CITY FIRE DEPARTMENT										
DEC23-IGA	1	Invoice	FIRE DEPT IGA	12/01/2023	12/16/2023	7,583.33	0	11/23	11-44-980	
NOV23-IGA	1	Invoice	FIRE DEPT IGA	11/01/2023	11/16/2023	7,583.33	0	11/23	11-44-980	
OCT23-IGA	1	Invoice	FIRE DEPT IGA	10/01/2023	10/16/2023	7,583.33	0	11/23	11-44-980	
Total 1580 COLORADO CITY FIRE DEPARTMENT:							22,749.99			
2170 HILDALE CITY UTILITIES										
3180001-102	1	Invoice	Lab Shop Utilities	11/08/2023	11/23/2023	420.11	0	11/23	65-41-280	
6077001-102	1	Invoice	CITY HALL UTILITIES - 33% Admin - Split Distribution	11/08/2023	11/23/2023	77.18	0	11/23	11-41-280	
6077001-102	2	Invoice	CITY HALL UTILITIES - 67% Utilities - Split Distribution	11/08/2023	11/23/2023	156.69	0	11/23	65-41-280	
6217001-102	1	Invoice	MAXWELL PARK UTILITIES	11/08/2023	11/23/2023	325.60	0	11/23	11-48-280	
6231904-102	1	Invoice	MULBERRY ST BUILDING UTILITIES	11/08/2023	11/23/2023	192.00	0	11/23	41-41-790	
6428701-102	1	Invoice	Propane Yard Lease	11/08/2023	11/23/2023	100.00	0	11/23	84-41-580	
7011201-102	1	Invoice	Propane VAPORIZER GAS SERVICE	11/08/2023	11/23/2023	18.26	0	11/23	84-41-280	
Total 2170 HILDALE CITY UTILITIES:							1,289.84			
2560 HINTON BURDICK CPAs & ADVISORS										
294710	1	Invoice	FY23 Audit Progress Billing - 33% Admin Split Distribution	10/31/2023	11/30/2023	577.50	0	11/23	11-41-313	
294710	2	Invoice	FY23 Audit Progress Billing - 67% Utilities Split Distribution	10/31/2023	11/30/2023	1,172.50	0	11/23	65-41-313	
Total 2560 HINTON BURDICK CPAs & ADVISORS:							1,750.00			
2671 LES OLSON COMPANY										
EA1342718	1	Invoice	MAINTENANCE CONTRACT - 75% UTILITIES	11/20/2023	12/20/2023	588.00	0	11/23	65-41-144	
EA1342718	2	Invoice	MAINTENANCE CONTRACT - 25% ADMIN	11/20/2023	12/20/2023	196.00	0	11/23	11-41-241	
Total 2671 LES OLSON COMPANY:							784.00			
3450 SCHOLZEN PRODUCTS COMPANY, INC.										
3044778-00	1	Invoice	CYLINDER MONTHLY RENTAL	11/20/2023	12/20/2023	124.80	0	11/23	81-41-273	
6782189-00	1	Invoice	PUMP PARTS SPLIT	10/30/2023	11/29/2023	167.35	0	11/23	82-41-340	

CITY OF HILDALE										Page	Item 3.
Invoice Register - for Bank Transfers										Dec 04, 2023 04:03PM	
Input Dates: 11/1/2023 - 11/30/2023											
Invoice	Seq	Type	Description	Invoice Date	Due Date	Total Cost	GL Activity	Period	GL Account		
6782189-00	2	Invoice	PUMP PARTS SPLIT	10/30/2023	11/29/2023	75.06	0	11/23	82-42-750		
6782296-00	1	Invoice	Hydrant gate valve and fittings	10/26/2023	11/25/2023	430.04	0	11/23	81-41-273		
Total 3450 SCHOLZEN PRODUCTS COMPANY, INC.:										797.25	
3560 SOUTH CENTRAL COMMUNICATIONS											
16343900 11	1	Invoice	MAXWELL INTERNET	11/01/2023	11/16/2023	208.16	0	11/23	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	11/23	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	11/23	65-41-287		
Total 3560 SOUTH CENTRAL COMMUNICATIONS:										1,193.61	
3692 STEPHEN WADE AUTO CENTER											
5560926	1	Invoice	EMISSION CONTROL FILTER TRUCK 3172	10/05/2023	11/04/2023	196.68	0	11/23	65-41-250		
5563025	1	Invoice	EMISSION CONTROL FILTER TRUCK 3172	10/25/2023	11/24/2023	51.10	0	11/23	65-41-250		
Total 3692 STEPHEN WADE AUTO CENTER:										247.78	
3740 SUNRISE ENGINEERING, INC.											
0138239	1	Invoice	HILDALE CITY CULINARY WATER MASTER PLAN & IMPACT FEE FACILITIES PLAN UPDATE	11/06/2023	12/06/2023	19,935.00	0	11/23	81-41-311		
Total 3740 SUNRISE ENGINEERING, INC.:										19,935.00	
3930 TOWN OF COLORADO CITY											
10499	1	Invoice	GASOLINE FOR PUBLIC WORKS - ADMIN	11/01/2023	11/16/2023	186.15	0	11/23	11-41-257		
10499	2	Invoice	GASOLINE FOR PUBLIC WORKS - PARKS	11/01/2023	11/16/2023	130.01	0	11/23	11-48-257		
10499	3	Invoice	PROPANE TRUCK	11/01/2023	11/16/2023	230.99	0	11/23	84-41-257		
10499	4	Invoice	VAC TRUCK	11/01/2023	11/16/2023	266.73	0	11/23	82-41-257		
10499	5	Invoice	UTILITIES	11/01/2023	11/16/2023	2,902.68	0	11/23	65-41-257		
10499	6	Invoice	ADMIN FEE FOR HILDALE ADMIN AND PARKS	11/01/2023	11/16/2023	6.97	0	11/23	11-41-257		
10499	7	Invoice	ADMIN FEE FOR UTILITIES	11/01/2023	11/16/2023	67.51	0	11/23	65-41-257		
10500	1	Invoice	VERIZON OCTOBER 2023	11/01/2023	11/16/2023	200.29	0	11/23	11-41-287		
10520	1	Invoice	GENERAL & PROFESSIONAL LIABILITY & AUTO INSURANCE	11/01/2023	11/16/2023	2,297.65	0	11/23	84-41-510		
10520	2	Invoice	RISK MANAGEMENT FUND	11/01/2023	11/16/2023	598.35	0	11/23	65-41-510		
10520	3	Invoice	TUITION REIMBURSEMENT FUND	11/01/2023	11/16/2023	239.34	0	11/23	65-41-140		
10520	4	Invoice	PROPANE LIABILITY	11/01/2023	11/16/2023	270.90	0	11/23	84-41-510		
PROST 1023	1	Invoice	AZ SALES TAX PROPANE	10/31/2023	11/15/2023	1,296.69	0	11/23	84-21371		
WAT 1023	1	Invoice	AZ SALES TAX WATER	10/31/2023	11/15/2023	1,579.25	0	11/23	81-21371		
10523	1	Invoice	JUF PAYROLL 11.10.23	11/09/2023	11/24/2023	21,626.54	0	11/23	65-41-110		
10523	2	Invoice	GF PAYROLL 11.10.23	11/09/2023	11/24/2023	3,673.13	0	11/23	11-41-110		
10523	3	Invoice	BLDG PAYROLL 11.10.23	11/09/2023	11/24/2023	1,081.48	0	11/23	11-45-110		
10523	4	Invoice	PUBLIC WORKS PAYROLL 11.10.23	11/09/2023	11/24/2023	2,820.32	0	11/23	11-47-110		
10523	5	Invoice	COMM OUTREACH PAYROLL 11.10.23	11/09/2023	11/24/2023	210.38	0	11/23	11-49-110		
10523	6	Invoice	COURT PAYROLL 11.10.23	11/09/2023	11/24/2023	1,646.32	0	11/23	11-42-110		
10523	7	Invoice	GF CITY MANAGER 11.10.23	11/09/2023	11/24/2023	1,893.46	0	11/23	11-41-113		
10523	8	Invoice	GF CITY RECORDER 11.10.23	11/09/2023	11/24/2023	1,255.00	0	11/23	11-41-115		
10523	9	Invoice	GF CITY TREASURER								

Invoice	Seq	Type	Description	Invoice Date	Due Date	Total Cost	GL Activity	Period	GL Account
			11.10.23	11/09/2023	11/24/2023	106.24	0	11/23	11-41-114
10523	10	Invoice	JUF CITY MANAGER 11.10.23	11/09/2023	11/24/2023	1,262.31	0	11/23	65-41-113
10523	11	Invoice	JUF CITY RECORDER 11.10.23	11/09/2023	11/24/2023	1,255.00	0	11/23	65-41-115
10523	12	Invoice	JUF CITY TREASURER 11.10.23	11/09/2023	11/24/2023	1,912.23	0	11/23	65-41-114
10523	13	Invoice	JUF TEMP EMPLOYEES 11.10.23	11/09/2023	11/24/2023	1,536.27	0	11/23	65-41-120
10523	14	Invoice	JUF PAYROLL TAXES 11.10.23	11/09/2023	11/24/2023	1,789.62	0	11/23	65-41-130
10523	15	Invoice	JUF BENEFITS 11.10.23	11/09/2023	11/24/2023	1,431.80	0	11/23	65-41-140
10523	16	Invoice	GF PAYROLL TAXES 11.10.23	11/09/2023	11/24/2023	751.60	0	11/23	11-41-130
10523	17	Invoice	GF BENEFITS 11.10.23	11/09/2023	11/24/2023	530.14	0	11/23	11-41-140
10523	18	Invoice	PUBLIC WORKS PAYROLL TAXES 11.10.23	11/09/2023	11/24/2023	270.67	0	11/23	11-47-130
10523	19	Invoice	COMM OUTREACH PAYROLL TAXES 11.10.23	11/09/2023	11/24/2023	32.19	0	11/23	11-49-130
10523	20	Invoice	COURT PAYROLL TAXES & BENEFITS 11.10.23	11/09/2023	11/24/2023	221.32	0	11/23	11-42-130
10523	21	Invoice	ADMIN FEE FOR HILDALE ADMIN AND PARKS	11/09/2023	11/24/2023	226.52	0	11/23	11-41-242
10523	22	Invoice	ADMIN FEE FOR UTILITIES	11/09/2023	11/24/2023	226.53	0	11/23	65-41-242
10532	1	Invoice	JUF PAYROLL 11.24.23	11/22/2023	12/07/2023	21,826.47	0	11/23	65-41-110
10532	2	Invoice	GF PAYROLL 11.24.23	11/22/2023	12/07/2023	3,647.35	0	11/23	11-41-110
10532	3	Invoice	BLDG PAYROLL 11.24.23	11/22/2023	12/07/2023	1,357.42	0	11/23	11-45-110
10532	4	Invoice	PUBLIC WORKS PAYROLL 11.24.23	11/22/2023	12/07/2023	5,190.79	0	11/23	11-47-110
10532	5	Invoice	COMM OUTREACH PAYROLL 11.24.23	11/22/2023	12/07/2023	210.38	0	11/23	11-49-110
10532	6	Invoice	COURT PAYROLL 11.24.23	11/22/2023	12/07/2023	1,828.33	0	11/23	11-42-110
10532	7	Invoice	GF CITY MANAGER PAYROLL 11.24.23	11/22/2023	12/07/2023	1,893.46	0	11/23	11-41-113
10532	8	Invoice	GF CITY RECORDER PAYROLL 11.24.23	11/22/2023	12/07/2023	1,621.00	0	11/23	11-41-115
10532	9	Invoice	GF CITY TREASURER PAYROLL 11.24.23	11/22/2023	12/07/2023	106.24	0	11/23	11-41-114
10532	10	Invoice	JUF CITY MANAGER	11/22/2023	12/07/2023	1,262.31	0	11/23	65-41-113
10532	11	Invoice	JUF CITY RECORDER PAYROLL 11.24.23	11/22/2023	12/07/2023	1,621.00	0	11/23	65-41-115
10532	12	Invoice	JUF CITI TREASURER PAYROLL 11.24.23	11/22/2023	12/07/2023	1,912.23	0	11/23	65-41-114
10532	13	Invoice	JUF TEMP EMPLOYEE PAYROLL 11.24.23	11/22/2023	12/07/2023	1,568.97	0	11/23	65-41-120
10532	14	Invoice	JUF PAYROLL TAXES 11.24.23	11/22/2023	12/07/2023	1,805.38	0	11/23	65-41-130
10532	15	Invoice	JUF BENEFITS 11.24.23	11/22/2023	12/07/2023	6,499.15	0	11/23	65-41-140
10532	16	Invoice	GF PAYROLL TAXES 11.24.23	11/22/2023	12/07/2023	829.23	0	11/23	11-41-130
10532	17	Invoice	GF BENEFITS 11.24.23	11/22/2023	12/07/2023	2,745.15	0	11/23	11-41-140
10532	18	Invoice	PUBLIC WORKS PAYROLL TAXES 11.24.23	11/22/2023	12/07/2023	448.57	0	11/23	11-47-130
10532	19	Invoice	COMM OUTREACH PAYROLL TAXES 11.24.23	11/22/2023	12/07/2023	32.19	0	11/23	11-49-130
10532	20	Invoice	COURT PAYROLL TAXES & BENEFITS 11.24.23	11/22/2023	12/07/2023	801.88	0	11/23	11-42-130
10532	21	Invoice	ADMIN FEE FOR UTILITIES	11/22/2023	12/07/2023	286.01	0	11/23	65-41-242
10532	22	Invoice	ADMIN FEE FOR HILDALE ADMIN AND PARKS	11/22/2023	12/07/2023	286.00	0	11/23	11-41-242
10524	1	Invoice	DOJ COURT COST SHARING - CARTER	11/17/2023	12/02/2023	623.07	0	11/23	63-41-310
10525	1	Invoice	DOJ COURT COST SHARING - CARTER	11/17/2023	12/02/2023	1,969.92	0	11/23	63-41-310
10526	1	Invoice	DOJ COURT COST SHARING - KEITH	11/17/2023	12/02/2023	2,802.53	0	11/23	63-41-310

Total 3930 TOWN OF COLORADO CITY:

119,207.61

Invoice	Seq	Type	Description	Invoice Date	Due Date	Total Cost	GL Activity	Period	GL Account
Total 4020 USPS:									700.00
4055 UNIFIRST CORPORATION									
2310012082	1	Invoice	LAUNDRY	11/06/2023	12/06/2023	171.82	0	11/23	65-41-260
2310012608	1	Invoice	LAUNDRY	11/13/2023	12/13/2023	171.82	0	11/23	65-41-260
2310013152	1	Invoice	LAUNDRY	11/20/2023	12/20/2023	171.82	0	11/23	65-41-260
2310013745	1	Invoice	LAUNDRY	11/27/2023	12/27/2023	171.82	0	11/23	65-41-260
Total 4055 UNIFIRST CORPORATION:									687.28
4220 UTAH STATE TREASURER									
TC-55 1023	1	Invoice	SURCHARGES	11/03/2023	12/03/2023	1,294.21	0	11/23	11-42-550
Total 4220 UTAH STATE TREASURER:									1,294.21
4528 DELCO WESTERN									
23-2393	1	Invoice	WATER PLANT PUMPS	11/06/2023	12/06/2023	1,487.40	0	11/23	81-41-273
232405	1	Invoice	CONTACTOR FOR Well #4	11/07/2023	12/07/2023	494.00	0	11/23	81-41-250
232405	2	Invoice	FREIGHT	11/07/2023	12/07/2023	18.10	0	11/23	81-41-250
23-2440	1	Invoice	WATER PLANT PUMPS	11/10/2023	12/10/2023	434.85	0	11/23	81-41-273
23-2485	1	Invoice	WATER PLANT PUMPS	11/15/2023	12/15/2023	452.00	0	11/23	81-41-273
Total 4528 DELCO WESTERN:									2,886.35
4605 SUMMIT ENERGY, LLC									
1023HILD	1	Invoice	NATURAL GAS COMMODITY - 10/23	11/03/2023	12/03/2023	15,890.19	0	11/23	84-41-431
Total 4605 SUMMIT ENERGY, LLC:									15,890.19
4620 VERIZON WIRELESS									
9946882590	1	Invoice	WIRELESS SERVICE - UTILITIES 43% SEPT 15 - OCT 14	11/06/2023	12/06/2023	309.34	0	11/23	65-41-287
9946882590	2	Invoice	WIRELESS SERVICE - ADMIN 57% SEPT 15 - OCT 14	11/06/2023	12/06/2023	410.05	0	11/23	11-41-287
Total 4620 VERIZON WIRELESS:									719.39
4694 PREFERRED PARTS									
15048-14690	1	Invoice	OIL - PARKS DEPARTMENT	10/31/2023	11/30/2023	59.02	0	11/23	11-48-250
15048-14694	1	Invoice	DURANGO SERVICE	10/31/2023	11/30/2023	40.35	0	11/23	11-41-743
15048-14703	1	Invoice	OFFICE VEHICLE SERVICE	11/01/2023	11/30/2023	32.99	0	11/23	11-41-743
Total 4694 PREFERRED PARTS:									132.36
4701 ZIONS FIRST NATIONAL BANK									
EFTPS 1023	1	Invoice	SOCIAL SECURITY - FICA DEPOSIT 1023	10/31/2023	11/30/2023	1,601.52	0	11/23	11-22211
EFTPS 1023	2	Invoice	MEDICARE - FICA DEPOSIT 1023	10/31/2023	11/30/2023	374.56	0	11/23	11-22212
EFTPS 1023	3	Invoice	TAX WITHHOLDING - FICA DEPOSIT 1023	10/31/2023	11/30/2023	386.61	0	11/23	11-22213
Total 4701 ZIONS FIRST NATIONAL BANK:									2,362.69
4750 DJB GAS SERVICES, INC.									
01466426	1	Invoice	WELDER Cylinder Rental	10/31/2023	11/30/2023	29.92	0	11/23	65-41-250

