Hildale City Council Meeting

Wednesday, February 07, 2024 at 6:00 PM

320 East Newel Avenue, Hildale City, Utah 84784

Agenda

Notice is hereby given to the members of the Hildale City Council and the public, that the City Council will hold a public meeting on **Wednesday, February 7, 2024 at 6:00 p.m. (MDT)**, at 320 East Newel Avenue, Hildale City, Utah 84784.

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

Join Zoom Meeting

https://zoom.us/j/95770171318?pwd=aUVSU0hRSFFHcGQvcUlPT3ZYK0p5UT09

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:

Approval of Minutes of Previous Meetings: Council Members

2. Consideration, discussion, and possible approval of January 10, 2024, City Council Meeting Minutes.

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:

5. Notice is hereby given to the members of the Hildale City Council and the public, that the City Council will hold a public hearing as part of the regular public meeting on **Wednesday, February 7, 2024, at 6:00 p.m. (MDT)**, at 320 East Newel Avenue, Hildale City, Utah 84784.

   The purpose of this hearing is to receive public comment concerning the Water Master Plan and Certified Facilities Plan.

6. Notice is hereby given to the members of the Hildale City Council and the public, that the City Council will hold a public hearing as part of the regular public meeting on Wednesday, February 7, 2024, at 6:00 p.m. (MDT), at 320 East Newel Avenue, Hildale City, Utah 84784.

   The purpose of this hearing is to receive public comment concerning land use assumptions.

Appointments to Boards or Commissions:

Unfinished Council Business:

7. Update and status of the initiation of the process to create a special service district (10 minutes Mayor Jessop, CM Duthie, Economic Development Director Lawrence Barlow)

New Council Business:

8. Update on the Maxwell Park Project funding. (10 minutes Mayor Jessop, CM Duthie, and Director Barlow)

9. Update on the Dispatch Center/911 funding and operations improvements. (10 minutes Police Chief Radley)

10. Economic Development projects and updates (15 minutes Director Barlow)

Calendar of Upcoming Events: 5 minutes **-** Mayor Jessop

11. 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, January 10, 2024 at 6:00 PM
320 East Newel Avenue, Hildale City, Utah 84784

Minutes

Welcome, Introduction and Preliminary Matters:

Mayor Jessop called Meeting to order at 6:00p.m.

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

Roll Call of Council Attendees:

PRESENT
Mayor Donia Jessop
Council Member Luke Merideth
Council Member JVar Dutson
Council Member Terrill Musser
Council Member Darlene Stubbs
Council Member Brigham Holm

Staff

Eric Duthie, Sirrene Barlow, Shanae Eidenier, Jerry Postema, Sammie Cawley, Nathan Fischer, Rob Radley

Pledge of Allegiance:

Pledge lead by Council Member Merideth.

Conflict of Interest Disclosures:

None at this time.

Special Recognitions:

2. **Recognition of Council members Lawrence Barlow and Stacy Seay.**

   Mayor Jessop thanked Stacy Seay and Lawerence Barlow for serving as a Council Member over the years.

   Council Member Holm thanked the off going Council for their insight and asking the tough questions.

   Council Member Musser spoke gratitude for the the members and their service.

   Council Member Dutson thanked the off going Council for their love and support.

3. **Recognition of out-going Planning and Zoning Commissioners Nathaniel Fischer and Derick Holm.**

   Mayor Jessop thanked Derek Holm and Nthan Fischer for their years of service on the Planning and Zoning Committee.

4. **City Council Community Recognition and Appreciation Award**

Public Presentations: NONE

Approval of Minutes of Previous Meetings:

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

   Council Members reviewed the minutes.

   Motion made by Council Member Holm to approve Meeting Minutes for 8-2-2023 and 12-6-2023, Seconded by Council Member Dutson.
   Voting Yea: Council Member Merideth, Council Member Dutson, Council Member Musser, Council Member Stubbs, Council Member Holm
   Motion Carries

Public Comments:

No comments.

Council Comments: Council members for items not on the agenda.

Council Member Dutson would like to encourage the public to attend meetings and get involved.

Oversight Items:

6. **Financial Report and Invoice Register approval**

   City Manager Duthie reviewed the finances with the Council Members and answered any questions.

   Motion made by Council Member Dutson to pay bills and the funds become available, Seconded by Council Member Holm.
   Voting Yea: Council Member Merideth, Council Member Dutson, Council Member Musser, Council Member Stubbs, Council Member Holm
   Motion Carries

7. **City Managers report**

   City Manager Duthie discussed with Council projects happening with Utilities and referred to the packet for other department reports.

Public Hearing:

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

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

   Mayor Jessop opened Public Hearing at 7:18pm.
   Voting Yea: Council Member Merideth, Council Member Dutson, Council Member Musser, Council Member Stubbs, Council Member Holm

   City Manager Duthie and Utility Director Postema presented the water master plan. Looking at all the current growth.

   Jerod Nicole asked questions and brought up concerns.

   Lawrence Barlow brought up the history of impact fees sand the process and need for one.

   Motion made by Council Member Dutson to come out of public hearing at 7:30pm, Seconded by Council Member Musser.
   Voting Yea: Council Member Merideth, Council Member Dutson, Council Member Musser, Council Member Stubbs, Council Member Holm
   Motion Carries.

Appointments to Boards or Commissions:

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

   Thirkle Nielson and Jeromy Williams were sworn in as Planning and Zoning Board Members.

Unfinished Council Business: NONE

New Council Business:

10. **Consideration, discussion, and possible action concerning a request to rezone HD-SHCR-2-38, commonly addressed as 985 W. Field Ave from Rural Agriculture 1 (RA-1) to Residential Multifamily 2 (RM-2).**

    City Manager Duthie presented the application to the Council. Planning and Zoning Committee has recommended approval of this application.

    Council Members discussed the application.

    Motion made by Council Member Musser to approve rezone HD-SHCR-2-38, commonly addressed as 985 W. Field Ave from Rural Agriculture 1 (RA-1) to Residential Multifamily 2 (RM-2), Seconded by Council Member Holm.
    Voting Yea: Council Member Merideth, Council Member Dutson, Council Member Musser, Council Member Stubbs, Council Member Holm
    Motion Carries.

11. **Consideration, discussion,and possible action authorizing the initiation of the process to create a special service district.**

    City Manager Duthie presented the creation of a special district. Eric called on Lawerence Barlow to present this district and need to initiate this district.

    Mr. Barlow presented to the Council the requested funds for funding this special service district.

    Motion made by Council Member Holm to authorize the mayor and City Manager to initiate the process to create a special service district: and authorize up to 15,000 to fund the process, Seconded by Council Member Musser.
    Voting Yea: Council Member Merideth, Council Member Dutson, Council Member Musser, Council Member Stubbs, Council Member Holm
    Motion Carries.

Calendar of Upcoming Events:

12. January 2024 Calendar

Executive Session: As needed

Scheduling: As needed

Adjournment: Mayor Jessop

Mayor Jessop adjourned 8:10pm

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 7 MONTHS ENDING JANUARY 31, 2024

GENERAL FUND

		PERIOD ACTUAL	YTD ACTUAL	BUDGET	UNEXPENDED	PCNT
	TAXES					
11-31-100	PROPERTY TAX - CURRENT YEAR	94,264.98	94,264.98	115,017.00	20,752.02	82.0
11-31-200	PROP TAX - DELINQUENT PR YR	6,387.81	6,387.81	36,799.00	30,411.19	17.4
11-31-300	GENERAL SALES & USE TAX	90,908.90	90,908.90	190,000.00	99,091.10	47.9
11-31-301	RAP TAX	8,142.93	8,142.93	35,298.00	27,155.07	23.1
11-31-400	FRANCHISE TAX - ENERGY & USE	.00	.00	4,395.00	4,395.00	.0
11-31-401	ENERGY & USE TAX	34,852.03	34,852.03	83,868.00	49,015.97	41.6
11-31-402	TELECOM LICENSE TAX	2,461.96	2,461.96	5,732.00	3,270.04	43.0
11-31-403	TRANSIENT ROOM TAX	11,352.38	11,352.38	18,000.00	6,647.62	63.1
11-31-700	FEE-IN-LIEU TX - PERSONAL PROP	8,359.98	8,359.98	18,500.00	10,140.02	45.2
11-31-900	PNLTY & INT ON DELINQ TAXES	405.81	405.81	2,000.00	1,594.19	20.3
	TOTAL TAXES	257,136.78	257,136.78	509,609.00	252,472.22	50.5
	LICENSES AND PERMITS					
11-32-100	BUSINESS LICENSE FEES	5,475.00	5,475.00	10,000.00	4,525.00	54.8
11-32-200	BUILDING PERMITS	15,583.32	15,583.32	35,000.00	19,416.68	44.5
11-32-300	LAND USE FEE'S	6,788.50	6,788.50	10,000.00	3,211.50	67.9
	TOTAL LICENSES AND PERMITS	27,846.82	27,846.82	55,000.00	27,153.18	50.6
	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	27,860.53	27,860.53	80,000.00	52,139.47	34.8
11-33-565	HIGHWAY/TRANSIT TAX	8,312.42	8,312.42	36,174.00	27,861.58	23.0
11-33-580	LIQUOR FUND ALLOTMENT	.00	.00	3,000.00	3,000.00	.0
11-33-582	INNOVATION CENTER	.00	.00	539,155.00	539,155.00	.0
	TOTAL INTERGOVERNMENTAL REVENUE	36,172.95	36,172.95	1,575,663.00	1,539,490.05	2.3
	CHARGES FOR SERVICES					
11-34-120	GRAMA, COPYING, ETC.	4,578.72	4,578.72	3,000.00	(1,578.72)	152.6
11-34-252	SRO POLICE	.00	.00	30,000.00	30,000.00	.0
11-34-915	GARKANE SERVICES	.00	.00	1,167.00	1,167.00	.0
	TOTAL CHARGES FOR SERVICES	4,578.72	4,578.72	34,167.00	29,588.28	13.4

CITY OF HILDALE
REVENUES WITH COMPARISON TO BUDGET
FOR THE 7 MONTHS ENDING JANUARY 31, 2024

GENERAL FUND

		PERIOD ACTUAL	YTD ACTUAL	BUDGET	UNEXPENDED	PCNT
	FINES AND FORFEITURES					
11-35-110	COURT FINES	20,432.50	20,432.50	35,000.00	14,567.50	58.4
11-35-210	BAIL AND BOND FORFEITURE	.00	.00	1,000.00	1,000.00	.0
	TOTAL FINES AND FORFEITURES	20,432.50	20,432.50	36,000.00	15,567.50	56.8
	MISCELLANEOUS REVENUE					
11-36-100	INTEREST EARNINGS - GEN FUND	5,050.81	5,050.81	10,000.00	4,949.19	50.5
11-36-210	RENTAL - OFFICES IN CITY BLDG	.00	.00	12,000.00	12,000.00	.0
11-36-600	SUNDRY REVENUES	177.88	177.88	.00	(177.88)	.0
11-36-800	LOT LEASES	27,298.38	27,298.38	54,597.00	27,298.62	50.0
11-36-910	SUNDRY REV - GEN FUND	4,236.15	4,236.15	5,000.00	763.85	84.7
	TOTAL MISCELLANEOUS REVENUE	36,763.22	36,763.22	81,597.00	44,833.78	45.1
	CONTRIBUTIONS AND TRANSFERS					
11-38-248	EVENT FEES	(3,954.88)	(3,954.88)	10,000.00	13,954.88	(39.6)
11-38-920	APPROP - CAPITAL PROJECTS	.00	.00	208,476.00	208,476.00	.0
	TOTAL CONTRIBUTIONS AND TRANSFERS	(3,954.88)	(3,954.88)	218,476.00	222,430.88	(1.8)
	TOTAL FUND REVENUE	378,976.11	378,976.11	2,510,512.00	2,131,535.89	15.1

CITY OF HILDALE
EXPENDITURES WITH COMPARISON TO BUDGET
FOR THE 7 MONTHS ENDING JANUARY 31, 2024

GENERAL FUND

		PERIOD ACTUAL	YTD ACTUAL	BUDGET	UNEXPENDED	PCNT
	GEN GOVT ADMINISTRATION					
11-41-110	SALARIES-PERMANENT EMPLOYEES	78,302.45	78,302.45	56,698.00	(21,604.45)	138.1
11-41-111	SECRETARIAL STAFF	21,551.15	21,551.15	.00	(21,551.15)	.0
11-41-112	MAYOR	10,903.86	10,903.86	30,000.00	19,096.14	36.4
11-41-113	MANAGER	27,349.95	27,349.95	41,737.00	14,387.05	65.5
11-41-114	TREASURER	1,698.26	1,698.26	6,184.00	4,485.74	27.5
11-41-115	RECORDER	18,403.00	18,403.00	37,329.00	18,926.00	49.3
11-41-117	ATTORNEY	35,000.00	35,000.00	60,000.00	25,000.00	58.3
11-41-120	SALARIES-TEMPORARY EMPLOYEES	.00	.00	22,628.00	22,628.00	.0
11-41-130	PAYROLL TAXES	9,281.89	9,281.89	16,580.00	7,298.11	56.0
11-41-140	BENEFITS-OTHER	(14,479.93)	(14,479.93)	14,668.00	29,147.93	(98.7)
11-41-151	STIPENDS - CITY COUNCIL	2,450.00	2,450.00	6,860.00	4,410.00	35.7
11-41-152	STIPENDS - PLANNING COMMISSION	1,820.00	1,820.00	4,900.00	3,080.00	37.1
11-41-210	BOOKS, SUBSCR, & MEMBERSHIPS	20,452.25	20,452.25	5,000.00	(15,452.25)	409.1
11-41-230	TRAVEL & TRAINING	8,233.13	8,233.13	10,000.00	1,766.87	82.3
11-41-235	HEALTH & HYDRATION	1,352.62	1,352.62	3,000.00	1,647.38	45.1
11-41-240	OFFICE EXPENSE & SUPPLIES	2,779.45	2,779.45	3,000.00	220.55	92.7
11-41-241	COPIER & PRINTER	940.78	940.78	1,000.00	59.22	94.1
11-41-242	SERVICE FEES	3,033.86	3,033.86	1,000.00	(2,033.86)	303.4
11-41-244	PRINT & POSTAGE	4,680.35	4,680.35	4,600.00	(80.35)	101.8
11-41-250	EQUIPMENT SUPPLIES & MAINT	192.14	192.14	.00	(192.14)	.0
11-41-257	FUEL	1,636.36	1,636.36	4,000.00	2,363.64	40.9
11-41-271	MAINT & SUPPLY - BUILDING	2,842.74	2,842.74	7,000.00	4,157.26	40.6
11-41-272	MAINT & SUPPLY - IT	468.70	468.70	2,000.00	1,531.30	23.4
11-41-280	UTILITIES	531.67	531.67	4,000.00	3,468.33	13.3
11-41-285	POWER	764.84	764.84	4,000.00	3,235.16	19.1
11-41-287	TELEPHONE	6,400.01	6,400.01	9,000.00	2,599.99	71.1
11-41-310	PROFESSIONAL & TECHNICAL	13,202.47	13,202.47	20,000.00	6,797.53	66.0
11-41-311	ENGINEER	1,941.12	1,941.12	1,000.00	(941.12)	194.1
11-41-312	CONSULTANT	25,854.24	25,854.24	15,000.00	(10,854.24)	172.4
11-41-313	AUDITOR	6,930.00	6,930.00	20,000.00	13,070.00	34.7
11-41-315	INFORMATION TECHNOLOGY - SYSTE	.00	.00	3,000.00	3,000.00	.0
11-41-316	INFORMATION TECHNOLOGY - SERVI	8,138.79	8,138.79	3,000.00	(5,138.79)	271.3
11-41-317	INFORMATION TECHNOLOGY - CONS	.00	.00	3,000.00	3,000.00	.0
11-41-318	INFORMATION TECHNOLOGY - SOFTW	1,059.87	1,059.87	3,000.00	1,940.13	35.3
11-41-330	EDUCATION	120.00	120.00	3,000.00	2,880.00	4.0
11-41-350	ELECTIONS	976.50	976.50	.00	(976.50)	.0
11-41-510	INSURANCE	38,437.35	38,437.35	40,000.00	1,562.65	96.1
11-41-521	CREDIT CARD EXPENSE	793.13	793.13	1,500.00	706.87	52.9
11-41-720	BUILDINGS	16,510.00	16,510.00	3,000.00	(13,510.00)	550.3
11-41-743	EQUIPMENT - VEHICLE	1,043.13	1,043.13	20,000.00	18,956.87	5.2
11-41-785	INNOVATION CENTER	.00	.00	418,009.00	418,009.00	.0
	TOTAL GEN GOVT ADMINISTRATION	361,596.13	361,596.13	908,693.00	547,096.87	39.8

CITY OF HILDALE
EXPENDITURES WITH COMPARISON TO BUDGET
FOR THE 7 MONTHS ENDING JANUARY 31, 2024

GENERAL FUND

		PERIOD ACTUAL	YTD ACTUAL	BUDGET	UNEXPENDED	PCNT
	MUNICIPAL COURT					
11-42-110	SALARIES-PERMANENT EMPLOYEES	27,923.43	27,923.43	28,718.00	794.57	97.2
11-42-130	PAYROLL TAXES & BENEFITS	5,002.16	5,002.16	2,200.00	(2,802.16)	227.4
11-42-287	TELEPHONE	40.00	40.00	.00	(40.00)	.0
11-42-310	PROFESSIONAL & TECHNICAL	4,570.00	4,570.00	14,000.00	9,430.00	32.6
11-42-550	FINES, SURCHARGES - AOC	7,260.67	7,260.67	10,000.00	2,739.33	72.6
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	46,279.17	46,279.17	57,918.00	11,638.83	79.9
	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	34,236.15	34,236.15	147,059.00	112,822.85	23.3
11-44-980	INTRA-GOVT CHARGES	45,499.98	45,499.98	71,000.00	25,500.02	64.1
	TOTAL FIRE DEPARTMENT	79,736.13	79,736.13	218,059.00	138,322.87	36.6
	BUILDING DEPARTMENT					
11-45-110	SALARIES-PERMANENT EMPLOYEES	15,389.77	15,389.77	14,125.00	(1,264.77)	109.0
11-45-210	BOOKS, SUBSCR, & MEMBERSHIPS	375.00	375.00	200.00	(175.00)	187.5
11-45-330	EDUCATION	1,856.00	1,856.00	.00	(1,856.00)	.0
	TOTAL BUILDING DEPARTMENT	17,620.77	17,620.77	14,325.00	(3,295.77)	123.0
	PUBLIC SAFETY DISPATCH					
11-46-980	INTRA-GOVT CHARGES	47,570.00	47,570.00	112,952.00	65,382.00	42.1
	TOTAL PUBLIC SAFETY DISPATCH	47,570.00	47,570.00	112,952.00	65,382.00	42.1

CITY OF HILDALE
EXPENDITURES WITH COMPARISON TO BUDGET
FOR THE 7 MONTHS ENDING JANUARY 31, 2024

GENERAL FUND

		PERIOD ACTUAL	YTD ACTUAL	BUDGET	UNEXPENDED	PCNT
	PUBLIC WORKS - STREETS & ROADS					
11-47-110	SALARIES-PERMANENT EMPLOYEES	49,130.86	49,130.86	137,064.00	87,933.14	35.9
11-47-130	PAYROLL TAXES	4,295.09	4,295.09	12,534.00	8,238.91	34.3
11-47-140	BENEFITS-OTHER	.00	.00	11,087.00	11,087.00	.0
11-47-210	BOOKS, SUBSCR, & MEMBERSHIPS	370.00	370.00	500.00	130.00	74.0
11-47-250	EQUIPMENT SUPPLIES & MAINT	414.57	414.57	3,000.00	2,585.43	13.8
11-47-255	EQUIPMENT RENT OR LEASE	.00	.00	3,000.00	3,000.00	.0
11-47-257	FUEL	1,801.63	1,801.63	5,000.00	3,198.37	36.0
11-47-258	BULK OIL	.00	.00	2,000.00	2,000.00	.0
11-47-260	TOOLS & EQUIPMENT-NON CAPITAL	.00	.00	500.00	500.00	.0
11-47-272	MAINT & SUPPLY - OTHER	111.91	111.91	1,000.00	888.09	11.2
11-47-274	MAINT & SUPPLY EQUIPMENT	167.96	167.96	500.00	332.04	33.6
11-47-286	STREET LIGHTS	2,437.16	2,437.16	6,000.00	3,562.84	40.6
11-47-311	ENGINEER	446.00	446.00	.00	(446.00)	.0
11-47-330	EDUCATION	400.00	400.00	.00	(400.00)	.0
11-47-410	SPEC DEPT MATERIALS & SUPPLIES	406.60	406.60	232,674.00	232,267.40	.2
11-47-743	EQUIPMENT - VEHICLE	160.00	160.00	2,000.00	1,840.00	8.0
11-47-953	SAFE ROUTES TO SCHOOL	93,136.91	93,136.91	293,626.00	200,489.09	31.7
	TOTAL PUBLIC WORKS - STREETS & ROADS	153,278.69	153,278.69	710,485.00	557,206.31	21.6
	PUBLIC WORKS - PARKS					
11-48-110	SALARIES-PERMANENT EMPLOYEES	28,355.95	28,355.95	51,545.00	23,189.05	55.0
11-48-120	SALARIES-TEMPORARY EMPLOYEES	.00	.00	5,000.00	5,000.00	.0
11-48-130	PAYROLL TAXES	2,256.45	2,256.45	4,020.00	1,763.55	56.1
11-48-140	BENEFITS-OTHER	262.50	262.50	.00	(262.50)	.0
11-48-230	TRAVEL, MEETINGS, AND TRAINING	40.00	40.00	500.00	460.00	8.0
11-48-240	OFFICE EXPENSE & SUPPLIES	1,116.00	1,116.00	500.00	(616.00)	223.2
11-48-250	EQUIPMENT SUPPLIES & MAINT	1,228.93	1,228.93	5,298.00	4,069.07	23.2
11-48-257	FUEL	1,183.48	1,183.48	2,000.00	816.52	59.2
11-48-260	TOOLS & EQUIPMENT-NON CAPITAL	.00	.00	2,500.00	2,500.00	.0
11-48-272	MAINT & SUPPLY - OTHER	8,483.14	8,483.14	10,000.00	1,516.86	84.8
11-48-273	MAINT & SUPPLY - SYSTEM	443.55	443.55	.00	(443.55)	.0
11-48-274	MAINT & SUPPLY EQUIPMENT	.00	.00	2,000.00	2,000.00	.0
11-48-280	UTILITIES	1,773.50	1,773.50	5,000.00	3,226.50	35.5
11-48-285	POWER	1,029.63	1,029.63	4,000.00	2,970.37	25.7
11-48-287	TELEPHONE INET	2,690.71	2,690.71	2,500.00	(190.71)	107.6
11-48-410	SPECIAL PROJECT	122.72	122.72	10,000.00	9,877.28	1.2
	TOTAL PUBLIC WORKS - PARKS	48,986.56	48,986.56	104,863.00	55,876.44	46.7
	COMMUNITY OUTREACH DEPARTMENT					
11-49-250	EQUIPMENT SUPPLIES & MAINT	99.99	99.99	1,000.00	900.01	10.0
11-49-274	EQUIPMENT PURCHASE	584.20	584.20	1,000.00	415.80	58.4
11-49-410	SPECIAL PROJECT	7,384.65	7,384.65	.00	(7,384.65)	.0
	TOTAL COMMUNITY OUTREACH DEPARTME	8,068.84	8,068.84	2,000.00	(6,068.84)	403.4

CITY OF HILDALE
EXPENDITURES WITH COMPARISON TO BUDGET
FOR THE 7 MONTHS ENDING JANUARY 31, 2024

GENERAL FUND

	PERIOD ACTUAL	YTD ACTUAL	BUDGET	UNEXPENDED	PCNT
TOTAL FUND EXPENDITURES	934,895.54	934,895.54	2,510,512.00	1,575,616.46	37.2
NET REVENUE OVER EXPENDITURES	(555,919.43)	(555,919.43)	.00	555,919.43	.0

CITY OF HILDALE
EXPENDITURES WITH COMPARISON TO BUDGET
FOR THE 7 MONTHS ENDING JANUARY 31, 2024

GF DEBT SERVICE

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

CITY OF HILDALE
REVENUES WITH COMPARISON TO BUDGET
FOR THE 7 MONTHS ENDING JANUARY 31, 2024

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
41-33-801	LIQUOR FUND ALLOTMENT	2,135.67	2,135.67	.00	(2,135.67)	.0
	TOTAL INTERGOVERNMENTAL REVENUE	429,113.42	429,113.42	.00	(429,113.42)	.0
	TOTAL FUND REVENUE	429,113.42	429,113.42	.00	(429,113.42)	.0

CITY OF HILDALE
EXPENDITURES WITH COMPARISON TO BUDGET
FOR THE 7 MONTHS ENDING JANUARY 31, 2024

HILDALE CITY GRANTS

		PERIOD ACTUAL	YTD ACTUAL	BUDGET	UNEXPENDED	PCNT
	GF ADMIN GRANTS/LOANS/ALLOT					
41-41-790	INNOVATION CENTER - GRANT EXP	47,866.65	47,866.65	.00	(47,866.65)	.0
	TOTAL GF ADMIN GRANTS/LOANS/ALLOT	47,866.65	47,866.65	.00	(47,866.65)	.0
	TOTAL FUND EXPENDITURES	47,866.65	47,866.65	.00	(47,866.65)	.0
	NET REVENUE OVER EXPENDITURES	381,246.77	381,246.77	.00	(381,246.77)	.0

