



# Hildale / Colorado City Utility Advisory Board

Thursday, March 28, 2024 at 6:00 PM

320 East Newel Avenue, Hildale City, Utah 84784

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## Agenda

Notice is hereby given to the members of the Hildale/Colorado City Utility Advisory Board and the public, that the Board will hold a public meeting on **Thursday, March 28, 2024**, at 6:00 p.m. (MDT), at 320 East Newel Avenue, Hildale City, Utah 84784.

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

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

Join Zoom Meeting

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

Meeting ID: 957 7017 1318

Passcode: 993804

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Comments during the public comment or public hearing portions of the meeting may be emailed to [athenac@hildalecity.com](mailto:athenac@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 Board Chair's discretion.

**Welcome, Introduction and Preliminary Matters:** Presiding Officer

**Roll Call of Board Attendees:** Utility Management Assistant

**Pledge of Allegiance:** By Invitation of Presiding Officer

**Conflict of Interest Disclosures:** Board Members

**Approval of Minutes of Previous Meetings:** Board Members

1. Utility Board Minutes of February 22nd and March 7th, 2024.

**Public Comments:** (3 minutes each - Discretion of Presiding Officer)

**Financial Report:**

2. Approval of Utility Financial Report and Invoice Register

**Reports:**

3. Utility Director Report and Updates
4. Utility Monthly Report

**Unfinished Board Business:**

- 5. Consideration, discussion, and possible recommendation on the Hildale-Colorado City Utility 5-10 Year CIP Budget.
- 6. Consideration, discussion, and possible recommendation on the Sewer Ordinance updates.

**New Board Business:**

- 7. Consideration, discussion, and possible recommendation to the Town and City Councils on the approval of the proposed Hildale-Colorado City Water Rates.
- 8. Consideration, discussion and possible recommendation to the City and Town Councils on the approval of Starlight Cliffs Preliminary Plat.

**Board Comments:** (10 minutes total)

Board members comments of issues not previously discussed in the meeting.

- 9. April 2024 Utility Calendar

**Executive Session:** As needed

**Infrastructure Improvements Advisory Committee Session:** As Needed

**Adjournment:** Presiding Officer

Agenda items and any variables there to are set for consideration, discussion, approval or other action. The Utility Advisory Board may, by motion, recess into executive session, which is not open to the public, to receive legal advice from their attorney(s) on any agenda item, or regarding sensitive personnel issues, or concerning negotiations for the purchase, sale, or lease of real property. Board Members may attend by telephone. The Agenda may be 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 / Colorado City Utility Advisory Board

Thursday, February 22, 2024 at 6:00 PM  
320 East Newel Avenue, Hildale City, Utah 84784

## Minutes

### Welcome, Introduction, and Preliminary Matters: Presiding Officer

Chair Nielsen called the meeting to order at 6:00 pm.

### Roll Call of Board Attendees: Utility Administrative Assistant

#### PRESENT

Chair Ezra Nielsen  
Board Member James Broadbent  
Board Member Theil Cooke  
Board Member Sterling Jessop, Jr.

#### ABSENT

Board Member Jesse Barlow

Staff Present: Jerry Postema, Nathan Fischer, Athena Cawley, Sammie Cawley

Public Present: Brody Olson, Jvar Dutson

### Pledge of Allegiance: By Invitation of Presiding Officer

Board Member Broadbent led the pledge.

### Conflict of Interest Disclosures: Board Members

No conflict of interest at this time.

### Approval of Minutes of Previous Meetings: Board Members

1. Utility Board Minutes of January 25, 2024.

The Board reviewed the previous minutes. Board Member Cooke requested a correction to show when Board Member Barlow stepped out of the meeting.

Motion made by Board Member Cooke to approve the minutes of January 25, 2024, with the correction mentioned, Seconded by Board Member Jessop, Jr.

Voting Yea: Chair Nielsen, Board Member Broadbent, Board Member Cooke, Board Member Jessop, Jr.

Motion carried.

### Public Comments: (3 minutes each - Discretion of Presiding Officer)

No comments.

**Financial Report:**

## 2. Approval of Utility Financial Report and Invoice Register

Director Postema presented, highlighting a transfer of 140,000 to cover electric bills for water would happen as a cleanup to the budget, the final payment approval for the headworks project, and the process of payment for engineering work for the two (2) new wells and waterline project that will be paid by TOCC and then reimbursed by the Mohave Arizona ARPA grant.

Chair Nielsen questioned the flow testing for Well 17 and details were given by Director Postema.

Motion made by Chair Nielsen, to approve Financial Report and Invoice Register. Seconded by Board Member Jessop, Jr.

Voting Yea: Chair Nielsen, Board Member Broadbent, Board Member Cooke, Board Member Jessop, Jr.

Motion carried.

**Reports:**

## 3. Utility Monthly Report

Director Postema presented the gas, sewer, and water operations in place of Superintendent Fischer. (Superintendent Fischer arrived at 6:15 pm)

## 4. Utility Director Report and Updates

Director Postema presented on administration. Staff is looking at doing more water re-testing as a follow-up to the class action litigation settlement funding from the United States vs Dupont Chemical. The 600,000 (6K) gallon tank and 800,00 (8K) gallon tank will not be painted until the Fall. The radio read meter system is being worked on for a quote to upgrade the current meter system. Three (3) new technicians have been hired in addition to the Utility Team. Staff has started discussions with Centennial Park Sewer District and Apple Valley on Sewer opportunities.