Invoice	Seq	Type	Description	Invoice Date	Due Date	Total Cost	GL Activity	Period	GL Account
Total 4750 DJB GAS SERVICES, INC.:									29.92
5057 GARKANE ENERGY									
1684200-112	1	Invoice	MAXWELL PARK POWER	11/15/2023	11/30/2023	217.52	0	11/23	11-48-285
1709902-112	1	Invoice	Power Plant Well Power	11/15/2023	11/30/2023	42.85	0	11/23	81-41-285
1711203-112	1	Invoice	INNOVATION CENTER POWER	11/15/2023	11/30/2023	125.34	0	11/23	41-41-790
1717500-112	1	Invoice	CENTENNIAL PARK LIFT STATION	11/22/2023	11/30/2023	739.20	0	11/23	82-41-285
1734500-112	1	Invoice	EAST WATER TANKS	11/22/2023	11/30/2023	56.27	0	11/23	81-41-285
1763000-112	1	Invoice	SPRINKLER PUMP STATION	11/15/2023	11/30/2023	1,571.13	0	11/23	82-41-285
1763900-112	1	Invoice	SEWER HEADWORKS POWER	11/15/2023	11/30/2023	4,299.32	0	11/23	82-41-285
1768100-112	1	Invoice	Well #8 POWER	11/22/2023	11/30/2023	92.96	0	11/23	81-41-285
1772300-112	1	Invoice	Well #10 POWER	11/22/2023	11/30/2023	63.19	0	11/23	81-41-285
1772400-112	1	Invoice	Well #4 POWER	11/22/2023	11/30/2023	273.96	0	11/23	81-41-285
1772500-112	1	Invoice	CITY HALL POWER 67%	11/15/2023	11/30/2023	264.46	0	11/23	65-41-285
1772500-112	2	Invoice	CITY HALL POWER 33%	11/15/2023	11/30/2023	130.26	0	11/23	11-41-285
1775500-112	1	Invoice	WATER PLANT POWER	11/22/2023	11/30/2023	2,705.63	0	11/23	81-41-285
1780600-112	1	Invoice	Well #19 POWER	11/22/2023	11/30/2023	727.55	0	11/23	81-41-285
1781000-112	1	Invoice	WELL #17 POWER	11/22/2023	11/30/2023	33.18	0	11/23	81-41-285
1782300-112	1	Invoice	LAB SHOP POWER	11/15/2023	11/30/2023	574.50	0	11/23	65-41-285
1782501-112	1	Invoice	WELL #22 POWER	11/15/2023	11/30/2023	1,134.97	0	11/23	81-41-285
1787300-112	1	Invoice	Propane Yard Power	11/15/2023	11/30/2023	81.33	0	11/23	84-41-285
1790000-112	1	Invoice	Street Lights Power	11/08/2023	11/30/2023	487.21	0	11/23	11-47-286
1793900-112	1	Invoice	Million Gallon Tank Power	11/15/2023	11/30/2023	44.42	0	11/23	81-41-285
1945500-112	1	Invoice	ACADEMY AVE WELL POWER	11/22/2023	11/30/2023	2,914.76	0	11/23	81-41-285
2026700-112	1	Invoice	WELL #21 POWER	11/22/2023	11/30/2023	920.07	0	11/23	81-41-285
Total 5057 GARKANE ENERGY:									17,500.08
5075 UTAH STATE FIRE MARSHAL									
2023-02101	1	Invoice	CERTIFICATION FEES	11/21/2023	11/30/2023	730.00	0	11/23	84-41-273
Total 5075 UTAH STATE FIRE MARSHAL:									730.00
5083 JNJ ENGINEERING									
CHANGE OR	1	Invoice	CANYON STREET SIDEWALK IMPROVEMENT PROJECT CHANGE ORDER 3	10/17/2022	11/30/2023	114,325.50	0	11/23	11-47-953
JNJ DRAW 1	2	Adjustmen	CANYON STREET SIDEWALK IMPROVEMENT PROJECT ADDITIONAL FOOTAGE	09/20/2023	09/30/2023	78,503.25-	0	11/23	11-47-953
Total 5083 JNJ ENGINEERING:									35,822.25
5288 TOWN OF COLORADO CITY DISPATCH									
10517	1	Invoice	TOCC DISPATCH IGA	11/01/2023	11/30/2023	9,514.00	0	11/23	11-46-980
Total 5288 TOWN OF COLORADO CITY DISPATCH:									9,514.00
5290 TOWN OF COLORADO CITY POLICE									
10518	1	Invoice	POLICE SERVICE IGA NOVEMBER 2023	11/01/2023	11/30/2023	34,338.83	0	11/23	11-43-980
10473	1	Invoice	POLICE SERVICE IGA OCTOBER 2023	10/01/2023	11/30/2023	34,338.83	0	11/23	11-43-980
Total 5290 TOWN OF COLORADO CITY POLICE:									68,677.66

CITY OF HILDALE		Invoice Register - for Bank Transfers Input Dates: 11/1/2023 - 11/30/2023							Page Item 3.	
Invoice	Seq	Type	Description	Invoice Date	Due Date	Total Cost	GL Activity	Period	GL Account	
5401 SHRED ST GEORGE										
53347112023	1	Invoice	PAPER SHREDDING - 50% ADMIN	11/20/2023	11/30/2023	27.47	0	11/23	11-41-240	
53347112023	2	Invoice	PAPER SHREDDING - 50% UTILITIES	11/20/2023	11/30/2023	27.48	0	11/23	65-41-271	
Total 5401 SHRED ST GEORGE:										54.95
5471 PINNACLE GAS PRODUCTS										
160567	1	Invoice	FITTINGS FOR PO# 14948	11/02/2023	11/30/2023	7,517.38	0	11/23	84-41-340	
160615	1	Invoice	BACK ORDER FOR PO# 14921	11/03/2023	11/30/2023	123.90	0	11/23	84-41-340	
160938	1	Invoice	gas riser, regulators, and valves	11/10/2023	11/30/2023	709.95	0	11/23	84-41-340	
160880	1	Invoice	GAS TANK FILL ADAPTORS	11/09/2023	11/30/2023	233.30	0	11/23	82-41-340	
Total 5471 PINNACLE GAS PRODUCTS:										8,584.53
5518 CUSTOMER DEPOSIT										
3009018 103	1	Invoice	3009018 CUSTOMER DEPOSIT REFUND	10/30/2023	11/30/2023	33.64	0	11/23	81-21350	
3460600 100	1	Invoice	3460600 CUSTOMER DEPOSIT REFUND	10/03/2023	11/30/2023	88.21	0	11/23	81-21350	
Total 5518 CUSTOMER DEPOSIT:										121.85
5553 EXECUTECH UTAH, INC.										
30666	1	Invoice	OFFICE 365 G3 GCC (GOVERNMENT) 30% SPLIT	10/31/2023	11/30/2023	283.44	0	11/23	11-41-316	
30666	2	Invoice	OFFICE 365 G3 GCC (GOVERNMENT) 70% SPLIT	10/31/2023	11/30/2023	661.35	0	11/23	65-41-318	
30679	1	Invoice	IT MANAGEMENT SERVICES 70% SPLIT	11/01/2023	11/30/2023	2,625.00	0	11/23	65-41-318	
30679	2	Invoice	IT MANAGEMENT SERVICES ADMIN 30% SPLIT	11/01/2023	11/30/2023	1,125.00	0	11/23	11-41-316	
Total 5553 EXECUTECH UTAH, INC.:										4,694.79
5580 STATE OF UTAH DEPT. OF AGRICULTURE&FOOD										
102523	1	Invoice	ESTABLISHMENT REGISTRATION FOR 2024	11/07/2023	12/07/2023	200.00	0	11/23	84-41-210	
Total 5580 STATE OF UTAH DEPT. OF AGRICULTURE&FOOD:										200.00
5605 NGL SUPPLY CO. LTD										
NGL499664	1	Invoice	Propane Commodity - Contract Deposit	11/10/2023	11/30/2023	16,003.43	0	11/23	84-41-432	
Total 5605 NGL SUPPLY CO. LTD:										16,003.43
5607 DOMINION ENERGY										
5948550000-	1	Invoice	Natural Gas Commodity	11/03/2023	11/30/2023	2,130.49	0	11/23	84-41-434	
Total 5607 DOMINION ENERGY:										2,130.49
5633 RATON, LLC										
1763	1	Invoice	Electrical Labor & Parts for Town Hall 50% SPLIT	05/20/2023	11/30/2023	240.37	0	11/23	11-41-271	
1763	2	Invoice	Electrical Labor & Parts for Town Hall 50% SPLIT	05/20/2023	11/30/2023	240.38	0	11/23	65-41-271	
1875	1	Invoice	SYSTEM CONSTRUCTION 70% SPLIT	10/19/2023	11/30/2023	7,596.90	0	11/23	82-41-340	
1875	2	Invoice	SYSTEM CONSTRUCTION 30% SPLIT	10/19/2023	11/30/2023	3,255.81	0	11/23	82-42-750	

Invoice	Seq	Type	Description	Invoice Date	Due Date	Total Cost	GL Activity	Period	GL Account
Total 5633 RATON, LLC:								11,333.46	
5646 XPRESS BILL PAY									
INV-XPR006	1	Invoice	XPRESS BILL PAY AND ACCOUNT MAINTENANCE OCT 2023	10/31/2023	11/30/2023	707.46	0	11/23	65-41-318
Total 5646 XPRESS BILL PAY:								707.46	
5697 BLACK TIE PRESS									
1265	1	Invoice	CHECKS ZIONS BANK 40 % ADMIN	11/07/2023	11/30/2023	60.00	0	11/23	11-41-240
1265	2	Invoice	CHECKS ZIONS BANK 60% UTILITIES	11/07/2023	11/30/2023	90.00	0	11/23	65-41-240
Total 5697 BLACK TIE PRESS:								150.00	
5712 CATALYST CONSTRUCTION									
150	1	Invoice	Fiber Server Office Rent	11/01/2023	11/30/2023	100.00	0	11/23	90-41-580
Total 5712 CATALYST CONSTRUCTION:								100.00	
5720 SUSAN STEED									
53	1	Invoice	CITY OFFICE CLEANING - 25% UTILITY - SPLIT DISTRIBUTION	11/02/2023	11/30/2023	40.50	0	11/23	65-41-271
53	2	Invoice	CITY OFFICE CLEANING - 75% ADMIN - SPLIT DISTRIBUTION	11/02/2023	11/30/2023	121.50	0	11/23	11-41-271
53	3	Invoice	UTILITY OFFICE BUILDING	11/02/2023	11/30/2023	144.00	0	11/23	65-41-271
53	4	Invoice	PARK BATHROOMS	11/02/2023	11/30/2023	288.00	0	11/23	11-48-240
53	5	Invoice	MULBERRY ST. BUILDING CLEANING	11/02/2023	11/30/2023	36.00	0	11/23	41-41-790
54	1	Invoice	CITY OFFICE CLEANING - 25% UTILITY - SPLIT DISTRIBUTION	11/28/2023	11/30/2023	27.00	0	11/23	65-41-271
54	2	Invoice	CITY OFFICE CLEANING - 75% ADMIN - SPLIT DISTRIBUTION	11/28/2023	11/30/2023	81.00	0	11/23	11-41-271
54	3	Invoice	UTILITY OFFICE BUILDING	11/28/2023	11/30/2023	108.00	0	11/23	65-41-271
54	4	Invoice	PARK BATHROOMS	11/28/2023	11/30/2023	90.00	0	11/23	11-48-240
54	5	Invoice	PROPANE YARD BATHROOMS	11/28/2023	11/30/2023	18.00	0	11/23	65-41-271
54	6	Invoice	MULBERRY ST. BUILDING CLEANING	11/28/2023	11/30/2023	72.00	0	11/23	41-41-790
Total 5720 SUSAN STEED:								1,026.00	
5736 Owen Equipment									
00113978	1	Invoice	Jet Nozzle for spring line	11/27/2023	11/30/2023	437.40	0	11/23	81-41-273
Total 5736 Owen Equipment:								437.40	
5741 AARDVARK UNDERGROUND, INC.									
2976	1	Invoice	HEADWORKS BUILDING 70% SPLIT	10/25/2023	11/30/2023	23,912.00	0	11/23	82-41-340
2976	2	Invoice	HEADWORKS BUILDING 30% SPLIT	10/25/2023	11/30/2023	10,248.00	0	11/23	82-42-750
2977	1	Invoice	Sewer Impact Fee - Base Bid Items	10/25/2023	11/30/2023	11,167.50	0	11/23	82-42-750
2977	2	Invoice	Sewer Impact Fee - Alternate Bid Items	10/25/2023	11/30/2023	33,816.00	0	11/23	82-42-750
2977	3	Invoice	System Construction	10/25/2023	11/30/2023	26,057.50	0	11/23	82-41-340

Invoice	Seq	Type	Description	Invoice Date	Due Date	Total Cost	GL Activity	Period	GL Account
Total 5741 AARDVARK UNDERGROUND, INC.:								105,201.00	
5745 PUBLIC MANAGEMENT PARTNERS									
10-2023	1	Invoice	COURT MONITOR FEES FOR OCTOBER 2023	11/06/2023	11/30/2023	595.00	0	11/23	63-41-310
Total 5745 PUBLIC MANAGEMENT PARTNERS:								595.00	
5825 ZION TROPHIES AND AWARDS									
932	1	Invoice	MEDALS PLAQUES RIBBONS	10/31/2023	11/30/2023	21.35	0	11/23	11-41-240
944	1	Invoice	MEDALS PLAQUES RIBBONS	11/07/2023	11/30/2023	21.35	0	11/23	11-41-240
Total 5825 ZION TROPHIES AND AWARDS:								42.70	
5843 SINTONIA INC									
17	1	Invoice	CITY ATTORNEY	11/01/2023	11/30/2023	5,000.00	0	11/23	11-41-117
Total 5843 SINTONIA INC:								5,000.00	
5866 Morgan Huntsman									
COURT (21)	1	Invoice	COURT CLERK ASSISTANCE 10.06.23 - 10.12.23	10/06/2023	11/30/2023	28.00	0	10/23	11-42-110
COURT (21)	2	Invoice	COURT CLERK ASSISTANCE 10.13.23 - 10.19.23	10/06/2023	11/30/2023	28.00	0	11/23	11-42-110
Total 5866 Morgan Huntsman:								56.00	
5894 JERALD A POSTEMA									
1042-23	1	Invoice	UTILITIES DIRECTOR CONTRACT FOR OCTOBER 2023	11/07/2023	11/30/2023	5,000.00	0	11/23	65-41-310
1042-23	2	Invoice	FOOD AND MEALS REIMBURSEMENT	11/07/2023	11/30/2023	71.82	0	11/23	65-41-310
1042-23	3	Invoice	TRAVEL	11/07/2023	11/30/2023	519.38	0	11/23	65-41-310
Total 5894 JERALD A POSTEMA:								5,591.20	
5921 LORI WEDEMEYER									
112023	1	Invoice	NOVEMBER HR CONSULTING 50% SPLIT	11/16/2023	11/30/2023	750.00	0	11/23	11-41-312
112023	2	Invoice	NOVEMBER HR CONSULTING SPLIT 50%	11/16/2023	11/30/2023	750.00	0	11/23	65-41-310
111723	1	Invoice	TRAVEL REIMBURSEMENT	11/17/2023	11/30/2023	454.08	0	11/23	11-41-312
Total 5921 LORI WEDEMEYER:								1,954.08	
5926 Vergel Barlow									
60292	1	Invoice	TOWING TRUCK #3172	07/26/2023	11/30/2023	421.88	0	11/23	65-41-250
Total 5926 Vergel Barlow:								421.88	
Grand Totals:								530,780.51	

GL Period	Amount
11/23	530,752.51
10/23	28.00
Grand Totals:	<u>530,780.51</u>

Vendor number hash: 484706

Vendor number hash - split: 850332

Total number of invoices: 108

Total number of transactions: 192

Terms Description	Invoice Amount	Discount Amount	Net Invoice Amount
Net 15	145,141.05	.00	145,141.05
NET 30	86,494.20	.00	86,494.20
Open Terms	299,145.26	.00	299,145.26
Grand Totals:	<u>530,780.51</u>	<u>.00</u>	<u>530,780.51</u>

To: Hildale City Mayor and Council
From: City Manager Eric Duthie
Date: December 1, 2023
Re: Monthly update and report for November 2023

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This is a general report of actions and administrative issues addressed during the previous month and advisory of actions and issues to address during the new month. If you have a specific question, please contact me directly.

General Information:

- Reviewed and approved permit applications
- Met with various residents to discuss issues and concerns.
- Staff meeting in person and virtual training including:
 - Dignity Index review (training)
- Updated Facebook messaging.
- Economic Development Master Plan development continuing
- Coordinated the rate study process with consultant.
- Responded to media inquiries.
- Coordinated issues with the Upper Mesa Economic Development Group
- VETERANS DAY Fri 11/10/2023 OFFICE CLOSED
- THANKSGIVING DAY Thu 11/23/2023 OFFICE CLOSED
- THANKSGIVING DAY Fri 11/24/2023 OFFICE CLOSED

Actions taken:

- ❖ External Agency/Group interchange:
 - Prepared US Economic Development Administration Grants
 - Conducted various water strategies meetings.
 - Water rights hearing status update to November
 - Coordinated the "What's Up Down South" video.
 - Participated in the Utah Rural Leadership Academy
 - Federal website research CDBG/SRTS registrations
 - PTIF access for financial consultants
 - UDOT Technical Planning Assistance
 - Governor's Office of Planning and Budget process interview conducted.
 - Single event alcohol permit reviewed for the 2024 Colorado City Music Festival
 - Chamber of Commerce scholarship funds issue discussed and reviewed.
 - Responded to Utah Department of Transportation hazardous traffic conditions survey.
 - Hildale Subdivision Code Update Memorandum of Understanding reviewed/signed.
 - Water rights transfer hearing testimony prepared.
 - Hosted a Utah State University Rural Online meeting.
 - Mohave Community College Collaboration discussed.
 - Attended the "Utah Coordinated Action Plan for Economic Vision 2030" meeting.
 - Hosted Utah Tech University management team to a site-visit and discussion.

- Participated in the “No Cost Cybersecurity Services for Local Government Entities” project.
- Accepted invitation and attended the North Mohave Campus Advisory Council meeting.
- Attended the Utah Department of Transportation Trails project update.
- Attended the “State and Local Fiscal Recovery Funds (SLFRF) Obligations Interim Final Rule” webinar.
- Completed a Real Property Transfer Survey for property deeds.
- Attended webinar “How to partner with EDA.
- Well certification issues reviewed.
- Legislative Policy Committee participation
- Community Asset Self Inventory and Community Development Block Grant Application prepared.
- Mohave Community College Collaboration agreement approved.
- Attended the Utha Department of Transportation Commission area tour.
- Assisted Washington County Election Department (no contact with Hildale ballots)
- Received certification approval with a “clean” audit report for natural gas distribution in Arizona.
- Reviewed Utah Geospatial Resource Center GIS update/status
- Approved a request to host GED studies (in coordination with Cherish Families) at the Innovation Center building.
- Contacted by Washington County Attorney to discuss Justice Court Reform
- Reviewed the Utah Cyber Center KnowBe4 - Security Awareness and Training
- Dixie Transportation / Council of Mayors attended.
- Reviewed the end of year Small Business Administration Lending report.
- Submitted Notice of Interest for Mitigation Direct Technical Assistance
- Completed enrollment for FEMA GO website.

❖ Internal interchange:

- Conducted a Planning and Zoning meeting.
- Innovation Center training and assistance continuing.
- Addressed building permit concerns.
- FY23 audit requests/responses
- Site visit to Zion View Campgrounds
- Reviewed draft Water Master Plan
- Reviewed draft of Impact Fee Plan
- Trails system maps reviewed.
- Maxwell Park plans reviewed.
- City/County Cybersecurity Outreach Team coordination
- Custodial (Parks/Innovation Center/City Hall) services reviewed.
- Justice Court Recertification Packet review and assigned.
- Conducted a Planning and Zoning Commission Meeting
- Elected Officials Essentials: Newly Elected Official Crash Course registered.
- Approved tree removal from exterior stair/ramp access to City Hall
- Expense reduction memo issued.

Page | 2

- Conducted a Utility Advisory Board meeting.
- Industrial Lot lease reviews
- Public Improvement District orientation/review
- Utility Operator Certification plan reviewed.
- Finance completion for Horton 457 Type I Ambulance
- TKS Fiber Extension reviewed and approved.
- Easement Encroachment Permit distribution process reviewed.
- Reviewed utilities GPS inventory
- Confirmed General Commercial zoning for potential restaurant location.
- Continued work on a development agreement for Skye Valley development
- Coordinated general discussion of a regional wastewater option.
- Prepared basic city fee schedule amendment.
- Prepared a Senate presentation for site visit.
- Prepared a new Safe Routes to School (SRTS) grant application.
- Met with Colorado City Town Manager to coordinate efforts.
- Prepared Innovation Center Infrastructure plan
- Newly Elected Councilmembers orientation Template prepared and distributed.
- Acknowledged request from Ash Creek Special District to discuss wastewater options.
- Followed up discussion with Centennial Park Water concerning wastewater.
- Noticed Fair Housing Training schedule.
- Reviewed WCWCD Air Gap inspection documents
- Hildale Innovation Center Traffic Study and Concept Design Scope and Engineer Fee prepared.
- Reviewing potential cost savings with telephone provider
- Hosted Greater Zion Utah to a site-visit and area tour and strategy discussion.

Page | 3

Future actions

- Complete the City Prosecutor agreement.
- Justice Court Recertification Packet submitted to Council.
- Prepare SRTS grant submitted to Council.
- Prepare CDBG grant submitted to Council.
- Issue bids for Innovation Center infrastructure projects
- Complete the DOJ annual training.
- Continue discussions with the U.S. Census Department
- Host Utah Legislative Delegation site-visit and strategic plan discussion



Item 4.

Utilities Monthly Report

November 2023

Gas Operations:

Gas staff delivered and hooked up several propane tanks for customers. Staff also connected new service lines to metered natural gas customers. Staff are adjusting gas regulators to increase the flow through the Hildale/Colorado City Gate Station.

Natural Gas and Propane contracts are in place through May of 2024 to stabilize the rates.