CITY OF HILDALE
REVENUES WITH COMPARISON TO BUDGET
FOR THE 7 MONTHS ENDING JANUARY 31, 2024

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 7 MONTHS ENDING JANUARY 31, 2024

2017 JUDGMENT RESOLUTION FUND

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

CITY OF HILDALE
REVENUES WITH COMPARISON TO BUDGET
FOR THE 7 MONTHS ENDING JANUARY 31, 2024

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	12,000.00	12,000.00	20,000.00	8,000.00	60.0
65-38-915	GARKANE SERVICES	.00	.00	12,000.00	12,000.00	.0
	TOTAL REVENUES	12,000.00	12,000.00	1,696,304.00	1,684,304.00	.7
	TOTAL FUND REVENUE	12,000.00	12,000.00	1,696,304.00	1,684,304.00	.7

CITY OF HILDALE
EXPENDITURES WITH COMPARISON TO BUDGET
FOR THE 7 MONTHS ENDING JANUARY 31, 2024

JOINT ADMINISTRATION FUND

		PERIOD ACTUAL	YTD ACTUAL	BUDGET	UNEXPENDED	PCNT
	EXPENDITURES					
65-41-110	SALARIES-PERMANENT EMPLOYEES	245,048.53	245,048.53	757,994.00	512,945.47	32.3
65-41-113	MANAGER	12,623.10	12,623.10	97,388.00	84,764.90	13.0
65-41-114	TREASURER	23,280.34	23,280.34	55,654.00	32,373.66	41.8
65-41-115	RECORDER	12,379.00	12,379.00	37,330.00	24,951.00	33.2
65-41-120	SALARIES-TEMPORARY EMPLOYEES	17,494.42	17,494.42	103,024.00	85,529.58	17.0
65-41-130	PAYROLL TAXES	21,055.97	21,055.97	81,600.00	60,544.03	25.8
65-41-140	BENEFITS-OTHER	47,057.37	47,057.37	123,900.00	76,842.63	38.0
65-41-144	PRINT AND POSTAGE	5,189.47	5,189.47	20,000.00	14,810.53	26.0
65-41-145	AUDITOR	41,244.00	41,244.00	20,000.00	(21,244.00)	206.2
65-41-150	STIPENDS - UTILITY BOARD	1,400.00	1,400.00	3,000.00	1,600.00	46.7
65-41-160	MERCHANT PROCESSING	.00	.00	1,000.00	1,000.00	.0
65-41-210	BOOKS, SUBSCR, & MEMBERSHIPS	1,896.81	1,896.81	4,200.00	2,303.19	45.2
65-41-230	TRAVEL	1,090.41	1,090.41	3,000.00	1,909.59	36.4
65-41-235	FOOD & REFRESHMENT	1,625.41	1,625.41	3,000.00	1,374.59	54.2
65-41-240	OFFICE EXPENSE & SUPPLIES	557.07	557.07	3,000.00	2,442.93	18.6
65-41-242	SERVICE FEES	3,033.85	3,033.85	1,000.00	(2,033.85)	303.4
65-41-250	EQUIPMENT SUPPLIES & MAINT	31,931.91	31,931.91	13,500.00	(18,431.91)	236.5
65-41-257	FUEL	16,236.30	16,236.30	39,700.00	23,463.70	40.9
65-41-260	TOOLS & EQUIPMENT-NON CAPITAL	7,764.06	7,764.06	10,000.00	2,235.94	77.6
65-41-271	MAINT & SUPPLY - OFFICE	2,844.57	2,844.57	5,000.00	2,155.43	56.9
65-41-280	UTILITIES	3,900.69	3,900.69	23,514.00	19,613.31	16.6
65-41-285	POWER	4,559.47	4,559.47	27,000.00	22,440.53	16.9
65-41-287	TELEPHONE	6,886.84	6,886.84	12,000.00	5,113.16	57.4
65-41-310	PROFESSIONAL & TECHNICAL	39,722.60	39,722.60	40,000.00	277.40	99.3
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	32,904.87	32,904.87	27,000.00	(5,904.87)	121.9
65-41-319	INFORMATION TECHNOLOGY - SYSTE	.00	.00	10,000.00	10,000.00	.0
65-41-330	EDUCATION	414.40	414.40	10,000.00	9,585.60	4.1
65-41-510	INSURANCE	101,097.75	101,097.75	85,500.00	(15,597.75)	118.2
65-41-521	CREDIT CARD EXPENSE	7,235.41	7,235.41	.00	(7,235.41)	.0
65-41-580	RENT OR LEASE	4,107.19	4,107.19	10,000.00	5,892.81	41.1
65-41-620	MISC. SERVICES	12,655.76	12,655.76	.00	(12,655.76)	.0
65-41-720	BUILDINGS	450.00	450.00	3,000.00	2,550.00	15.0
65-41-741	EQUIPMENT - OFFICE	485.29	485.29	5,000.00	4,514.71	9.7
65-41-850	DEBT SERVICE - VEHICLE & EQUIP	9,461.89	9,461.89	11,000.00	1,538.11	86.0
	TOTAL EXPENDITURES	731,704.75	731,704.75	1,696,304.00	964,599.25	43.1
	TOTAL FUND EXPENDITURES	731,704.75	731,704.75	1,696,304.00	964,599.25	43.1
	NET REVENUE OVER EXPENDITURES	(719,704.75)	(719,704.75)	.00	719,704.75	.0

CITY OF HILDALE
REVENUES WITH COMPARISON TO BUDGET
FOR THE 7 MONTHS ENDING JANUARY 31, 2024

WATER FUND

		PERIOD ACTUAL	YTD ACTUAL	BUDGET	UNEXPENDED	PCNT
	OPERATING REVENUES					
81-37-111	WATER SALES - METERED	215,851.90	215,851.90	495,930.00	280,078.10	43.5
81-37-121	WATER SALES - FLAT RATE	230,590.85	230,590.85	459,870.00	229,279.15	50.1
81-37-160	CONSTRUCTION REVENUE	.00	.00	5,000.00	5,000.00	.0
81-37-331	CONNECTION CHARGES	19,955.00	19,955.00	40,000.00	20,045.00	49.9
81-37-332	CONSTRUCTION & REPAIR	525.60	525.60	89,600.00	89,074.40	.6
81-37-351	SUNDRY OPERATING REVENUE	.00	.00	20,000.00	20,000.00	.0
81-37-411	INTEREST	24,486.29	24,486.29	22,000.00	(2,486.29)	111.3
81-37-412	PENALTIES	21,077.13	21,077.13	60,000.00	38,922.87	35.1
	TOTAL OPERATING REVENUES	512,486.77	512,486.77	1,192,400.00	679,913.23	43.0
	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	512,486.77	512,486.77	2,202,400.00	1,689,913.23	23.3

CITY OF HILDALE
EXPENDITURES WITH COMPARISON TO BUDGET
FOR THE 7 MONTHS ENDING JANUARY 31, 2024

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	93,282.69	93,282.69	177,700.00	84,417.31	52.5
81-41-285	POWER	69,502.07	69,502.07	20,800.00	(48,702.07)	334.1
81-41-311	ENGINEER	33,655.00	33,655.00	40,100.00	6,445.00	83.9
81-41-314	LABORATORY & TESTING	3,915.47	3,915.47	12,500.00	8,584.53	31.3
81-41-315	LEGAL - GENERAL	.00	.00	1,300.00	1,300.00	.0
81-41-330	EDUCATION	1,780.00	1,780.00	3,500.00	1,720.00	50.9
81-41-340	SYSTEM CONSTRUCTION SERVICES	22,357.01	22,357.01	33,830.00	11,472.99	66.1
81-41-341	CONST-CUSTOMER'S INSTALLATION	3,709.13	3,709.13	5,000.00	1,290.87	74.2
81-41-432	SPECIAL DEPT SUPPLIES	19,675.91	19,675.91	23,000.00	3,324.09	85.6
	TOTAL OPERATING EXPENDITURES	248,516.66	248,516.66	342,130.00	93,613.34	72.6
	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	173.09	173.09	460,000.00	459,826.91	.0
81-42-780	RESERVE PURCHASES	113,364.00	113,364.00	150,000.00	36,636.00	75.6
81-42-815	PRINC. & INT W.RIGHTS LOAN	.00	.00	61,300.00	61,300.00	.0
81-42-911	TRANSFERS TO JOINT ADMIN FUND	.00	.00	717,270.00	717,270.00	.0
81-42-912	TRANSFERS TO LITIGATION	.00	.00	12,000.00	12,000.00	.0
81-42-914	TRANSFERS TO 2017 JMT RES FUND	.00	.00	8,000.00	8,000.00	.0
81-42-960	TRANSFERS TO RESERVE FUNDS	.00	.00	36,700.00	36,700.00	.0
81-42-999	CONTINGENCY	.00	.00	400,000.00	400,000.00	.0
	TOTAL NON-OPERATING EXPENDITURES	113,537.09	113,537.09	1,860,270.00	1,746,732.91	6.1
	TOTAL FUND EXPENDITURES	362,053.75	362,053.75	2,202,400.00	1,840,346.25	16.4
	NET REVENUE OVER EXPENDITURES	150,433.02	150,433.02	.00	(150,433.02)	.0

CITY OF HILDALE
REVENUES WITH COMPARISON TO BUDGET
FOR THE 7 MONTHS ENDING JANUARY 31, 2024

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	420,976.12	420,976.12	804,470.00	383,493.88	52.3
82-37-312	SERVICE CHARGES - CPMCWID	96,465.92	96,465.92	196,000.00	99,534.08	49.2
82-37-331	CONNECTION CHARGES	.00	.00	11,530.00	11,530.00	.0
82-37-332	SERVICING CUSTOMER INSTALL	3,515.00	3,515.00	10,000.00	6,485.00	35.2
82-37-411	INTEREST	35,141.33	35,141.33	30,000.00	(5,141.33)	117.1
82-37-451	IMPACT FEE	21,000.00	21,000.00	600,000.00	579,000.00	3.5
82-37-452	IMPACT FEE - CPMCWID	610,925.00	610,925.00	48,500.00	(562,425.00)	1259.6
	TOTAL OPERATING REVENUES	1,188,023.37	1,188,023.37	1,710,500.00	522,476.63	69.5
	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	SUNDRY NON-OPERATING REVENUE	.00	.00	1,000.00	1,000.00	.0
82-38-999	CONTINGENCY	.00	.00	400,000.00	400,000.00	.0
	TOTAL NON-OPERATING REVENUES	.00	.00	1,021,000.00	1,021,000.00	.0
	TOTAL FUND REVENUE	1,188,023.37	1,188,023.37	2,731,500.00	1,543,476.63	43.5

CITY OF HILDALE
EXPENDITURES WITH COMPARISON TO BUDGET
FOR THE 7 MONTHS ENDING JANUARY 31, 2024

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	2,164.56	2,164.56	5,400.00	3,235.44	40.1
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	29.92	29.92	71,670.00	71,640.08	.0
82-41-285	POWER	35,363.31	35,363.31	38,000.00	2,636.69	93.1
82-41-311	ENGINEER	4,793.25	4,793.25	58,000.00	53,206.75	8.3
82-41-314	LABORATORY & TESTING	.00	.00	3,000.00	3,000.00	.0
82-41-315	LEGAL - GENERAL	.00	.00	2,500.00	2,500.00	.0
82-41-330	EDUCATION	550.00	550.00	5,300.00	4,750.00	10.4
82-41-340	SYSTEM CONSTRUCTION SERVICES	185,000.04	185,000.04	540,000.00	354,999.96	34.3
82-41-341	CONST-CUSTOMER'S INSTALLATION	.00	.00	10,000.00	10,000.00	.0
	TOTAL OPERATING EXPENDITURES	235,303.32	235,303.32	883,370.00	648,066.68	26.6
	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	123,413.66	123,413.66	.00	(123,413.66)	.0
82-42-780	RESERVE PURCHASES	.00	.00	230,000.00	230,000.00	.0
82-42-812	PRINCIPAL ON BONDS - RDA B	.00	.00	35,000.00	35,000.00	.0
82-42-822	INTEREST ON BONDS - RDA - B	20,163.22	20,163.22	40,000.00	19,836.78	50.4
82-42-911	TRANSFERS TO JOINT ADMIN FUND	.00	.00	925,730.00	925,730.00	.0
82-42-912	TRANSFERS TO LITIGATION	.00	.00	12,000.00	12,000.00	.0
82-42-914	TRANSFERS TO 2017 JMT RES FUND	.00	.00	8,000.00	8,000.00	.0
82-42-960	TRANSFERS TO RESERVE FUNDS	.00	.00	134,400.00	134,400.00	.0
82-42-990	APPROPRIATION FOR FUND BALANCE	.00	.00	130,000.00	130,000.00	.0
82-42-999	CONTINGENCY	.00	.00	163,000.00	163,000.00	.0
	TOTAL NON-OPERATING EXPENSES	143,576.88	143,576.88	1,848,130.00	1,704,553.12	7.8
	TOTAL FUND EXPENDITURES	378,880.20	378,880.20	2,731,500.00	2,352,619.80	13.9
	NET REVENUE OVER EXPENDITURES	809,143.17	809,143.17	.00	(809,143.17)	.0

CITY OF HILDALE
REVENUES WITH COMPARISON TO BUDGET
FOR THE 7 MONTHS ENDING JANUARY 31, 2024

GAS FUND

		PERIOD ACTUAL	YTD ACTUAL	BUDGET	UNEXPENDED	PCNT
	OPERATING REVENUES					
84-37-111	GAS SALES - METERED NAT GAS	172,440.59	172,440.59	800,000.00	627,559.41	21.6
84-37-112	GAS SALES - METERED PROPANE	108,827.91	108,827.91	796,069.00	687,241.09	13.7
84-37-113	GAS SALES - CYLINDER	2,407.53	2,407.53	8,700.00	6,292.47	27.7
84-37-114	GAS SALES - CYLINDER EXCHANGE	481.82	481.82	3,700.00	3,218.18	13.0
84-37-121	NATURAL GAS SALES - FLAT RATE	18,798.07	18,798.07	38,000.00	19,201.93	49.5
84-37-122	PROPANE GAS - FLAT RATE	24,463.83	24,463.83	64,000.00	39,536.17	38.2
84-37-160	CONSTRUCTION REVENUE	20,510.53	20,510.53	100,000.00	79,489.47	20.5
84-37-331	CONNECTION CHARGES	1,765.00	1,765.00	8,000.00	6,235.00	22.1
84-37-351	SUNDRY OPERATING REVENUE	.00	.00	47,000.00	47,000.00	.0
84-37-411	INTEREST	23,369.54	23,369.54	25,000.00	1,630.46	93.5
84-37-412	PENALTIES	5,931.60	5,931.60	19,000.00	13,068.40	31.2
	TOTAL OPERATING REVENUES	378,996.42	378,996.42	1,909,469.00	1,530,472.58	19.9
	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	378,996.42	378,996.42	2,734,499.00	2,355,502.58	13.9

CITY OF HILDALE
EXPENDITURES WITH COMPARISON TO BUDGET
FOR THE 7 MONTHS ENDING JANUARY 31, 2024

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	1,340.36	1,340.36	3,500.00	2,159.64	38.3
84-41-260	TOOLS & EQUIPMENT-NON CAPITAL	.00	.00	8,000.00	8,000.00	.0
84-41-273	MAINT & SUPPLY SYSTEM	30,959.49	30,959.49	64,500.00	33,540.51	48.0
84-41-280	UTILITIES	89.32	89.32	.00	(89.32)	.0
84-41-285	POWER	433.44	433.44	2,000.00	1,566.56	21.7
84-41-311	ENGINEER	.00	.00	2,000.00	2,000.00	.0
84-41-315	LEGAL - GENERAL	.00	.00	2,000.00	2,000.00	.0
84-41-330	EDUCATION	3,606.90	3,606.90	6,200.00	2,593.10	58.2
84-41-340	SYSTEM CONSTRUCTION SERVICES	11,425.53	11,425.53	13,600.00	2,174.47	84.0
84-41-341	CONST-CUSTOMER'S INSTALLATION	1,190.01	1,190.01	40,000.00	38,809.99	3.0
84-41-431	NATURAL GAS COMMODITY SUPPLY	114,356.77	114,356.77	561,100.00	446,743.23	20.4
84-41-432	PROPANE GAS COMMODITY SUPPLY	69,159.22	69,159.22	626,500.00	557,340.78	11.0
84-41-434	NAT GAS COMMODITY TRANSPORT	39,415.55	39,415.55	27,700.00	(11,715.55)	142.3
84-41-510	INSURANCE	15,411.30	15,411.30	.00	(15,411.30)	.0
84-41-580	RENT OR LEASE	500.00	500.00	4,900.00	4,400.00	10.2
84-41-610	MISC. SUPPLIES	.00	.00	5,000.00	5,000.00	.0
	TOTAL OPERATING EXPENDITURES	288,765.11	288,765.11	1,382,500.00	1,093,734.89	20.9
	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	288,765.11	288,765.11	2,734,499.00	2,445,733.89	10.6
	NET REVENUE OVER EXPENDITURES	90,231.31	90,231.31	.00	(90,231.31)	.0

CITY OF HILDALE
REVENUES WITH COMPARISON TO BUDGET
FOR THE 7 MONTHS ENDING JANUARY 31, 2024

90 FUND HILDALE CITY FIBER DEP

		PERIOD ACTUAL	YTD ACTUAL	BUDGET	UNEXPENDED	PCNT
	OPERATING REVENUES					
90-37-111	FIBER SALES	2,776.14	2,776.14	.00	(2,776.14)	.0
90-37-412	PENALTIES	19.40	19.40	.00	(19.40)	.0
	TOTAL OPERATING REVENUES	2,795.54	2,795.54	.00	(2,795.54)	.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	2,795.54	2,795.54	125,113.00	122,317.46	2.2

CITY OF HILDALE
EXPENDITURES WITH COMPARISON TO BUDGET
FOR THE 7 MONTHS ENDING JANUARY 31, 2024

90 FUND HILDALE CITY FIBER DEP

		PERIOD ACTUAL	YTD ACTUAL	BUDGET	UNEXPENDED	PCNT
	OPERATING EXPENDITURES					
90-41-580	RENT OR LEASE	700.00	700.00	.00	(700.00)	.0
	TOTAL OPERATING EXPENDITURES	700.00	700.00	.00	(700.00)	.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	700.00	700.00	125,113.00	124,413.00	.6
	NET REVENUE OVER EXPENDITURES	2,095.54	2,095.54	.00	(2,095.54)	.0

Invoice	Seq	Type	Description	Invoice Date	Due Date	Total Cost	GL Activity	Period	GL Account
1155 ARIZONA STRIP LANDFILL CORP									
COLL 1222	1	Invoice	LANDFILL SERVICES	12/31/2022	01/30/2023	40,335.44	0	01/23	11-21312
Total 1155 ARIZONA STRIP LANDFILL CORP:						40,335.44			
1430 CASELLE, INC.									
121794	1	Invoice	MONTHLY CONTRACT FOR FEB 23 90% UTILITIES	01/01/2023	01/31/2023	987.30	0	01/23	65-41-318
121794	2	Invoice	MONTHLY CONTRACT FOR FEB 23 10% ADMIN	01/01/2023	01/31/2023	109.70	0	01/23	11-41-318
Total 1430 CASELLE, INC.:						1,097.00			
1580 COLORADO CITY FIRE DEPARTMENT									
CCFD1232	1	Invoice	FIRE DEPT IGA OCT, NOV, DEC 2022	12/31/2022	01/15/2023	22,749.99	0	12/22	11-44-980
CCFD915	1	Invoice	FIRE DEPT IGA JUL, AUG, SEPT 2022	09/15/2022	09/30/2022	22,749.99	0	12/22	11-44-980
Total 1580 COLORADO CITY FIRE DEPARTMENT:						45,499.98			
1632 BLUE STAKES OF UTAH, INC.									
UT20220363	1	Invoice	BLUE STAKING	12/31/2022	01/30/2023	44.10	0	01/23	65-41-310
Total 1632 BLUE STAKES OF UTAH, INC.:						44.10			
1740 WASTEWATER OPERATOR CERT.									
221129 WES	1	Invoice	Wastewater certification renewal - Weston	11/29/2022	12/29/2022	100.00	0	11/22	82-41-210
Total 1740 WASTEWATER OPERATOR CERT.:						100.00			
2160 HILDALE CITY									
NAT 1022	1	Invoice	NATURAL GAS ENERGY AND USE TAX	11/10/2022	11/25/2022	1,135.63	0	11/22	84-21376
NAT 1122	1	Invoice	NATURAL GAS ENERGY AND USE TAX	12/09/2022	12/24/2022	3,192.37	0	12/22	84-21376
NAT 1222	1	Invoice	NATURAL GAS ENERGY AND USE TAX	12/31/2022	01/15/2023	4,395.90	0	12/22	84-21376
Total 2160 HILDALE CITY:						8,723.90			
2170 HILDALE CITY UTILITIES									
3180001 DE	1	Invoice	Lab Shop Utilities	01/10/2023	01/25/2023	1,611.98	0	01/23	65-41-280
6077001 122	1	Invoice	CITY HALL UTILITIES - 33% Admin - Split Distribution	01/10/2023	01/25/2023	414.00	0	01/23	11-41-280
6077001 122	2	Invoice	CITY HALL UTILITIES - 67% Utilities - Split Distribution	01/10/2023	01/25/2023	840.56	0	01/23	65-41-280
6217001 122	1	Invoice	MAXWELL PARK UTILITIES	01/10/2023	01/25/2023	651.10	0	01/23	11-48-280
6231904 122	1	Invoice	MULBERRY ST BUILDING UTILITIES	01/10/2023	01/25/2023	837.70	0	01/23	11-41-280
7011201 122	1	Invoice	Propane VAPORIZER GAS SERVICE	01/17/2023	02/01/2023	120.82	0	01/23	84-41-280
Total 2170 HILDALE CITY UTILITIES:						4,476.16			
2220 HOME DEPOT									
1625534	1	Invoice	LIGHT BULB	12/29/2022	01/28/2023	17.90	0	12/22	65-41-271
3624475	1	Invoice	RATCHET SET	11/30/2022	12/30/2022	222.00	0	12/22	65-41-260
4525388	1	Invoice	BLACK TOP LOAD WATER	12/29/2022	01/28/2023	184.13	0	12/22	11-48-272
7020420	1	Invoice	PAINT SUPPLIES	11/16/2022	12/16/2022	1,387.18	0	12/22	84-41-273
7614196	1	Invoice	CAR CLEANERS	12/29/2022	01/28/2023	64.09	0	12/22	65-41-250
8022005	1	Invoice	TIE-DOWNS	12/29/2022	01/28/2023	150.39	0	12/22	65-41-250

Invoice	Seq	Type	Description	Invoice Date	Due Date	Total Cost	GL Activity	Period	GL Account
Total 2220 HOME DEPOT:						2,025.69			
2671 LES OLSON COMPANY									
EA1220371	1	Invoice	MAINTENANCE CONTRACT - 75% UTILITIES	12/14/2022	01/13/2023	383.14	0	12/22	65-41-144
EA1220371	2	Invoice	MAINTENANCE CONTRACT - 25% ADMIN	12/14/2022	01/13/2023	127.71	0	12/22	11-41-241
Total 2671 LES OLSON COMPANY:						510.85			
2892 MOUNTAINLAND SUPPLY CO.									
S105073439.	1	Invoice	METER BOX LIDS & RINGS	12/22/2022	01/01/2023	200.00	0	12/22	81-41-273
S104857342.	1	Invoice	sewer pipe	12/31/2022	01/30/2023	5,521.47	0	01/23	82-41-340
S105082345.	1	Invoice	SERVICE CHARGE	11/30/2022	12/10/2022	82.82	0	01/23	65-41-242
S105132320.	1	Invoice	SERVICE CHARGE	12/31/2022	01/10/2023	82.82	0	01/23	65-41-242
Total 2892 MOUNTAINLAND SUPPLY CO.:						5,887.11			
3450 SCHOLZEN PRODUCTS COMPANY, INC.									
1024518-00	1	Invoice	Chlorine	12/29/2022	01/28/2023	2,233.00	0	12/22	81-41-432
6710193-00	1	Invoice	GAS BALL VALVES	12/23/2022	01/22/2023	171.84	0	12/22	84-41-273
6710733-00	1	Invoice	C900 PVC pipe	12/28/2022	01/27/2023	3,860.00	0	12/22	81-41-273
6708463-00	1	Invoice	FITTINGS	12/15/2022	01/14/2023	103.70	0	01/23	84-41-273
6711330	1	Invoice	SUCTION HOSE	12/30/2022	01/29/2023	416.40	0	01/23	82-41-273
6711549-00	1	Invoice	FITTINGS	01/03/2023	02/02/2023	270.37	0	01/23	84-41-273
6711553-00	1	Invoice	GAUGES, BOLTS	01/03/2023	02/02/2023	160.48	0	01/23	84-41-273
6711558-00	1	Invoice	BLACK IRON FITTINGS	01/04/2023	02/03/2023	785.40	0	01/23	84-41-273
Total 3450 SCHOLZEN PRODUCTS COMPANY, INC.:						8,001.19			
3560 SOUTH CENTRAL COMMUNICATIONS									
16343900 01	1	Invoice	MAXWELL INTERNET	01/01/2023	01/16/2023	211.14	0	01/23	11-48-287
163443900 1	1	Invoice	MAXWELL INTERNET	12/01/2022	12/16/2022	210.74	0	12/22	11-48-287
8277200 012	1	Invoice	POLICE PHONE LINE	01/01/2023	01/16/2023	57.80	0	01/23	11-41-287
8277200 122	1	Invoice	POLICE PHONE LINE	12/01/2022	12/16/2022	57.35	0	12/22	11-41-287
8297800 012	1	Invoice	CITY HALL PHONES & FAX LINES - 33% ADMIN - Split Distribution	01/01/2023	01/16/2023	66.75	0	01/23	11-41-287
8297800 012	2	Invoice	CITY HALL PHONES & FAX LINES - 67% UTILITIES - Split Distribution	01/01/2023	01/16/2023	135.51	0	01/23	65-41-287
8297800 122	1	Invoice	CITY HALL PHONES & FAX LINES - 33% ADMIN - Split Distribution	12/01/2022	12/16/2022	66.02	0	12/22	11-41-287
8297800 122	2	Invoice	CITY HALL PHONES & FAX LINES - 67% UTILITIES - Split Distribution	12/01/2022	12/16/2022	134.05	0	12/22	65-41-287
8362600 012	1	Invoice	Hildale City Police Phone	01/01/2023	01/16/2023	21.14	0	01/23	11-43-287
8362600 122	1	Invoice	Hildale City Police Phone	12/01/2022	12/16/2022	21.14	0	12/22	11-43-287
9592500 012	1	Invoice	PRI Phone Account - 33% Admin	01/01/2023	01/16/2023	176.23	0	01/23	11-41-287
9592500 012	2	Invoice	PRI Phone Account - 67% Utilities	01/01/2023	01/16/2023	357.79	0	01/23	65-41-287
9592500 122	1	Invoice	PRI Phone Account - 33% Admin	12/01/2022	12/16/2022	175.19	0	12/22	11-41-287
9592500 122	2	Invoice	PRI Phone Account - 67% Utilities	12/01/2022	12/16/2022	355.70	0	12/22	65-41-287
Total 3560 SOUTH CENTRAL COMMUNICATIONS:						2,046.55			
3740 SUNRISE ENGINEERING, INC.									
129058	1	Invoice	HEADWORKS REBUILD	10/12/2022	11/11/2022	9,266.00	0	10/22	82-41-311