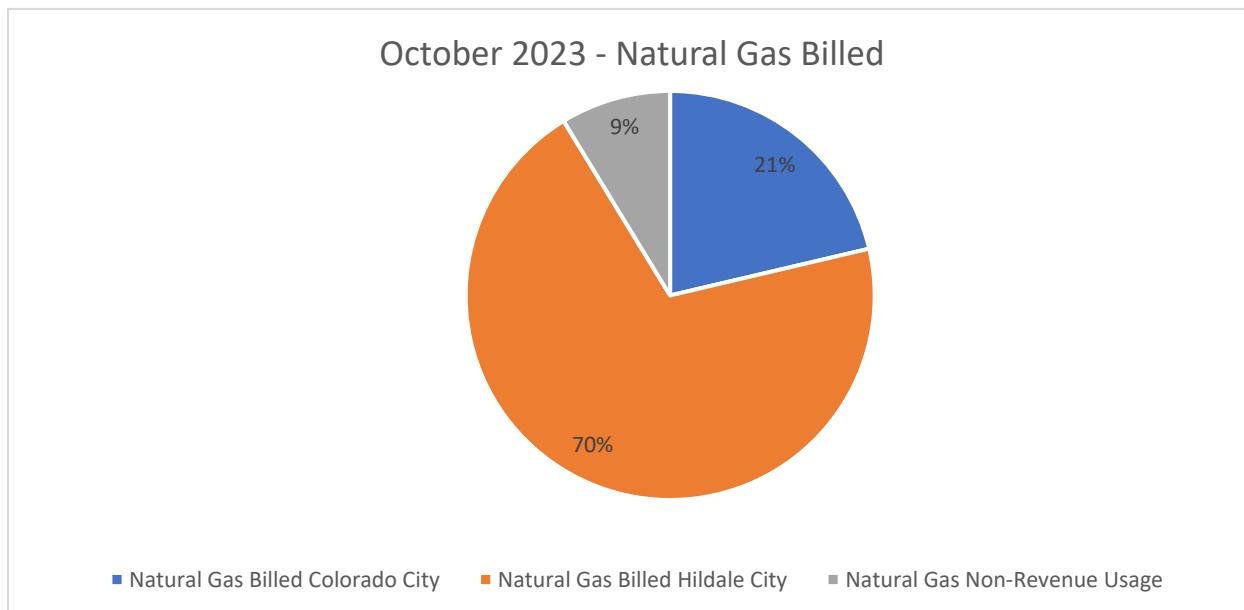
Item 4.

THE FOLLOWING GRAPHS FOR GAS AND WATER ARE NOT FULLY VETTED FOR ACCURACY. THEY ARE FOR FEEDBACK FROM THE COUNCILS TO DETERMINE IF MORE INFORMATION IS DESIRED.

Natural Gas billed to Colorado City and Hildale City customers for October 2023.

Description	Quantity Billed*	Number of Customers
Natural Gas Purchased	2,001,200	
Natural Gas Billed Colorado City	426,800	192
Natural Gas Billed Hildale City	1,399,800	311
Natural Gas Non-Revenue Usage	174,600	

*Numbers are in Corrected Cubic Feet (100 Corrected Cubic Feet = 1 Therm)





Item 4.

Sewer Operations:

The Utility Crew cleaned approximately 15,400 feet of sewer main line this month. With the addition of the Smart Cover, the alarm alerted staff several times this past month about increased flows in the sewer manhole in Centennial Park. Staff responded to the alarms before any overflows could occur.



Staff found Sewer Lift Station Pump #2 was not pumping as much as in the past due to wear on the impellers. Crews removed the pump and replaced it with a new pump which we had on standby.

Sewer Headworks Project

The Sewer Headworks Project has been delayed until the slide gates are delivered.



Item 4.

Water Operations:

The crew replaced a faulty check valve and a broken butterfly valve at the Water Treatment Plant. We also replaced a booster pump that had the motor fail that will be sent out to be repaired. Crews worked with Jones DeMille staff to locate the existing Utilities in preparation for the upcoming ARPA Raw Water Line Replacement and Well Project.





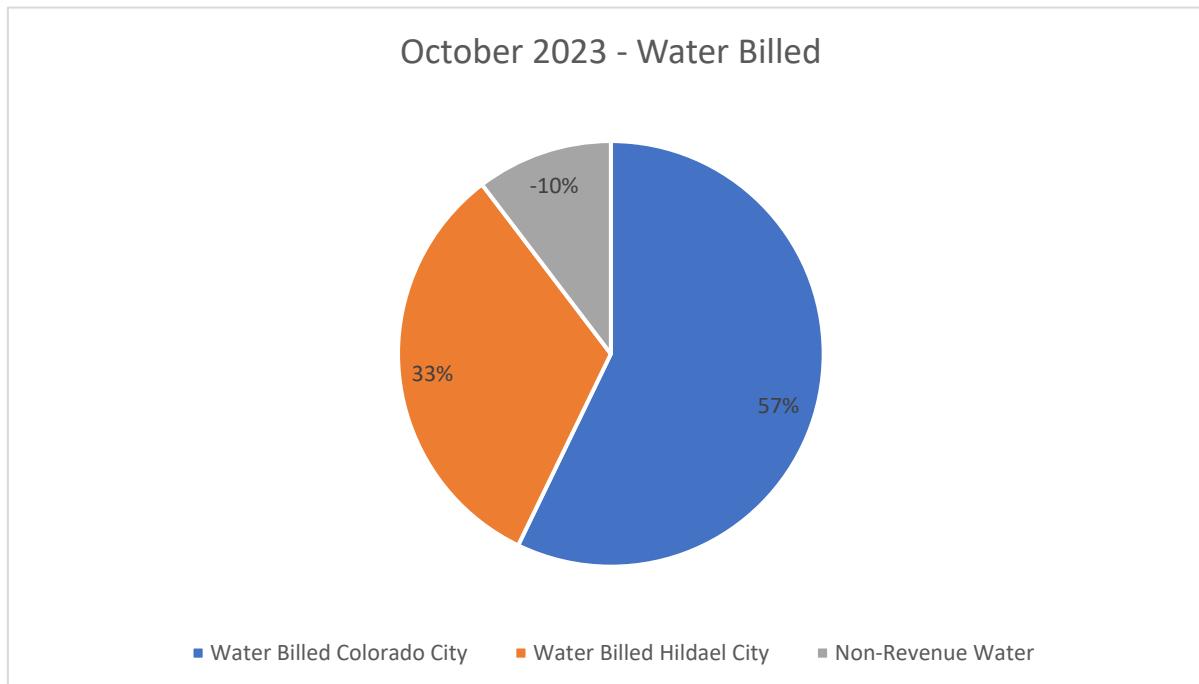
Item 4.

THE FOLLOWING GRAPHS FOR GAS AND WATER ARE NOT FULLY VETTED FOR ACCURACY. THEY ARE FOR FEEDBACK FROM THE COUNCILS TO DETERMINE IF MORE INFORMATION IS DESIRED.

Water billed to Colorado City and Hildale City customers for October 2023.

Description	Quantity Billed*	Number of Customers
Water Produced	21,246,000	
Water Billed Colorado City	15,320,000	781
Water Billed Hildale City	8,700,000	383
Non-Revenue Water	2,774,000	

*Numbers are in gallons





Item 4.

Well 17 Drilling

Cluff Drilling has finished the drilling and casing on Well 17. Staff are getting quotes on the cost for a 24 hour pump test to see how much water the well will produce. Once the quantity of water the well can produce is determined, staff will order the pump and motor.

Grants and Administration:

Staff are working on permitting the Academy Well and Well 17. During a site visit and routine sampling of the community wells, 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 and the Impact Fee Study are vetted by staff and ready for discussion by the Utility Advisory Board and both City Councils.

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 goal is to have the framework for the water rates in place for City Council adoption in 2024. The rate study is being prepared for the communities at no cost. 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 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.



Item 4.

Work on the Mohave County American Recovery Plan Act (ARPA) Water Project is substantially designed and will include two (2) wells and a new raw water line from the new wells and eight (8) existing wells to the water treatment plant. The permits are ready for signature to begin the permitting process.

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.

HILDALE - COLORADO CITY FIRE DEPARTMENT

FIRE CHIEF'S REPORT TO THE BOARD

November 28, 2023

ADMINISTRATIVE ACTIONS: Kevin traveled to the Mohave County Fire Officer's Association meeting in Mohave Valley on October 26.

The Washington County Emergency Management Office has held a weekly noontime Coordination Zoom meeting since COVID. Chief Barlow calls in as often as possible. It is a good way to keep up on what is affecting the state, county and other local agencies and to be aware of events, weather, incidents and available resources.

Kevin attended the Western Arizona Council of EMS meeting in Yuma on November 9. It is usually the meeting where the Provider Grants are allocated, but due to a delay in receiving state funding, the grants are not available until January or February.

On November 14 Hildale City signed the lease purchase documents for the new Horton ambulance. The lease is at 5.65% interest and will require \$17,950.88 quarterly payments for five years. The manufacturer has again put off the vehicle delivery date—maybe sometime in January 2024.

Kevin and Dan were at a meeting of the Southwest Regional Response Team All-Hazards Committee in Bryce Canyon City on November 15 and 16. The committee updated their Strategic Plan by outlining region short, intermediate, and long terms needs. The SWRRT allocates FEMA funds within the five-county region for hazmat and technical rescue training and response. The Hildale Fire Dept. has been an active member of the team since its inception in 2004 and has been the recipient of many thousands of dollars of equipment and supplies that would not have been possible otherwise.

The Utah CISM Team Executive Committee met in Salt Lake City on November 17. Kevin currently serves as the Chairman.

TRAINING REPORT: The November ALS Inservice included a safety message, communications message, 12 Lead ECG and medication review. The Trauma Coordinator from SGRH gave an update on the trauma services and did a refresher on trauma criteria and using the MIST mnemonic for giving radio call-ins and hand-off reports. Porter, D.R., Louisa, Monica and Evelyn each gave a 10 minute review of courses they had attended at the Provo EMS Summit in early November.

Fire training included the annual SCBA timing and crawl-through evaluation. Several participated in an emergency vehicle driver refresher. Teams rotated through several stations, including driving policies, backing, and vehicle dynamics.

Special Operations training was a confined space rescue drill. Crews set up a full entry station for entry into a manhole at a new section of street.

Both the MCC Paramedic and EMT classes will be finishing soon.

Two members, Jesse and Dominick, attended a one-day training with the Police Department on victim removal from violent incidents (active shooter).

Interviews were held for 12 potential candidates for the planned

MAINTENANCE REPORT: The mechanic truck is still in the shop.

Routine annual services for large apparatus continues. A large intake valve was replaced on E1011. Work continues on the aerial ladder trucks to prepare for the annual certification inspections.

Cold weather has required battery replacements in several of the units.

FIRE PREVENTION: The CPR Training Center coordinator, Donna Black, has been putting together a course curriculum and pricing sheet in response to local clinics requesting assistance with training phlebotomist techs.

Fire Prevention activity during October includes:

4 Commercial Fire Inspections & Sprinkler System Tests

1 Plan Review

Set up FD Facebook account for public education

Sent out fire safety messages on social media

Crews provided safety standby for a private fireworks show in Centennial Park.

OTHER: Responded to a structure fire mutual aid and two move-ups in Hurricane Valley.

RESPECTFULLY SUBMITTED:



Kevin J. Barlow

Kevin J. Barlow, Chief

11-22/23 – Chimney fire in
Centennial Park.





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

Robbins A. Radley
Chief Marshal

Police Department Report

November 2023

Patrol: In Colorado City officers took 267 cases and in Hildale City 112 cases. Traffic citations in Colorado City 61 with 57 warnings, and Hildale City had 17 citations and 39 warnings. Driving under the influence (DUI) arrests are up including five in the last two weeks. Here are some pictures depicting the gravity of one offense:



Note; these pictures are from a driver who does not live in the community.

Dispatch:

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 we are also looking at dispatch services for the Town of Fredonia. A similar IGA will be presented.

Administration: At this time the police department has begun training a staff member to be certified as a victim's advocate. There are several differences between system advocates that work within the police department and community partner advocates. There is a large advantage to having in house community neutral services. It will still take some time to have our staff member completely up and running, but we are on our way.

We are also picking up the pace on our accreditation work and look to accomplish that in the coming year.

Thank you, *Robbins A. Radley*

2024 Calendar

Item 4.

January		February		March		April		May		June		July		August		September		October		November		December	
1 M		1 T		1 F		1 M		1 W		1 S		1 M		1 T		1 S		1 T	SU	1 F		1 S	
2 T		2 F		2 S		2 T		2 T	SU	2 S		2 T		2 F		2 M		2 W		2 S		2 M	
3 W	SU	3 S		3 S		3 W		3 F		3 M		3 W		3 S		3 T		3 T		3 S		3 T	
4 T		4 S		4 M		4 T		4 S		4 T		4 T		4 S		4 W		4 F		4 M		4 W	
5 F		5 M		5 T	RW	5 F		5 S		5 W		5 F		5 M		5 T		5 S		5 T		5 T	
6 S		6 T	MCC	6 W		6 S		6 M		6 T		6 S		6 T	MS	6 S		6 W		6 F		6 F	
7 S		7 W		7 T		7 S		7 T	MS	7 F		7 S		7 W		7 S		7 M		7 T		7 S	
8 M		8 T	MCC	8 F		8 M		8 W		8 S		8 M		8 T		8 S		8 T	SU	8 F		8 S	
9 T	MCC	9 F		9 S		9 T		9 T	SU	9 S		9 T		9 F	MS	9 M		9 W		9 S		9 M	
10 W	SU	10 S	MCC	10 S		10 W		10 F		10 M		10 W		10 S		10 T	CD	10 T		10 S		10 T	
11 T	MCC	11 S		11 M		11 T		11 S		11 T	MS	11 T		11 S		11 W		11 F	MS	11 M		11 W	
12 F		12 M		12 T	MCC	12 F		12 S		12 W		12 F		12 M		12 T		12 S		12 T		12 T	MS
13 S	MCC	13 T	MCC	13 W		13 S		13 M		13 T		13 S		13 T		13 F		13 S		13 W		13 F	
14 S		14 W		14 T	MCC	14 S		14 T		14 F		14 S		14 W		14 S		14 M		14 T		14 S	
15 M		15 T		15 F	OH	15 M		15 W		15 S		15 M		15 T		15 S		15 T	SU	15 F		15 S	
16 T		16 F		16 S		16 T		16 T	SU	16 S		16 T		16 F		16 M		16 W		16 S		16 M	
17 W	SU	17 S	WBC	17 S		17 W		17 F		17 M		17 W		17 S		17 T	MS	17 T		17 S		17 T	
18 T		18 S		18 M		18 T	MS	18 S		18 T		18 T	MS	18 S		18 W		18 F		18 M		18 W	
19 F		19 M		19 T		19 F		19 S		19 W		19 F		19 M		19 T		19 S		19 T	MS	19 T	
20 S		20 T		20 W		20 S		20 M		20 T		20 S		20 T	MS	20 F		20 S		20 W		20 F	
21 S		21 W		21 T		21 S		21 T		21 F		21 S		21 W		21 S		21 M		21 T		21 S	
22 M		22 T	MCC	22 F	MS	22 M		22 W		22 S		22 M		22 T		22 S		22 T	SU	22 F		22 S	
23 T	MCC	23 F		23 S		23 T		23 T	SU	23 S		23 T		23 F		23 M		23 W		23 S		23 M	
24 W	SU	24 S		24 S		24 W		24 F		24 M		24 W		24 S		24 T		24 T		24 S		24 T	
25 T	MCC	25 S		25 M		25 T		25 S		25 T		25 T		25 S		25 W		25 F		25 M		25 W	
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27 S		27 T	MCC	27 W		27 S		27 M		27 T	MKT	27 S		27 T		27 F		27 S		27 W		27 F	
28 S		28 W		28 T	MCC	28 S		28 T		28 F		28 S		28 W		28 S		28 M		28 T	MKT	28 S	
29 M		29 T	MKT	29 F	MKT	29 M		29 W		29 S		29 M		29 T	MKT	29 S		29 T		29 F		29 S	
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31 W	MKT			31 S				31 F				31 W		31 S				31 T	MKT			31 T	

Startup Classes SU - Facilitated by Bryan with a handoff to Wyatt at Utech Business Resource Center

Marketing webinars (MKT) conducted by Bryan Bair with guest speakers - Monthly (virtual)

Women's Business Conference (WBC) organized by a committee chaired by Carol Holm - (in person)

Makerspace Launch / Open House (OH)

Resume Workshop (RW) put on by Oscar Alba of Workforce Development of Utah (in person)

Makerspace Lab Day (MS) - Training in using the 3dprinters and helping with projects with the help of Americorp STEM St. George and Steven Keate

Career Development and Negotiating Pay (CD) - Jerry Ross SUU Career Center (in person)

Mohave Community College (MCC) Corporate Training Event (MCC) - Evening classes facilitated by Bryan (contingent on the class filling)



Public Works Report

December 5, 2023

We did cleanup back of curb on Jonson Ave. project. We are ready to see how it will work in the next rainstorm.

We were able to get enough base for the Hildale St. project.

Excavated the tie ins for the side streets off Hildale St. for the paving. The paving was finished, and they are working on the finish concrete work and manhole collars.

Removed the flood leftover on Carling St. and cleaned the creek crossing and the intersections that still had dirt on them throughout the town. Filled and compacted the washouts along the side of Garden Ave.

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 have been filling the large crack with mastic tar on the taxiways on the airport.

Spent a couple days doing pothole repair. We are working on making our streets better.

Thanks for the opportunity to help improve our community.

Public Works Director



JNJ Engineering invoice

Eric Duthie <EricD@hildalecity.com>

Tue 11/21/2023 9:41 AM

Item 5.

To:Sirrene Barlow <sirreneb@hildalecity.com>;Cristina Cartin <Cristina@hildalecity.com>;Maxene Jessop <maxenej@hildalecity.com>

Cc:Mayor <mayor@hildalecity.com>;Shawn Guzman <ShawnG@hildalecity.com>;Shawn Guzman <shawnguzman00@gmail.com>

All:

After a great deal of effort and investigation of the SRTS funds and projects, the following conclusions have been reached:

1. The Utah Department of Transportation approved a second Safe Routes to School project in late 2022.
2. This project was not identified through the normal course of business and did not go to Council for approval, but was none the less approved by UDOT.
3. The files were not located until UDOT provided the copies upon my request.
4. The project was signed by Harrison Johnson and the Mayor.
5. The invoice from JNJ Engineering for \$114,325.50 was held during the October City Council meeting for inquiry.
6. The invoice has proven to be correct and the scope of the project has been completed.
7. I will submit all the required SRTS/UDOT grant follow-up for reimbursement.
8. Please issue the check to JNJ Engineering for \$114, 325.50 **immediately**.
9. I have signed change order #3 and will be copying it to you.

eric

Eric Duthie

City Manager

ericd@hildalecity.com

Mobile: 435.592.5346 Office: 435.874.2323 Fax: 435.874.2603

320 E Newel Ave. PO Box 840490, Hildale, UT 84784





RESOLUTION NO. 2023-12-001

A RESOLUTION OF THE MAYOR AND CITY COUNCIL OF HILDALE, UTAH ANNOUNCING THE OFFICIAL CANVASS OF THE 2023 HILDALE CITY MUNICIPAL ELECTION

WHEREAS, The City of Hildale, Utah in conjunction with the Washington County Clerk's office conducted the 2023 Municipal Elections; and

WHEREAS, Utah Code Section §20A-301(2)(a) states that the Mayor and the municipal legislative body are the board of municipal canvassers for the municipality; and

WHEREAS, The Mayor and City Council have met to canvass the returns at the regular place of meeting (Hildale City Hall, 320 East Newel Avenue, Hildale, Utah); and

WHEREAS, The Hildale City Council has scheduled a meeting 15 days after the general election; and

WHEREAS, An attendance of a simple majority of the municipal legislative body shall constitute a quorum for the conducting of the canvass;

NOW, THEREFORE, BE IT RESOLVED BY THE MAYOR AND CITY COUNCIL OF HILDALE CITY, STATE OF UTAH that the Certified Canvass of the 2023 Hildale Municipal Elections are as follows:

CITY COUNCIL 4 Year Term

Jared Nicol	44
Luke Merideth	91
Jvar Dutson	88
Derick Holm	27
Lawrence Barlow	82
Darlene Stubbs	89

PASSED AND ADOPTED by the Mayor and Council of Hildale City, Utah, this 6th day of December 2023.