Invoice	Seq	Type	Description	Invoice Date	Due Date	Total Cost	GL Activity	Period	GL Account
130430	1	Invoice	HEADWORKS REBUILD	12/19/2022	01/18/2023	1,653.00	0	12/22	82-41-311
Total 3740 SUNRISE ENGINEERING, INC.:						10,919.00			
3930 TOWN OF COLORADO CITY									
10018	1	Invoice	GASOLINE USED FROM PW - ADMIN	11/02/2022	11/17/2022	30.75	0	11/22	11-41-257
10018	2	Invoice	GASOLINE USED FROM PW - PARKS	11/02/2022	11/17/2022	196.64	0	11/22	11-48-257
10018	3	Invoice	GASOLINE USED FROM PW - PROPANE TRUCK	11/02/2022	11/17/2022	299.36	0	11/22	84-41-257
10018	4	Invoice	GASOLINE USED FROM PW - STREETS	11/02/2022	11/17/2022	101.22	0	11/22	11-47-257
10018	5	Invoice	GASOLINE USED FROM PW - VAC TRUCK	11/02/2022	11/17/2022	201.89	0	11/22	82-41-257
10018	6	Invoice	GASOLINE USED FROM PW - UTLILITIES	11/02/2022	11/17/2022	2,829.96	0	11/22	65-41-257
10018	7	Invoice	ADMIN FEE 50% SPLIT	11/02/2022	11/17/2022	36.60	0	11/22	11-41-257
10018	8	Invoice	ADMIN FEE 50% SPLIT	11/02/2022	11/17/2022	36.60	0	11/22	65-41-257
10036	1	Invoice	GENERAL PROFESSIONAL LIABILITY	11/01/2022	11/16/2022	2,155.34	0	11/22	84-41-510
10036	2	Invoice	RISK MANAGEMENT FUND	11/01/2022	11/16/2022	658.82	0	11/22	65-41-510
10036	3	Invoice	TUITION REIMBURSEMENT	11/01/2022	11/16/2022	658.82	0	11/22	65-41-140
10036	4	Invoice	PROPANE CARGO	11/01/2022	11/16/2022	402.08	0	11/22	84-41-510
10056	1	Invoice	GASOLINE USED FROM PW - ADMIN	12/01/2022	12/16/2022	64.92	0	12/22	11-41-257
10056	2	Invoice	GASOLINE USED FROM PW - PARKS	12/01/2022	12/16/2022	94.42	0	12/22	11-48-257
10056	3	Invoice	GASOLINE USED FROM PW - STREETS	12/01/2022	12/16/2022	413.87	0	12/22	11-47-257
10056	4	Invoice	GASOLINE USED FROM PW - PROPANE TRUCK	12/01/2022	12/16/2022	360.00	0	12/22	84-41-257
10056	5	Invoice	GASOLINE USED FROM PW - VAC TRUCK	12/01/2022	12/16/2022	290.81	0	12/22	82-41-257
10056	6	Invoice	GASOLINE USED FROM PW - UTLILITIES	12/01/2022	12/16/2022	2,637.03	0	12/22	65-41-257
10056	7	Invoice	ADMIN FEE 50% SPLIT	12/01/2022	12/16/2022	38.61	0	12/22	11-41-257
10056	8	Invoice	ADMIN FEE 50% SPLIT	12/01/2022	12/16/2022	38.61	0	12/22	65-41-257
10090	1	Invoice	IT CONSULTING - ANC DEC 2022	12/28/2022	01/12/2023	508.89	0	12/22	65-41-317
10090	2	Invoice	IT CONSULTING - ANC DEC 2022	12/28/2022	01/12/2023	56.54	0	12/22	11-41-317
PROST 1122	1	Invoice	AZ SALES TAX PROPANE	11/30/2022	12/15/2022	6,634.61	0	11/22	84-21371
WAT1122	1	Invoice	AZ SALES TAX WATER	11/30/2022	12/15/2022	893.02	0	11/22	81-21371
10095	1	Invoice	GASOLINE USED FROM PW - ADMIN	01/04/2023	01/19/2023	169.06	0	01/23	11-41-257
10095	2	Invoice	GASOLINE USED FROM PW - PARKS	01/04/2023	01/19/2023	274.25	0	01/23	11-48-257
10095	3	Invoice	GASOLINE USED FROM PW - PROPANE TRUCKS	01/04/2023	01/19/2023	260.82	0	01/23	84-41-257
10095	4	Invoice	GASOLINE USED FROM PW - WASTEWATER/VAC TRUCK	01/04/2023	01/19/2023	2,257.68	0	01/23	82-41-257
10095	5	Invoice	GASOLINE USED FROM PW - UTILITIES	01/04/2023	01/19/2023	2,757.85	0	01/23	65-41-257
10095	6	Invoice	ADMIN FEE 50% SPLIT	01/04/2023	01/19/2023	57.19	0	01/23	11-41-257
10095	7	Invoice	ADMIN FEE 50% SPLIT	01/04/2023	01/19/2023	57.20	0	01/23	65-41-257
10117	1	Invoice	GENERAL PROFESSIONAL LIABILITY	01/01/2023	01/16/2023	2,155.34	0	01/23	84-41-510
10117	2	Invoice	RISK MANAGEMENT FUND	01/01/2023	01/16/2023	658.82	0	01/23	65-41-510
10117	3	Invoice	TUITION REIMBURSEMENT	01/01/2023	01/16/2023	658.82	0	01/23	65-41-140
10117	4	Invoice	PROPANE LIABILITY	01/01/2023	01/16/2023	402.08	0	01/23	84-41-510
10092	1	Invoice	DOJ Cost Sharing J. Keith Dec 2022	01/04/2023	01/19/2023	2,267.10	0	01/23	63-41-310
10093	1	Invoice	Verizon Wireless Bill for Dec 2022	01/04/2023	01/19/2023	158.52	0	01/23	11-41-287
10133	1	Invoice	SHANAE INSURANCE BENEFITS MAY-DEC 2022	01/10/2023	01/25/2023	3,753.86	0	01/23	65-41-140
10134	1	Invoice	DOJ Cost Sharing R CARTER DEC 2022	01/19/2023	02/03/2023	192.50	0	01/23	63-41-310

Invoice	Seq	Type	Description	Invoice Date	Due Date	Total Cost	GL Activity	Period	GL Account
PROST1222	1	Invoice	AZ SALES TAX PROPANE	12/30/2022	01/14/2023	8,171.63	0	12/22	84-21371
WAT1222	1	Invoice	AZ SALES TAX WATER	12/30/2022	01/14/2023	894.75	0	12/22	81-21371
9147	1	Invoice	Road Oil- Chip Seal Maple Street, Juniper Street, Uzona Ave	01/25/2021	02/09/2021	18,562.50	0	01/23	11-47-410
9230	1	Invoice	Annual - Propane Delivery Insurance	03/04/2021	03/19/2021	4,824.60	0	01/23	84-41-434
9831	1	Invoice	Oil Chip Seal Uzona, Canyon St	06/15/2022	06/30/2022	8,129.40	0	01/23	11-47-410
9979	1	Invoice	DOJ Cost Sharing J. Keith Sept 2022	10/04/2022	10/19/2022	2,205.23	0	01/23	63-41-310
Total 3930 TOWN OF COLORADO CITY:						78,508.61			
4011 USABlueBook									
200872	1	Invoice	Marking flags	12/09/2022	12/19/2022	895.73	0	12/22	81-41-273
Total 4011 USABlueBook:						895.73			
4020 USPS									
104	1	Invoice	RECURRING INVOICE	01/01/2023	01/01/2023	700.00	0	01/23	11-41-244
Total 4020 USPS:						700.00			
4055 UNIFIRST CORPORATION									
0549670	1	Invoice	Uniforms	09/26/2022	10/26/2022	104.09	0	09/22	65-41-260
0551692	1	Invoice	Uniforms	10/22/2022	11/21/2022	123.47	0	10/22	65-41-260
0553215	1	Invoice	Uniforms	11/14/2022	12/14/2022	123.47	0	11/22	65-41-260
0553717	1	Invoice	Uniforms	11/21/2022	12/21/2022	123.47	0	11/22	65-41-260
0554245	1	Invoice	Uniforms	11/28/2022	12/28/2022	123.47	0	11/22	65-41-260
0554744	1	Invoice	Uniforms	12/05/2022	01/04/2023	128.78	0	12/22	65-41-260
0555265	1	Invoice	Uniforms	12/12/2022	01/11/2023	123.47	0	12/22	65-41-260
0555774	1	Invoice	Uniforms	12/19/2022	01/18/2023	123.47	0	12/22	65-41-260
Total 4055 UNIFIRST CORPORATION:						973.69			
4202 ROCKY MOUNTAIN POWER									
68511976 12	1	Invoice	Cathodic Protection Power	01/01/2023	01/31/2023	21.94	0	01/23	84-41-285
Total 4202 ROCKY MOUNTAIN POWER:						21.94			
4220 UTAH STATE TREASURER									
TC55 1222	1	Invoice	SURCHARGES - OCT, NOV, DEC 2022	12/20/2022	01/19/2023	4,483.36	0	12/22	11-42-550
Total 4220 UTAH STATE TREASURER:						4,483.36			
4221 UTAH STATE TAX COMMISSION									
STC 1122	1	Invoice	SALES AND USE TAX	12/16/2022	01/15/2023	2,236.38	0	12/22	84-21375
STC 1222	1	Invoice	SALES AND USE TAX	12/31/2022	01/30/2023	3,136.38	0	12/22	84-21375
TC-941 4TH	1	Invoice	UTAH WITHHOLDING 4TH QTR 2022	12/31/2022	01/30/2023	769.00	0	12/22	11-22221
Total 4221 UTAH STATE TAX COMMISSION:						6,141.76			
4572 Codale Electric Supply Inc.									
S79011020.0	1	Invoice	GREEN PEDESTALS FOR AIRPORT FIBER PROJECT	12/29/2022	01/28/2023	409.95	0	12/22	89-41-273
S7901020.00	1	Invoice	FIBER PEDS	12/29/2022	01/28/2023	409.95	0	01/23	89-41-273
S7991315	1	Invoice	MOTOR CONTACTOR, MOTOR OVERLOAD	01/06/2023	02/05/2023	306.24	0	01/23	84-41-273

Invoice	Seq	Type	Description	Invoice Date	Due Date	Total Cost	GL Activity	Period	GL Account
Total 4572 Codale Electric Supply Inc.:						1,126.14			
4605 SUMMIT ENERGY, LLC									
1222HILD	1	Invoice	Natural Gas Commodity	01/05/2023	02/04/2023	70,135.36	0	01/23	84-41-431
Total 4605 SUMMIT ENERGY, LLC:						70,135.36			
4620 VERIZON WIRELESS									
9920604801	1	Invoice	WIRELESS SERVICE - OCT & NOV	11/14/2022	12/14/2022	595.94	0	11/22	11-41-287
9920604801	2	Invoice	WIRELESS SERVICE - OCT & NOV	11/14/2022	12/14/2022	449.56	0	11/22	65-41-287
9922985803	1	Invoice	WIRELESS SERVICE - DEC	12/14/2022	01/13/2023	242.68	0	12/22	11-41-287
9922985803	2	Invoice	WIRELESS SERVICE - DEC	12/14/2022	01/13/2023	183.08	0	12/22	65-41-287
9925364947	1	Invoice	WIRELESS SERVICE - Jan 2023	01/14/2023	02/06/2023	242.72	0	01/23	11-41-287
9925364947	2	Invoice	WIRELESS SERVICE - Jan 2023	01/14/2023	02/06/2023	183.11	0	01/23	65-41-287
Total 4620 VERIZON WIRELESS:						1,897.09			
4624 PURCELL TIRE CO.									
305058646	1	Invoice	Backo Tires	01/06/2023	02/05/2023	1,560.00	0	01/23	11-47-250
Total 4624 PURCELL TIRE CO.:						1,560.00			
4694 PREFERRED PARTS									
15048-12198	1	Invoice	MOTOR OIL	12/22/2022	01/22/2023	15.81	0	12/22	11-48-274
15048-12206	1	Invoice	PLIERS, ADJUSTABLE WRENCHES	12/23/2022	01/23/2023	120.27	0	12/22	65-41-260
15048-11850	1	Invoice	ANTIFREEZE	10/31/2022	12/30/2022	3.39	0	01/23	11-48-250
15048-12289	1	Invoice	WINSHIELD WIPERS	01/04/2023	01/30/2023	33.58	0	01/23	65-41-250
15048-12295	1	Invoice	OIL SERVICE FIR TRUCK 3222	01/05/2023	01/30/2023	11.57	0	01/23	65-41-250
15048-12300	1	Invoice	GLOVES	01/06/2023	01/30/2023	47.98	0	01/23	65-41-250
15048-12320	1	Invoice	DRIVE BELT	01/09/2023	01/30/2023	46.72	0	01/23	84-41-250
Total 4694 PREFERRED PARTS:						279.32			
4701 ZIONS FIRST NATIONAL BANK									
EFTPS 1222	1	Invoice	SOCIAL SECURITY - FICA DEPOSIT 1222	12/31/2022	01/23/2023	855.14	0	12/22	11-22211
EFTPS 1222	2	Invoice	MEDICARE - FICA DEPOSIT 1222	12/31/2022	01/23/2023	200.28	0	12/22	11-22212
EFTPS 1222	3	Invoice	TAX WITHHOLDING - FICA DEPOSIT 1222	12/31/2022	01/23/2023	294.42	0	12/22	11-22213
Total 4701 ZIONS FIRST NATIONAL BANK:						1,349.84			
4750 DJB GAS SERVICES, INC.									
01395702	1	Invoice	WELDER Cylinder Rental	11/30/2022	12/30/2022	29.14	0	11/22	82-41-273
Total 4750 DJB GAS SERVICES, INC.:						29.14			
5288 TOWN OF COLORADO CITY DISPATCH									
10114	1	Invoice	TOCC DISPATCH IGA	01/01/2023	01/30/2023	2,700.00	0	01/23	11-46-980
10114(2)	1	Invoice	TOCC DISPATCH IGA	01/01/2023	01/30/2023	6,728.00	0	01/23	11-46-980
10033	1	Invoice	TOCC DISPATCH IGA Nov 2022	11/01/2022	12/01/2022	9,428.00	0	01/23	11-46-980
9563	1	Invoice	TOCC DISPATCH IGA Dec 2021	12/01/2021	01/02/2022	2,700.00	0	01/23	11-46-980
9610	1	Invoice	TOCC DISPATCH IGA Jan						

Invoice	Seq	Type	Description	Invoice Date	Due Date	Total Cost	GL Activity	Period	GL Account
			2022	01/01/2022	01/16/2022	2,700.00	0	01/23	11-46-980
9904	1	Invoice	TOCC DISPATCH IGA Aug 2022	08/01/2022	09/01/2022	9,428.00	0	01/23	11-46-980
9948	1	Invoice	TOCC DISPATCH IGA Sep 2022	09/01/2022	10/01/2022	9,428.00	0	01/23	11-46-980
9999	1	Invoice	TOCC DISPATCH IGA Oct 2022	10/01/2022	11/01/2022	9,428.00	0	01/23	11-46-980
Total 5288 TOWN OF COLORADO CITY DISPATCH:						52,540.00			
5290 TOWN OF COLORADO CITY POLICE									
10115	1	Invoice	POLICE SERVICE IGA	01/01/2023	01/30/2023	22,972.63	0	01/23	11-43-980
10000	1	Invoice	POLICE SERVICE IGA Oct 2022	10/01/2022	11/01/2022	22,972.63	0	01/23	11-43-980
10034	1	Invoice	POLICE SERVICE IGA Nov2022	11/01/2022	12/01/2022	22,972.63	0	01/23	11-43-980
9564	1	Invoice	POLICE SERVICE IGA Dec 2021	12/01/2021	01/01/2022	13,500.00	0	01/23	11-43-980
9611	1	Invoice	POLICE SERVICE IGA Jan 2022	01/01/2022	02/01/2022	13,500.00	0	01/23	11-43-980
9905	1	Invoice	POLICE SERVICE IGA Aug 22	08/01/2022	08/31/2022	22,972.63	0	01/23	11-43-980
9949	1	Invoice	POLICE SERVICE IGA Sept 2022	09/01/2022	10/01/2022	22,972.63	0	01/23	11-43-980
Total 5290 TOWN OF COLORADO CITY POLICE:						141,863.15			
5376 WAXIE SANITARY SUPPLY									
81305795	1	Invoice	WINDEX GLASS CLEANER 4/1GAL	11/08/2022	12/08/2022	142.41	0	11/22	11-41-271
81305795	2	Invoice	Clean & Soft White Paper Towel	11/08/2022	12/08/2022	128.22	0	11/22	11-41-271
81305795	3	Invoice	Clean & Soft White Paper Towel	11/08/2022	12/08/2022	128.22	0	11/22	65-41-271
81305795	4	Invoice	1036 CLEAN & SOFT SMALL CORE TOILET PAPER	11/08/2022	12/08/2022	77.75	0	11/22	11-41-271
81305795	5	Invoice	1036 CLEAN & SOFT SMALL CORE TOILET PAPER	11/08/2022	12/08/2022	77.75	0	11/22	65-41-271
81309928	1	Invoice	WAXIE FAST ACT ALL-PURPOSE CONCENTRATED CLEANER GL 4/CS	11/09/2022	12/09/2022	90.97	0	11/22	11-41-271
Total 5376 WAXIE SANITARY SUPPLY:						645.32			
5401 SHRED ST GEORGE									
53347112112	1	Invoice	PAPER SHREDDING - 50% ADMIN	11/21/2022	12/21/2022	27.47	0	11/22	11-41-240
53347112112	2	Invoice	PAPER SHREDDING - 50% UTILITIES	11/21/2022	12/21/2022	27.48	0	11/22	65-41-271
5334712192	1	Invoice	PAPER SHREDDING - 50% ADMIN	12/19/2022	01/19/2023	27.47	0	12/22	11-41-240
5334712192	2	Invoice	PAPER SHREDDING - 50% UTILITIES	12/19/2022	01/19/2023	27.48	0	12/22	65-41-271
Total 5401 SHRED ST GEORGE:						109.90			
5409 OLYMPUS INSURANCE AGENCY									
16331	1	Invoice	AUTO POLICY	11/15/2022	12/15/2022	500.00	0	11/22	11-41-510
Total 5409 OLYMPUS INSURANCE AGENCY:						500.00			
5415 ST. GEORGE WATER STORE									
142719	1	Invoice	BOTTLED WATER SERVICE - 2 BOTTLES	12/19/2022	01/19/2023	12.00	0	12/22	65-41-235
141577	1	Invoice	BOTTLED WATER SERVICE - 2 BOTTLES	12/05/2022	01/05/2023	12.00	0	01/23	65-41-235
144278	1	Invoice	BOTTLED WATER SERVICE - 3 BOTTLES	01/05/2023	02/04/2023	18.00	0	01/23	65-41-235

Invoice	Seq	Type	Description	Invoice Date	Due Date	Total Cost	GL Activity	Period	GL Account
Total 5415 ST. GEORGE WATER STORE:						42.00			
5457 Performance Pipe									
99503484	1	Invoice	65P 04.00" SDR 11.00 0040' JT YEL NR	12/19/2022	01/18/2023	48,314.75	0	12/22	84-42-750
99521916	1	Invoice	Freight & Shipping on Gas Pipe	01/20/2023	02/19/2023	2,839.67	0	01/23	84-41-273
Total 5457 Performance Pipe:						51,154.42			
5471 PINNACLE GAS PRODUCTS									
150110	1	Invoice	FITTINGS	01/03/2023	01/30/2023	31.93	0	01/23	84-41-273
150260	1	Invoice	GAUGES	01/06/2023	01/30/2023	107.91	0	01/23	84-41-273
149066	1	Invoice	misc fittings	12/02/2022	01/02/2023	3,995.48	0	01/23	84-41-273
150597	1	Invoice	fittings	01/16/2023	02/15/2023	1,687.45	0	01/23	84-41-273
150640	1	Invoice	misc fittings	01/17/2023	02/16/2023	589.80	0	01/23	84-41-273
150791	1	Invoice	flex Connectors	01/19/2023	02/18/2023	363.13	0	01/23	84-41-273
150796	1	Invoice	Leak Detector, Fittings	01/19/2023	02/18/2023	226.23	0	01/23	84-41-273
150797	1	Invoice	fITTINGS	01/19/2023	02/18/2023	13.20	0	01/23	84-41-273
FC411	1	Invoice	Late Fee	01/24/2023	02/24/2023	45.32	0	01/23	84-41-273
Total 5471 PINNACLE GAS PRODUCTS:						7,060.45			
5478 KEN GARFF FORD-AMERICAN FORK									
2022-C1149	1	Invoice	2022 FORD F-450 (1FD0W4HTONEG15934)	01/03/2023	01/30/2023	59,196.62	0	01/23	11-44-810
Total 5478 KEN GARFF FORD-AMERICAN FORK:						59,196.62			
5518 CUSTOMER DEPOSIT									
3.07120.1	1	Invoice	3.07120.1 CUSTOMER DEPOSIT REFUND	12/16/2022	01/16/2023	200.00	0	12/22	81-21350
3.18201.7	1	Invoice	3.18201.7 CUSTOMER DEPOSIT REFUND	12/26/2022	01/26/2023	3.96	0	12/22	81-21350
3.37500.3	1	Invoice	3.37500.3 CUSTOMER DEPOSIT REFUND	12/26/2022	01/26/2023	728.66	0	12/22	81-21350
6.44981.4	1	Invoice	CUSTOMER DEPOSIT REFUND	12/28/2022	01/28/2023	150.97	0	12/22	81-21350
6.46800.7	1	Invoice	6.46800.7 CUSTOMER DEPOSIT REFUND	12/22/2022	01/22/2023	445.25	0	12/22	81-21350
6448602	1	Invoice	CUSTOMER DEPOSIT REFUND	12/30/2022	01/30/2023	200.00	0	01/23	81-21350
60930000	1	Invoice	CUSTOMER DEPOSIT REFUND	01/10/2023	02/10/2023	14.12	0	01/23	81-21350
Total 5518 CUSTOMER DEPOSIT:						1,742.96			
5530 INKBOX Z									
14	1	Invoice	SIGNS FOR TREE LIGHTING	12/07/2022	01/07/2023	317.00	0	12/22	11-49-410
Total 5530 INKBOX Z:						317.00			
5535 UTAH DIVISION OF WATER RIGHTS									
81-5104	1	Invoice	Water Right Change Application	01/01/2023	02/01/2023	200.00	0	01/23	81-41-210
Total 5535 UTAH DIVISION OF WATER RIGHTS:						200.00			
5553 EXECUTECH UTAH, INC.									
28786	1	Invoice	IT MANAGMENT	01/01/2023	01/30/2023	2,100.00	0	01/23	11-41-272
EXEC-13079	1	Invoice	IT MANAGMENT	11/01/2022	12/01/2022	2,100.00	0	11/22	11-41-272