Donia Jessop, Hildale City Mayor

Sirrene Barlow, Hildale City Recorder



Mayor: Donia Jessop
Councilmembers: Lawrence Barlow, JVar Dutson, Brigham Holm, Terrill Musser, Stacy Seay
City Manager: Eric Duthie



RESOLUTION NO. 2023-12-002

A RESOLUTION OF THE MAYOR AND COUNCIL OF HILDALE CITY, UTAH REQUESTING THE RECERTIFICATION OF THE HILDALE CITY JUSTICE COURT.

WHEREAS, the provisions of U.C.A. 78A-7-103 require that Justice Courts be recertified at the end of each four-year term; and

WHEREAS, the term of the present Court shall expire on the 31st day of January 2024; and

WHEREAS, the members of the Hildale City Council have received an opinion letter from Shawn Guzman, City Attorney, which sets forth the requirements for the operation of a Justice Court and feasibility of continuing to maintain the same; and

WHEREAS, the members of the Hildale City Council have determined that it is to the best interests of Hildale City to continue to provide for a Justice Court.

WHEREAS, Hildale City Council must affirm the willingness to meet all requirements for, and operation of, the court during the period of certification; and

NOW THEREFORE, BE IT RESOLVED BY THE MAYOR AND COUNCIL OF HILDALE CITY, STATE OF UTAH, hereby requests recertification of the Hildale City Justice Court by the Board of Justice Court Judges and the Utah Judicial Council.

BE IT FURTHER RESOLVED, the Hildale City Council hereby affirm their willingness to continue to meet all requirements set forth by the Judicial Council for continued operation of the Hildale City Justice Court for the next four-year term of court, except as to any requirements waived by the Utah Judicial Council.

PASSED AND ADOPTED by the Mayor and Council of Hildale City, Utah, this 6th day of December 2023.

Donia Jessop, Hildale City Mayor

Sirrene Barlow, Hildale City Recorder





RESOLUTION NO. 2023-12-003

**A RESOLUTION OF THE MAYOR AND COUNCIL OF HILDALE CITY, UTAH
AUTHORIZING SUBMISSION OF A UTAH DEPARTMENT OF TRANSPORTATION FY26 SAFE
ROUTES TO SCHOOL (SRTS) GRANT APPLICATION.**

WHEREAS, Hildale City desires to promote and support increased safety and convenience for school children; and

WHEREAS, Any public elementary, middle, junior high, or public charter, or school district serving children in grades kindergarten through eighth grade, recognized by the Department of Education, may participate in a SRTS project; and

WHEREAS, Hildale City is willing to act on behalf of the participating school(s); and

WHEREAS, Infrastructure projects should directly bicycle and/or walk to and from school; and

WHEREAS, All projects utilize federal funds and **MUST** follow the federal project delivery guidelines; and

WHEREAS, There is a 6.77% local match for all projects; and

WHEREAS, Work must be performed in the fiscal year the funding is available.

NOW THEREFORE, BE IT RESOLVED BY THE MAYOR AND COUNCIL OF HILDALE CITY, STATE OF UTAH, authorizes submission of a Utah Department of Transportation Safe Routes to School grant application for FY26.

PASSED AND ADOPTED by the Mayor and Council of Hildale City, Utah, this 6th day of December 2023.

Donia Jessop, Hildale City Mayor

Sirrene Barlow, Hildale City Recorder



travispevans@utah.gov <travispevans@utah.gov>

on behalf of

SRTS Grant <srtsgrant@utah.gov>

Mon 11/6/2023 4:04 PM

0 5 attachments (2 MB)

AT Tally Sheet - Fillable Form.pdf; Flexible Match UDOT Guidelines.pdf; Funding Application Guidance.pdf; UDOT SRTS Application FY26 - Fillable Form.pdf; UDOT SRTS Engineers Estimate Form FY26.xlsx;

To whom it may concern:

The Utah Department of Transportation (UDOT) is soliciting applications for the next funding cycle, (fiscal year 2026) for both SRTS infrastructure and non-infrastructure projects.

All projects utilize federal funds and MUST follow the federal project delivery guidelines. There is a 6.77% local match for all projects. Work must be performed in the fiscal year the funding is available. If you have any questions please let me know.

The application and workshop schedule is as follows:

- November 6, 2023 - Call for applications
- Local UDOT Region Workshops (**Note: You do not need to wait until workshops to ask questions. You can attend any workshop. Virtual option available upon request.**
- Region 1 – 10:00 AM – November 29, 2023 - 166 W Southwell St., Ogden, UT 84404-4194 – Large Conference Room
- Region 2 – 2:00 PM – November 30, 2023 - 2010 South 2760 West, Salt Lake City, UT 84104 – Hurley Conference Room
- Region 3 – 10:30 AM - October 6, 2023 - 658 N 1500 W, Orem, Utah 84057 – Conference Room A
- Region 4 – 10:00 AM - October 11, 2023 - 210 West 800 South, Richfield, UT 84701 – Pahvant Conference Room
- December 15, 2023 - Applications due to UDOT by 5:00 PM (See the last page of this application or review guide for submittal process)
- December 29, 2023 - Applications distributed to Advisory Committee for review and scoring
- January 18, 2024 - Advisory Committee meets to select projects
- February 2, 2024 - Applicants notified of grant award

Any public elementary, middle, junior high, or public charter, or school district serving children in grades kindergarten through eighth grade, recognized by the Department of Education, may participate in a SRTS project. In addition, organizations, such as state, regional, or local agencies, may act on behalf of the participating school(s). *The applicant must be the Primary Sponsor and owner of the property on which the proposed project is located, and have applicable right-of-way and utility information available. Funding will not be awarded to an agency that does not own the right-of-way within which the project will be constructed.*

and, applications must provide a current Safe Routes Utah Plan of the school's walking boundaries, clearly identifying the safest walking routes. However, the committee recognizes that the proposed project route may not be the current identified safe route for students to travel which is why you Item 8. applying for funding. But the committee would like to see how the proposed project would improve the existing plan. For more information about the Safe Routes Utah Plans, see <https://saferoutes.utah.gov/>.

As a general recommendation, the Safe Routes to School Grant is competitive. The Advisory Committee scores projects higher based on, but not limited to, some of the following criteria and should be considered but are not requirements:

- Comes from community grass roots efforts that demonstrate a clear connection to the school which supports students walking or biking to and from school.
- New sidewalk as opposed to maintenance/repair projects.
- Has a good project cost to students served ratio (Although there is consideration for small communities with small populations).
- Lower income communities.
- Has a higher community match contribution to the project.
- Is not the future site of new and known upcoming development.
- Clearly identifies an existing safety concern (Collision history, auto volume/speed studies, pedestrian counts, parent testimonials, etc.) and shows that this project is the best method of improving conditions.
- Provides clear pictures of the proposed project site.
- etc.

To apply, see the attached documents or go to <https://www.udot.utah.gov/connect/business/public-entities/safe-routes-to-school-srts-program/>.

For more information or assistance, please contact Travis Evans at srtsgrant@utah.gov or 916-215-8722.

Thank you!



RESOLUTION NO. 2023-12-004

A RESOLUTION OF THE MAYOR AND COUNCIL OF HILDALE CITY, UTAH AUTHORIZING HILDALE CITY RATES AND FEES ADJUSTMENTS

WHEREAS, The Hildale City desires to amend certain and specific rates and fees as identified within this Resolution.

Page | 1

NOW THEREFORE, BE IT RESOLVED BY THE MAYOR AND COUNCIL OF HILDALE CITY, STATE OF UTAH, amends the following adjustment in certain rates and fees, effective immediately:

GRAMA Fees

Per viewing record, no print copies \$5 p/15 minutes. Minimum 1 hour

- Document copies
 - Black and white up to 10 pages \$.20 per page
 - More than 10 pages \$.25 per page
 - Color up to 10 pages \$.50 per page
 - More than 10 pages \$.75 per page
 - Electric copies/transmission \$2 per file
 - Portable drive (thumb, CD, etc) \$15

Public Meeting Video Recordings available at www.facebook.com/hildalecity

Office Services

Copies

- Black and white up to 10 pages \$.20 per page
- More than 10 pages \$.25 per page
- Color up to 10 pages \$.50 per page
- More than 10 pages \$.75 per page

Fax transmission/reception

- Black and white up to 10 pages \$.20 per page
- More than 10 pages \$.25 per page
- Color up to 10 pages \$.50 per page
- More than 10 pages \$.75 per page

Folding machine use

- Black and white up to 10-page envelope \$.20 per page
- More than 10-page envelope \$.25 per page
- Color up to 10-page envelope \$.50 per page
- up to 10-page envelope \$.75 per page

Returned Check Fee

Notary Fee \$10



Mayor: Donia Jessop

Councilmembers: Lawrence Barlow, JVar Dutson, Brigham Holm, Terrill Musser, Stacy Seay

City Manager: Eric Duthie



RESOLUTION NO. 2023-12-004

Special Events Fees Additional regulations apply.

- Application fee: \$30
- Expedited applications (nonrefundable rush fee): \$50
- Clean-up Deposit: Half the park/facility or less: \$100
Whole park/facility: \$200

Page | 2

- *Park facility usage (Reserved and Guaranteed)*
 - Ball Field \$125 per time block
 - 7a-Noon; Noon-5p; 5-10p
 - Before/afterhours \$125
 - Leaving items overnight \$150 per night
 - *Picnic Area per time block (Reserved and Guaranteed)*
 - 7a-9a; 9a-11a; 11a-1p; 1p-3p; 5p-7p; 7p-9p
 - Picnic area \$30 refundable deposit
 - *Amphitheatre (Reserved and Guaranteed)* \$50 per time block.
 - Additional fees required for city services deposit: \$1,000
 - Health & Sanitation, Emergency Services, Traffic/Parking, etc. will be estimated and are required for any full day closures and/or more than 150 attendees.
 - Additional fees including, but not limited to the following:
 - Deposit for each of the following: \$150 each
 - Bounce houses and similar: \$250 + Deposit
 - Mechanical rides and similar: \$250 + Deposit
 - Large animal rides (Horse, etc.) \$250 + Deposit
 - Aircraft landing, hovering, or other) \$500 + Deposit
 - Fireworks \$1,000 + Deposit
 - *Whole Day Event (7:00a-9:00p Reserved and Guaranteed.)*
 - Upper Half of Park \$675
 - Ball Park \$350
 - Whole Park \$1000

Travel and Per Diem fees Minimum depending on location.

- Daily lodging (excluding tax) \$139.00
- Meals & Incidentals (M&IE) \$ 59.00



Mayor: Donia Jessop

Councilmembers: Lawrence Barlow, JVar Dutson, Brigham Holm, Terrill Musser, Stacy Seay

City Manager: Eric Duthie



RESOLUTION NO. 2023-12-004

Land Use Fees Nonrefundable

Same as current except the following:

• Lot Split	\$650 + \$2 p/mailing notice
• Lot Line Adjustment	\$750 + \$2 p/mailing notice
• Public property vacation	\$750 + \$2 p/mailing notice
• Roadway Encroachment	\$250 + \$2 p/mailing notice
• Zone Change	\$500 + \$2 p/mailing notice
• Annexation	
○ Up to 200 acres (base fee)	\$1,000 + \$2 p/mailing notice
○ More than 200 acres (added to base fee)	\$150 acre + \$2 p/mailing notice
• Conditional Use Permit	\$500 + \$2 p/mailing notice
• Variance fee	\$500 + \$2 p/mailing notice
• Sign permit	\$250 + \$2 p/mailing notice
• General Plan amendment	\$2,000 + \$2 p/mailing notice
• Site Plan	\$500 + \$2 p/mailing notice
• Subdivision Preliminary Plat	\$500 + \$2 p/mailing notice
• Subdivision Final Plat	\$500 + \$2 p/mailing notice
• Subdivision Plat (revised after Final)	\$500 + \$2 p/mailing notice

Page | 3

PASSED AND ADOPTED by the Mayor and Council of Hildale City, Utah, this 6th day of December 2023.

Donia Jessop, Hildale City Mayor

Sirrene Barlow, Hildale City Recorder



Item 10.

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RESOLUTION NO. 2023-12-005

A RESOLUTION OF THE MAYOR AND COUNCIL OF HILDALE CITY, UTAH AUTHORIZING SUBMISSION OF A CAPITAL ASSET SELF INVENTORY AND COMMUNITY DEVELOPMENT BLOCK GRANT APPLICATION.

WHEREAS, Hildale City desires to promote the well-being, enjoyment, good order, peace, safety, and happiness of all residents; and

WHEREAS, The Community Development Block Grant (CDBG) Program supports community development activities to build stronger and more resilient communities; and

WHEREAS, CDBG supports community development, activities are identified through an ongoing process; and

WHEREAS, Hildale City completed a Capital Asset Improvement Plan (CASI) which helps the community create a plan to improve assets going into the future.; and

WHEREAS, The Capital Asset Self Inventory (CASI) is a tool to help a community, special service district, or county create its capital asset inventory; and

WHEREAS, the CASI is meant to be utilized by an entity without the need for outside assistance to take what's already known within their jurisdiction and document it; and

WHEREAS, Hildale City is submitting a CDBG application, of which the CASI is a component.

NOW THEREFORE, BE IT RESOLVED BY THE MAYOR AND COUNCIL OF HILDALE CITY, STATE OF UTAH, authorizes submission of a Capital Asset Self Inventory and Community Development Block Grant application.

PASSED AND ADOPTED by the Mayor and Council of Hildale City, Utah, this 6th day of December 2023.

Donia Jessop, Hildale City Mayor

Sirrene Barlow, Hildale City Recorder



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🌐 www.hildalecity.com

**Mayor: Donia Jessop
Councilmembers: Lawrence Barlow, JVar Dutson, Brigham Holm, Terrill Musser, Stacy Seay
City Manager: Eric Duthie**

2024 Community Development Block Grant Application Checklist

Item 10.

Check each step as it is completed

#	✓	
1		Attend CDBG "How to Apply Workshop" in your AOG region - Oct/Nov 2023.
2		Non-profits must be <u>sponsored</u> by a City or County for which the project will serve. The City or County will sub-contract with the Non-Profit (Appendix F).
3		Work with AOG Rep. to determine project type (construction, acquisition, etc.) and if the project is eligible and 'shovel ready'. Review Ch. 2 and 3 for eligible project types.
4		Register as a user in the WebGrants 3 system if not already assigned a login. https://webgrants.utah.gov/register.jsp
5		Evaluate procurement needs to facilitate obtaining an estimate (chapter 7).
6		CDBG applicants AND other recipients of CDBG funds such as Contractors and Engineers must register in SAM.GOV to receive CDBG funds (Appendix A).
7		Review Civil Rights / Equal Opportunity and address any gaps (chapter 5).
8		Contact AOG representative for guidance regarding income survey requirements. The state CDBG staff <u>must</u> approve survey forms and methodology (Appendix D).
9		If required, conduct income survey of residents in project area. Submit original surveys to AOG rep to determine project eligibility. Retain copies. <u>Deadline for AOGs</u> to submit completed surveys to the state CDBG staff is <u>January 15, 2024</u> .
10		Prepare scope of work, budget & service map of project activities.
11		Review AOG Rating & Ranking Policies for your region, provided in Appendix H.
12		Based on the entire project scope of work, determine environmental review needs. Call State Environmental Review Specialist for guidance.
13		AOG specific due date for pre application submission ____/____/____
14		Hold 1 st Public Hearing prior to January 31, 2024 . USE templates in Appendix B.
15		Current CDBG grants must spend down <u>50%</u> of any contracts by February 2024 .
16		Complete CDBG Application online in WebGrants. SUBMIT by January 31, 2024.
17		State staff review applications for completeness and eligibility - February 2024.
18		Do not hold 2nd public hearing until award notification from AOG is received in March/April 2024.
19		<u>If</u> an Award Notification is received from the AOG, Hold 2 nd public hearing. See Appendix B for templates.
20		Update application with 2 nd public hearing info. Make any other edits if necessary.
21		Re-submit Application prior to May 31, 2024. WebGrants locks submission at 5:00 PM

CAPITAL ASSET SELF-VENTORY

INTRODUCTION

The Capital Asset Self Inventory (CASI) is a tool to help a community, special service district, or county create its capital asset inventory. It is meant to be utilized by an entity without the need for outside assistance to take what's already known within their jurisdiction and document it. This tool will also meet the requirements laid out by the Community Impact Board (CIB) to have a Capital Asset Self Inventory. This document is started by identifying what asset categories you have and their corresponding tab within this worth document. Should a tab cover information that is not relevant to your entity, you may skip over that tab and not fill it out. Click on the tab that works with your identified asset area and enter in relevant information. Once finished with filling out the relevant parts of this document, an optional tab at the end creates the beginning of a Capital Asset Improvement Plan. While the Capital Asset Improvement Plan is not required to meet the requirements of CIB, the Capital Asset Improvement Plan can help your community begin to create a plan to improve its assets going into the future.

DISCLAIMER

All information on the Capital Asset Self-Inventory is intended to be completed by city/town/special service district/county staff and elected officials, and should not require engineering assistance. This community completed inventory is not intended to replace a professionally completed capital asset inventory. No exact information is required on this self-inventory, but information should be estimated to the closest correct value or location. If your community has questions or requires assistance please contact your [local AOG planner](#).

COMMUNITY INF(Enter information into the shaded areas)		Date of last update M/D/Y	
Community Name:		Community Office Address:	
Phone Number:	Email Address:	City/Town:	Zip Code:
Community Website Address:		Mayor Contact:	
		Name:	
		Phone:	
		Email:	
1st Community Contact for Capital Asset Knowledge:		2nd Community Contact for Capital Asset Knowledge::	
Name:		Name:	
Phone:		Phone:	
Email:		Email:	



Item 11.

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RESOLUTION NO. 2023-12-006

A RESOLUTION OF THE MAYOR AND COUNCIL OF HILDALE CITY, UTAH AUTHORIZING SUBMISSION OF A BUILDING RESILIENT INFRASTRUCTURE AND COMMUNITIES (BRIC) GRANT APPLICATION TO THE FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA) FOR COMMUNITY DISASTER RESILIENCE ZONES (CDRZ) MITIGATION.

WHEREAS, Community Disaster Resilience Zones Act became law on December 20, 2022; and

WHEREAS, FEMA utilizes a natural hazard risk assessment index to identify areas most at risk from natural hazards and climate change; and

WHEREAS, BRIC is a mitigation grant program that helps communities fund mitigation scoping or physical projects against natural hazards; and

WHEREAS, FEMA allocated Utah around \$400,000 under the BRIC program of which Hildale City is eligible to apply; and

WHEREAS, The goal is to gather information for a physical mitigation project, including such things as culvert upgrades, seismic retrofits, wildfire fuels reduction, new debris basins, stream bank stabilization, etc.; and

WHEREAS, The cost share for grants in a CDRZ is 90% federal and 10% local share.

NOW THEREFORE, BE IT RESOLVED BY THE MAYOR AND COUNCIL OF HILDALE CITY, STATE OF UTAH, authorizes submission of a Building Resilient Infrastructure and Communities grant application to FEMA for Community Disaster Resilience Zones mitigation.

PASSED AND ADOPTED by the Mayor and Council of Hildale City, Utah, this 6th day of December 2023.

Donia Jessop, Hildale City Mayor

Sirrene Barlow, Hildale City Recorder



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

**Mayor: Donia Jessop
Councilmembers: Lawrence Barlow, JVar Dutson, Brigham Holm, Terrill Musser, Stacy Seay
City Manager: Eric Duthie**

Notice of Interest for Mitigation Direct Technical Assistance 2nd Run

Google Forms <forms-receipts-noreply@google.com>

Wed 11/29/2023 4:11 PM

To:Eric Duthie <EricD@hildalecity.com>

Item 11.

Thanks for filling out [Notice of Interest for Mitigation Direct Technical Assistance 2nd Run](#)

Here's what was received.

[Edit response](#)

Notice of Interest for Mitigation Direct Technical Assistance 2nd Run

Eligible communities are cities, townships, counties, special district governments, and tribal governments. A hazard mitigation plan is not a pre-requisite for application.

Email *

ericd@hildalecity.com

Community (Name) *

Hildale City

Point of Contact (Name) *

Eric Duthie, City Manager

Address *

320 E. Newel Ave. Hildale, Utah 84784

phone number *

435-874-2323

Description of the community's need for Direct Technical Assistance. *

Seismic retrofits New debris basin

Item 11.