Invoice	Seq	Type	Description	Invoice Date	Due Date	Total Cost	GL Activity	Period	GL Account
Total 5553 EXECUTECH UTAH, INC.:						4,200.00			
5576 ROCKY MOUNTAIN PROPANE ASSOCIATION									
3805	1	Invoice	RMPA & NPGA Membership Dues	01/16/2023	02/15/2023	900.00	0	01/23	84-41-210
Total 5576 ROCKY MOUNTAIN PROPANE ASSOCIATION:						900.00			
5605 NGL SUPPLY CO. LTD									
NGL445250	1	Invoice	Propane Commodity	12/13/2022	12/23/2022	46,573.18	0	12/22	84-41-432
NGL449510	1	Invoice	Propane Commodity	01/02/2023	01/12/2023	24,055.15	0	01/23	84-41-432
NGL451846	1	Invoice	Propane Commodity	01/10/2023	01/20/2023	24,554.34	0	01/23	84-41-432
NGL451847	1	Invoice	Propane Commodity	01/10/2023	01/20/2023	20,218.23	0	01/23	84-41-432
NGL454429	1	Invoice	Propane Commodity	01/19/2023	01/29/2023	44,400.04	0	01/23	84-41-432
Total 5605 NGL SUPPLY CO. LTD:						159,800.94			
5607 DOMINION ENERGY									
5948550000	1	Invoice	NATURAL GAS TRANSPORT	11/30/2022	12/30/2022	3,526.01	0	11/22	84-41-434
5948550000	1	Invoice	NATURAL GAS TRANSPORTATION	01/05/2023	01/30/2023	5,119.42	0	01/23	84-41-434
5948550000	1	Invoice	NATURAL GAS TRANSPORT	01/07/2023	01/30/2023	4,962.27	0	01/23	84-41-434
Total 5607 DOMINION ENERGY:						13,607.70			
5637 BASIC AMERICAN SUPPLY									
500793	1	Invoice	HEADLAMP, WORK LIGHT	12/29/2022	01/29/2023	103.56	0	12/22	81-41-273
500915	1	Invoice	SPRAY NOZZLE	12/29/2022	01/03/2023	18.98	0	12/22	81-41-273
492710	1	Invoice	PLIERS, STAPLES, MARKER, CABLE TRACKER, CABLETIE	11/21/2022	12/22/2022	170.98	0	12/22	11-48-272
494429	1	Invoice	BATTERY	11/29/2022	12/29/2022	99.99	0	12/22	11-48-250
494804	1	Invoice	SERVICE CHARGE	11/30/2022	12/30/2022	15.10	0	12/22	11-41-242
495824	1	Invoice	TAPE CARTON PACK	12/05/2022	12/30/2022	81.94	0	12/22	11-48-272
495924	1	Invoice	CREDIT VOUCHER	12/06/2022	12/30/2022	28.33-	0	12/22	11-48-272
496353	1	Invoice	WHITE CABLE TIE	12/08/2022	12/30/2022	23.97	0	12/22	11-48-272
496594	1	Invoice	TIE WIRE	12/09/2022	12/30/2022	10.99	0	12/22	11-48-272
496662	1	Invoice	HOLIDAY MINI LIGHTS	12/09/2022	12/30/2022	24.34	0	12/22	11-48-272
501472	1	Invoice	Service Charge	12/31/2022	12/31/2022	8.55	0	12/22	11-41-242
502277	1	Invoice	WRENCH SET	01/06/2023	01/30/2023	39.97	0	01/23	84-41-260
502823	1	Invoice	FITTINGS	01/09/2023	01/30/2023	51.97	0	01/23	84-41-273
504897	1	Invoice	Hose Adapter	01/19/2023	02/06/2023	19.56	0	01/23	81-41-273
504936	1	Invoice	Rope	01/19/2023	02/06/2023	122.39	0	01/23	84-41-273
505631	1	Invoice	Replace Poles Maxwell Bathroom Area	01/23/2023	02/23/2023	2,079.32	0	01/23	11-48-410
505934	1	Invoice	Lumber, Joist Hangers	01/25/2023	02/06/2023	52.37	0	01/23	84-41-273
505993	1	Invoice	Fittings	01/25/2023	02/06/2023	4.96	0	01/23	84-41-273
506011	1	Invoice	Nails/Lumber - Gas Yard Shed	01/25/2023	02/25/2023	179.47	0	01/23	84-41-273
506012	1	Invoice	Lumber - Gas Yard Shed	01/25/2023	02/06/2023	34.34	0	01/23	81-41-273
Total 5637 BASIC AMERICAN SUPPLY:						3,114.42			
5646 XPRESS BILL PAY									
70771	1	Invoice	Bill Pay Transactions and Account Maintenance	12/31/2022	01/05/2023	638.32	0	01/23	65-41-318
Total 5646 XPRESS BILL PAY:						638.32			
5663 Johnson, Harrison									
120622	1	Invoice	MANAGER MEETING - PER DIEM	12/06/2022	01/06/2023	12.00	0	12/22	11-41-230

Invoice	Seq	Type	Description	Invoice Date	Due Date	Total Cost	GL Activity	Period	GL Account
120622	2	Invoice	MANAGER MEETING - MILEAGE	12/06/2022	01/06/2023	27.50	0	12/22	11-41-230
120822	1	Invoice	CDBG MEETING - MILEAGE	12/08/2022	01/08/2023	49.83	0	12/22	11-41-230
120822	2	Invoice	CDBG MEETING-PER DIEM	12/08/2022	01/08/2023	22.00	0	12/22	11-41-230
011123	1	Invoice	BTAC Meeting - Mileage & Per-diem	01/11/2023	02/20/2023	414.90	0	01/23	11-41-230
Total 5663 Johnson, Harrison:						526.23			
5679 Border States Industries Inc.									
925580168	1	Invoice	Electrical BREAKER	01/06/2023	01/30/2023	130.20	0	01/23	84-41-273
925642472	1	Invoice	Electrical components for propane yard	01/18/2023	02/18/2023	986.18	0	01/23	84-41-273
Total 5679 Border States Industries Inc.:						1,116.38			
5695 Advanced Network Consulting									
2615	1	Invoice	PROFESSIONAL IT SERVICES - WEEK DEC 11 10% ADMIN LB NB	12/28/2022	01/28/2023	13.17	0	12/22	11-41-317
2615	2	Invoice	PROFESSIONAL IT SERVICES - WEEK DEC 4 - 90% LB NB	12/28/2022	01/28/2023	118.50	0	12/22	65-41-317
2618	1	Invoice	PROFESSIONAL IT SERVICES - WEEK DEC 18 10% ADMIN LB NB	12/28/2022	01/28/2023	31.25	0	12/22	11-41-317
2618	2	Invoice	PROFESSIONAL IT SERVICES -WEEK DEC 18 - 90% LB NB	12/28/2022	01/28/2023	281.25	0	12/22	65-41-317
2621	1	Invoice	PROFESSIONAL IT SERVICES - WEEK DEC 4 10% ADMIN LB NB	12/28/2022	01/28/2023	68.00	0	12/22	11-41-317
2621	2	Invoice	PROFESSIONAL IT SERVICES -WEEKDEC 4 - 90% LB NB	12/28/2022	01/28/2023	612.01	0	12/22	65-41-317
Total 5695 Advanced Network Consulting:						1,124.18			
5697 BLACK TIE PRESS									
1226	1	Invoice	#10 Window Envelopes w/Postnet Code	12/30/2022	01/23/2023	1,700.00	0	12/22	65-41-144
Total 5697 BLACK TIE PRESS:						1,700.00			
5712 CATALYST CONSTRUCTION									
140	1	Invoice	Fiber Server Office Rent	01/01/2023	01/01/2023	100.00	0	01/23	90-41-580
Total 5712 CATALYST CONSTRUCTION:						100.00			
5719 STERLING PEST CONTROL									
767	1	Invoice	Sprayed for Bugs	10/08/2022	11/08/2022	180.00	0	01/23	11-41-271
Total 5719 STERLING PEST CONTROL:						180.00			
5720 SUSAN STEED									
43	1	Invoice	CITY OFFICE CLEANING - 25% UTILITY - SPLIT DISTRIBUTION	01/03/2023	02/03/2023	41.25	0	01/23	65-41-271
43	2	Invoice	CITY OFFICE CLEANING - 75% ADMIN - SPLIT DISTRIBUTION	01/03/2023	02/03/2023	123.75	0	01/23	11-41-271
43	3	Invoice	UTILITY OFFICE BUILDING	01/03/2023	02/03/2023	150.00	0	01/23	65-41-271
43	4	Invoice	PARK BATHROOMS	01/03/2023	02/03/2023	165.00	0	01/23	11-48-240
43	5	Invoice	MULBERRY ST. BUILDING CLEANING	01/03/2023	02/03/2023	15.00	0	01/23	11-41-271
43	6	Invoice	SUPPLIES	01/03/2023	02/03/2023	20.00	0	01/23	11-41-271

Invoice	Seq	Type	Description	Invoice Date	Due Date	Total Cost	GL Activity	Period	GL Account
Total 5720 SUSAN STEED:						515.00			
5727 YSN Imports, Inc.									
428023	1	Invoice	120 Gallon Cylinders	12/20/2022	01/20/2023	6,855.13	0	01/23	84-42-780
Total 5727 YSN Imports, Inc.:						6,855.13			
5764 RURAL COMMUNITY CONSULTANTS									
0129365	1	Invoice	PROFESSIONAL SERVICES	11/11/2022	12/11/2022	249.00	0	01/23	11-41-312
0129664	1	Invoice	PROFESSIONAL SERVICES	12/13/2022	01/13/2023	332.00	0	01/23	11-41-312
Total 5764 RURAL COMMUNITY CONSULTANTS:						581.00			
5770 INTERIM PUBLIC MANAGEMENT, LLC									
3041 (2)	1	Invoice	SPECIAL PROJECT MANAGER	11/15/2022	12/15/2023	2,714.25	0	11/22	65-41-310
3071	1	Invoice	SPECIAL PROJECT MANAGER	01/01/2023	01/11/2023	7,237.98	0	01/23	65-41-310
3079	1	Invoice	SPECIAL PROJECT MANAGER	01/15/2023	01/25/2023	7,237.98	0	01/23	65-41-310
Total 5770 INTERIM PUBLIC MANAGEMENT, LLC:						17,190.21			
5781 ISCO INDUSTRIES, INC									
17071715	1	Invoice	GAUGE FOR FUSION CLAMP	12/28/2022	01/27/2023	102.00	0	01/23	84-41-273
Total 5781 ISCO INDUSTRIES, INC:						102.00			
5810 DOMAIN LISTINGS									
242-1848 20	1	Invoice	Annual Website Domain Listing	01/11/2023	02/20/2023	288.00	0	01/23	11-41-272
Total 5810 DOMAIN LISTINGS:						288.00			
5816 AMAZON CAPITAL SERVICES									
14814	1	Invoice	Loctite Super Glue Utra Gel, 014 fl oz, Bottle	01/01/2023	01/30/2023	4.27	0	01/23	11-41-271
14814	2	Invoice	Spectrum CP434816N HDPE Institutional Trash Can Liner, Glutton, 48" Length x 43" Width x 16 Micron Thick, Natural (Case of 200)	01/01/2023	01/30/2023	52.95	0	01/23	65-41-271
14814	3	Invoice	Spectrum CP434816N HDPE Institutional Trash Can Liner, Glutton, 48" Length x 43" Width x 16 Micron Thick, Natural (Case of 200)	01/01/2023	01/30/2023	52.95	0	01/23	11-48-272
14814	4	Invoice	Kleenex® Professional Facial Tissue for Business (21606), Flat Tissue Boxes, 48 Boxes	01/01/2023	01/30/2023	74.51	0	01/23	11-41-271
14814	5	Invoice	Cool Toner Compatible Toner Cartridge Replacement for HP 78A CE278A Toner HP Laserjet (Black, 4-Pack)	01/01/2023	01/30/2023	50.94	0	01/23	11-41-271
14814	6	Invoice	Dixie PerfecTouch 12 oz. Insulated Paper Hot Coffee Cup & Lid Set, Coffee Haze & White, 300 Cups & 300 Lids (50 Cups & Lids Per Pack, 6 Packs Per Case)	01/01/2023	01/30/2023	86.00	0	01/23	11-41-271
14814	7	Invoice	Amazon Basics Binder Paper Clip - Small, 12 Clips per Pack, 12-Pack	01/01/2023	01/30/2023	7.46	0	01/23	11-41-271
14814	8	Invoice	Amazon Basics Sheet Protector - Heavy Duty, 500-Pack	01/01/2023	01/30/2023	36.27	0	01/23	11-41-271
14814	9	Invoice	Logitech MK345 Wireless						

Invoice	Seq	Type	Description	Invoice Date	Due Date	Total Cost	GL Activity	Period	GL Account
			Combo Full-Sized Keyboard w/ Palm Rest & Comfortable Right -Handed Mouse	01/01/2023	01/30/2023	37.99	0	01/23	11-41-271
14814	10	Invoice	Sharpie Retractable Highlighters, Chisel Tip, Assorted, 8 Count	01/01/2023	01/30/2023	9.50	0	01/23	11-41-271
14814	11	Invoice	SHIPPING AND HANDLING	01/01/2023	01/30/2023	7.49	0	01/23	11-41-271
14816	1	Invoice	PRINTER RIBBON, SCISSORS, WIRLESS MOUSE	01/01/2023	01/30/2023	116.70	0	01/23	11-41-240
14805	1	Invoice	Flags	12/01/2022	01/01/2023	162.38	0	12/22	11-41-271
Total 5816 AMAZON CAPITAL SERVICES:						699.41			
5822 Far West Electric									
2240	1	Invoice	LIGHTING AT MAXWELL PARK	12/02/2022	01/02/2023	4,815.68	0	12/22	11-48-250
Total 5822 Far West Electric:						4,815.68			
5824 CUSTOMER OVERPAYMENT									
3.07120.1	1	Invoice	CUSTOMER OVERPAYMENT REFUND	12/16/2022	01/16/2023	50.00	0	12/22	01-11750
3.48470.4	1	Invoice	3.48470.4 CUSTOMER OVERPAYMENT REFUND	12/23/2022	01/23/2023	81.40	0	12/22	01-11750
OP-102522	1	Invoice	OVERPAYMENT REFUND	01/05/2022	01/30/2022	100.00	0	01/23	01-11750
Total 5824 CUSTOMER OVERPAYMENT:						231.40			
5825 ZION TROPHIES AND AWARDS									
561	1	Invoice	PLAQUE APPRECIATION AWARD	12/12/2022	01/12/2023	42.70	0	12/22	11-41-244
587	1	Invoice	RECOGNITION AWARDS	01/10/2023	02/10/2023	21.35	0	01/23	11-41-244
Total 5825 ZION TROPHIES AND AWARDS:						64.05			
5836 FISCHER ENTERPRISES									
10299	1	Invoice	CATERING COUNCIL REATREAT	01/16/2023	01/30/2023	1,783.55	0	01/23	11-41-235
Total 5836 FISCHER ENTERPRISES:						1,783.55			
5841 WATER INFRASTURCTURE FINANCE AUTHORITY O									
920330-21 (2	1	Invoice	WELL LOAN PAYMENT	12/15/2022	01/01/2023	2,020.31	0	12/22	81-42-815
Total 5841 WATER INFRASTURCTURE FINANCE AUTHORITY O:						2,020.31			
5842 EDITH WITTWER									
062322	2	Adjustmen	BAIL REFUND	06/23/2022	06/23/2022	500.00-	0	01/23	11-42-552
Total 5842 EDITH WITTWER:						500.00-			
5843 SINTONIA INC									
7	1	Invoice	CITY ATTORNEY	01/01/2023	01/01/2023	5,000.00	0	01/23	11-41-117
Total 5843 SINTONIA INC:						5,000.00			
5866 Morgan Huntsman									
COURT(1)	1	Invoice	COURT CLERK ASSISTANCE JAN 1-7 2023	01/01/2023	01/30/2023	196.00	0	01/23	11-42-110
COURT(2)	1	Invoice	COURT CLERK ASSISTANCE JAN 6 2023	01/01/2023	01/30/2023	252.00	0	01/23	11-42-110
COURT(3)	1	Invoice	COURT CLERK ASSISTANCE JAN 15-21 2023	01/15/2023	02/15/2023	490.00	0	01/23	11-42-110

Invoice	Seq	Type	Description	Invoice Date	Due Date	Total Cost	GL Activity	Period	GL Account
Total 5866 Morgan Huntsman:						938.00			
5867 GORDON & REES									
21092078	1	Invoice	KNUDSON V. CITY OF HILDALE	01/05/2023	01/20/2023	3,530.45	0	01/23	11-41-510
21112182	1	Invoice	KNUDSON V. CITY OF HILDALE	01/05/2023	01/20/2023	1,291.40	0	01/23	11-41-510
21128345	1	Invoice	KNUDSON V. CITY OF HILDALE	01/05/2023	01/20/2023	178.15	0	01/23	11-41-510
Total 5867 GORDON & REES:						5,000.00			
5868 FISCHER ENTERPRISES, LLC									
10299	1	Invoice	CATERING FOR CITY COUNCIL REATREAT	01/16/2023	01/30/2023	1,783.55	0	01/23	11-41-235
10299	2	Adjustmen	CATERING FOR CITY COUNCIL REATREAT	01/16/2023	01/30/2023	1,783.55-	0	01/23	11-41-235
Total 5868 FISCHER ENTERPRISES, LLC:						.00			
5869 PRIORITY CONTRACTOR, LLC									
1017	1	Invoice	ROOF REPAIR ELDERBERRY BUILDING	01/05/2023	01/30/2023	525.00	0	01/23	11-41-720
Total 5869 PRIORITY CONTRACTOR, LLC:						525.00			
5870 ZION LOCKSMITH									
INV-0665	1	Invoice	RE-KEY CITY HALL	01/05/2023	02/05/2023	795.02	0	01/23	11-41-271
Total 5870 ZION LOCKSMITH:						795.02			
5871 HUDSON INSURANCE COMPANY									
EFD-000216	1	Invoice	DEDUCTIBLE RECOVER CLAIM	10/03/2022	11/03/2022	978.62	0	01/23	11-41-510
Total 5871 HUDSON INSURANCE COMPANY:						978.62			
Grand Totals:						848,031.32			

Report GL Period Summary

GL Period	Amount
09/22	104.09
12/22	199,989.87
11/22	27,356.92
01/23	611,190.97
10/22	9,389.47
Grand Totals:	848,031.32

Vendor number hash:	1002741
Vendor number hash - split:	1305969
Total number of invoices:	214
Total number of transactions:	280

Terms Description	Invoice Amount	Discount Amount	Net Invoice Amount
3 % 15 NET 30	5,521.47	165.64	5,355.83
Net 15	139,955.20	.00	139,955.20
NET 30	172,474.38	.00	172,474.38
Open Terms	528,818.90	.00	528,818.90
NET 10TH	1,261.37	.00	1,261.37
Grand Totals:	848,031.32	165.64	847,865.68

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To: Hildale City Mayor and Council
From: City Manager Eric Duthie
Date: February 1, 2023
Re: Monthly update and report for December 2023 and January 2024

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.
- 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
- Christmas Day Holiday Office Closed
- New Year's Day Holiday Office Closed
- Martin Luther King Holiday Office Closed

Actions taken:

❖ External Agency/Group interchange:

- Conducted various water strategies meetings.
- Testified in Water Rights Transfer hearing.
- Well certification issues are continuing to be processed.
- ULCT Legislative Policy Committee participation
- Dixie Transportation / Council of Mayors attended.
- Maxwell Park plans submitted to State Senate.
- Rural Utah Chamber Coalition Meeting participation.
- FY23 audit requests/responses continuing.
- Justice Court Recertification Packet submitted.
- Negotiating a development agreement with Skye Valley Development
- Coordinated general discussion of a regional wastewater option.
- Submitted a Safe Routes to School (SRTS) grant application.
- Acknowledged request from Ash Creek Special District to discuss wastewater options.
- Podcast / video editing room discussion of Innovation Center
- Initiated FCC Broadband funding request.
- Assisted with video production crew on site.
- Building Resilient Infrastructure and Communities grant submitted
- BEAD State Challenge Process Webinar attended.
- Reviewed Washington County Notice of Nonrenewal of Interlocal Election Agreement
- UZONA Chamber of Commerce Gala attended by Mayor.

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- Hildale/Census follow up.
- Interagency Agreement for Automatic License Plate Recognition Equipped Law Enforcement Agencies (ALPR) Utah Agreement approved.
- Attended Get ready: Prepare Your Community For Broadband Development Opportunities Webinar
- Attended FCC Fabric License Training Webinar
- Attended Disasters happen; How to plan, prepare, and prevail webinar.
- Reviewed Utah BEAD (Broadband) program
- Hosted State Senator Owens and State Senate President Adams to a site visit
- Hosted Utah Senator Lee's staff to a meeting
- Submitted the SRTS FY26 application.
- Registered two Councilmembers-elect to the Online Training Newly Elected Official Crash Course
- Hosted Congressman John Curtis to a site visit
- Attended a Connecting Utah Virtual meeting.
- Attended the ARPA Water project groundbreaking in Colorado City
- Finalized the Maxwell Park Master Plan for funding.
- Presented a scholarship partnership with UZONA Chamber of Commerce to Mohave Community College
- Met with officials of the Washington County School District
- Provided annexation area maps to Garkane for service preparation.
- Reviewed pending legislation concerning 911-Dispatch issues.
- Followed-up Hazard Mitigation scoping project to Federal Emergency Management Agency by uploading files/pictures/videos of flood events.
- Accepted invitation to serve on the "Future Ready Utah" Regional Coordinating Council
- Submitted Cherish Families Survey Community Impact: We need your input!

❖ Internal interchange:

- Innovation Center training and assistance continuing.
- Addressed multiple building permit inquiries.
- Continued approval process for Water Master Plan
- Continued approval process for Impact Fee Plan
- Conducted a Utility Advisory Board meeting.
- Continued Industrial Lot lease reviews.
- Prepared a Newly Elected Councilmembers Onboarding Template and distributed it to new Council members.
- Submitted the Hildale Innovation Center Traffic Study and Concept Design Scope and Engineer Fee grant application.
- Coordinated business license reviews with Code Enforcement Officer
- City Prosecutor agreement completed.
- Prepared and received Council approval of a fee change resolution.
- Hosted the Hildale City Christmas Tree Lighting
- Reviewed process for lot subdivisions

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- Attended the Hildale Police Department annual dinner.
- Met with developer to discuss renegotiation of water issues.
- New Council members sworn in
- TKS fiber issues discussed.

Future actions

- Review follow-up to Justice Court Recertification Packet.
- Follow-up on the SRTS grant.
- Complete building upgrades for Innovation Center
- Continue discussions with the U.S. Census Department

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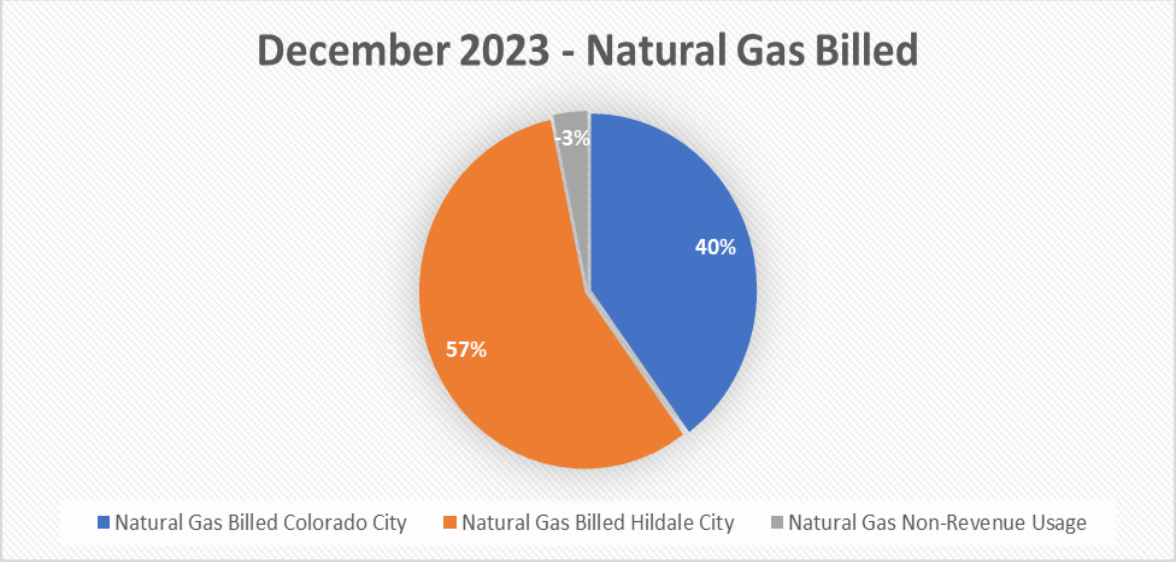
Utilities Monthly Report
January 2024

Gas Operations:

Gas staff installed 950 feet of new main line on Apple Avenue extending from Pioneer Street down to Barlow Street. Staff connected 2 new service lines to metered natural gas customers. Staff have been updating the utility map records to provide more accurate locating services.

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

Description	Quantity Billed*	Number of Customers
Natural Gas Purchased	5,477,100	
Natural Gas Billed Colorado City	2,342,800	360
Natural Gas Billed Hildale City	3,330,400	310
Natural Gas Non-Revenue Usage	(196,100)	
*Numbers are in Corrected Cubic Feet (100 Corrected Cubic Feet = 1 Therm)		



Sewer Operations:

The Utility Crew cleaned 900 feet of sewer main line on Johnson Avenue in a response to increased sewer flow accumulation that restricted the pipes with heavy sand and grit.

The sewer pond levels have risen 2 feet since September and are expected to provide sufficient storage until the upcoming Spring season when staff will start discharging the effluent onto the field again.

The Lift Station has been working well with the SMART Cover alarm system with no issues this month.

Sewer Headworks Project

The Sewer Headworks equipment start-up and training was a success. Staff used the new Headworks Screen to take a Biochemical Oxygen Demand (BOD) 7-day test on January 5th. Results showed the Sewer Lagoon is currently testing at 14.5 pounds of BOD per acre with our permit allowing to have 30 pounds per acre. Our permit follows the Department of Environmental Quality (DEQ) for Sewer Lagoon loading rate.

Water Operations:

We had a water service connection line that was damaged by a contractor, which the crew responded to and repaired.

The Water Treatment Plant is operating at optimum levels for removal of iron and other constituents. Well 21 has been consistently running at max flow with no issues, along with Wells 10, 11, and 4b to keep up with current water demand.

There is no Water Graph this Month due to Technical Issues with the Electronic Meter Reading System

Fiber Operations*:*

Staff worked with the System Administrator for the Communication Center at TOCC Dispatch to install fiber network lines between the Colorado City Town Hall and the Dispatch Sever Room. This installation provides more reliable connectivity for the city network.

Administration:

Staff have been working with the purchase of the Well #17 Pump, motor, Variable Frequency Drive (VFD), meter, Supervisory Control and Data Acquisition (SCADA) programs, valves, power supply, wiring and other items to place the well in service once we have the proper permitting completed. Staff have secured an Engineer to submit the proper permits for Well #17 and the Academy Well for approval to operate this Spring.

The Rate Study, through the Rural Community Assistance Corporation (RCAC), is now substantially complete and will be reviewed the first full week of February by staff to verify the opportunities to increase rates and provide for conservation measures, as required by EPA, Arizona and Utah. Once we have the basis for the rates agreed upon there will be a presentation with the Utility Advisory Board for discussion on the rate structure and timing of the increases in early 2024. Once the initial rate options have been discussed and reviewed by the Utility Advisory Board and further action taken, if needed, a recommendation and review with the Councils will be scheduled. The project is being funded through the United States Department of Agriculture – Rural Development (USDA-RD).

During recent sampling, PFAS was found in three culinary wells. Staff immediately shut off the highest PFAS level well and the water is fine for drinking. There will be follow up sampling and reviews of the opportunities to address the chemical in the water.

Staff have been working on design and cost for the installation of a Booster Pump Station to eliminate the low-pressure zone in the southwest portion of Hildale. The consulting engineer has located the best place in the system to install the booster pumps to provide the greatest positive impact to the system. 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. Given the timing of the work and bidding process, the work will be done after the peak summer season of 2024.

Utilities staff have researched the conversion of the current gas and water meter reading system using an updated version that will provide better service and reliability. The current system, Badger Meter, has discontinued the gas meter portion of the sales. 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. Staff are waiting on the bids to come in for the units and conversion along with the interface with the current billing system. Once the costs have been received, a presentation and recommendation will be provided to the Board and Councils.

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

With three and one half (3 ½) current vacancies, Human Resources and Utility staff are working on hiring replacement staff and provide training for the existing staff and the new hires.

Staff have started discussions with Apple Valley and Centennial Park on Sewer opportunities.

Utility Advisory Board Recommendation Memorandum

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

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

Date: January 27, 2024

Cc: Utility Advisory Board Members, Jerald A Postema, Utility Director, Nathan Fischer, Utility Superintendent, Athena Crawley, Utility Administrative Assistant, Sirrene Barlow, City Recorder, Shirley Zitting, Town Clerk

Re: **Recommendations for Hildale City Council and Colorado City Town Council approval of the Hildale-Colorado City Water Master Plan (January 2024) with additional new language added for better definition.**

On January 25, 2024, 6:00 pm at the **Utility Advisory Board Regularly Scheduled Meeting** at Hildale City Hall, the members reviewed and took action on the following: Approval of the Hildale-Colorado City Water Master Plan (January 2024) with additional new language added for better definition.

On January 25, 2024, 6:00 pm at the **Infrastructure Improvements Advisory Committee Session** at Hildale City Hall, the members reviewed and took action on the following: Approval of the Hildale-Colorado City Water Master Plan (January 2024) with additional new language added for better definition.

This report respectfully submitted by the Utility Advisory Board Members.

Utility Advisory Board Recommendation Memorandum

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

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

Date: January 27, 2024

Cc: Utility Advisory Board Members, Jerald A Postema, Utility Director, Nathan Fischer, Utility Superintendent, Athena Crawley, Utility Administrative Assistant, Sirrene Barlow, City Recorder, Shirley Zitting, Town Clerk

Re: **Recommendations for Utility Department/Colorado City Human Resources to Adopt and Implement the Attached Wage and Classification Program**

On January 25, 2024, 6:00 pm at the Utility Advisory Board Regularly Scheduled Meeting at Hildale City Hall, the members reviewed and took action on the following: Recommended the Councils Approve and Adopt the Utility Department Wage and Classification Document which will reflect the annual Council's Approved Cost of Living Increase (See Attached Document).

PROPOSED HCC Utility Department

January 2024

Pay Grade*	Position Title	FLSA	Min	Midpoint	Max	
0-0	Utility Technician Trainee/Apprentice	N	$ 19.20	$19.87	$20.03	
1-0*	Utility Services Operator Grade 1	N	$ 20.03	$ 23.78	$ 27.54	
2-0	Utility Services Operator Grade 2	N	$21.43	$25.44	$29.46	
3-0	Utility Services Operator Grade 3	N	$22.93	$27.22	$31.52	
4-0	Lead Utility Services Operator	N	$24.53	$29.12	$33.72	
5E	Utility Supervisor	E	$27.45	$33.36	$39.27	
6E	Utility Superintendent	E	$39.27	$43.05	$46.82	
	*1-0 Denotes Grade 1 Operator					
	Proposed 1/25/2024					

The above table for wage and compensation allows incentive pay for staff who study for and receive certifications in the various areas of discipline (Sewer Collections, Sewer Treatment, Water Distribution, Water Treatment, Water Production, Natural Gas, Propane Gas, Fiber) within Utility's. The

Trainee/Apprentice Position is not eligible for a Grade Increase until they have successfully passed the probationary period. Any increase to a higher Grade is predicated on the employee being in good standing within the Department/City/Town with no disciplinary action over the past twelve (12) months.

This model may also be used for compensation in other departments within the City and Town. The model may provide incentives for certifications for specific job functions in the other areas within the City and Town.

This model provides a range which allows the departmental Administrator flexibility for rewarding employees based on performance, productivity and additional growth within the department and based on the annual appraisals, goal setting and job accomplishments. Based on the year and the budget it may be possible to set a maximum increase in any given year allowed by the City or Town Manager within the ranges.

Once a person is at a pay range in a category and receives additional certification and a positive appraisal, they will be eligible for promotion into the next Grade Level but the pay shall not be less or equal to the employees wage prior to the appraisal.

This report respectfully submitted by the Utility Advisory Board Members.

ANNUAL REPORT 2023

HEAIC

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985 N. Box Elder St.

Hildale, UT 84784

SUMMARY

Budget Highlights

Category	Budget	2023	2024
Water Service	$119,261	$77,420	$41,841
Meter	$15,000	$0	$15,000
Road Access	$40,000	$0	$40,000
Stabilize Bank	$50,000	$0	$50,000
Rofin Laser	$50,000	$50,000	$0
3D Printing	$70,000	$239	$69,761
Exterior	$29,800	$540	$29,260
Programs	$20,000	$12,290	$9,695
Materials	$5,000	$0	$5,000
Salary	$90,000	$59,375	$86,539
Total	$389,061	$199,882	$347,096

2024 Calendar

Start a Business Classes – Jan 2,9,16,23, May 2,9,16,23 and Sept 11,18,25,Oct 2

Women's Business Conference – March 22

UZONA Chamber Business Expo – April

Condor Track Construction - May

Greater Zion Destination Grant - June

Rural Opportunity Grant - Sept / Nov,

NICA Competition Event – Oct.

Watch For:

Monthly webinars on marketing

Makerspace by appoint with open lab days

"Innovation is the ability to see change as an opportunity, not a threat" ~ Steve Jobs

PROGRAM PROGRESS

The principal objective of the Hildale Economic Advancement and Innovation Center (HEAIC) is to increase revenue for local businesses and employment opportunities for residents. The traditional model for a facility-based "innovation center" started in the 1950's when cities began to repurpose older buildings not in use. There are two general types of innovation centers, incubators and accelerators.

The idea behind facility incubation is that new ventures can receive product design services, customer segment evaluation, marketing expertise, prototyping, and funding. Accelerators, on the other hand, focus on existing businesses growth and training. Because Hildale has a tourism driven economy, a tourism Welcome center is also included. This center and its program is possible because of funds receive from the Rural Communities Opportunity Grant (RCOG) for the purpose of:

1) Hiring an innovation coordinator
2) Upgrading the 5 acre area and renovate the existing building at 985 N Box Elder St.
3) Purchasing Innovative Equipment

2023 Budget Summary

The funds received from the initial Rural Communities Opportunity Grant was receive March 2023 and was utilized in the following ways:

- Water Service / Fire Hydrants Upgrade: (Budget -$119,261) – to include labor, piping, valves and fire hydrants required to bring the building compliant with fire code.
- Meter & Installation: ($15,000) This cost reflects the installation of the upgraded meter and piping to the building specifically, and it does include labor.
- Road Access & Parking: ($40,000)* This cost includes road base and grading for the driveway and parking areas. ($23,812 - matching) will go towards providing in-kind services for Road Access and Parking Lot materials and labor.
- Flood Control & Bank Stabilization: ($50,000.00) This cost includes a grading wall for flood control and bank stabilization next to the HEAIC.
- Exterior Renovations: ($29,800)

This cost includes upgraded siding with ice and water shielding, rain gutters, and outdoor watering system

- Rofin Laser: $(50,000) Cost for the purchase and delivery of equipment.
- ProJet 2500 Plus 3D Printer: ($70,000) Cost for the purchase, delivery, training, and equipment setup.
- Tourism Media & Materials: ($15,000) Toward the creation and distribution of tourism materials.
- Innovation Coordinator: ($90,000) Toward the hiring of a managers to include salary and benefits.
- Contract Staffing & Programming: ($20,000) Toward the creation and distribution of tourism materials.
- Programming Materials: ($5,000) primarily be print and digital media to accompany programming and support.

Goals

The initial goals for the project, outlined in the grant are as follows:

1. To increase wages by 5%
2. To increase tourism by 5%
3. Identify or cultivate one manufacturer that can employ at least 10 people

2023 Program Highlights

Since April 2023, the innovation coordinator has been meeting with patrons one-on-one and in groups to accomplish program goals with new businesses as a primary focus.

- Startup businesses make up one percent of total employment but contribute to 90 percent of employment growth.

We have partnered with the Utah Tech Zions Bank Business Resource Center. Wyatt Anderson has facilitated a series of startup classes that have yielded immediate results.

During the class they refined their ideas and market. Utah Tech provided additional help through Wyatt to help them establish and LLC and an intern created a logo for them. The 2023 startup program participation include:

Inquiries	One-On-One Meetings	Group Participants	Graduated Companies
42	8	22	2

One program goal is to increase wages. Wages increased 2.7% year over year from 2020 to 2021. A 5% increase in wages will increase by adding new jobs through staring new businesses, but also by changing the business mix.

- The key population of full-time working adults aged 18-64, who reside in Hildale, is 1,541 as of 2021Q4. The total participation rate for Hildale City was 49%. Utah participation is 68%. This could be attributed to people working informally.
- The average worker in the City of Hildale, UT earned annual wages of $41,331. For comparison, the annual average wages were $65,055 in the nation.
- The largest business sector in the City of Hildale is Construction, employing 269 workers. The next-largest sectors in the region is Manufacturing (142 workers)

As overall jobs increase, we will see manufacturing and construction jobs increase in greater proportions because these are the largest segments of our economy. This organic growth will bring us closer to the National and Utah wage averages.

The other stated goal is to incubate or recruit one new manufacturing business with at least 10 new jobs. This would change the business mix and make manufacturing a larger segment of our local economy. In 2023, the HEAIC has responded to two RFI's from companies outside the state who are interested in relocating. We have also partnered with the Suazo Business Center and had two companies visit the

Another way to increase wages is through employee training. As and employee skills up, they are more in line to receive promotions and additional responsibilities at work. The Mojave Community College (MCC) has been a great partner on an attempt to increase employee training.

The innovation center coordinator is now affiliated with the College and is on schedule to teach basic leadership and team building. The College is interested and has the resources to market workforce programs. The HEAIC can assist businesses in receiving discounts from

the “Arizona at Work” program via MCC. Utah’s “Custom Fit” program is accessed through Southwest Tech and Dixie Tech, who are also partners of the HEAIC and can help facilitate up to 40% discounts to businesses for employee training.

Another stated goal we have is to increase tourism. We are developing a Welcome Center which will allow tourists to stop and learn about Greater Zion from educated staff. This will help them learn about self-guided activities and tours of the area. In addition to this grant, we have applied for two different Federal EDA Tourism Grants and have received preliminary approval that we will be awarded $75,000. This would aid our purchasing of signage branding for the center and help us build a competitive mountain bike course for the Condors to practice on and host races. It is anticipated that 10,000 will visit for this race each fall. Held a tour for representatives from the Greater Zion Tourism Center to receive feedback on building our center, as well as a tour of Maxwell Park. There is an opportunity to receive at least $30,000 in additional funding from the County from the transient room tax (TRT).

Phase Two Plans

Phase two of our grant funded year would begin in April 2024, with a lengthening of our current programs to provide networking opportunities and collaboration among entrepreneurs, building a tourism program, enhancing our workforce training. and build mentoring relationships.

- Nationally, there were 300 new businesses started for every 100,000 employed people who did not already own a business.
- At any given time, about seven percent of the working age population in the United States is considering forming a business.

The HEAIC will participate in RARE assessment. When an accurate number of adult aged residents has been established, we can then determine what a reasonable benchmark will be for our programs. Until then, our goals will be based on numbers recommended by the EDC Utah Innovation Collaborative, with the HEAIC is a member of. Our goals for 2024 will be as follows:

Inquiries	One-On-One Meetings	Group Participants	Graduated Companies
80	12	50	5

2024 Program Activities

We will continue to provide a collaborative community for businesses of all stages. When innovation centers are effective, it is because they create a community of self-support, sharing their knowledge and experience with their peers. They can be a source of emotional support for those struggling to overcome challenges in their business, or to balance life and work. This will increase chances of interactions that lead to new ideas and collaborations. The core services provided will be business planning, introductory courses, short term office space, individualized coaching and mentoring, and partner referrals.

In addition to the core services, there will be umbrella tenants who can be called upon to provide technical assistance to businesses. These providers offer discounted rates to incubator clients in leu of a discounted lease. These providers benefit from their involvement with the incubator in that they may gain access to clients and they may foster a positive community image through their participation. may also be sponsors of events or resources. We have a waiting list of companies seeking office space, including While Your In Town and UZONA Chamber, and Short Creek Radio.

In 2024 we will launch our maker-space, which will include the large industrial laser cutter / engraver. We have purchased a desktop laser cutter and have received two 3D printers as donations. Once aspect of innovation centers is the concept of collaborative consumption. This is the use of expensive, but infrequently used equipment that can be purchased and shared jointly. We have worked out an agreement with Utah's AmeriCorp stem program to provide over the shoulder instruction to our users.

After innovation centers are built, it is typical to transition the programs to a non-profit organization directly supported by a funding source. The 5-acre property and building are owned by the city and in this scenario, would be the landlord to the non-profit tenant. An organization independent of the City can have greater flexibility in raising funds and can act quickly with fewer restrictions on the activities in which it may engage. One part of the HEAIC

building and a large part of the grounds will be used for a tourism center. A tourism program can be better managed by Hildale City staff and can be funded by a direct annual request to the county. Retail space could also be encourporated into the master plan which would provide direct revenue to the city.

HILDALE - COLORADO CITY FIRE DEPARTMENT

Fire Chief's Report to the Board

January 30, 2024

ADMINISTRATIVE ACTIONS: The Year-End Event was held on December 19, 2023. A nice dinner was provided and several members were recognized for length of service, over and above efforts, and training advancements. Promotions were announced, including Porter Barlow to Battalion Chief, Jesse Barlow to Captain, and Jared Zitting, Samuel P. Barlow, Jr., Kendrick Johnson, Sterling Barlow and Jay Jessop to Engineer. Several videos were shown reflecting training, events and responses of the year. All members were given response tools such as a headlamp and a beanie cap. A thumb drive containing the videos and other 2023 information was provided.

Chief Barlow attended the Southwest Regional Response Team meeting in St. George on January 4. He also attended Zoom meetings during the month for the Rural EMS Directors of Utah Executive board and the Utah CISM executive board. The Mohave County Fire Officers meeting was in Bullhead City on January 25.

The AFDA Winter Conference was on January 10-12 in Laughlin, NV. Kevin and Lily attended and received updates on legislation, budgeting, EMS regulations and administrative best practices.

A meeting of the Rural EMS Directors was held in Beaver, Utah on January 22 and 23. Representatives from the Bureau of EMS gave updates on legislation and the transition of the Bureau to DPS from the Department of Health.

Kevin attended the Utah Fire Chiefs Association winter meeting and Leadership Seminar in St. George on January 17 and 18.

TRAINING REPORT: An officers meeting was held on January 3 to develop the master training calendar for 2024. An outline of planned training for every Tuesday evening was developed. The schedule for the Fire Academy was finalized and special events were scheduled.

The January ALS Inservice covered four case studies, including a childbirth, STEMI, and cardiac arrest. Lily presented an overview of a high profile case in Colorado where two paramedics were criminally tried for a case of Ketamine administration resulting in the death of a patient. The case drew national attention and is an important one for our crews to be aware of.

Fire training included an opportunity for station captains to outline their expectations for the year. One evening focused on company drills. An EMS night covered the annual OSHA required refresher on Bloodborne Pathogens and infection control.

The fire academy is well underway, meeting two nights a week and every other Saturday. We started with 12 local recruits, but one withdrew. There are five students from other agencies, including Apple Valley, Hurricane Valley, and Kanab. As part of the SAFER grant, our candidates were processed through the required pre-employment NFPA 1582 physical at an office in Las Vegas. The academy is

supported by the Utah Fire and Rescue Academy, and has included instructors from other agencies. The Mobile Training Unit (MTU) was moved from Station 3 to Station 1 to be closer to the classroom.

Thirteen members were sponsored to classes at the Utah Winter Fire School in St. George on January 19 and 20. Classes included Advanced Command (ICS 400), Leadership topics, live fire exercises, extrication, driving simulators, and grant sources.

Kevin attended a training on CPR and cardiac arrest advancements at the Fort Mohave Mesa Fire Department. Ways to increase cardiac arrest survival rates were introduced.

MAINTENANCE REPORT: The mechanics have been working diligently to install the new motor in Ambulance 110. The motor is now running, but final details of wiring and connections need to be finished before the truck is in service. A111 was out of service for a week while the front wheel seals were replaced.

Several routine services were completed.

Daniel Roy attended a training with the Arizona Fire Mechanics Association in Phoenix on January 26.

We still do not have the final delivery date set for the new Horton Ambulance.

FIRE PREVENTION: The CPR Training Center certified 31 community CPR/First-Aid students.

Jesse attended three days of fire codes and plan review training with the Utah Fire Marshal Association prior to the Winter Fire School in St. George.

Fire Prevention activity continued with several commercial inspections. Numerous building permits were reviewed and approved with the cities.

OTHER:

RESPECTFULLY SUBMITTED:

Kevin J. Barlow, Chief

1/26/24 – Early morning backhoe fire. Cause undetermined.

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

January 2024

DRAFT

PREPARED BY:

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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 City and includes an Impact Fee Analysis. This plan also serves as the Infrastructure Improvements Plan for the Town of Colorado City.

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 gallons / 926 ERU = **308,920 gallon/ERU/year**
308,920 gallon/ERU/year / 365 days/year = **846 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:

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

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

Outdoor Usage:

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

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

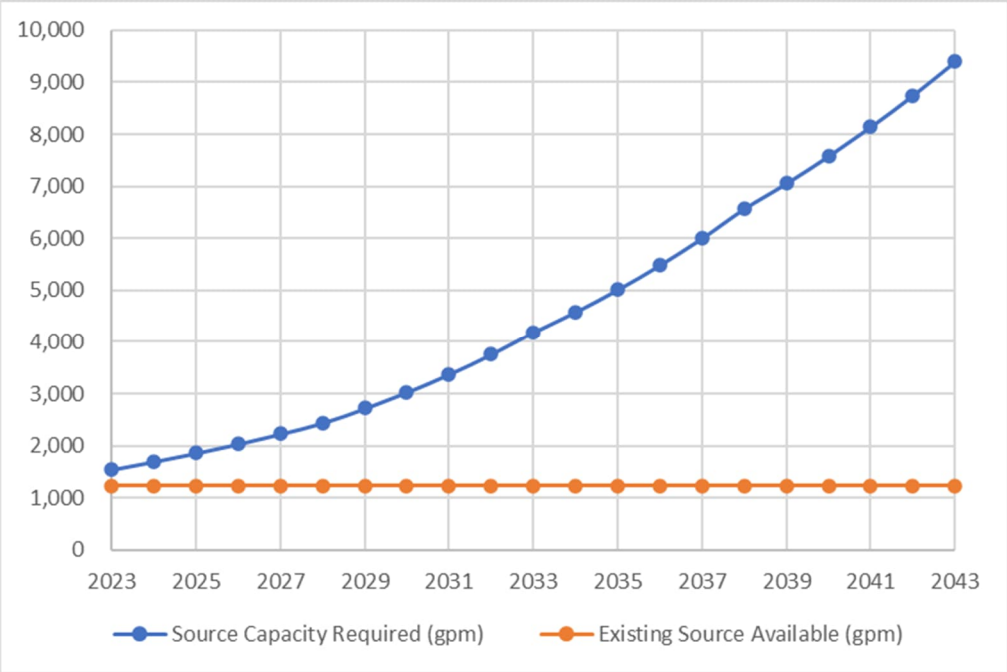
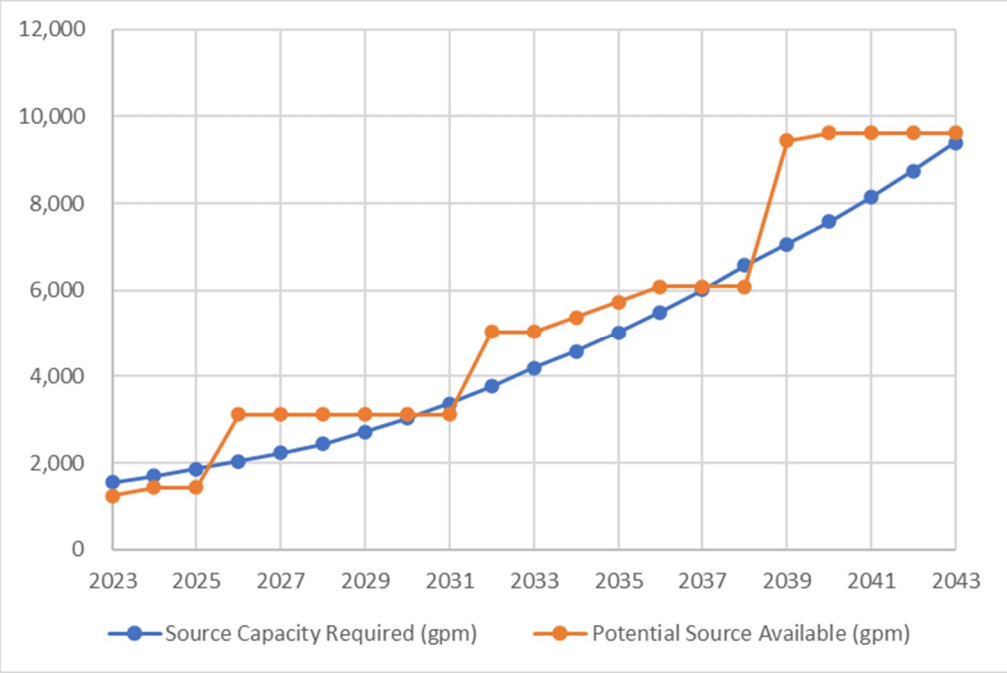