Description of the community's capacity to assist in the DTA activity, including committed staff. *

In-Kind value of more than 33%

What are your objectives for Direct Technical Assistance? *

Flooding debris removal Seismic retrofit of Hildale City Hall

What are you trying to mitigate? *

Debris removal is a challenge for staff. Creating a debris basin will assist in flood mitigation and debris removal. Hildale City Hall is an old building which has been remodeled extensively and is not seismic resistant.

What is your timelines, including the duration of technical assistance? *

Debris basin development 12+ months Seismic retrofit 6-8 months

How Assistance is Prioritized

Equity Requirement

Utah Division of Emergency Management will review each request and will prioritize assistance for communities that meet one or more of the definitions below: (look at DTA factsheet for more information)

Please check all that apply.

*

- Meet Executive Order (EO) 14008, Tackling the Climate Crisis
- (CDC)/ATSDR Social Vulnerability Index (SVI) score greater than or equal to 0.6
- Qualify as an economically disadvantaged rural community. Title 42 USC § 5133(a)
- Disadvantaged populations as referenced in EO 14008; multiple major disaster declarations
- No FEMA HMA grant in the last 5 years
- Rural Utah Communities that have capacity and capability concerns.



A community with capability and capacity concerns (Must describe in application)

Item 11.

What potential barriers does your community face in taking advantage of hazard mitigation grant applications? *

Funding. Hildale is one of the most economically disadvantaged cities in Utah; Technical expertise; Grant writing staff; Many roads are still dirt (mud) which hampers flood control efforts; Trauma hospital is 48 miles away, accessible only by a two lane highway which frequently closes for traffic and or weather incidents.

What are your capacity and capability issues that keep you from doing these actions on your own? *

Funding; Technical expertise; Staffing;

Are you a disadvantaged community? Explain why? *

Yes. We believe Hildale was significantly undercounted during the 2020 U.S. Census. The population reportedly decreased by 38.7% yet the local schools enrollment has more than tripled in the same period. Residential and Commercial construction has continued to increase. But the allocation of funding based on population formulas have been reduced by more than 38% since 2021.

[Create your own Google Form](#)

[Report Abuse](#)



Item 12.

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RESOLUTION NO. 2023-12-007

A RESOLUTION OF THE MAYOR AND COUNCIL OF HILDALE CITY, UTAH, AUTHORIZING SUBMISSION, THROUGH SUNRISE ENGINEERING, OF A UTAH DEPARTMENT OF TRANSPORTATION (UDOT) TECHNICAL PLANNING ASSISTANCE GRANT FOR HILDALE CITY INNOVATION CENTER TRAFFIC STUDY AND PRELIMINARY DESIGN.

WHEREAS, Hildale City desires to promote the well-being, enjoyment, good order, peace, safety, and happiness of all residents; and

WHEREAS, UDOT's Technical Planning Assistance (TPA) program provides funding to local governments in Utah to carry out planning projects in their communities and regions; and

WHEREAS, These funds can be used for a variety of plans and studies related to land use and transportation; and

WHEREAS, Hildale City desires to authorize Sunrise Engineering to submit a UDOT TPA grant for a Hildale City Innovations Center Traffic Study and Preliminary Design; and

WHEREAS, The Hildale City Innovations Center Traffic Study and Preliminary Design grant application is for \$32,300.

NOW THEREFORE, BE IT RESOLVED BY THE MAYOR AND COUNCIL OF HILDALE CITY, STATE OF UTAH, authorizes Sunrise Engineering to submit a Utah Department of Transportation Technical Planning Assistance Grant for a Hildale City Innovations Center Traffic Study and Preliminary Design in the amount of \$32,300.

PASSED AND ADOPTED by the Mayor and Council of Hildale City, Utah, this 6th day of December 2023.

Donia Jessop, Hildale City Mayor

Sirrene Barlow, Hildale City Recorder



📞 435-874-2323
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Mayor: Donia Jessop
Councilmembers: Lawrence Barlow, JVar Dutson, Brigham Holm, Terrill Musser, Stacy Seay
City Manager: Eric Duthie



Salt Lake City Office
6875 South 900 East, Midvale, Utah 84047 | **TEL** 801.523.0100 | **FAX** 801.523.0990

29 November 2023

Eric Duthie

EricD@hildalecity.com

435-592-5346

Subject: Hildale City Innovations Center – Traffic Study /Preliminary Design

Mr. Duthie,

Sunrise Engineering is pleased to offer up our services in preparing a traffic impact study and preliminary site design for the Hildale City Innovations Center.

Please see the attached proposal and details of items to be performed. Contract is subject to being awarded funding through the Technical Planning Assistance (TPA) program. Please let me know any questions, concerns, or additional work that should be included.

Thank you,

A handwritten signature in blue ink that reads "Randy Smith".

Randy D. Smith, PLS
Transportation Project Manager
rsmith@sunrise-eng.com
Cell: 385-222-5446
Office: 801-523-0100

Enclosure:

Cc:



Salt Lake City Office
6875 South 900 East, Midvale, Utah 84047 | **TEL** 801.523.0100 | **FAX** 801.523.0990

Sunrise Engineering, Inc. (SEI) is pleased to provide the following proposal to provide Civil Engineering Services for the above referenced project. Hereafter, "Client" refers to Hildale City. SEI agrees, upon receipt of your acceptance to this agreement, to perform the following identified services in accordance with the terms and conditions contained herein.

Scope of Services

The proposed scope of services for the Hildale City Innovations Center located at 985 N Box Elder St, accessing SR-59 (mile marker 0.65), Hildale, UT is broken down into two phases. The first phase is to perform a traffic impact study following UDOT standards for access onto SR-59. The second phase includes preliminary design of the site and offsite improvements leading to the 4.76-acre site. The proposed Innovations Center is located off Mulberry Street which is currently un-paved. The Client wishes to pave adjacent streets and improve accessibility to the proposed site.

Phase and Task Descriptions

Phase 0001 –Traffic Impact Study:

Task 001 Data Collection – SEI will collect AM and PM peak hour traffic data on SR-59 for up to two locations. Traffic data will also be collected and observed at the existing Vernal Innovation Center for a total of 24 hours to provide specific trip generation.

Task 002 Traffic Analysis – SEI will complete a traffic analysis including trip generation and trip distribution for the development site as outlined in UDOT requirements for a Level II Traffic Impact Study.

Task 003 Final Report – SEI will prepare a Level II Traffic Impact Study, including any recommendations to meet state requirements for the proposed development.

Task 004 Meetings, & Coordination — This task includes preliminary meetings with the client and UDOT to confirm assumptions and final project findings and resolution meeting with Client.

Phase 0002 – Preliminary Site Design

Task 001 General Tasks — This task includes all general project management.

Task 002 Preliminary Site Layout – This task covers initial and recurring meetings with the Client in establishing layout of the site including all parking and drive aisles as well as the proposed highway access improvements established by the Phase 1 traffic study.

Task 003 Complete Concept – SEI will use the established site layouts from Task 2 to prepare final site layout features, highway access configurations, and site decorations & renderings. This task covers preparation of final exhibits and compilation of final deliverables.



Salt Lake City Office

6875 South 900 East, Midvale, Utah 84047 | TEL 801.523.0100 | FAX 801.523.0990

Fees

SEI agrees to perform the above listed services as summarized in the attached Cost Summary shown in Exhibit B. Any work outside the defined scope above will be performed on a time and materials (T&M) basis at the rates and fees shown in Exhibit C or through a contract amendment.

Scope of Work Conditions & Exclusions

- A. Any item not specifically included is assumed to be excluded. A reasonable effort has been made to identify the necessary tasks required to complete the project. However, additional tasks may be required and/or requested by the client or reviewing agency(s). Such items will be brought to the client's attention and a contract amendment may be required.
- B. Time and Material tasks will be performed in accordance with rates and fees shown in Exhibit C.
- C. Contract is subject to Terms and Conditions attached as Exhibit D.
- D. Traffic Impact Studies shall be prepared in accordance with UDOT Standard Specifications.
- E. Traffic signal plans are excluded.
- F. Reproduction costs for plans, exhibits, reports, etc. will be billed as a reimbursable expense or on a Time and Material basis depending on method of execution.
- G. It is assumed that it will not require more than two (2) reviews to obtain approvals from the UDOT/County/City. Any reviews beyond two (2), that are out of SEI control (i.e. changing of reviewer/staff resulting in new comments) will be done on a Time & Materials basis or contract amendment.
- H. The contractor or owner shall be responsible for obtaining all necessary permits prior to beginning construction. The contractor or owner is responsible for verification of existing permits, renewal of lapsed permits, and obtaining any new permits.
- I. It is assumed that all submissions and communication with the UDOT/County Outside of preliminary meeting with UDOT will be completed by the CLIENT. Any additional coordination or meetings with the UDOT/County/City beyond that stated in the scope of work will be completed on an hourly basis.

If you are interested in having us complete the services outlined in this proposal, please execute the agreement below and return one copy to our office. The Client will be billed monthly based on the percentage of work completed for each task. We will invoice you at the beginning of each month for services performed during the previous month. Payment is due thirty days from the date of the invoice.

If you have any questions regarding this proposal, please contact me at (801) 523-0100. We look forward to working with you on this project.

Sincerely,

SUNRISE ENGINEERING, INC.

Randy Smith, PLS

Transportation Division Manager

Accepted and Agreed:

By:

Signature

Title:

Printed Name

Date:

Print Title

EXHIBIT A



EXHIBIT B

Cost Summary

Phase	Task	Work Task Description	(\$)	*Fee Type
0001		Traffic Impact Study		Lump
	001	Data Collection	\$ 4,500.00	
	002	Traffic Analysis	\$ 4,200.00	
	003	Final Report	\$ 3,300.00	
	004	Meetings and Coordination with Client	\$ 2,300.00	
		Subtotal	\$ 14,300.00	Lump
0002		Concept Design		Lump
	001	General Tasks	\$ 1,600.00	
	002	Preliminary Site Layout	\$ 7,600.00	
	003	Complete Concept	\$ 8,800.00	
		Subtotal	\$ 18,000.00	Lump
		Lump Sum Total	\$ 32,300.00	Lump
		**Total T&M (Budgeted)	\$ -	T & M
		Total	\$ 32,300.00	

*Lump Sum = Fixed Fee; T&M = Time & Materials; NTE = Not to Exceed

**Budgeted T&M (Time and Materials) is a budgeted amount that will not be exceeded without Client approval and does not guarantee the tasks will be completed within this amount.

EXHIBIT C

SUNRISE ENGINEERING

FEE SCHEDULE

EXHIBIT A

Work Code	Work Classification	Hourly Rate	Work Code	Work Classification	Hourly Rate
101	Engineer Intern (E.I.T.) I	\$117	451	Training Specialist I	\$160
102	Engineer Intern (E.I.T.) II	\$131	456	Training Manager	\$193
103	Engineer Intern (E.I.T.) III	\$149	460	Training Director	\$219
104	Engineer III	\$167	500	Funding Specialist	\$160
105	Engineer IV	\$193	510	Plan Reviewer	\$142
106	Engineer V	\$208	511	Building Inspector I	\$83
107	Senior Engineer	\$226	512	Building Inspector II	\$110
110	Principal Engineer	\$248	513	Building Inspector III	\$132
121	Electrical Engineer Intern (E.I.T.) I	\$137	525	Building Official	\$155
122	Electrical Engineer Intern (E.I.T.) II	\$148	601	GIS Tech	\$85
123	Electrical Engineer III	\$168	602	GIS Tech II	\$99
124	Electrical Engineer IV	\$208	611	GIS Specialist I	\$125
125	Electrical Engineer V	\$225	613	GIS Analyst	\$149
126	Principal Electrical Engineer	\$253	614	GIS Programmer	\$158
301	Engineering Tech I	\$95	615	GIS Team Leader	\$165
302	Engineering Tech II	\$115	51	Administrative I	\$55
303	Engineering Tech III	\$129	52	Administrative II	\$75
304	Engineering Tech IV	\$139	53	Administrative III	\$94
311	Electrical Tech I	\$110	96	Public Information Manager	\$138
312	Electrical Tech II	\$117	701	Planner I	\$97
313	Electrical Tech III	\$138	702	Planner II	\$112
314	Electrical Tech IV	\$158	703	Planner III	\$128
315	Electrical Tech V	\$175	704	Planner IV	\$143
351	Construction Observer I	\$85	705	Planner V	\$165
352	Construction Observer II	\$105	712	Project Manager II	\$205
353	Construction Observer III	\$118	723	Water Rights Specialist III	\$155
354	Construction Observer IV	\$132	921	Survey Tech	\$99
401	CAD Drafter I	\$89	930	Survey CAD Tech	\$142
402	CAD Drafter II	\$99	935	One Man Survey Crew	\$175
403	CAD Drafter/Designer III	\$119	940	Survey Manager	\$185
404	CAD Drafter/Designer IV	\$132	945	Registered Surveyor	\$199
			950	Principal Surveyor	\$219

REIMBURSABLE EXPENSE SCHEDULE

Expense	Rate	Mark-Up
Mileage	\$0.59 per mile	N/A
Field Vehicle (on site)	\$60 per day	N/A
Per Diem Meals	\$57 per day	N/A
Troxler Nuclear Density Gauge	\$50 per day	N/A
High Density Scanner	\$175 per hour	N/A
Material Testing Lab Work	Actual Cost	15%
Outside Consultants, Aerial Photography, etc.	Actual Cost	15%
Lodging	Actual Cost	10%
Other Expenses incurred	Actual Cost	10%

Fees automatically change after the beginning of the year and are subject to change on other occasions.

Base 01-2023 Fees au

EXHIBIT D

TERMS AND CONDITIONS

1. SERVICES TO BE PROVIDED. These Terms and Conditions are enclosed with, attached to and/or incorporated by referenced into a proposal or agreement (the "Proposal/Agreement") prepared by Sunrise Engineering, Inc. ("SEI") offering/agreeing to provide the consulting services described in the Proposal/Agreement as such consulting services are changed by agreement of the Parties (hereinafter, the "Services"). SEI agrees to provide the Services for the sole and exclusive use and benefit of the person or entity described in the Proposal/Agreement to be SEI's client for the provision of the Services (the "Client"). If the Proposal/Agreement does not expressly identify the Client, the Client shall be the person or entity to whom SEI provides the Services. The Proposal/Agreement shall become binding on SEI and Client upon its written acceptance by Client, or Client's acceptance of the performance by SEI of the Services without written objection to the terms of the Proposal/Agreement, whichever first occurs. SEI may use the services of subconsultants in the performance of the Services ("SEI's Consultants") when, in SEI's sole discretion, it is appropriate to do so. For purposes of the Proposal/Agreement and these Terms and Conditions, the "Parties" are SEI and Client, and their successors and permitted assignees.

2. EFFECT OF TERMS AND CONDITIONS. If any of the Services are performed by SEI or SEI's Consultants prior to the acceptance by Client of the Proposal/Agreement, such Services shall be governed by these Terms and Conditions the same as if they had been performed after the acceptance by Client of the Proposal/Agreement. These Terms and Conditions shall be binding upon the Parties except to the extent these Terms and Conditions directly conflict with the Proposal/Agreement. In the event of direct conflict between the Proposal/Agreement and these Terms and Conditions, the Proposal/Agreement shall supersede and replace these Terms and Conditions.

3. PAYMENT TERMS. Payment on account of Services rendered, including fees and Reimbursable Expenses, shall be made monthly upon presentation of SEI's statement of services. No deductions shall be made from SEI's compensation on account of penalty, liquidated damages, or other sums withheld from payments to contractors ("Contractor") performing all or a portion of the work or services (the "Work") for the construction of improvements designed by SEI or SEI's Consultants, or on account of the cost of changes in the Work other than those for which SEI has been adjudicated to be liable. If payment is not received within thirty (30) calendar days from the invoice date (i) Client agrees to pay interest on the past due amount at the rate of 18% per annum until paid in full; (ii) Client agrees to pay reasonable attorneys' fees and collection costs incurred by SEI to collect or obtain an award or judgment to collect all or any portion of the past due amount; (iii) SEI reserves the right to suspend all Services until payment of the past due amount is received in full; and (iv) SEI may terminate the Proposal/Agreement for cause if payment of the past due amount is not received in full within forty-five (45) calendar days of the date it is due.

4. TERMINATION/SUSPENSION OF PROPOSAL/AGREEMENT Either Party may terminate the Proposal/Agreement for cause if the other Party shall fail substantially to perform in accordance with its terms through no fault of the Party initiating the termination upon ten (10) calendar days prior written notice and failure of the Party in default to cure the default within such ten (10)-day period. Client may terminate the Proposal/Agreement without cause and for Client's convenience upon delivery to SEI of a written notice of termination for convenience. Client may suspend all or a portion of the Services upon written notice to SEI, provided that (i) Client shall compensate SEI for extra fees and costs due to such suspension of the Services; and (ii) SEI may terminate the Proposal/Agreement for cause if the Services or any portion of the Services are suspended in the aggregate for more than one hundred twenty (120) calendar days due to suspensions of the Services for Client's convenience. In the event of a termination of the Proposal/Agreement not the fault of SEI, SEI shall be compensated for the Services performed prior to termination, together with Reimbursable Expenses then due and all expenses directly attributable to the termination. In the event of a termination of the Proposal/Agreement for cause, the terminating Party shall be entitled to recover from the defaulting Party all damages caused by the defaulting Party's breach of the Proposal/Agreement.

5. STANDARD OF SKILL AND CARE. The Services (whether performed by SEI or SEI's Consultants) shall be performed in accordance with the standard of skill and care ordinarily exercised by licensed professionals of the same discipline in the state in which the Project is located on projects of similar size and scope and under like circumstances. SEI disclaims that any warranties, expressed or implied, are made or intended by SEI regarding the quality, fitness, accuracy, suitability or completeness of the Services or the Instruments of Service, or regarding any other matter.

6. INSURANCE. SEI shall maintain the following insurance coverages with insurance limits not less than specified below:

- a) Worker's Compensation Insurance – statutory limits;
- b) Employer's Liability Insurance – \$1,000,000;
- c) Automobile Liability – Combined single limits per accident, \$1,000,000;
- d) Commercial General Liability Insurance – Combined single limits per occurrence, \$1,000,000;
- e) Professional Liability – \$1,000,000 per claim

7. LIMITATION OF LIABILITY. Client agrees that the liability of SEI and SEI's Consultants, and their former and current officers, directors, employees and agents to Client, and any third party, due to any negligent acts, errors or omissions, breach of contract or breach of any other legal duty shall be limited in the aggregate to \$50,000, or the total fee paid to SEI for the Services, whichever is greater. If Client prefers to have higher limits of liability, SEI agrees to increase the aggregate limit of liability applicable to the Services to a maximum of \$1,000,000 upon Client's written request at or prior to the commencement of the Services, provided Client pays an additional consideration to SEI equal to five percent (5%) of the total fee for the Services, or \$600, whichever is greater. The additional charge for the higher limitation of liability is because of the greater risk assumed by SEI and is not a charge for additional professional liability insurance. Client shall indemnify, defend and hold harmless SEI and SEI's Consultants, and their past and current officers, directors, employees and agents, and each of them, from and against any liability arising or resulting from liabilities in excess of the applicable aggregate limit of liability of SEI and SEI's Consultants for the Services.

8. SITE OBSERVATIONS AND SOIL CONDITIONS. SEI shall have access to the Project site and to all areas where the Work is performed or located. Client shall procure all permits, licenses, rights-of-entry and access for SEI to enter upon and to perform Services at any public or private property

required for SEI to perform the Services.

By virtue of entering into this Agreement or providing the Services, SEI does not assume control of or responsibility for the Project site or the persons at the Project site, or undertake responsibility for reporting to any federal, state or local public agencies any conditions at the Project site that may present a potential danger to public health, safety or the environment.

Unless SEI provides a soils report or conducts soils testing as Services under the Proposal/Agreement, SEI makes no representations concerning soils conditions and is not responsible for any claims, damages, liabilities, losses or expenses that may arise out of the making or failure to make soils investigations or reports, or soils testing.

If a Contractor is involved in the Project, Client agrees that Contractor will be solely and completely responsible for the conditions at all locations where the Work is performed, including the safety of all persons and property during performance of the Work, and compliance with OSHA regulations. These requirements will apply continuously and will not be limited to normal working hours. It is agreed that SEI will not be responsible for job or site safety on the Project.