Figure III-8: Projected Source Capacity with Recommended Improvements



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

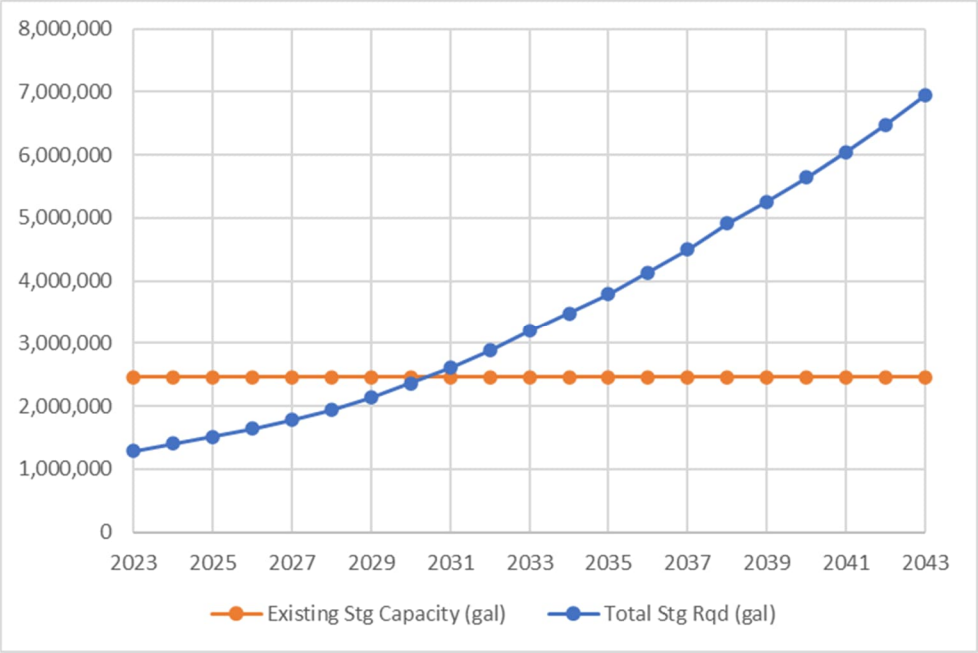
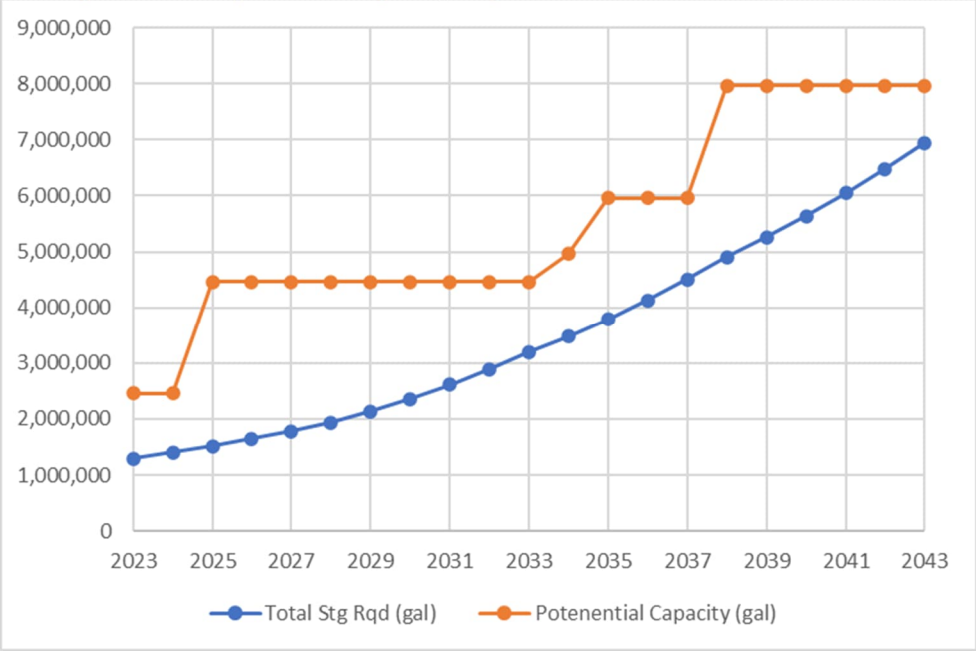


Figure IV-8: Projected Storage Capacity with Recommended Improvements



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

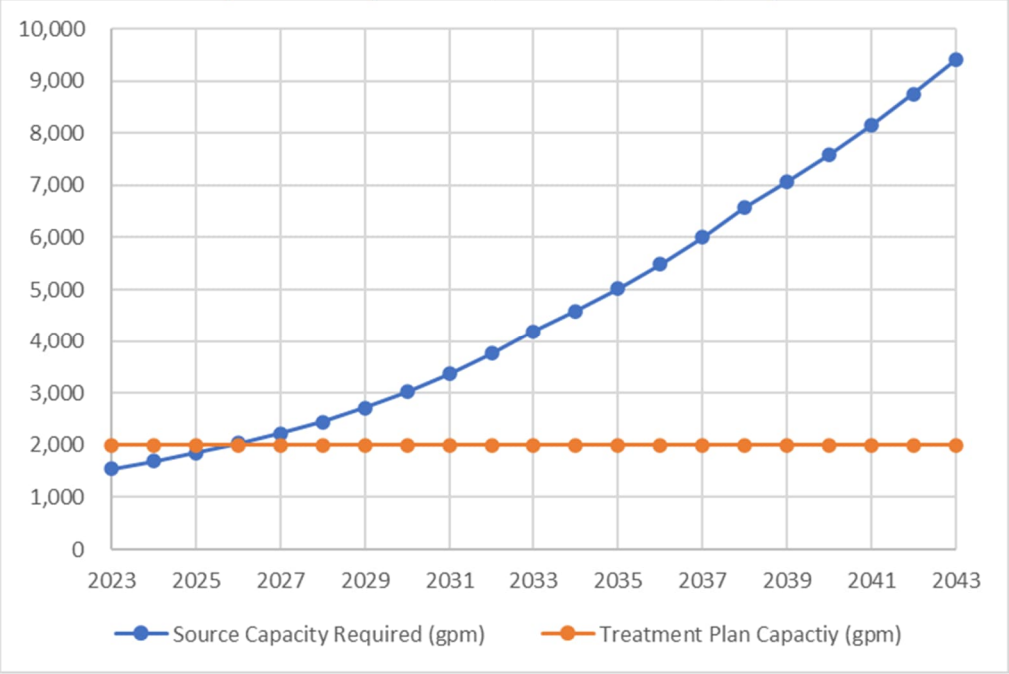
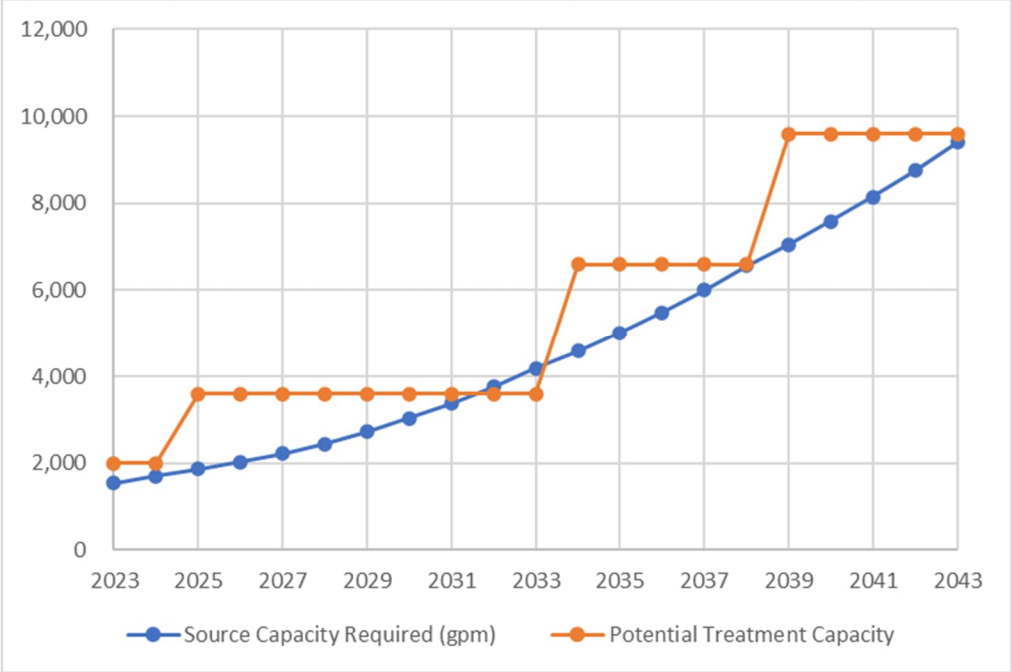


Figure V-6: Projected Available Treatment Capacity with Recommended Improvements



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 ERU						1,447
Average Monthly Water User Rate/ERU						**$51.35**
Charges for Services, Fees, etc.						$891,703
			GRAND TOTAL INCOME:			**$891,703**

X. IMPACT FEE ANALYSIS

This plan constitutes an Impact Fee Facilities Plan (IFFP) and Impact Fee Analysis (IFA) for Hildale City and Infrastructure Improvements Plan for the Town of Colorado City. The Utah Administrative Code allows a community to charge an impact fee to provide funding for the projects required by this growth. The Arizona Administrative Code allows a community to charge a development fee to provide funding for the projects required by this growth. This plan was developed to have the fee comply with both the Utah Administrative Code and the Arizona Revised Statutes and uses the term "impact fee" to refer to development fee in Colorado City as well as the impact fees in Hildale City.

The plan identifies the existing demands on the system as well as future demands which will be placed on the system due to 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 each have different Impact Fee laws that need to be followed for each ordinance. The recommended improvements also do not affect each community equally. Zonal impact fees were established with each community being its own zone.

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 impact fee per meter size for Hildale and Figure X-2 shows the impact fee per meter size for Colorado City. 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- Hildale

Meter Size	ERUs	Impact Fee
5/8" & 3/4"	1.00	$ 12,580.00
1"	1.78	$ 22,364.44
1 1/2"	4.00	$ 50,320.00
2"	7.11	$ 89,457.78
3"	16.00	$ 201,280.00
4"	28.44	$ 357,831.11
6"	64.00	$ 805,120.00

Figure X-2: Maximum Zonal Impact Fee- Colorado City

Meter Size	ERUs	Impact Fee
5/8" & 3/4"	1.00	$ 11,807.00
1"	1.78	$ 20,990.22
1 1/2"	4.00	$ 47,228.00
2"	7.11	$ 83,960.89
3"	16.00	$ 188,912.00
4"	28.44	$ 335,843.56
6"	64.00	$ 755,648.00

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
Irrigatated 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 Capactiy (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)

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

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)	Project Name	Added Storage (gal)	Potenential Capacity (gal)	Potential Surplus (Gal)
2023	1315	0.0%	846	1,112,490	180,000	2,460,000	1,292,490	1,167,510			2,460,000	1,167,510
2024	1447	0.0%	846	1,224,162	180,000	2,460,000	1,404,162	1,055,838			2,460,000	1,055,838
2025	1592	0.5%	842	1,340,098	180,000	2,460,000	1,520,098	939,902	Sandhill Tank 1	2,000,000	4,460,000	2,939,902
2026	1751	1.0%	838	1,466,533	180,000	2,460,000	1,646,533	813,467			4,460,000	2,813,467
2027	1926	1.5%	833	1,604,955	180,000	2,460,000	1,784,955	675,045			4,460,000	2,675,045
2028	2119	2.0%	829	1,756,821	180,000	2,460,000	1,936,821	523,179			4,460,000	2,523,179
2029	2373	2.5%	825	1,957,369	180,000	2,460,000	2,137,369	322,631			4,460,000	2,322,631
2030	2658	3.0%	821	2,181,208	180,000	2,460,000	2,361,208	98,792			4,460,000	2,098,792
2031	2977	3.5%	816	2,430,393	180,000	2,460,000	2,610,393	-150,393			4,460,000	1,849,607
2032	3334	4.0%	812	2,707,741	180,000	2,460,000	2,887,741	-427,741			4,460,000	1,572,259
2033	3734	4.5%	808	3,016,811	180,000	2,460,000	3,196,811	-736,811			4,460,000	1,263,189
2034	4107	5.0%	804	3,300,796	180,000	2,460,000	3,480,796	-1,020,796	Trailhead Tank	500,000	4,960,000	1,479,204
2035	4518	5.5%	799	3,612,005	180,000	2,460,000	3,792,005	-1,332,005	South Concrete Tank	1,000,000	5,960,000	2,167,995
2036	4970	6.0%	795	3,952,343	180,000	2,460,000	4,132,343	-1,672,343			5,960,000	1,827,657
2037	5467	6.5%	791	4,324,452	180,000	2,460,000	4,504,452	-2,044,452			5,960,000	1,455,548
2038	6014	7.0%	787	4,731,695	180,000	2,460,000	4,911,695	-2,451,695	Sandhill Tank 2	2,000,000	7,960,000	3,048,305
2039	6495	7.5%	783	5,082,662	180,000	2,460,000	5,262,662	-2,802,662			7,960,000	2,697,338
2040	7015	8.0%	778	5,459,915	180,000	2,460,000	5,639,915	-3,179,915			7,960,000	2,320,085
2041	7576	8.5%	774	5,864,506	180,000	2,460,000	6,044,506	-3,584,506			7,960,000	1,915,494
2042	8182	9.0%	770	6,298,995	180,000	2,460,000	6,478,995	-4,018,995			7,960,000	1,481,005
2043	8837	9.5%	766	6,765,872	180,000	2,460,000	6,945,872	-4,485,872			7,960,000	1,014,128

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

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

SUNRISE ENGINEERING
11 North 300 West, Washington Utah 84
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Engineer's Opinion of Probable Cost

Treatment Plant Wells 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	Pre-Construction DVD and Project Sign	1	LS	$ 1,500.00	$ 1,500.00
3	GeoPhysical Logging	1	LS	$ 15,000.00	$ 15,000.00
4	Disinfection and Capping	1	LS	$ 4,000.00	$ 4,000.00
5	Well Driller's Report	1	LS	$ 2,500.00	$ 2,500.00
6	Site Restoration	1	LS	$ 10,000.00	$ 10,000.00
7	Misc. Electrical Improvements	1	LS	$ 15,000.00	$ 15,000.00
DEEP WELL					
8	Conductor Casing	100	LF	$ 400.00	$ 40,000.00
9	20" Diameter Well Drilling	700	LF	$ 123.00	$ 86,100.00
10	12" Diameter Well Drilling - Pilot Hole	700	LF	$ 160.00	$ 112,000.00
11	12" Well Casing	600	LF	$ 170.00	$ 102,000.00
12	2" Galvanized Tremie Pipe	100	LF	$ 40.00	$ 4,000.00
13	Furnish and Install Pea Gravel	400	LF	$ 115.00	$ 46,000.00
14	Bentonite Packer	1	LS	$ 6,000.00	$ 6,000.00
15	Conductor Casing Removal	1	LS	$ 8,000.00	$ 8,000.00
16	Flow Meter	1	EA	$ 10,000.00	$ 10,000.00
17	Initial Well Development	40	HR	$ 700.00	$ 28,000.00
18	Install Pump for Development and Testing	1	LS	$ 40,000.00	$ 40,000.00
19	Well Development and Pumping	80	HR	$ 700.00	$ 56,000.00
20	Misc. Well and Pump Testing	1	LS	$ 10,000.00	$ 10,000.00
21	Well Head, Disinfection and Capping	1	LS	$ 8,500.00	$ 8,500.00
22	Well Pad and Pipping	1	LS	$ 15,000.00	$ 15,000.00
SHALLOW WELL					
23	Conductor Casing	1	LS	$ 40,000.00	$ 40,000.00
24	16" Diameter Well Drilling	120	LF	$ 270.00	$ 32,400.00
25	8" Well Casing	80	LF	$ 100.00	$ 8,000.00
26	8" Stainless Steel Screen	40	LF	$ 300.00	$ 12,000.00
27	2" Galvanized Tremie Pipe	20	LF	$ 40.00	$ 800.00
28	Instrument Pipe	120	LF	$ 50.00	$ 6,000.00
29	Furnish and Install Fine Silica Sand	120	LF	$ 125.00	$ 15,000.00
30	Bentonite Packer	1	LS	$ 6,000.00	$ 6,000.00
31	Conductor Casing Removal	1	LS	$ 6,000.00	$ 6,000.00
32	Sanitary Grout Seal	1	LS	$ 150.00	$ 150.00
33	Flow Meter	1	LS	$ 10,000.00	$ 10,000.00
34	Initial Well Development	40	HR	$ 700.00	$ 28,000.00
35	Install Pump for Development and Testing	1	LS	$ 40,000.00	$ 40,000.00
36	Well Development and Pumping	80	HR	$ 700.00	$ 56,000.00
37	Misc. Well and Pump Testing	1	LS	$ 10,000.00	$ 10,000.00
38	Well Head, Disinfection and Capping	1	LS	$ 8,500.00	$ 8,500.00
39	Well Pad and Pipping	1	LS	$ 15,000.00	$ 15,000.00
			SUBTOTAL		**$ 951,250.00**
			CONTINGENCY	20%	**$ 190,300.00**
			CONSTRUCTION TOTAL		**$ 1,141,600.00**
INCIDENTALS					
1	Engineering Design	4.3%	LS	$ 55,000.00	$ 55,000.00
2	Bidding & Negotiating	0.6%	HR	$ 7,500.00	$ 7,500.00
3	Engineering Construction Services	3.7%	HR	$ 47,600.00	$ 47,600.00
4	Topographic & Property Survey	0.4%	EST	$ 5,000.00	$ 5,000.00
5	Permitting	0.8%	EST	$ 10,000.00	$ 10,000.00
6	Funding and Administrative Services	0.9%	EST	$ 12,000.00	$ 12,000.00
7	Miscellaneous Professional Services	0.8%	EST	$ 10,000.00	$ 10,000.00
			SUBTOTAL		$ 147,100.00
			TOTAL PROJECT COST		**$ 1,288,700.00**

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SUNRISE ENGINEERING
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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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SUNRISE ENGINEERING
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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 18-Oct-23
Project Location: Hildale City BCW/tcd

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

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Engineer's Opinion of Probable Cost

Hildale Groundwater Project PH II 18-Oct-23
Project Location: Hildale City BCW/tcd

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

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Engineer's Opinion of Probable Cost

Hildale Groundwater Project PH III 18-Oct-23
Project Location: Hildale City BCW/tcd

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

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Engineer's Opinion of Probable Cost

Arizona Well Fields
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%	**$ 67,600.00**
			CONSTRUCTION TOTAL		**$ 405,700.00**
INCIDENTALS					
1	Engineering Design	7.6%	LS	$ 36,000.00	$ 36,000.00
2	Bidding & Negotiating	1.6%	HR	$ 7,500.00	$ 7,500.00
3	Engineering Construction Services/Miscellaneous Services	5.7%	HR	$ 27,000.00	$ 27,000.00
			SUBTOTAL		$ 70,500.00
			TOTAL PROJECT COST FOR ONE WELL		**$ 476,200.00**
0-5 YEAR WELL FIELD					
	Number of New Wells	7	EA	$ 476,200.00	$ 3,333,400.00
			TOTAL PROJECT COST AZ 0-5 YEAR WELL FIELD		**$ 3,333,400.00**
6-10 YEAR WELL FIELD					
	Number of New Wells	8	EA	$ 476,200.00	$ 3,809,600.00
			TOTAL PROJECT COST AZ 6-10 YEAR WELL FIELD		**$ 3,809,600.00**
11-20 YEAR WELL FIELD					
	Number of New Wells	14	EA	$ 476,200.00	$ 6,666,800.00
			TOTAL PROJECT COST AZ 11-20 YEAR WELL FIELD		**$ 6,666,800.00**

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Engineer's Opinion of Probable Cost

Utah Well Fields 11-Oct-23
Project Location: Hildale City MCG/bcw

NO.	DESCRIPTION	EST. QTY	UNIT	UNIT PRICE	AMOUNT
GENERAL CONSTRUCTION (ONE WELL)					
1	Mobilization	5%	LS	$ 16,099.50	$ 16,099.50
2	Traffic Control	1	LS	$ 2,000.00	$ 2,000.00
3	SWPPP Compliance	1	LS	$ 2,000.00	$ 2,000.00
4	Dust Control & Watering	1	LS	$ 2,000.00	$ 2,000.00
5	Subsurface Investigation	10	HR	$ 40.00	$ 400.00
6	Construction Staking	1	LS	$ 500.00	$ 500.00
7	Clearing, Grubbing, Excavation, & Demolition	1	LS	$ 2,000.00	$ 2,000.00
8	8" Diameter Test Well Drilling	150	LF	$ 87.00	$ 13,050.00
9	Develop and Pump Test Well	1	LS	$ 17,400.00	$ 17,400.00
10	Water Sampling (Full Drinking Water Standard)	1	EA	$ 26,000.00	$ 26,000.00
11	Furnish and Install Conductor Casing (Production Well)	1	LS	$ 7,800.00	$ 7,800.00
12	20" Diameter Production Well Drilling	150	LF	$ 160.00	$ 24,000.00
13	12" Diameter Casing	100	LF	$ 52.00	$ 5,200.00
14	12" Diameter Stainless Steel Screen	50	LF	$ 350.00	$ 17,500.00
15	3" Galvanized Gravel Pack Tremie Pipe	60	LF	$ 16.00	$ 960.00
16	2" Conduit for Level Indicator	150	LF	$ 7.00	$ 1,050.00
17	Concrete Grout and Seal	3	CY	$ 1,200.00	$ 3,600.00
18	Furnish and Install Pea Gravel (Disinfected)	3	CY	$ 350.00	$ 1,050.00
19	Bentonite Plug	1	LS	$ 4,400.00	$ 4,400.00
20	Furnish and Install Fine Silica Sand	3	CY	$ 2,100.00	$ 6,300.00
21	Develop Production Well	150	HR	$ 435.00	$ 65,250.00
22	Production Well Test Pump Equipment	1	LS	$ 17,400.00	$ 17,400.00
23	Test Pump Production Well	48	HR	$ 260.00	$ 12,480.00
24	Recovery Testing	12	HR	$ 175.00	$ 2,100.00
25	Disinfection and Capping	1	LS	$ 550.00	$ 550.00
26	Well House Building	1	LS	$ 75,000.00	$ 75,000.00
27	Piping to Connect to Raw Water System	1	LS	$ 12,000.00	$ 12,000.00
			SUBTOTAL		**$ 338,089.50**
			CONTINGENCY	20%	**$ 67,617.90**
			CONSTRUCTION TOTAL		**$ 405,700.00**
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 18-Oct-23
Project Location: Hildale City BCW/tcd

NO.	DESCRIPTION	EST. QTY	UNIT	UNIT PRICE	AMOUNT
GENERAL CONSTRUCTION					
1	Mobilization	5%	LS	$ 211,800.00	$ 211,800.00
2	Traffic Control	1	LS	$ 5,000.00	$ 5,000.00
3	Pre-Construction DVD & Project Sign	1	LS	$ 1,500.00	$ 1,500.00
4	Dust Control & Watering	1	LS	$ 10,000.00	$ 10,000.00
5	Subsurface Investigation	20	HR	$ 350.00	$ 7,000.00
6	Restore Surface Improvements	1	LS	$ 10,000.00	$ 10,000.00
7	Construction Staking	1	LS	$ 12,000.00	$ 12,000.00
8	Materials Sampling & Testing	1	LS	$ 35,000.00	$ 35,000.00
9	Excavation & Demolition	1	LS	$ 25,000.00	$ 25,000.00
10	Earthwork & Grading	1	LS	$ 400,000.00	$ 400,000.00
11	2MG Concrete Storage Tank	1	LS	$ 2,800,000.00	$ 2,800,000.00
12	Tank Site Appurtenances	1	LS	$ 75,000.00	$ 75,000.00
13	Metering Station	1	LS	$ 40,000.00	$ 40,000.00
14	16" PVC (C900), Fittings, Installation, Pipe Bedding, Trench Backfill	1,360	LF	$ 120.00	$ 163,200.00
15	16" Gate Valve Assembly	4	EA	$ 6,750.00	$ 27,000.00
16	12" PVC (C900), Fittings, Installation, Pipe Bedding, Trench Backfill	2,264	LF	$ 95.00	$ 215,080.00
17	12" Gate Valve Assembly	10	EA	$ 6,500.00	$ 65,000.00
18	Misc. Connections, Fittings and Tie-ins	1	LS	$ 30,000.00	$ 30,000.00
19	Surface Restoration	1	LS	$ 15,000.00	$ 15,000.00
20	Elm Street PRV and Vault	1	EA	$ 100,000.00	$ 100,000.00
21	Valving and Piping to Create New Pressure Zone	1	LS	$ 45,000.00	$ 45,000.00
22	Misc Electrical and SCADA Improvements	1	LS	$ 20.00	$ 20.00
23	Tank Access Road	28,992	SF	$ 2.75	$ 79,728.00
24	Fence and Gate	1	LS	$ 75,000.00	$ 75,000.00
			SUBTOTAL		**$ 4,447,328.00**
			CONTINGENCY	20%	**$ 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 12-Oct-23
Project Location: Hildale City 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 12-Oct-23
Project Location: Colorado City MCG/bcw

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

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Engineer's Opinion of Probable Cost

Sandhill Tank 2 18-Oct-23
Project Location: Hildale City 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) 12-Oct-23
Project Location: Hildale City 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) 12-Oct-23
Project Location: Not Specified 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) 12-Oct-23
Project Location: Not Specified 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%	**$ 259,200.00**
			CONSTRUCTION TOTAL		**$ 1,555,200.00**
INCIDENTALS					
1	Engineering Design	4.6%	LS	$ 79,000.00	$ 79,000.00
2	Bidding & Negotiating	0.4%	HR	$ 7,500.00	$ 7,500.00
3	Engineering Construction Services	3.7%	HR	$ 64,800.00	$ 64,800.00
4	Topographic & Property Survey	0.6%	EST	$ 10,000.00	$ 10,000.00
5	Funding and Administrative Services	0.7%	EST	$ 12,000.00	$ 12,000.00
6	Miscellaneous Engineering Services	0.3%	EST	$ 5,000.00	$ 5,000.00
			SUBTOTAL		$ 178,300.00
			TOTAL PROJECT COST		**$ 1,733,500.00**

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Engineer's Opinion of Probable Cost

Upper Pressure Zone Improvements 17-Oct-23
Project Location: Hildale City 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%	**$ 122,300.00**
			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 Proffesional Services	0.6%	EST	$ 5,000.00	$ 5,000.00
			SUBTOTAL		$ 112,600.00
			TOTAL PROJECT COST		**$ 846,500.00**

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SUNRISE ENGINEERING
11 North 300 West, Washington Utah 84
Tel 435.652.8450 | **FAX** 435.652.8416

Engineer's Opinion of Probable Cost

Canyon Street Line 17-Oct-23
Project Location: Hildale City MCG/bcw

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

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SUNRISE ENGINEERING
11 North 300 West, Washington Utah 847
Tel 435.652.8450 | **FAX** 435.652.8416