Client acknowledges and agrees that SEI is not responsible for the performance of the Work by third parties, including, but not limited to, the Contractor and the Contractor's subcontractors, sub-subcontractors of any tier and suppliers. Client further agrees to indemnify, defend and hold harmless SEI and SEI's Consultants, and their officers, directors, employees and agents from and against any and all claims, liabilities, damages, costs and expenses (including reasonable attorneys' fees and costs and expenses of dispute resolution) arising out of or based in whole or in part upon the operations of such third parties in the performance of the Work unless such claims, liabilities, damages, costs or expenses are adjudicated to be caused by the sole negligence or other fault of SEI and/or SEI's Consultants.

9. RELIANCE ON OWNER FURNISHED INFORMATION. SEI and SEI's Consultants shall be entitled to rely upon the accuracy and completeness of services and information furnished by Client and Client's consultants, agents and representatives, and SEI and SEI's Consultants shall have no duty to investigate the accuracy or completeness of such services or information.

10. UNKNOWN CONDITIONS. Conditions or occurrences may be encountered during the performance of the Services and/or the Work that require changes in the Services or impose risk to SEI and/or SEI's Consultants, or their employees or agents, in the performance of the Services not known to SEI when the Proposal/Agreement was entered ("Unknown Conditions"). If Unknown Conditions are encountered, SEI shall notify Client of the Unknown Conditions and the probable impact of the Unknown Conditions on the Services and the Work, and SEI shall consult with Client regarding possible actions, including:

- a. Suspend the Services and/or the Work until the Unknown Conditions are further studied by Client and the additional risks imposed by the Unknown Conditions are eliminated by Client or are reduced by Client to levels acceptable to both SEI and Client;
- b. Complete the Services in accordance with the scope of Services described in the Proposal/Agreement, if to do so is agreed by both SEI and Client to be practical;
- c. Agree to a change in the Services; or
- d. Agree to a termination of the Proposal/Agreement for Client's convenience.

11. HAZARDOUS MATERIALS. Client agrees to give written disclosure to SEI prior to the execution of the Proposal/Agreement of any hazardous material or toxic substances existing in, on or near the Project site known to Client that may present a potential for harm to human health, the environment or equipment. Unless otherwise included in the Services, SEI and SEI's Consultants shall have no responsibility for the discovery, presence, handling, removal or disposal of or exposure of persons to hazardous materials or toxic substances in any form at the Project site, unless the hazardous materials or toxic substances were brought to the Project site by SEI or SEI's Consultants.

In the event SEI or any other person or entity encounters hazardous materials or toxic substances at the Project site, or should it become known that such materials or substances are present at the Project site or its adjacent areas that may affect the performance of SEI's Services, SEI may, at its option, and without liability for consequential or other damages, suspend performance of the Services until Client retains appropriate specialist consultants or contractors to identify, abate and/or remove the hazardous materials or toxic substances and such consultants represent that such hazardous materials or toxic substances have been rendered harmless. Client shall indemnify, defend and hold harmless SEI and SEI's Consultants and their past and current officers, directors, employees and agents, and each of them, from and against all claims, liabilities, damages, costs and expenses (including reasonable attorneys' fees and costs and expenses of dispute resolution) arising out of or based in whole or in part upon any hazardous materials or toxic substances in any form at the Project site, including claims, damages, costs and expenses caused by the negligence or fault of the persons or entities being indemnified, unless such claims, liabilities, damages, costs or expenses are adjudicated to be caused by the hazardous materials or toxic substances brought to the Project site by SEI or SEI's Consultants.

12. INDEMNITY. To the fullest extent permitted by law, Client agrees to indemnify and hold harmless SEI and SEI's Consultants, and their past and current officers, directors, employees and agents, and each of them, from and against any and all claims, demands, suits, losses, costs and damages for injuries to persons (including bodily injury and death), damage to tangible property and economic loss caused by any negligent act, error or omission or intentionally wrongful conduct of Client or Client's consultants or their employees or agents.

13. INSTRUMENTS OF SERVICE. Drawings, specifications, reports and other documents, including those in electronic form, prepared by SEI and SEI's Consultants for the Project are Instruments of Service for use solely with respect to the Project. SEI and SEI's Consultants shall be deemed the authors and owners of their respective Instruments of Service and shall retain all common law, statutory and other reserved rights, including copyrights. Engineer grants to Client a nonexclusive license to reproduce SEI's Instruments of Service solely for the purpose of constructing, using and maintaining the Project, provided that Client shall comply with all obligations, including prompt payment to SEI of all consideration when due under the Proposal/Agreement. Except for the license granted in this Paragraph 13, no other license or right shall be deemed granted or implied under the Proposal/Agreement.

Client shall not use the Instruments of Service for future additions or alterations of the Project or for other projects, unless Client obtains the prior written agreement of SEI and SEI's Consultants. Any unauthorized use or modification of the Instruments of Service shall be at Client's sole risk and without liability to SEI or SEI's Consultants.

To the fullest extent permitted by law, Client shall indemnify, defend and hold harmless SEI and SEI's Consultants and their past and current officers, directors, employees and agents, and each of them, from and against any and all claims, liabilities, damages, costs and expenses (including reasonable attorneys' fees and costs and expenses of dispute resolution) arising out of or based in whole or in part upon any unauthorized use or modification of the Instruments of Service by Client or any person or entity that obtain the Instruments of Service from or through Client or Client's agents or representatives.

14. OPINIONS OF COST. If the Services include the evaluation of Client's budgets for construction costs or include providing SEI's opinions of probable construction costs, Client understands that SEI has no control over regional economies, availability of materials or labor or the competitive climate existing at the time of bidding or negotiation, over the costs or the prices of labor, equipment or materials, or over Contractor's methods of pricing, and that the evaluations of Client's budgets and/or opinions of probable construction costs provided by SEI are SEI's professional judgment as a design professional familiar with the construction industry. SEI makes no warranty, expressed or implied, as to the accuracy of such opinions or evaluations as compared to bids or negotiated prices or actual construction costs, and SEI does not represent or warrant that bids or negotiated prices or actual construction costs will not vary from Client's budget for the Project or from opinions of probable construction costs or from evaluations of Client's budgets prepared or agreed to by SEI.

15. PROVIDING EVIDENCE. If SEI or an employee of SEI is requested by Client or is compelled by subpoena or other legal process by Client or a third party to provide testimony, documents or evidence in relation to the Services and in connection with any public hearing, dispute resolution proceeding or legal proceeding in which SEI is not a party, Client agrees to compensate SEI on the basis of hourly rates and Reimbursable Expenses according to SEI's Rate Schedule then in effect for the time and expenses reasonably incurred by SEI in providing such evidence, provided that SEI is not compensated in full for such reasonable time and expenses by the party compelling or requesting the evidence.

16. SEVERABILITY. In the event that any provision of these Terms and Conditions is found to be unenforceable, the other provisions shall remain in full force and effect.

17. SURVIVAL. All obligations arising prior to the termination of the Proposal/Agreement and all provisions of these Terms and Conditions allocating responsibility or liability between Client and SEI shall survive the completion of the Services and the termination of the Proposal/Agreement, and Paragraphs 5, 6, 7, 9, 11, 12, 13, and 15 shall survive the completion of the Services and the termination of the Proposal/Agreement.

18. INTEGRATION. The Proposal/Agreement and these Terms and Conditions incorporated therein constitute the entire agreement between the Parties and cannot be changed except by written instrument signed by both Parties.

19. GOVERNING LAW. The Proposal/Agreement and these Terms and Conditions incorporated therein shall be governed in all respects by the laws of the state in which the Project is located.

20. THIRD PARTY FEES. SEI shall pay the fees and costs specifically required by the Proposal/Agreement and these incorporated Terms and Conditions. Unless specifically required by the Proposal/Agreement, SEI shall not be required to pay the fees and costs of the checking and/or inspection of the Instruments of Service and/or the Work by persons or entities other than SEI or SEI's Consultants, zoning and annexation application fees, assessment fees, soils engineering fees, soils testing fees, aerial topography fees, and all other fees, permits, bond premiums, title insurance charges, costs of reproductions of the Instruments of Service or other documents, and other charges not specifically required to be paid by SEI by the Proposal/Agreement.

21. THIRD PARTY BENEFICIARIES. Nothing contained in the Proposal/Agreement and these incorporated Terms and Conditions shall create a contractual relationship with or a cause of action in favor of a third party against either Client or SEI. SEI's Services under the Proposal/Agreement are being performed solely for Client's benefit, and no other person or entity shall have any claim against SEI arising under the Proposal/Agreement or arising from the performance or non-performance of the Services.

22. EMPLOYMENT FEES. In the event Client hires directly any employee of SEI within one (1) year after final payment is due to SEI for the Services, Client agrees to reimburse SEI a monetary amount equal to six (6) months' wages for the employee so hired by Client as an employment fee. The employment fee shall be calculated as six (6) times the gross monthly full-time wages of the employee immediately prior to the hiring.

23. ASSIGNMENTS. Neither Client nor SEI shall assign the Proposal/Agreement or any right, interest or claim for damages arising under the Proposal/Agreement without the written consent of the other, except that Client may make a conditional collateral assignment of the Proposal/Agreement to an institutional lender providing financing for the Project, conditioned on Client's default in its obligations to such lender regarding the financing for the Project. In the event the condition of such collateral assignment is satisfied, the lender shall assume Client's rights and obligations under the Proposal/Agreement. If SEI's Services are affected or delayed by Client's default or the assignment of the Proposal/Agreement to the lender, SEI's fees for the remaining Services of the Project and the time schedules for performance of the remaining Services of the Project shall be equitably adjusted.

24. CONSEQUENTIAL DAMAGES WAIVER. SEI and Client mutually waive as to one another and as to the present and current officers, directors, partners, members, employees, agents and consultants of one another, any and all consequential damages for claims, disputes or other matters in question arising out of or relating to the Proposal/Agreement or the performance or non-performance of the Services. This mutual waiver is applicable, without limitation, to all consequential damages due to either Parties' termination of the Proposal/Agreement or suspension of the Services.

25. DISPUTE RESOLUTION. All claims, counterclaims, disputes and other matters in question between Client and SEI arising out of or relating to the Proposal/Agreement or these incorporated Terms and Conditions, or the breach of the Proposal/Agreement or these incorporated Terms and Conditions, or the Services performed pursuant thereto, shall be decided in such dispute resolution proceedings as Client and SEI shall mutually agree upon in writing after the dispute arises or, in the absence of mutual agreement, in a court of competent jurisdiction within the State in which the

Project is located.

26. CHANGES AND/OR ADDITIONAL SERVICES. The Client reserves the right, at its sole discretion, to change and or increase the scope of consulting services including award of additional phases of consulting services to SEI without conducting additional procurement procedures. Such changes shall include negotiated scope, time and compensation and shall be binding on SEI and Client when mutually agreed upon in writing by SEI and Client.

Memorandum of Understanding

This Memorandum provides details about the Subdivision Ordinance Update that we, Hansen Planning Group, will provide for Hildale. It also describes the process, work plan, and timeline that we will follow.

WHY THIS PROJECT

The Utah Legislature passed Senate Bill 174 in early 2023. This law changes how local land use ordinances governing subdivisions are handled in the state and requires local governments to update their ordinances accordingly. The new law gives your municipality a date certain in 2024 to bring your code into compliance. The purpose of this Subdivision Ordinance Update is to produce a subdivision code and administrative process that will help your municipality comply with current state statutes and planning best practices.

FUNDING

This ordinance update is *available at no cost to your municipality* thanks to the program administered by the Utah Department of Workforce Services (DWS). The DWS webpage explaining this initiative is at <https://jobs.utah.gov/housing/community/subpool.html>. Our company is one of a handful of private entities with which the Department has contracted to do this work. For reference, our contract number with the state is #246143.

Your jurisdiction is eligible for up to \$14,000 of professional code writing services. Hansen Planning Group is authorized to provide this to your jurisdiction. *We expect that completing this project could require this entire amount.* It is therefore important that the municipality does not engage another provider for the same work without consulting with us first. Not only are we confident that we can get you the best result, but you will be responsible to pay for any services (rendered by us or another company) once the state funding is obligated. *We will not exceed your state-funded amount unless you request it. This would require us to enter into a separate agreement with your municipality.*

PROJECT MANAGEMENT

We are happy to collaborate with other planners or law firms that are eligible entities in the consulting pool at your request. For efficiency—and to ensure we do not exceed the state funding budget—Hansen Planning Group will manage the project and the specific involvement (hours billed to the project, deliverables, etc.) of these other entities.

TIMELINE FOR COMPLETION

Based on our code writing experience, we expect that each subdivision project we conduct will have a unique timeline. At a minimum, we estimate your code revisions to take us up to three months to complete from the project's formal initiation. Your project may go faster, and it may go slower. At the latest, we will finish your subdivision ordinance revisions no later than October 1, 2024. Our availability date to begin your municipality's subdivision update is as early as: February 1, 2024.

WORK PLAN and DELIVERABLES

At a minimum, the Hansen Planning Group will produce (1) a state-compliant subdivision title for your municipality, (2) a memo recommending changes to subdivision-related engineering standards, (3) updated subdivision application forms.

We can also provide you with optional services such as (1) codifying and uploading your adopted ordinances into the civiclinQ.com online platform, and (2) hosting a training event with City Council, Planning Commission, and staff that helps explain the recommended changes (focusing on administrative vs legislative decision making).

Your update project will follow the following general steps in revising your subdivision ordinances:

1. **Audit existing subdivision ordinances.** We will review the current version of your subdivision code and identify issues and omissions, especially involving nonconformity with state law.
2. **Make material changes.** We will (1) revise your subdivision ordinances to compliment your community's general plan and vision, (2) audit the municipal code for relevant elements regarding authorities, roles, definitions, etc, and (3) make other recommendations that bring the code into conformity with state and federal law, resolve inconsistencies, simplify processes, and correct any other substantive or procedural issues.
3. **Rewrite in plain language.** Where needed, we will rewrite your subdivision ordinances so that a normal person can easily understand them. This will likely involve eliminating "legalese", consolidating and reorganizing content, and adding summary charts, tables, headings, and illustrations.
4. **Explain changes.** Along with our revisions to your subdivision ordinances, we will deliver a "Policy Discussion Catalog" identifying and explaining the changes we've made. This catalog will help your local legislative body review and adopt the code quickly and easily.

MEETINGS

Our team will be available to meet virtually to answer any questions you have about the process and our progress on your ordinances. We may also be available for the occasional in-person meeting, depending on your need and our availability.

WHAT WE NEED FROM YOU

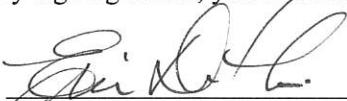
Our team will make this update as easy and "hands free" for you as possible. DWS requires that you do just a few things:

- **Sign this Memorandum.** We also need you to provide us with the most current copy of your subdivision ordinance and a copy of your subdivision application form(s).
- **Provide public notice (as per UCA 10-9a-205).** Our firm can help provide notice language.
- **Promptly adopt your amended subdivision code after it is developed.** We will be carrying the cost of this project, and DWS will not reimburse us until your code is adopted. You must agree to act on your updated code through the public process without delay.

- **Sign our invoice.** Once your code is adopted, our company will submit an invoice to DWS. DWS requires that you also sign this invoice to certify that we worked on your code and that you adopted the code. You must agree not to withhold your signature.

SIGNATURES

By signing below, you indicate that you acknowledge, understand, and agree to the above.



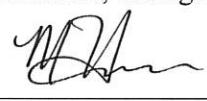
Signature

ERIC DUTHIE, City Manager

Name and Title, on behalf of the Municipality

Nov. 8, 2023

Date



Signature

Mike Hansen, Principal

Name and Title, on behalf of HPG

3 November, 2023

Date

Jerry Postema <jerryp@hildalecity.com>

Wed 9/20/2023 4:26 PM

To:Shawn Guzman <ShawnG@hildalecity.com>;Eric Duthie <EricD@hildalecity.com>
Cc:Vance Barlow <VanceB@tocc.us>

Here is the on lie registration for the PFAS Class Action Settlement.

Thanks

Jerry

From: PWS Settlement Claims Administrator <notice@pnclassaction.com>

Sent: Wednesday, September 20, 2023 3:18 PM

To: Jerry Postema <jerryp@hildalecity.com>

Subject: Registration Confirmation - 500204

Dear Jerald Postema,

Thank you for your submission. Please note that this is the first step in the claims process and understand that you have not yet submitted a Claims Form and there is no guarantee of payment at this time. Once your information has been reviewed, you will receive a notification via email at the contact email address that you provided which includes information on how to continue with submission of your Claims Form(s).

Registration Confirmation Number: 500204

The next step in the claims process is for each Class Member (Public Water System) to perform “Baseline Testing” – that is, Settlement Class Members must test every Water Source (groundwater well or surface water system) they own for PFAS. Baseline Testing is different from what the EPA requires for UCMR 5. Under UCMR 5, a Public Water System is required to test for PFAS only at the entry points to its distribution system, but Baseline Testing requires Settlement Class Members to test every Water Source.

By performing Baseline Testing to determine which Water Sources have current PFAS detections, each Settlement Class Member will be able to submit Claims Forms, have its Water Sources scored, and receive Allocated Awards based on those scores.

Below is important information regarding how settlement class members will be categorized as *Phase One* or *Phase Two* class members and additional details related to Baseline Testing requirements which are necessary to complete the claims process.

Please read this information carefully.

CLASS MEMBER CATEGORIZATION

Based on the information provided in your submission, the Public Water System(s) identified may be preliminarily categorized as either a Phase One or a Phase Two class member for each settlement program. The preliminary categorization will determine the relevant information and/or Claims Form(s) that the Public Water System (PWS) is required to submit to complete the claims process.

Phase One Qualifying Class Member definitions are included below for each settlement program:

- **Phase One Qualifying Class Member – 3M Settlement:** A Phase One Qualifying Class Member is an Active Public Water System in the United States that has one or more Impacted Water Source as of **June 22, 2023**.

- Phase One Qualifying Class Member – DuPont Settlement: A Phase One Qualifying Settlement Class Member is a Public Water System in the United States of America that draws or otherwise collects from any Water Source that, on or before **June 30, 2023** was tested or otherwise analyzed for PFAS and found to contain any PFAS at any level.

Phase Two Qualifying Class Member definitions are included below for each settlement program:

- Phase Two Qualifying Class Member – 3M Settlement: A Phase Two Qualifying Class Member is an Active Public Water System in the United States that does not have one or more Impacted Water Sources as of the **June 22, 2023** and (i) is required to test for certain PFAS under UCMR-5 or (ii) serves more than 3,300 people.
- Phase Two Qualifying Class Member – DuPont Settlement: A Phase Two Qualifying Settlement Class Member is a Public Water System in the United States of America that:
 - a) is not a Phase One Qualifying Settlement Class Member and
 - b) is subject to the monitoring rules set forth in UCMR 5 or is required under applicable state or federal law to test or otherwise analyze any of their Water Sources or the water they provide for PFAS before the UCMR 5 deadline.

For more information on Phase One and Phase Two class member categories, please refer to the Settlement Agreements and related exhibits at www.PFASWaterSettlement.com.

BASELINE TESTING

Each Class Member must perform Baseline Testing. Baseline Testing requires each Class Member to test each of its Water Sources for PFAS; request from the laboratory that performs the analyses all analytical results, including the actual numeric values of all analytical results; and submit the detailed PFAS test results to the Claims Administrator on a Claims Form(s) by the relevant Claims Form deadline.

Baseline Testing requires that each Water Source be analyzed for at least the 29 PFAS chemicals required under UCMR 5, using a methodology consistent with the requirements of UCMR 5 or applicable State requirements (if stricter). Baseline Testing may be performed by any laboratory accredited by a state government or federal regulatory agency for PFAS analysis that uses any state- or federal agency-approved PFAS analytical method that is consistent with (or stricter) than the requirements of UCMR 5.

Requirements related to prior testing of Water Sources are included below for each settlement program:

- 3M Settlement:
 - Any Water System tested on or before **June 22, 2023**, using a state- or federal-approved methodology and found to contain a Measurable Concentration of PFAS, does not need to be tested again for purposes of Baseline Testing.
 - Any Water Source tested **prior to January 1, 2019**, that did not result in a Measurable Concentration of PFAS, must retest to meet Baseline Testing requirements.
 - If a Water Source tested **January 1, 2019, or later**, and it did not result in a Measurable Concentration of PFAS, no further testing of that Water Source is required.
- DuPont Settlement:

- Any Water Source tested on or before **June 30, 2023** and found to contain a detection of PFAS, does **NOT** need to test that Water Source again for purposes of Baseline Testing.
- Any Water Source tested **before December 7, 2021** that did not result in a PFAS detection must retest.
- If a Water Source tested **December 7, 2021, or later**, and it did not result in a detection of PFAS, no further testing is required.

Failure to test and submit Qualifying Test Results for Water Sources will disqualify Water Sources from consideration for present and future payments.

Class Counsel has arranged for discounted testing with the following laboratory to assist Class Members with Baseline Testing. There is no requirement to use the listed laboratory.

Eurofins Environmental Testing

Telephone Number: (916) - 374 - 4499

<https://www.eurofinsus.com/environment-testing/pfas-testing/pfas-water-provider-settlement/> .

For more information, please refer to the Settlement Agreements and related exhibits at www.PFASWaterSettlement.com . You may also contact the Claims Administrator at info@pfaswatersettlement.com .

Fwd: Mountain Valley Estates LUWD Feasibility Report

Item 15.

Brant Tuttle <btuttle@neiutah.com>

Mon 11/27/2023 4:58 PM

To:City Manager <manager@hildalecity.com>;Lawrence Barlow <lawrence@uppermesa.com>

1 attachments (6 MB)

MOUNTAIN VALLEY ESTATES LUWD FEASIBILITY REPORT Rev 11-3-23 (email).pdf;

Eric & Lawrence,

I am forwarding you an email document that I have received from Ask Creek Special Service District requesting the Mountain Valley Estates project to look at a lift station and connection to the Hildale Lagoons instead of the mechanical plant wastewater system. I have had several verbal discussion with Mike Chandler, the district superintendent, regarding the district preference for Mountain Valley Estates to connect sewer to the Hildale Lagoons.

thanks,

Brant

----- Forwarded Message -----

Subject: RE: Mountain Valley Estates LUWD Feasibility Report

Date: Tue, 14 Nov 2023 12:02:18 -0700

From: amber@ashcreekssd.com

To: 'Brant Tuttle' <btuttle@neiutah.com>

CC: mike@ashcreekssd.com, 'Robert Beers' <rbeers@utah.gov>

Brant,

Based on our conversation yesterday, Ash Creek would like you to provide additional information on the cost/feasibility of a lift station and use of the Hildale Lagoons. This may be a better alternative to a LUWD system and should be further explored. Please see attached for additional redline comments on the feasibility report.

Regarding your questions below, Richard Jex should be able to sign the construction permit application for this project. The construction drawings should be submitted to Ash Creek. We will review construction drawings and submit them to Robert after our review.

Please let us know if you have any questions.

Thanks,



Amber Gillette, P.E.

Engineer

435-635-2348 Ext. 110
amber@ashcreekssd.com

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

October 2023

DRAFT

PREPARED BY:



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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

Calandar 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:

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

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 Plan 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

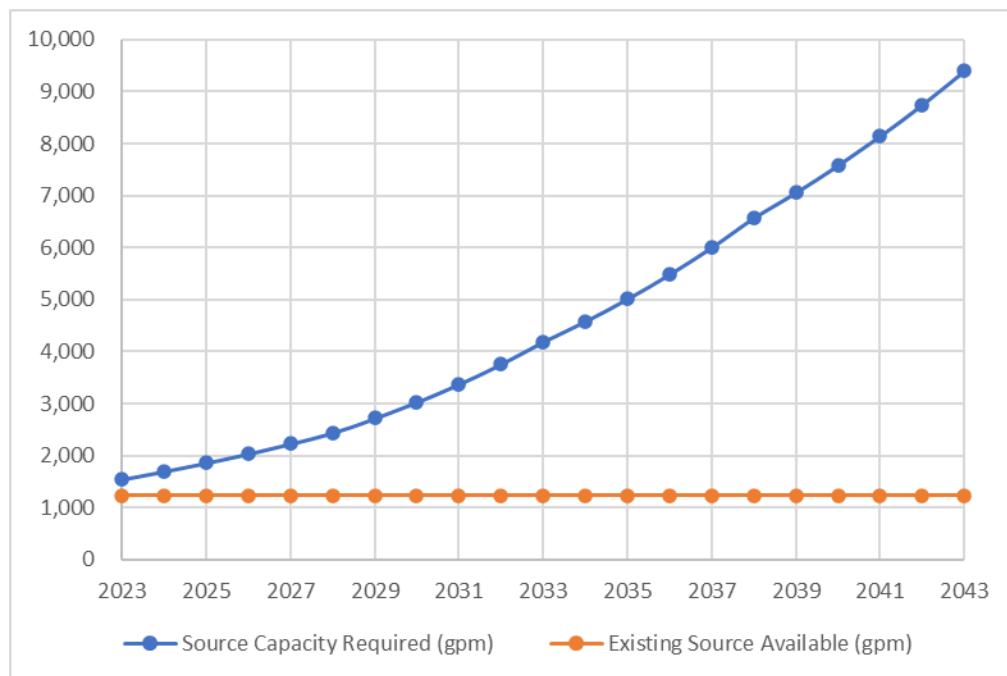
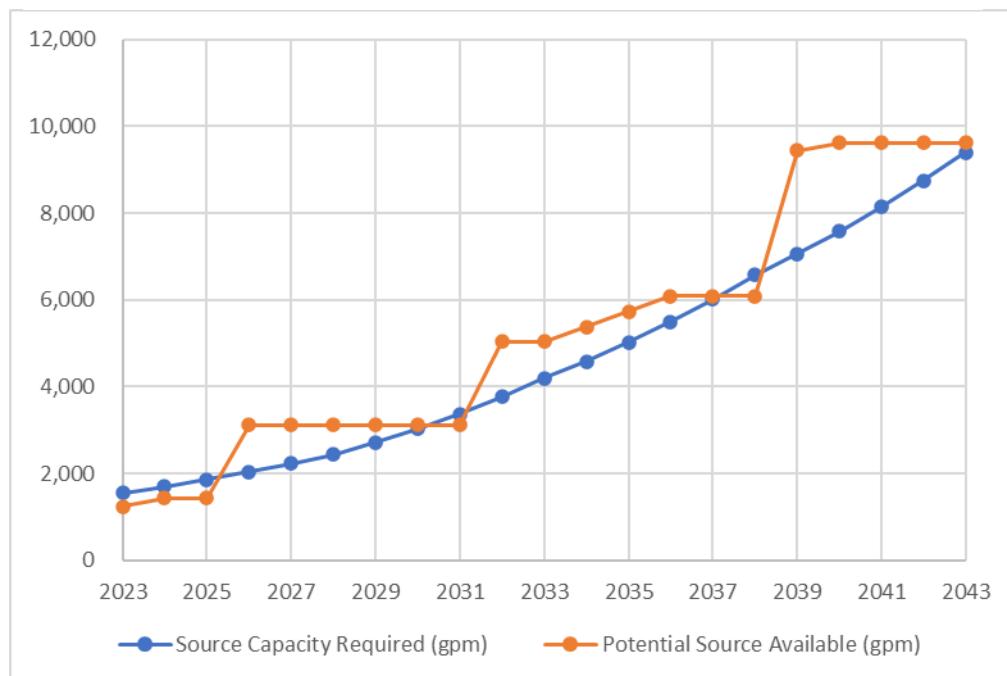


Figure III-8: Projected Source Capacity with Recommended Improvements



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

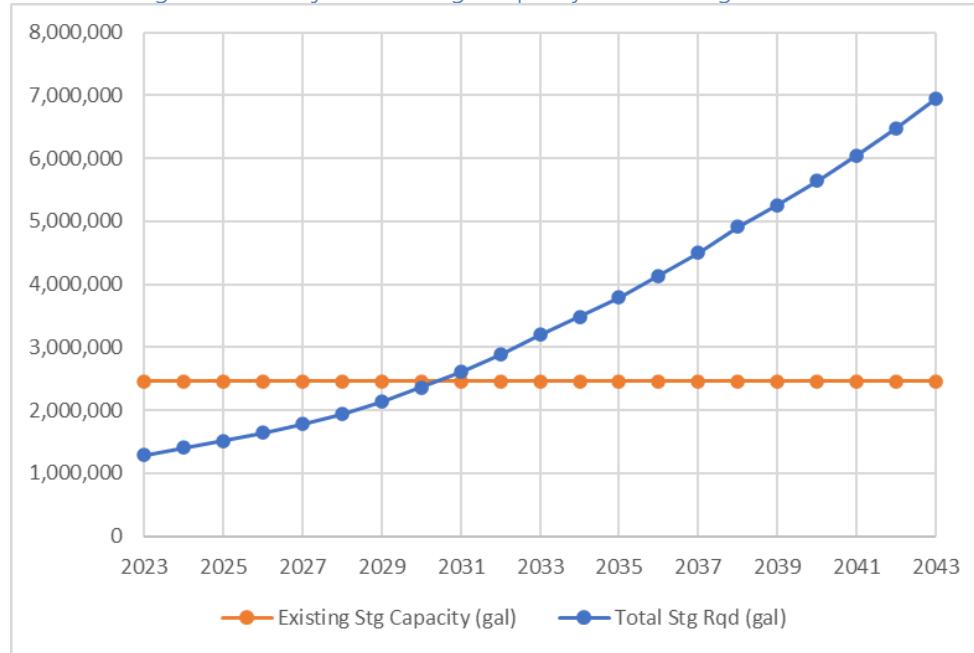
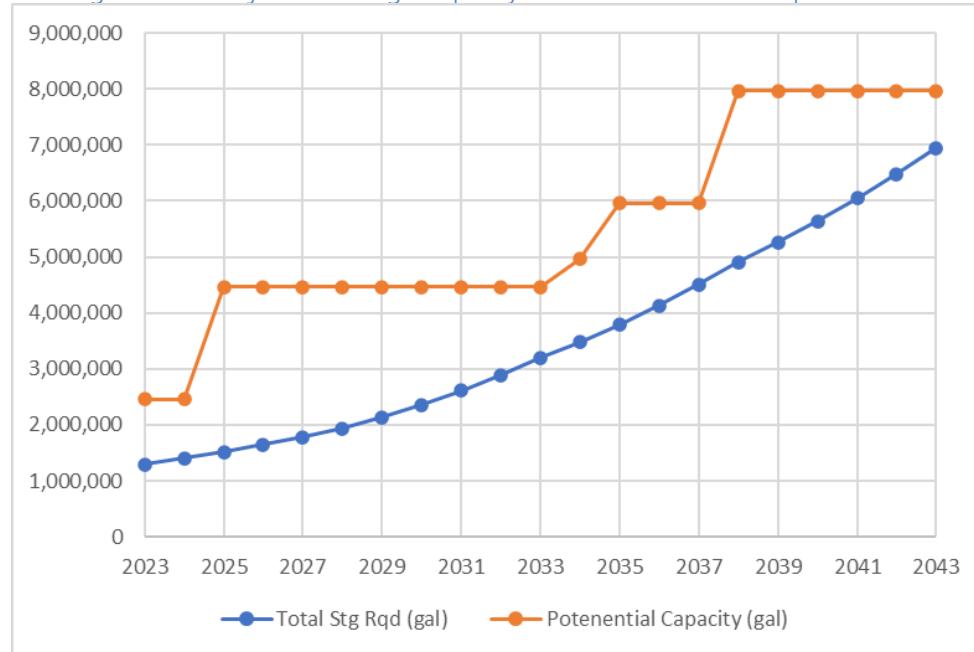


Figure IV-8: Projected Storage Capacity with Recommended Improvements



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

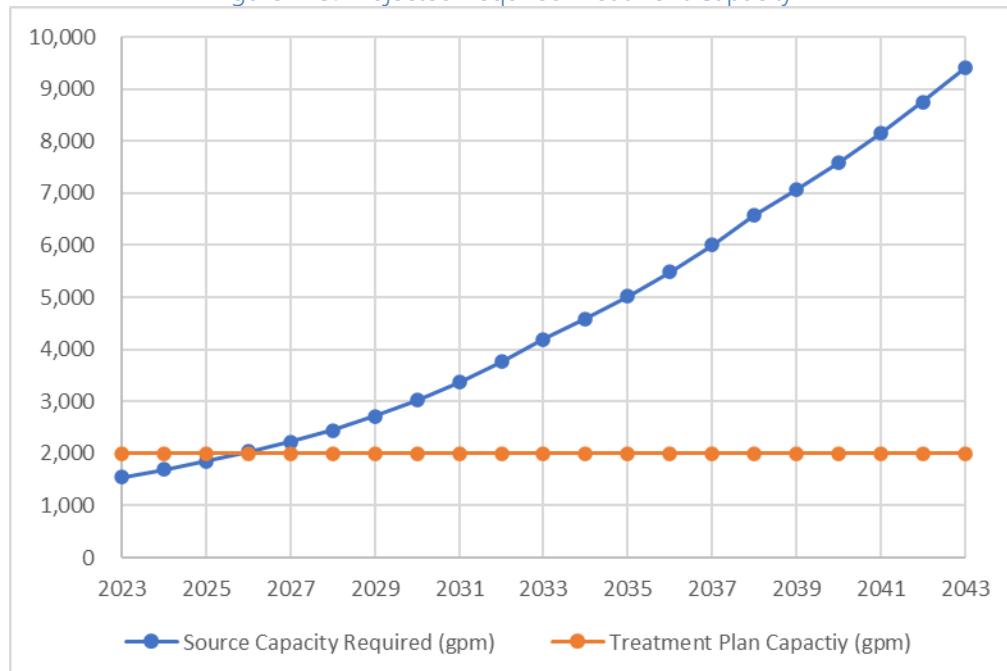
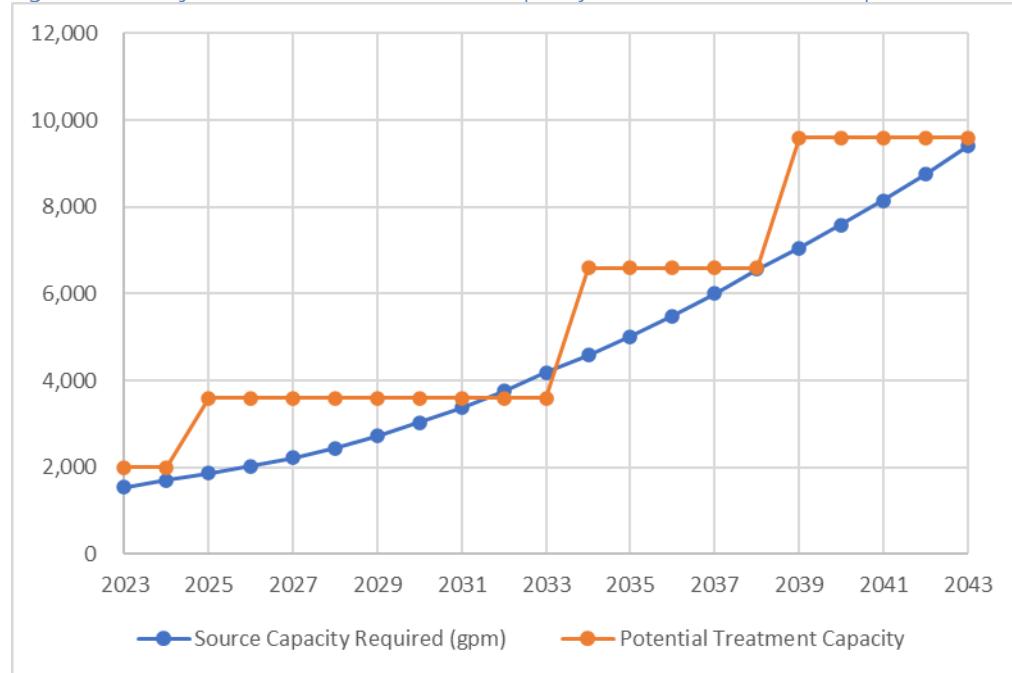


Figure V-6: Projected Available Treatment Capacity with Recommended Improvements



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 Newel 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 <u>ERU</u>				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								
Calandar 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 X 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 FactorX 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)

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

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

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

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 Piping	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 Piping	1	LS	\$ 15,000.00	\$ 15,000.00
SUBTOTAL					
CONTINGENCY					
CONSTRUCTION TOTAL					
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					
TOTAL PROJECT COST					

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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%
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" Ramed 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					\$ 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" Ramed 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					\$ 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

Project Location: Colorado City

11-Oct-23

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%
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

Project Location: Hildale City

11-Oct-23

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%
CONSTRUCTION TOTAL					\$ 405,700.00
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

Project Location: Hildale City

18-Oct-23

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% \$ 889,500.00
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%
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
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%
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

In providing opinions of probable construction cost, the Client understands that the Engineer has no control over costs of 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

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%
				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% \$ 290,900.00
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

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Engineer's Opinion of Probable Cost

Hildale Street Line

Project Location: Colorado City

17-Oct-23

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%
				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

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Engineer's Opinion of Probable Cost

Transmission Line to Airport
Project Location: Colorado City

17-Oct-23

MCG/bcw

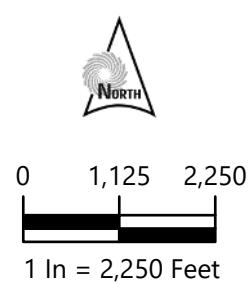
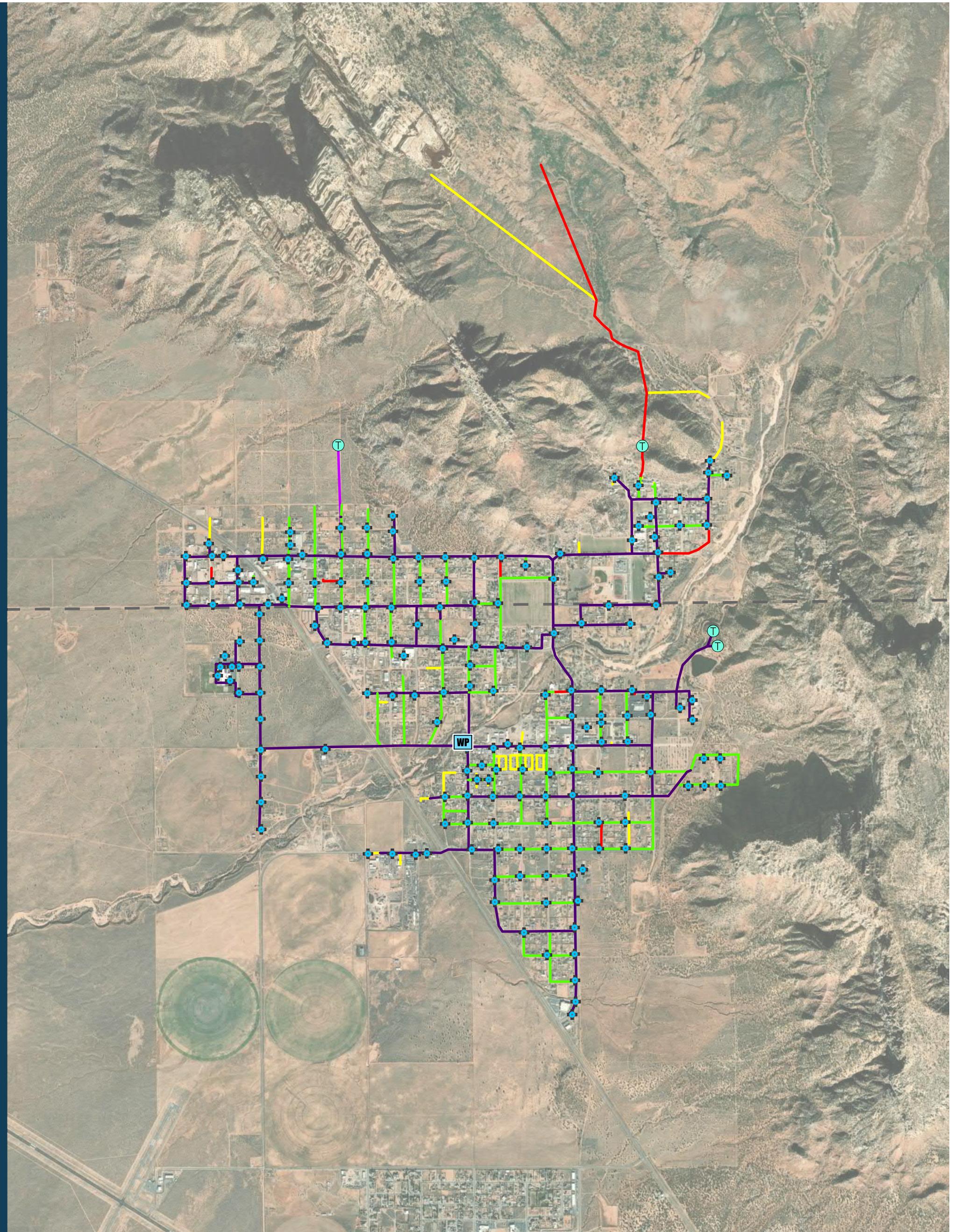
NO.	DESCRIPTION	EST. QTY	UNIT	UNIT PRICE	AMOUNT
GENERAL CONSTRUCTION					
1	Mobilization	5%	LS	\$ 71,600.00	\$ 71,600.00
2	Traffic Control	1	LS	\$ 12,000.00	\$ 12,000.00
3	Pre-Construction DVD	1	LS	\$ 1,500.00	\$ 1,500.00
4	Dust Control & Watering	1	LS	\$ 20,000.00	\$ 20,000.00
5	Subsurface Investigation	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