Engineer's Opinion of Probable Cost

Northwest Hildale Transmission Line 17-Oct-23
Project Location: Hildale City 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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SUNRISE ENGINEERING
11 North 300 West, Washington Utah 84
Tel 435.652.8450 | **FAX** 435.652.8416

Engineer's Opinion of Probable Cost

Hildale Street Line 17-Oct-23
Project Location: Colorado City MCG/bcw

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

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SUNRISE ENGINEERING
11 North 300 West, Washington Utah 847
Tel 435.652.8450 | **FAX** 435.652.8416

Engineer's Opinion of Probable Cost

Southwest Hildale Transmission Line 17-Oct-23
Project Location: Hildale City 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%	**$ 119,100.00**
			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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SUNRISE ENGINEERING
11 North 300 West, Washington Utah 847
Tel 435.652.8450 | **FAX** 435.652.8416

Engineer's Opinion of Probable Cost

Transmission Line to Airport 17-Oct-23
Project Location: Colorado City MCG/bcw

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

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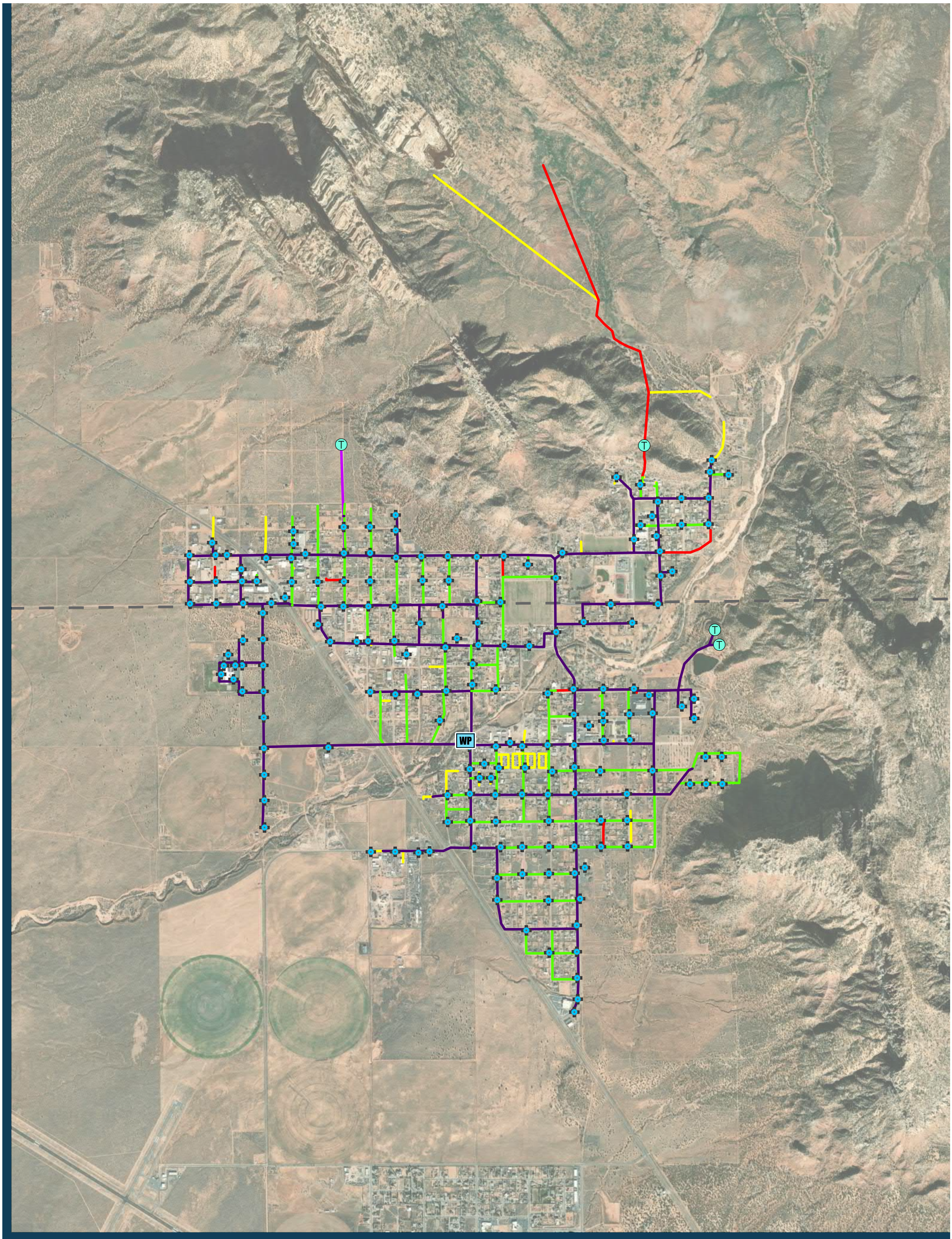
APPENDIX D
System Maps

EXISTING WATER SYSTEM



MAP LEGEND

North

0 1,125 2,250

1 In = 2,250 Feet

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

Water Hydrants

Water Tank

Treatment Plant

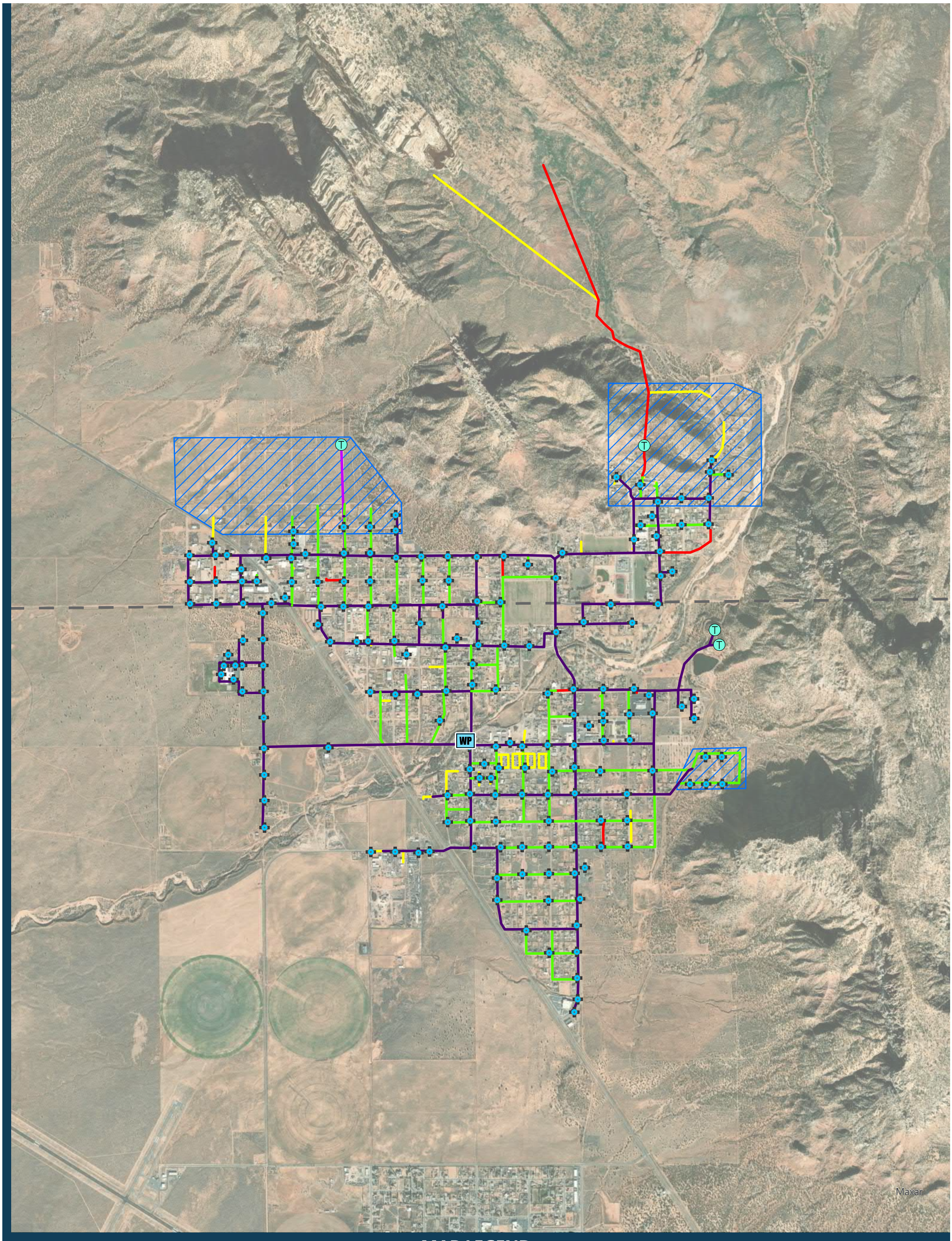
State Boundary

Hildale City
WELCOME HOME

Map Date: 10.27.2023

SUNRISE ENGINEERING

LOW FIRE FLOW AREA



MAP LEGEND

North

0 1,125 2,250

1 In = 2,250 Feet

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

Water Hydrants

Water Tank

WP Treatment Plant

Pressure Zones

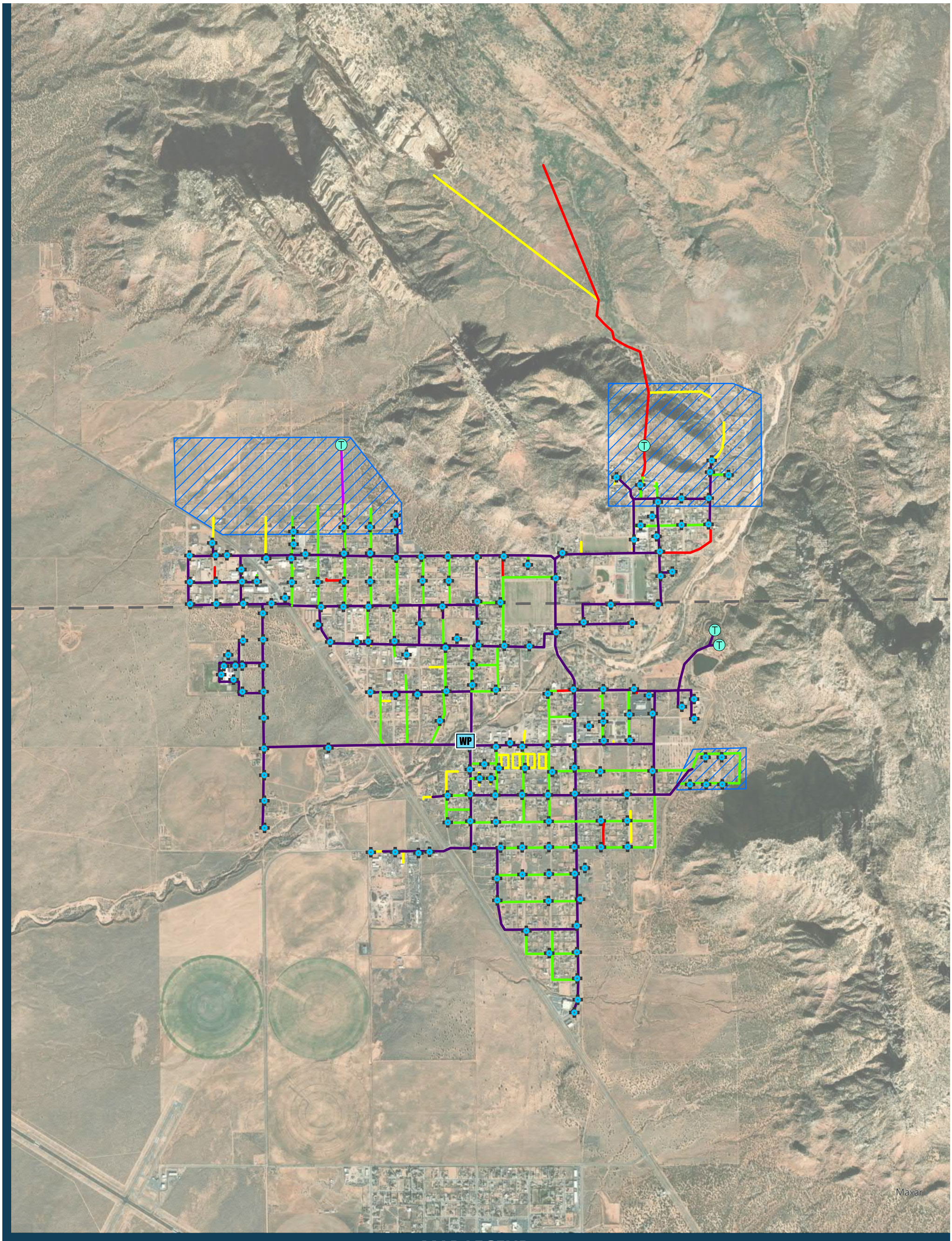
State Boundary

Hildale City
WELCOME HOME

Map Date: 10.27.2023

SUNRISE ENGINEERING

LOW PRESSURE DURING PDD SCENARIO



MAP LEGEND

North

0 1,125 2,250

1 In = 2,250 Feet

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

Water Hydrants

Water Tank

WP Treatment Plant

Pressure Zones

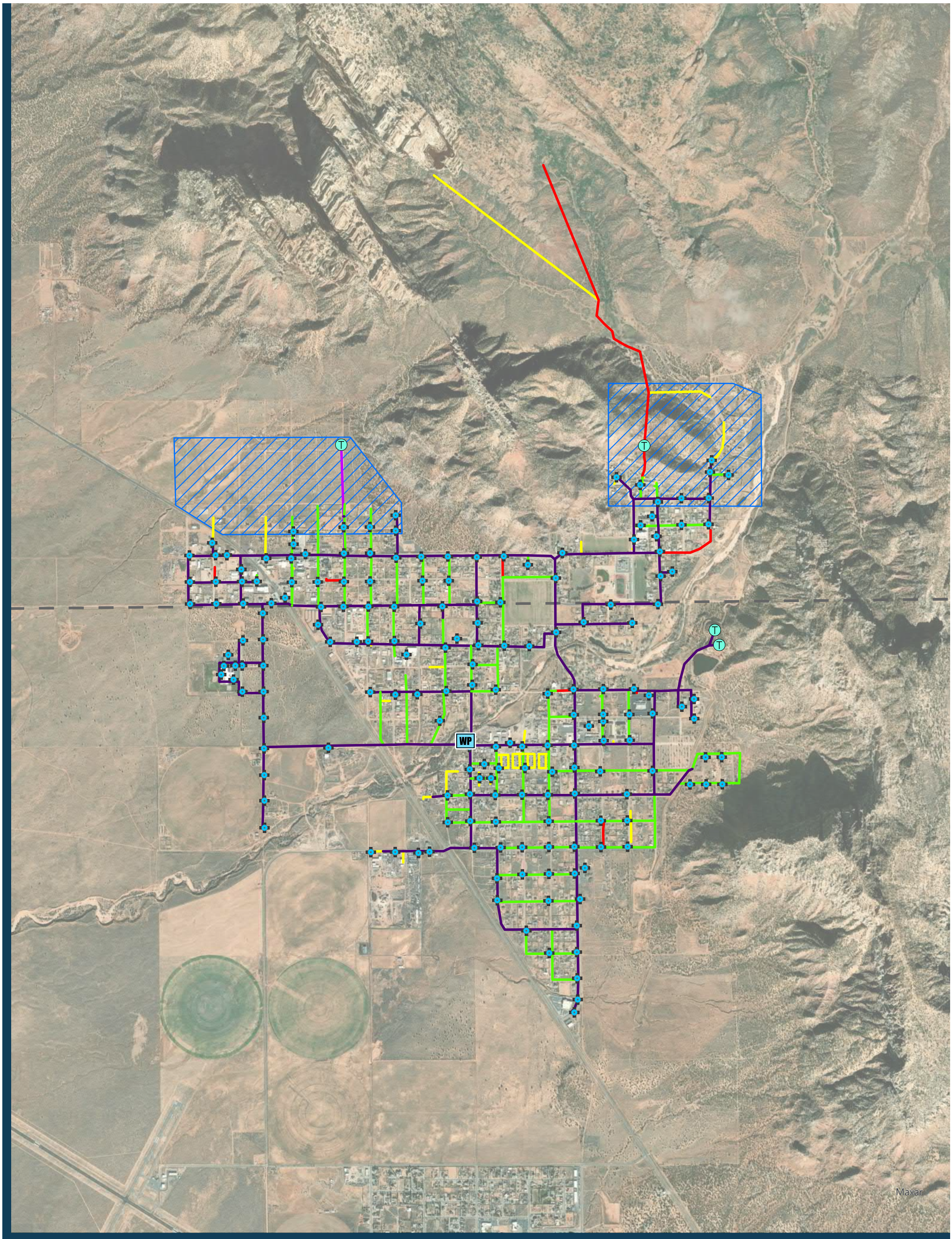
State Boundary

Hildale City
WELCOME HOME

Map Date: 10.27.2023

SUNRISE ENGINEERING

LOW PRESSURE DURING PID SCENARIO



MAP LEGEND

North

0 1,125 2,250

1 In = 2,250 Feet

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

Water Hydrants

Water Tank

Treatment Plant

Pressure Zones

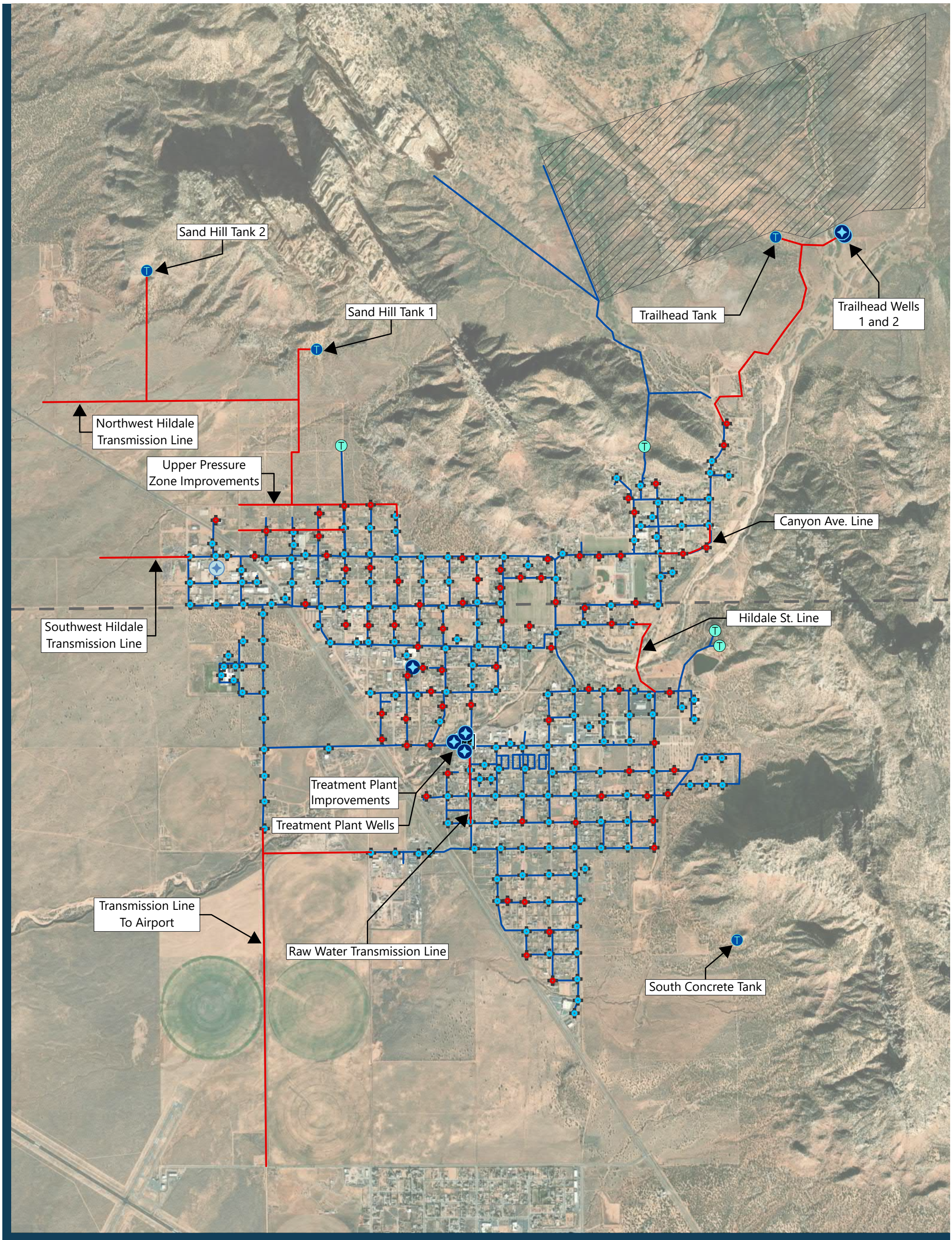
State Boundary

Hildale City
WELCOME HOME

Map Date: 10.27.2023

SUNRISE ENGINEERING

RECOMMENDED IMPROVEMENTS



MAP LEGEND

0 1,125 2,250

1 In = 2,250 Feet

Recommended Improvements
- Water Mains
- Water Hydrants
- Water Tank
- Production Well
- Hildale Ground Water Project Area

Existing Water System
- Water Mains
- Water Hydrants
- Water Tank
- Production Well
- WP Treatment Plant

State Boundary

Map Date: 10.27.2023

Hildale City
WELCOME HOME

SUNRISE ENGINEERING

APPENDIX E
Impact Fee Analysis

Impact Fee Projects & Impact Fee Eligibility

Source Projects	Current Costs	Year	Costs w/ Inflation*	Financed Costs**	% IF El.	IF El. Cost	% Hildale	Hildale IF EL. Cost	% Colorado City	Colorado City IF EL. Cost
Treatment Plant Wells	$ 1,288,700.00	2024	$ 1,327,361	$ 976,695	0.0%	$ -	50%	$ -	50%	$ -
5 Year AZ Well Field	$ 3,333,400.00	2026	$ 3,642,496	$ 2,680,212	84.3%	$ 2,259,419	50%	$ 1,129,709.00	50%	$ 1,129,709.55
5 Year UT Well Field	$ 6,923,700.00	2026	$ 7,565,714	$ 5,566,985	84.3%	$ 4,692,968	50%	$ 2,346,484.00	50%	$ 2,346,484.07
10 Year AZ Well Field	$ 3,809,600.00	2032	$ 4,970,664	$ 3,657,502	100.0%	$ 3,657,502	50%	$ 1,828,750.00	50%	$ 1,828,750.76
10 Year UT Well Field	$ 7,912,800.00	2032	$ 10,324,409	$ 7,596,881	100.0%	$ 7,596,881	50%	$ 3,798,440.00	50%	$ 3,798,440.52
			Sub total	$ 20,478,275		$18,206,770		$ 9,103,383		$ 9,103,385
Storage Projects										
Sandhill Tank 1	$ 5,938,100.00	2025	$ 6,299,730	$ 4,635,452	100.0%	$ 4,635,452	70%	$ 3,244,816.00	30%	$ 1,390,635.54
			Sub total	$ 4,635,452		$ 4,635,452		$ 3,244,816		$ 1,390,636
Water Treatment Projects										
Raw Water Transmission Line	$ 1,092,500.00	2024	$ 1,125,275	$ 827,997	0.0%	$ -	50%	$ -	50%	$ -
Small Treatment Plant (1,600 gpm)	$ 5,904,800.00	2025	$ 6,264,402	$ 4,609,457	100.0%	$ 4,609,457	50%	$ 2,304,728.00	50%	$ 2,304,728.44
			Sub total	$ 5,437,454		$ 4,609,457		$ 2,304,728		$ 2,304,728
Distribution System Projects										
Fire Hydrant Project	$ 1,733,500.00	2024	$ 1,785,505	$ 1,313,806	0.0%	$ -	50%	$ -	50%	$ -
Upper Pressure Zone Improvements	$ 846,500.00	2026	$ 924,993	$ 680,626	50.0%	$ 340,313	100%	$ 340,313.00	0%	$ -
Canyon St. Line	$ 388,900.00	2028	$ 450,842	$ 331,737	0.0%	$ -	50%	$ -	50%	$ -
Northwest Hildale Transmission Line	$ 1,977,400.00	2028	$ 2,292,349	$ 1,686,750	100.0%	$ 1,686,750	100%	$ 1,686,750.00	0%	$ -
Hildale St. Line	$ 454,390.00	2030	$ 558,842	$ 411,206	0.0%	$ -	50%	$ -	50%	$ -
			Sub total	$ 4,424,126		$ 2,027,063		$ 2,027,063		$ -
Future Planning Projects										
Capital Facilities Plan and IFFP & IFA Updat	$ 60,000	2028	$ 69,556	$ 79,474	100.0%	$ 79,474	50%	$ 39,737.00	50%	$ 39,737.17
			Sub total	$ 79,474		$ 79,474		$ 39,737		$ 39,737
			Total	$ 35,054,781		$29,558,216	Impact Fee Amount	$ 16,719,727	Impact Fee Amount	$ 12,838,486
							Number ERU Start 2024	468	Number ERU Start 2024	847
							Number ERU End 2033	1,797	Number ERU End 2033	1,934
							Number New ERU	1,329	Number New ERU	1,087
							Impact Fee per ERU	$ 12,580.00	Impact Fee per ERU	$ 11,807.00

* Inflation is assumed at 3%

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

Request for Appropriations (RFA) Form

Note: *Any information provided on the RFA form may be made public! Additional instructions for filling out the form can be found on the RFA Instructions. Please contact the Legislative Fiscal Analyst's Office for a copy.*

REQUESTER INFORMATION *(Required)*

Legislator: First Name Derrin Last Name Owens Date 01/15/2024

Legislator Signature _____

SECTION 1: REQUEST DETAILS *(Required)*

1.1 Does this request fund the fiscal impact of proposed legislation?

Yes ☐ No ☑

If yes, STOP! Do not submit an RFA for the fiscal impact of proposed legislation. RFA forms submitted to LFA for processing will not be entered into the system online if they are associated with legislation.