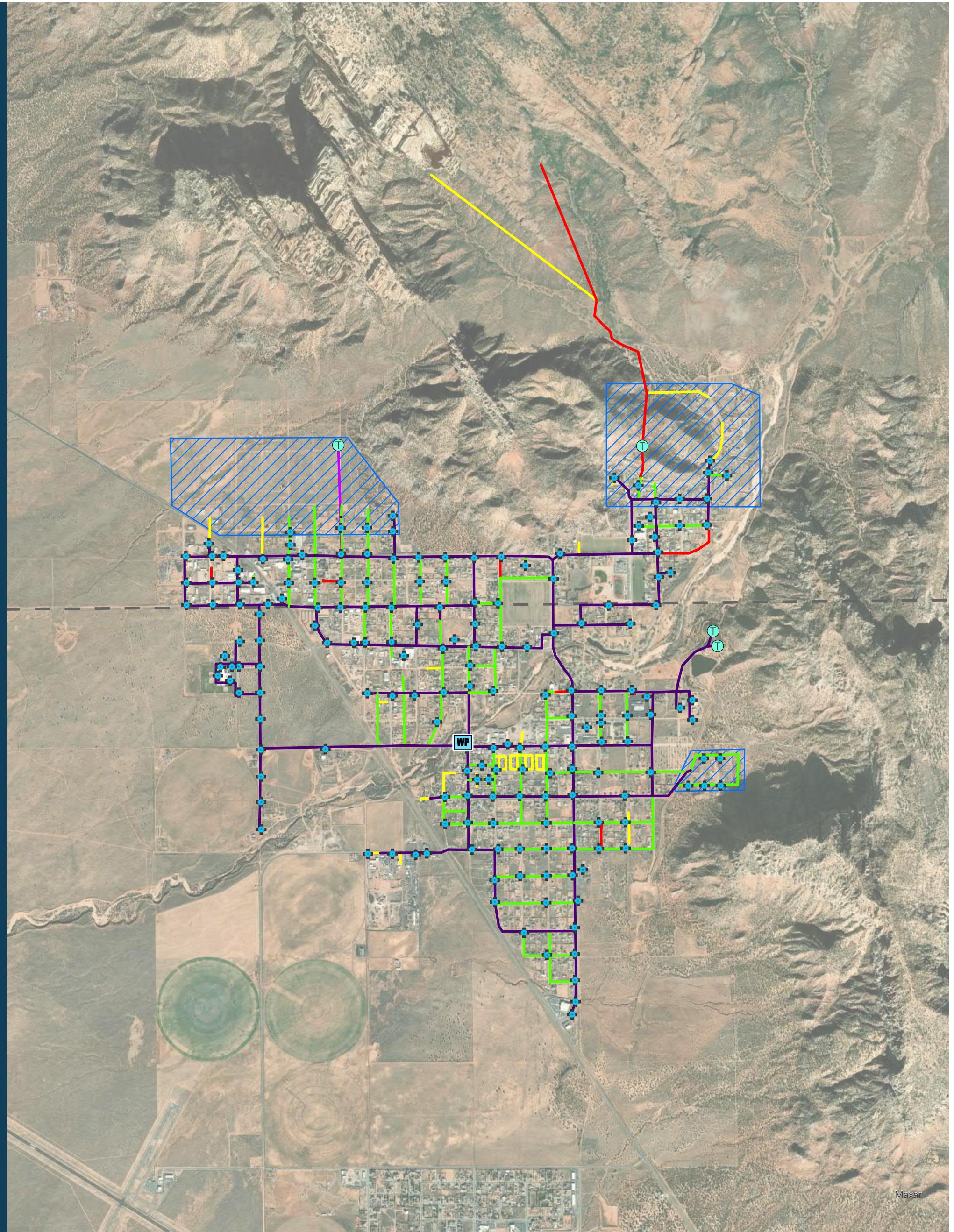
EXISTING WATER SYSTEM



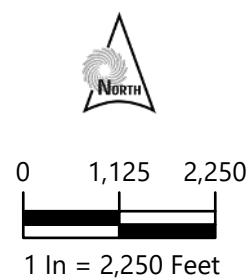
- Water Mains
- Water Hydrants
- Water Tank
- Treatment Plant
- State Boundary

Map Date: 10.27.2023

LOW FIRE FLOW AREA



MAP LEGEND



Water Mains

- 2"
- 4"
- 6"
- 8"
- 12"

Water Hydrants

- Water Tank
- Treatment Plant

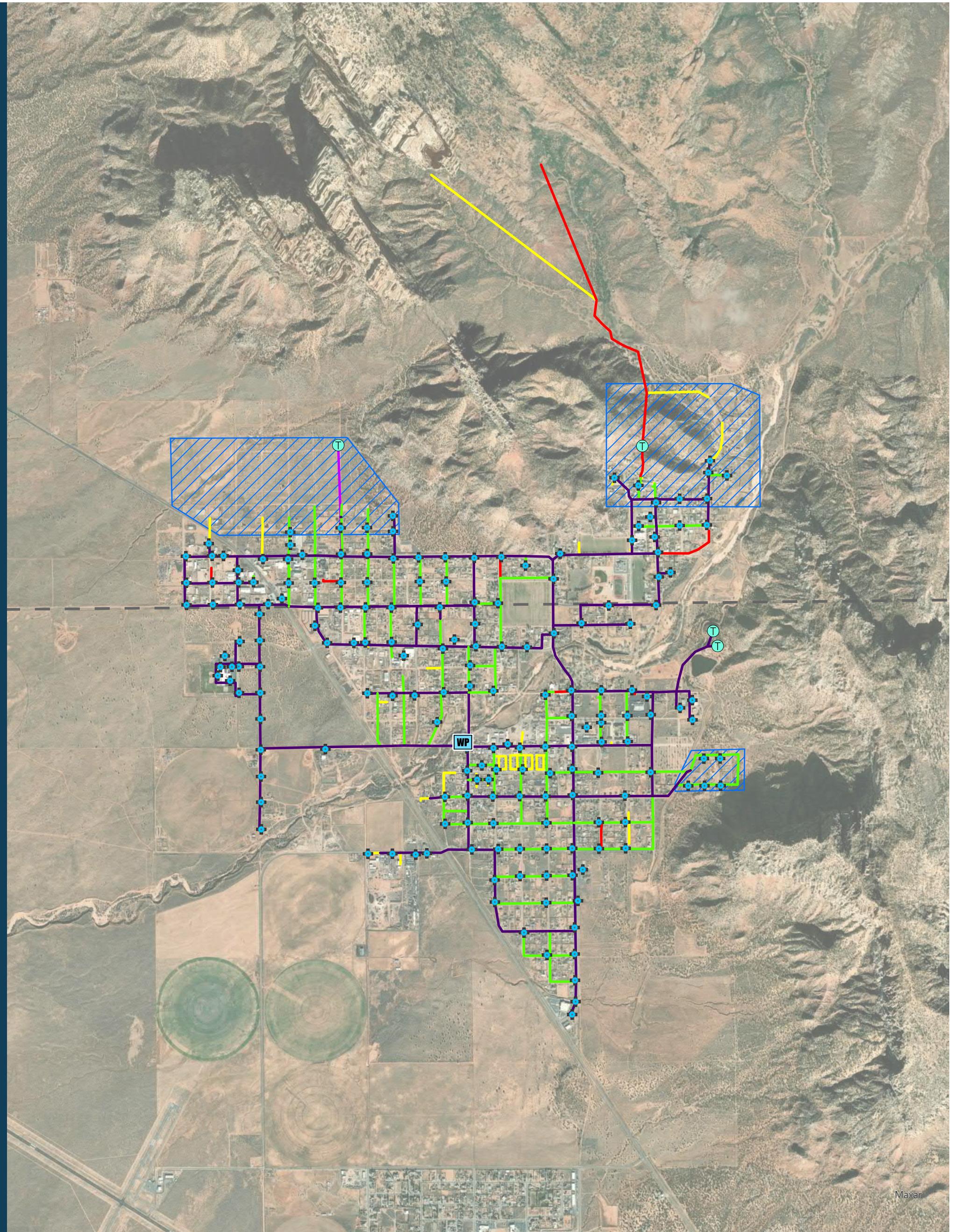
Pressure Zones

State Boundary

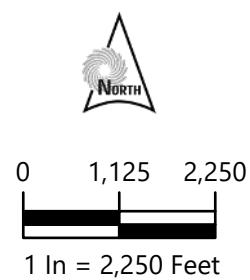


Map Date: 10.27.2023

LOW PRESSURE DURING PDD SCENARIO



MAP LEGEND



Water Mains

- 2"
- 4"
- 6"
- 8"
- 12"

Water Hydrants

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Water Tank

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Treatment Plant

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Pressure Zones

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State Boundary

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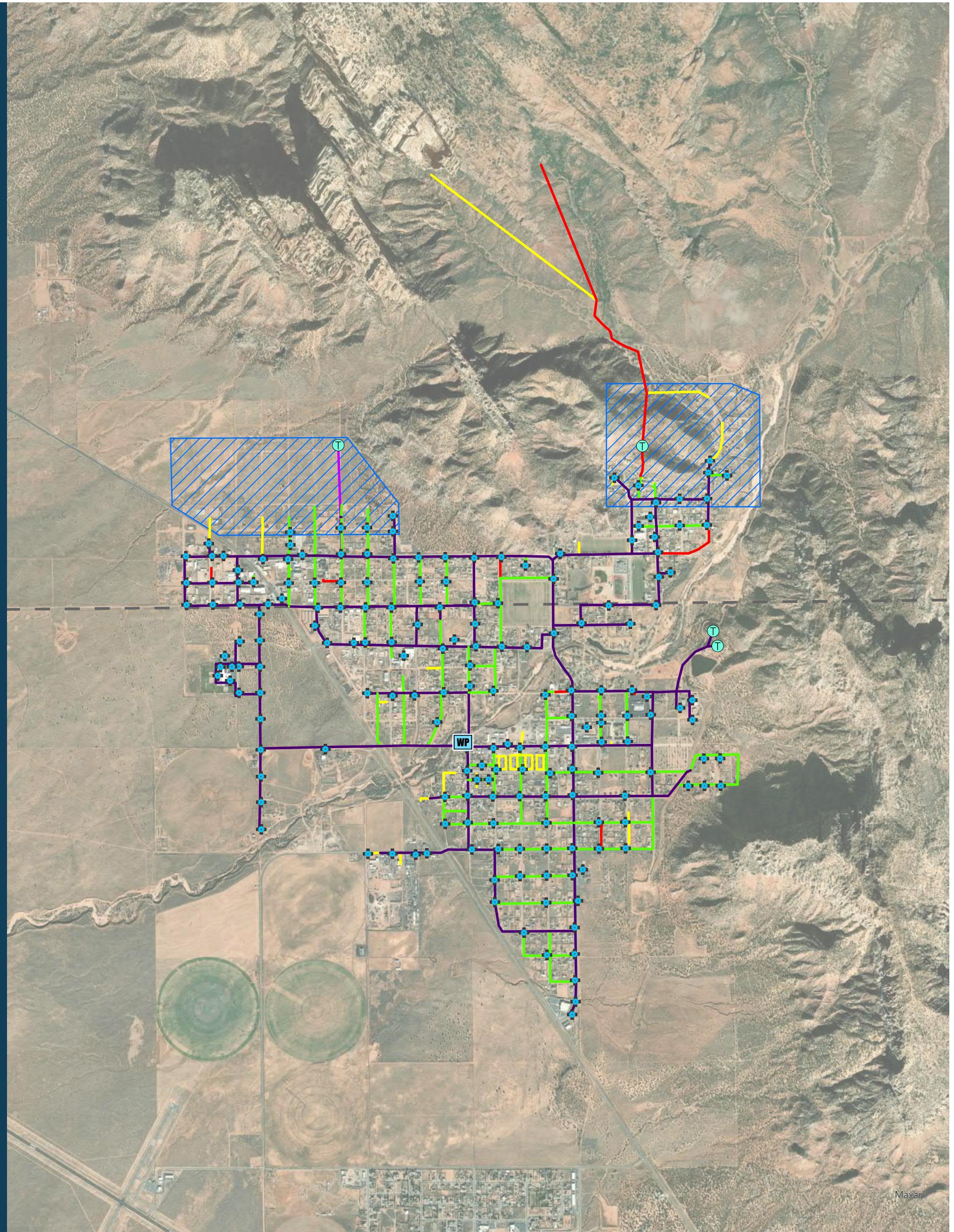
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Maxar

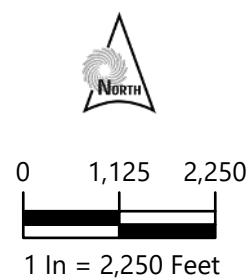


Map Date: 10.27.2023

LOW PRESSURE DURING PID SCENARIO



MAP LEGEND



Water Mains

- 2"
- 4"
- 6"
- 8"
- 12"

Water Hydrants

- Water Tank
- Treatment Plant

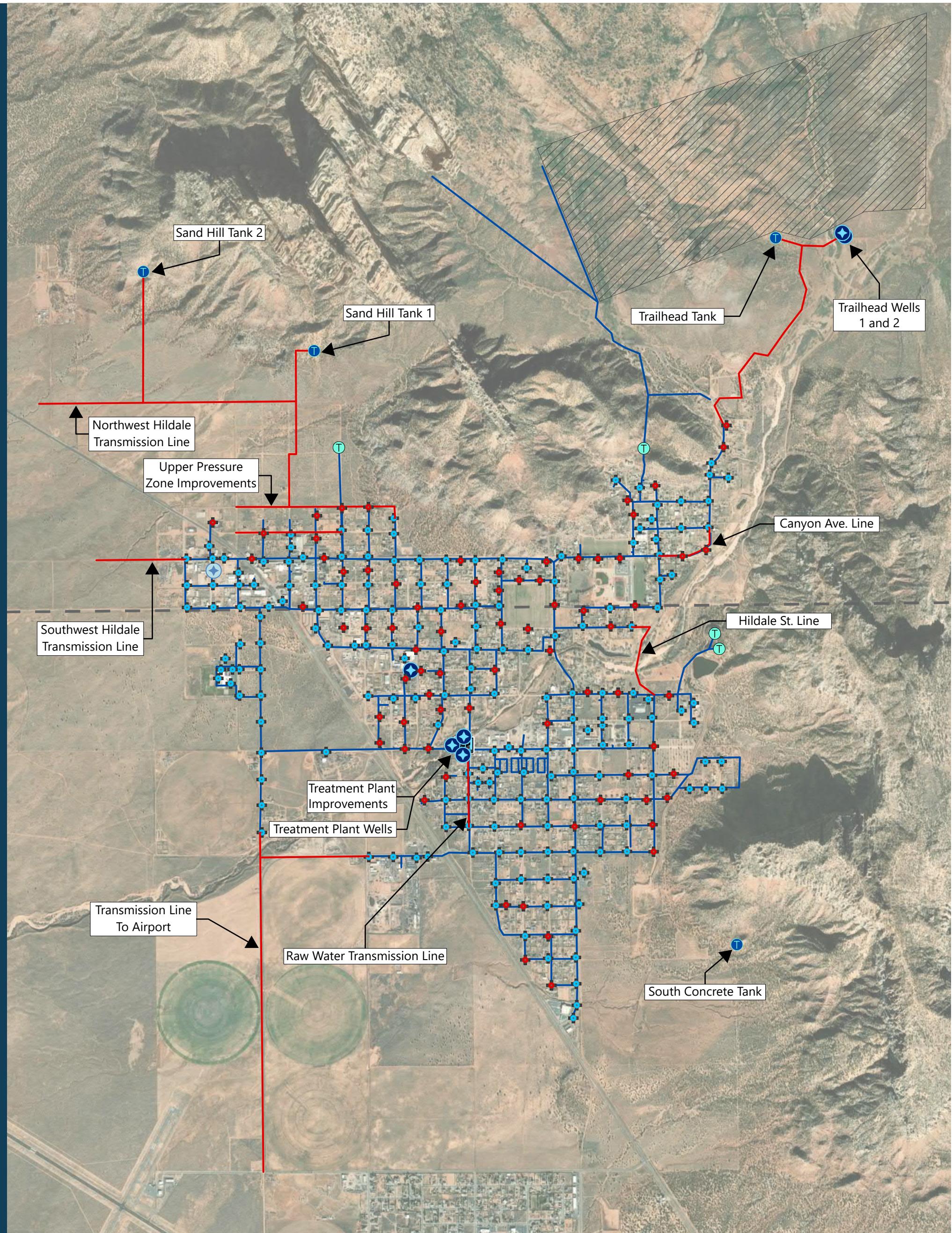
Pressure Zones

State Boundary

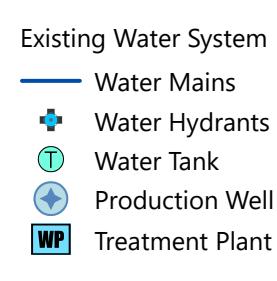
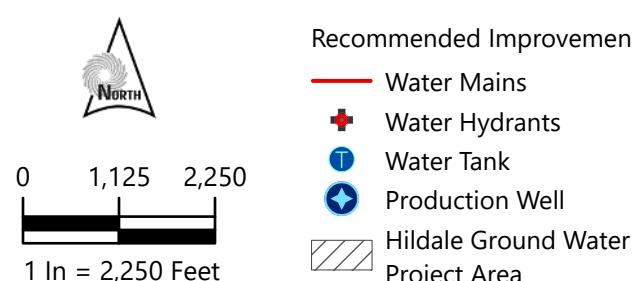


Map Date: 10.27.2023

RECOMMENDED IMPROVEMENTS



MAP LEGEND



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 Upda	\$ 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%							Number ERU Start 2024	468	Number ERU Start 2024	847
**Financed costs assume a 20-year 4% interest loan							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

Hildale Council Events Calendar

DECEMBER 2023

Item 17.

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
					1	2 <i>ANNUAL CHRISTMAS TREE LIGHTING 4:30pm</i>
3	4	5	<i>Hildale City Council meeting 6pm</i>	6	<i>Fair Housing Training 9am @ Police Department</i>	7
10	<i><u>Legislative Policy Committee 12pm</u></i>	11	<i>Senator Owens, Sen. Pres. Adams site visit 9am</i>	12	13	14
17	18	19	20	<i>Utility Advisory Board meeting 6pm</i>	21	22
24	25 <i>CHRISTMAS HOLIDAY OFFICE CLOSED</i>	26	27	28	29	30
31	<i>Jan 1 2024 NEW YEARS DAY HOLIDAY OFFICE CLOSED</i>	<i>Jan 2 2024</i>	<i>Jan 3 2024</i>	<i>Jan 5 2024</i>	<i>Jan 6 2024</i>	<i>Jan 7 2024</i>

** HILDALE COUNCIL MEETING WED JANUARY 10, 2024, 6pm **