1.2 Funding request name (No more than six words; do not identify a non-state agency in the name)

Hildale City Maxwell Park

1.3 Funding request description (3-5 sentences)

This project will establish Hildale City Maxwell Park as tourism destination venue within the Grand Circle as it is ideally situated at the feet of the towering red cliffs of the Caanan wilderness. The Park has hosted numerous "headliner" musical performances since 2019, but has insufficient space for attendance due to limited seating and parking. This project increases artist participation, patron attendance, and the overall visitor experience. Traffic, pedestrian, staff, and performer safety will all be enhanced, as well as all access improvements. Beside increasing cultural availability of this venue and within Utah, this will create an improved overall tourist experience; sustainable State, regional, and local revenues; economic development opportunities; and improved infrastructure to support tourism safety and amenities.

1.4 For more information on the project, the Legislative Fiscal Analyst's Office should contact:

- Name: Eric Duthie
- Organization: Hildale City
- Position: City Manager
- Email: ericd@hildalecity.com
- Phone: 435-592-5346

1.5 Appropriations Committee Recommended to hear Request:

- ☑ Business, Economic Development, and Labor (BEDL)
- ☐ Executive Appropriations Committee (EAC)
- ☐ Executive Offices and Criminal Justice (EOCJ)
- ☐ Higher Education (Higher Ed)
- ☐ Infrastructure and General Government (IGG)
- ☐ Natural Resources, Agriculture, and Environmental Quality (NRAEQ)
- ☐ Public Education (Public Ed)
- ☐ Social Services (SS)

SECTION 2: FUNDING INFORMATION *(Required)*

2.1 Identify which fund the appropriation should come from:
Note: *Funding will be appropriated for the New Year (or Budget Year). You can change this in the online form.*

• General Fund:	One-time: $ 3079000	Ongoing: $_____
• Education Fund:	One-time: $_____	Ongoing: $_____
• Transportation Fund:	One-time: $_____	Ongoing: $_____
• Federal Funds:	One-time: $_____	Ongoing: $_____
• ARPA Federal:	One-time: $_____	Ongoing: $_____
• Other*:	One-time: $_____	Ongoing: $_____

*Indicate fund name

2.2 Should unused funding be returned to the state at the end of the fiscal year?

Yes ☐ No ☑

2.3 Is this project scalable if the Legislature does not fund the full requested amount?

Yes ☑ No ☐

2.3a If yes on 2.3, please provide a short explanation describing how the project might be scaled. *(3-5 sentences)*

This project is scalable, as identified in phases of development. The Park is established and has hosted several "headliner" performances since 2019. This project enhances the venue in phases. Phase 1 and 2 enhance inferior or nonexistent infrastructure and amenities, establishes dedicated transportation zones, creates much needed parking and improves park use for revenue generating activities. Phases 3 and 4 will continue the enhancements with pedestrian amenities, trails, and expanded parking.

SECTION 3: AGENCY INFORMATION *(Required)* *(NOTE: State funding CANNOT be appropriated to a non-state agency.)*

3.1: Agency with fiscal oversight (agency that will receive the funding): Governor's Office of Economic Opportu

3.2: Type of entity to receive (select all that apply)

Government	☑	Government Not for Profit (ex., school district foundation)	☐
Private Not for Profit	☐	Private for Profit	☐

SECTION 4: PERFORMANCE OUTCOME MEASUREMENT *(Required)*

4.1: What is the statewide purpose of this project or program? *(Select up to 3 from the list below)*

Economy	■	Governance & Civic Engagement	☐	Justice	☐	Other_____
Education	☐	Health & Wellbeing	☐	Recreation	■	
Environment	☐	Infrastructure & Mobility	■	Safety & Security	☐	

4.2: What is this project or program intended to accomplish? *(3-5 sentences)*

The project is intended to enhance a local tourist venue (within the Grand Circle) to consistently and professionally provide municipal revenue generating entertainment, performances, parking, and infrastructure improvements. These Park enhancements add a safe and accessible tourism venue to the Utah tourism inventory.

4.3: How will the Legislature know whether the project or program is successful? *(Recommend a short-term target for measuring progress; 3-5 sentences)*

Success will be measured by increasing State and local sales tax revenue, which currently is nonexistent for this venue. Additional measurements would include traffic count, visitor satisfaction surveys, performer feedback, and public safety agency assessments to improve large crowd issues and concerns.

SECTION 5: ITEMIZED BUDGET *(Required)*

5.1: Attach a budget proposing how the funding will be used. *Template available on the RFA app on the secure site or from LFA.*

SECTION 6: OTHER SUPPORTING DOCUMENTS *(Not required)*

6.1 Intent Language: *Provide any intent language directing the use of the funding. Intent language cannot change statue or identify a non-state entity to receive funding. Follow this template: "The Legislature intends that ($ amount) from the (funding source) provided by this item be used for (include specific details on what the money should be used to accomplish; do not name any non-state entity).*

6.2 Previous State Funding: *Template available on the RFA app on the secure site or from LFA.*

6.3 Other Notes: *Attach any additional documents you feel are relevant to the Legislature's decision to fund the request.*

SEE ADENDUM PAGE ATTACHED

Request for Appropriations (RFA) Form (addendum)

SECTION 6: OTHER SUPPORTING DOCUMENTS

6.1 Intent Language:

"The Legislature intends that $3,079,000 from the __?____(funding source) provided by this item be used to establish a tax generating tourism destination venue within the Grand Circle at the feet of the towering red cliffs of the Caanan wilderness through improved seating and parking and other infrastructure and amenity development.

6.2 Previous State Funding:

ARPA funds:
FY201/FY21 $336,503

CDBG funds:
FY20 $390,196

SRTS funds:
FY23 $142,448

Broadband funds:
FY22 $75,000

Engineers Estimate of Probable Cost
Maxwell Park Expansion, Hildale, Utah

11-Dec-23

Maxwell Park Improvement Costs

Northern ENGINEERING

Prepared By: Brant Tuttle P.E.

Construction Estimate Based Upon Master Plan dated 12-11-2023

Quantities are Engineer's estimates only. Contractor and owner to use at own discretion.

Developer:	Hildale City	Engineer:	NORTHERN ENGINEERING INC.
Contact Name:		Contact Name:	Brant Tuttle P.E.
Address		Address	1040 E. 800 N.
			OREM, UTAH 84097
Phone:		Phone:	(801) 802-8992
email:		email:	btuttle@neiutah.com

100-A	SITE WORK-NORTH PARKING LOT	Quantity	Unit	Unit Costs	Total
001-	MOBILIZATION	1	L.S.	5000.00	$ 5,000.00
002-	CLEAR & GRUB EXISTING PARKING LOT	52,000	S.F.	0.15	$ 7,800.00
003-	EARTHWORK - PARKING LOT	1,000	Cu.Yd	16.50	$ 16,500.00
004-	COMPACTION TESTING	1	L.S.	1000.00	$ 1,000.00
005-	6" LAYER OF ROADBASE	52000	S.F.	1.15	$ 59,800.00
006-	2.5" LAYER OF ASPHALT	52000	S.F.	2.25	$ 117,000.00
007-	STRIPING PARKING LOT	1	L.S.	3500.00	$ 3,500.00
008-	LANDSCAPE PARKING LOT	5200	S.F.	2.50	$ 13,000.00
009-	PARKING LOT LIGHTING AND POWER	1	L.S.	55000.00	$ 55,000.00
		Site Work-North Parking Lot Sub-Total			*$ 278,660.00*

100-B	SITE WORK-WEST PARKING LOT	Quantity	Unit	Unit Costs	Total
001-	MOBILIZATION	1	L.S.	5000.00	$ 5,000.00
002-	CLEAR & GRUB EXISTING PARKING LOT	296,100	S.F.	0.15	$ 44,415.00
003-	EARTHWORK - PARKING LOT	12,000	Cu.Yd	16.50	$ 198,000.00
004-	COMPACTION TESTING	1	L.S.	2500.00	$ 2,500.00
005-	6" LAYER OF ROADBASE	296100	S.F.	1.15	$ 340,515.00
006-	2.5" LAYER OF ASPHALT	296100	S.F.	2.25	$ 666,225.00
007-	STRIPING PARKING LOT	1	L.S.	7500.00	$ 7,500.00
008-	LANDSCAPE PARKING LOT	29610	S.F.	2.50	$ 74,025.00
009-	PARKING LOT LIGHTING AND POWER	1	L.S.	50000.00	$ 50,000.00
		Site Work-West Parking Lot Sub-Total			*$ 1,388,180.00*

100-C	SITE WORK-EAST PARKING LOT	Quantity	Unit	Unit Costs	Total
001-	MOBILIZATION	1	L.S.	5000.00	$ 5,000.00
002-	CLEAR & GRUB EXISTING PARKING LOT	45,000	S.F.	0.15	$ 6,750.00
003-	EARTHWORK - PARKING LOT	1,700	Cu.Yd	16.50	$ 28,050.00
004-	COMPACTION TESTING	1	L.S.	1000.00	$ 1,000.00
005-	6" LAYER OF ROADBASE	45000	S.F.	1.15	$ 51,750.00
006-	2.5" LAYER OF ASPHALT	45000	S.F.	2.25	$ 101,250.00
007-	STRIPING PARKING LOT	1	L.S.	3000.00	$ 3,000.00
008-	LANDSCAPE PARKING LOT	4500	S.F.	2.50	$ 11,250.00
009-	PARKING LOT LIGHTING AND POWER	1	L.S.	30000.00	$ 30,000.00
		Site Work-East Parking Lot Sub-Total			*$ 238,050.00*

100-D	SITE WORK-EXISTING SOUTH PARKING LOT	Quantity	Unit	Unit Costs	Total
001-	MOBILIZATION	1	L.S.	5000.00	$ 5,000.00
002-	COMPACTION TESTING	1	L.S.	1000.00	$ 1,000.00
003-	6" LAYER OF ROADBASE	45000	S.F.	1.15	$ 51,750.00
004-	2.5" LAYER OF ASPHALT	45000	S.F.	2.25	$ 101,250.00
005-	STRIPING PARKING LOT	1	L.S.	3000.00	$ 3,000.00
006-	LANDSCAPE PARKING LOT	4500	S.F.	2.50	$ 11,250.00
007-	PARKING LOT LIGHTING AND POWER	1	L.S.	30000.00	$ 30,000.00
		Site Work-South Parking Lot Sub-Total			*$ 203,250.00*

200-	SANITARY SEWER DESCRIPTION	Quantity	Unit	Unit Costs	Total
001-	8" PVC SANITARY SEWER LINE	4260	LF	50.00	$ 213,000.00
002-	5' DIA SEWER MANHOLES.	20	EA	7500.00	$ 150,000.00
003-	4" SEWER LATERAL	5	EA	1500.00	$ 7,500.00
004-	CLEAN, FLUSH & AIR TEST	1	L.S.	5000.00	$ 5,000.00
		Sanitary Sewer Sub-Total			*$ 375,500.00*

1 of 3

300-A	NATURAL GAS LINE TO RECEPTION CENTER	Quantity	Unit	Unit Costs	Total
001-	2" PVC PRESSURIZED NATURAL GAS LINE	4260	LF	25.00	$ 106,500.00
002-	CLEAN & AIR TEST	1	LS	1500.00	$ 1,500.00
		Natural Gas Sub-Total			*$ 108,000.00*

300-B	FIBER OPTIC LINE TO RECEPTION CENTER	Quantity	Unit	Unit Costs	Total
001-	FIBER OPTIC LINE	4260	LF	25.00	$ 106,500.00
		Fiber Optic Sub-Total			*$ 106,500.00*

300-C	UNDERGROUND POWER LINE TO RECEPTION CENTER	Quantity	Unit	Unit Costs	Total
001-	BURIED POWER LINE	6365	LF	30.00	$ 190,950.00
		Buried Power Sub-Total			*$ 190,950.00*

400-	CULINARY WATER DESCRIPTION	Quantity	Unit	Unit Costs	Total
001-	8" PVC CULINARY WATER MAIN	6060	LF	50.00	$ 303,000.00
002-	8" GATE VALVE	8	EA	2500.00	$ 20,000.00
003-	VALVE COLLAR	8	EA	400.00	$ 3,200.00
004-	8" TEES & BENDS	3	EA	1100.00	$ 3,300.00
005-	NEW FIRE HYDRANT	6	EA	4500.00	$ 27,000.00
006-	NEW 3/4" WATER SERVICE & METER	6	EA	1500.00	$ 9,000.00
007-	PRESSURE TEST, DISINFECTION & FLUSH NEW WATER LINES	1	LS	1500.00	$ 1,500.00
		Culinary Water Sub-Total			*$ 367,000.00*

600-	ROADWAY-TWO WAY THROUGH PARK	Quantity	Unit	Unit Costs	Total
001-	MOBILIZATION	1	LS	5000.00	$ 5,000.00
002-	CLEARING AND GRUBBING ROADWAY	162,000	SF	0.15	$ 24,300.00
003-	8" LAYER STRUCTURAL FILL	162,000	SF	0.80	$ 129,600.00
004-	6" LAYER ROAD BASE UNDER ASPHALT	162,000	SF	1.15	$ 186,300.00
005-	2.5" ASPHALT LAYER 36' WIDE	145,800	SF	2.25	$ 328,050.00
006-	ROADWAY STRIPING	1	LS	5000.00	$ 5,000.00
007-	STREET SIGNS	1	LS	3500.00	$ 3,500.00
		Roadway-Two Way Sub-Total			*$ 681,750.00*

605-	ROADWAY-ONE WAY THROUGH PARK	Quantity	Unit	Unit Costs	Total
001-	MOBILIZATION	1	LS	5000.00	$ 5,000.00
002-	CLEARING AND GRUBBING ROADWAY	49,200	SF	0.15	$ 7,380.00
003-	8" LAYER STRUCTURAL FILL	49,200	SF	0.80	$ 39,360.00
004-	6" LAYER ROAD BASE UNDER ASPHALT	49,200	SF	1.15	$ 56,580.00
005-	2.5" ASPHALT LAYER 16' WIDE	39,360	SF	2.25	$ 88,560.00
006-	ROADWAY STRIPING	1	LS	3000.00	$ 3,000.00
007-	STREET SIGNS	1	LS	1500.00	$ 1,500.00
		Roadway-One Way Sub-Total			*$ 201,380.00*

610-	ROADWAY REPAIR FOR UTILITY LINE EXTENSION TO PARK	Quantity	Unit	Unit Costs	Total
001-	CLEAR, GRUB & ASPHALT REMOVAL OF EXISTING ROAD	108,000	SF	0.15	$ 16,200.00
002-	8" LAYER STRUCTURAL FILL	108,000	SF	0.80	$ 86,400.00
003-	6" LAYER ROAD BASE UNDER ASPHALT	108,000	SF	1.15	$ 124,200.00
004-	2.5" ASPHALT LAYER 24' WIDE	108,000	SF	2.25	$ 243,000.00
005-	ROADWAY STRIPING	1	LS	3000.00	$ 3,000.00
		Roadway Utility Repair Sub-Total			*$ 472,800.00*

615-	PEDESTRIAN TRAIL FROM WEST PARKING LOT TO PARK	Quantity	Unit	Unit Costs	Total
001-	CLEAR & GRUB TRAIL	8,800	SF	0.15	$ 1,320.00
002-	6" LAYER ROAD BASE UNDER ASPHALT	8,800	SF	1.15	$ 10,120.00
003-	2.5" ASPHALT LAYER 12' WIDE	6,600	SF	2.25	$ 14,850.00
		Pedestrian Trail Sub-Total			*$ 26,290.00*

620-	BRIDGES	Quantity	Unit	Unit Costs	Total
001-	80' SPAN X 30' WIDE ROADWAY BRIDGE	2	EA	425000.00	$ 850,000.00
002-	80' SPAN X 12' WIDE PEDESTRIAN BRIDGE	2	EA	88000.00	$ 176,000.00
		Bridges Sub-Total			*$ 1,026,000.00*

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900-	PARK FACILITIES	Quantity	Unit	Unit Costs		Total
001-	NEW RESTROOM BUILDING (20' x 40')	2	EA	64000.00	$	128,000.00
002-	NEW PICNIC PAVILLION (50' x 25')	1	EA	62500.00	$	62,500.00
003-	NEW RECEPTION CENTER BUILDING WITH RESTROOMS & STORAGE (80' x 100')	1	EA	400000.00	$	400,000.00
004-	LANDSCAPING & IRRIGATION IMPROVEMENTS TO PARK	1	LS	300000.00	$	300,000.00
005-	IRRIGATION STORAGE TANK AND PUMP SYSTEM	1	LS	100000.00	$	100,000.00
		Park Facilities Sub-Total			*$*	*990,500.00*

Construction Estimate	*$*	*6,654,750.00*
10% Contingency		*258,867.70*
Total Construction Estimate	*$*	*6,913,617.70*

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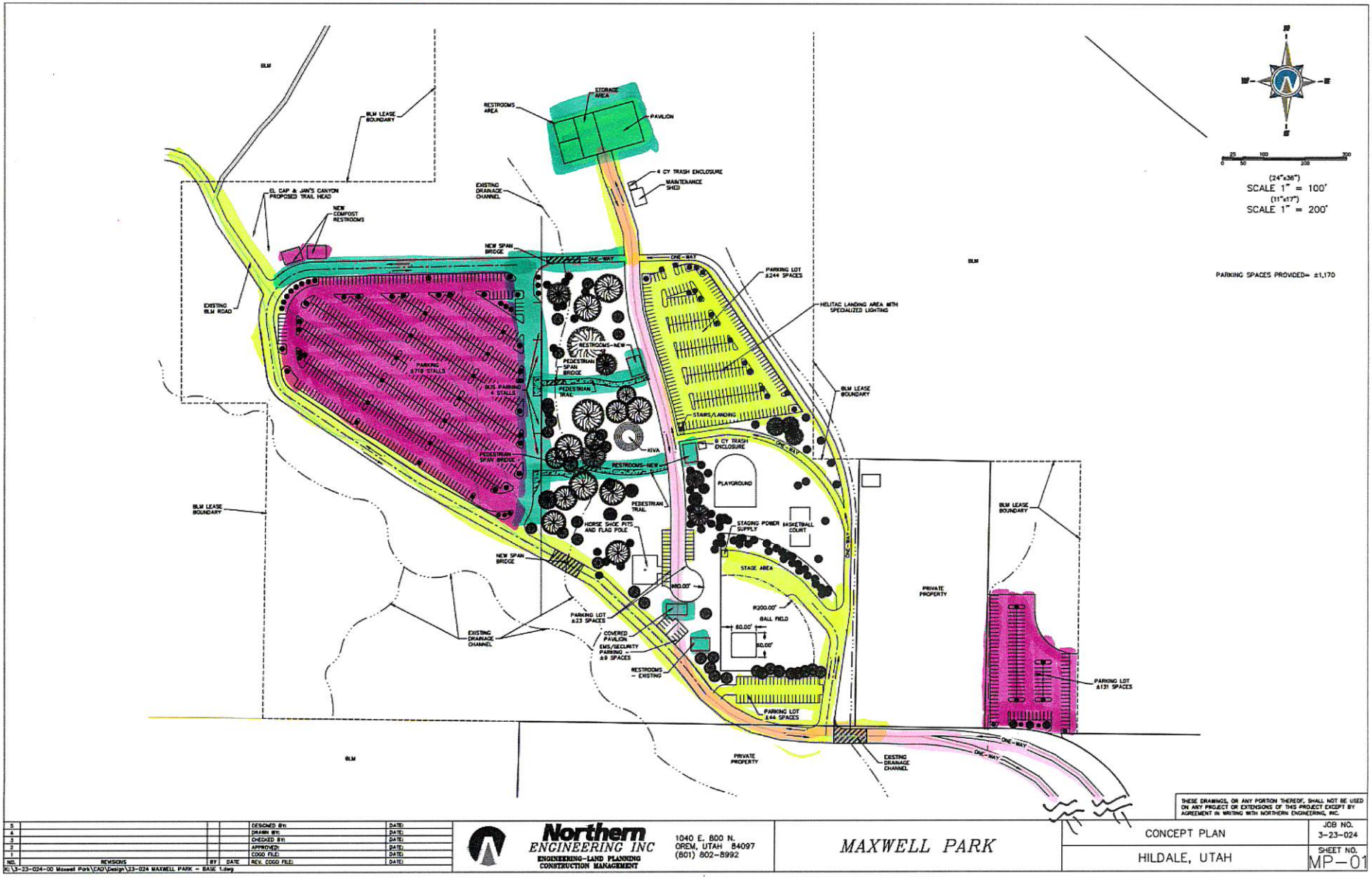
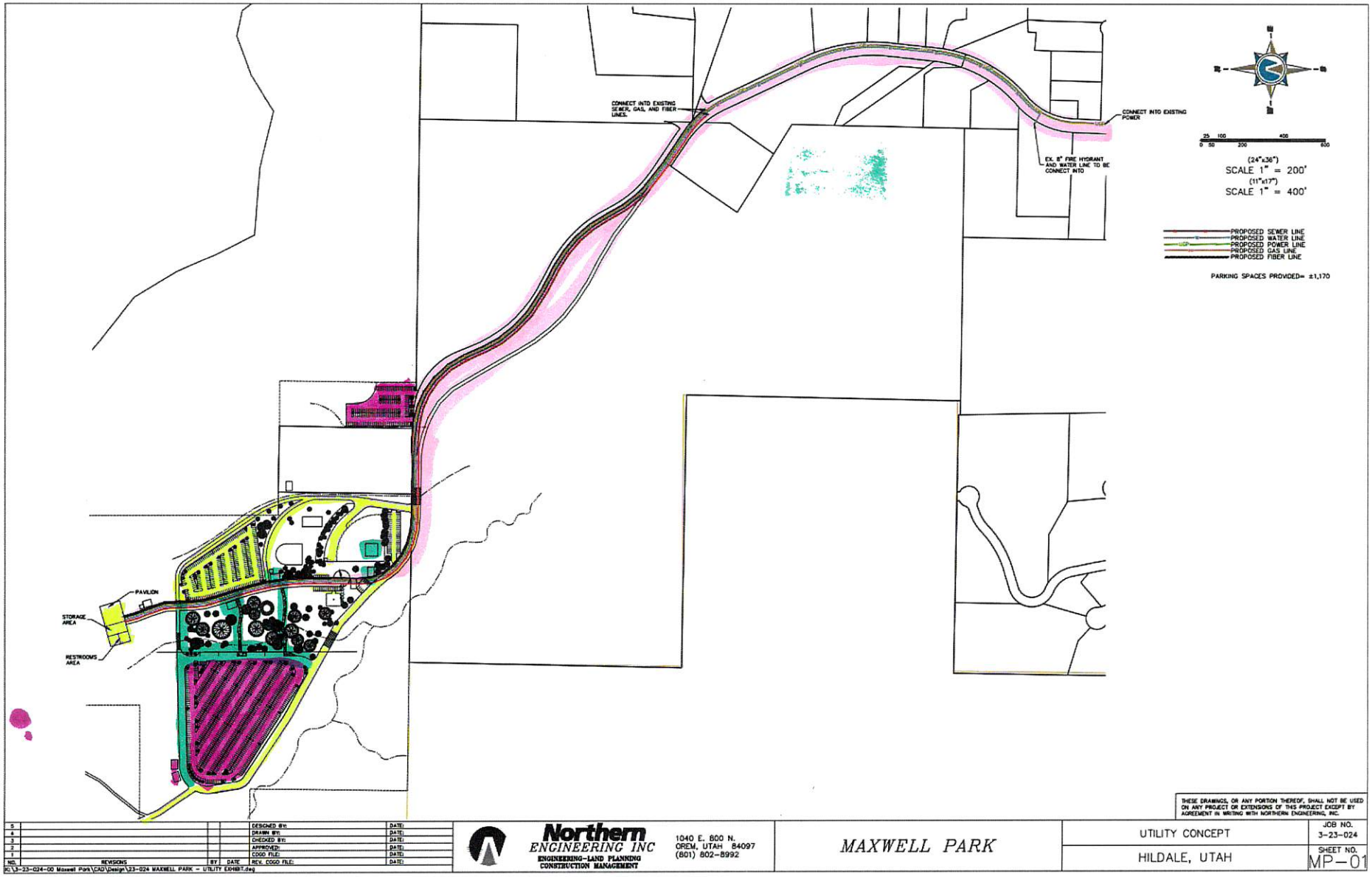
- Phase 1
- Phase 2
- Phase 3
- Phase 4



Scope of Project



Scope of Project with Utilities Tie-In

Hildale Council Events Calendar *FEBRUARY 2024*

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
				1	2	3
4	5	6	7 ***Hildale City Council meeting 6pm***	8	9 ***Regional Partnership Luncheon 11am WCHS***	10
11	12	13 ***Board of Education meeting 12***	14 ***Valentines Day*** 	15 ***Hildale Planning and Zoning mtg. 6pm***	16	17
18	19 ***PRESIDENTS DAY HOLIDAY OFFICE CLOSED***	20	21	22 ***Utility Advisory Board meeting 6pm***	23	24
25	26	27	28	29	*MARCH 1*	*MARCH 2*
MARCH 3	*MARCH 4*	*MARCH 5*	*MARCH 6* ***Hildale City Council meeting 6pm***	*MARCH 7*	*MARCH 8*	*MARCH 9*