**Unfinished Board Business:**

## 5. Consideration, discussion, and possible recommendation on the Hildale/Colorado City Utility 5-10 Year CIP Budget.

Director Postema presented and explained some updates that must be completed before the recommendation for approval.

Motion made by Chair Nielsen, to table the Hildale/Colorado City Utility 5-10 Year CIP Budget to next Utility Advisory Board meeting. Seconded by Board Member Cooke.

Voting Yea: Chair Nielsen, Board Member Broadbent, Board Member Cooke, Board Member Jessop, Jr.

Motion carried.

## 6. Consideration, discussion, and possible recommendation on the Sewer Ordinance updates.

Director Postema presented the Sewer Ordinance updates by explaining how some of the changes talked about at the last meeting would need to be presented to the Planning and Zoning Committee and gave details on the other changes. He apologized for not getting the updated version in the packet. The Board discussed how they would like to review the Sewer Ordinance further when it could be presented more clearly.

Motion made by Chair Nielsen, to table Sewer Ordinance updates to the next Utility Advisory Board meeting. Seconded by Board Member Broadbent.

Voting Yea: Chair Nielsen, Board Member Broadbent, Board Member Cooke, Board Member Jessop, Jr.

Motion carried.

### **New Board Business:**

7. Consideration, discussion, and possible recommendation to the City and Town Councils to approve the Olson Subdivision Preliminary Plat.

Director Postema presented the Olson Subdivision Preliminary Plat. Staff suggested a recommendation to approve the preliminary plat with three (3) additional conditions: that the developer runs a hydraulic model, brings the water with impact fee development or a development water agreement.

Brody Olson, the applicant, explained that this is a nine (9) unit subdivision that consists of eight (8) single-family homes and one (1) duplex unit for up to ten (10) residences. He had questions about the additional conditions for the developer, which Director Postema clarified.

Motion made by Chair Nielsen, to recommend to the Town and City Councils approval of the Olson Subdivision Preliminary with the three (3) conditions: The developer runs the hydraulic model and presents to the city, provides water either through development impact fees or development water agreement. Seconded by Board Member Cooke.

Voting Yea: Chair Nielsen, Board Member Broadbent, Board Member Cooke, Board Member Jessop, Jr.

Motion carried.

8. Consideration and discussion to revisit the PFAS class action litigation settlement funding from United States vs Dupont Chemical.

Director Postema presented the water results came back positive with very little PFAS in the water and recommended revisiting the PFAS class action litigation settlement funding from United States vs Dupont Chemical to begin re-testing and record recording.

Motion made by Board Member Broadbent, to continue with the class action lawsuit. Seconded by Board Member Jessop, Jr.

Voting Yea: Chair Nielsen, Board Member Broadbent, Board Member Cooke, Board Member Jessop, Jr.

Motion carried.

9. Consideration and discussion concerning presentation of the Hildale-Colorado City Utilities Water Rate Study.

Director Postema presented options to have Matthew Kennedy with Environmental Community Services (RCAC) present the Water Rate Study to the Board for a special Work Session meeting. The Board

discussed the suggested dates for the virtual presentation and concluded to schedule the Work Session meeting for March 7th, 2024 at 6 pm.

Jvar Dutson, Hildale City Councilman, commented on the timetable for the water impact fee schedule. Director Postema explained that the Utility Advisory Board has already approved the water impact fee, and the impact fee ordinance should be approved in April.

Motion made by Chair Nielsen, to schedule a Work Session meeting for Thursday, March 7, 2024, at 6 pm. Seconded by Board Member Broadbent.

Voting Yea: Chair Nielsen, Board Member Broadbent, Board Member Cooke, Board Member Jessop, Jr.

Motion carried.

10. Consideration and discussion to review the FY24 Utilities budget.

Director Postema presented the previous Fiscal Year 2023-24 (FY24) budget as a review in preparation for the new proposed budget. Staff will be working on the new Fiscal Year 2024-25 (FY25) tentative budget, which will need to be ready in April to recommend to the two City Councils for adoption by May 2024.

The Board discussed the different options for reviewing the new proposed budget and the timeframe staff will need to prepare the budget. It was determined that staff work on the expenditure side of the budget to present at the regular meeting in March.

Motion made by Board Member Cooke, to have staff put together a worksheet of expenditures for the FY25 budget to review at the next meeting. Seconded by Board Member Jessop, Jr.

Voting Yea: Chair Nielsen, Board Member Broadbent, Board Member Cooke, Board Member Jessop, Jr.

Motion carried.

**Board Comments:** (10 minutes total)

Board members comments of issues not previously discussed in the meeting.

11. March 2024 Utility Calendar

Chair Nielsen asked about the fiber and TKS agreement. Director Postema gave some background and Superintendent Fischer explained the operation side of the fiber. It was explained that management handles agreements.

Chair Nielsen went over the calendar. There will be a Work Session meeting on Thursday, March 7th, at 6 pm and a regular Board meeting on Thursday, March 28th, at 6 pm.

**Executive Session:** As needed

None

**Infrastructure Improvements Advisory Committee Session:** As Needed

None

**Adjournment:** Presiding Officer

Chair Nielsen adjourned the meeting at 7:10 pm.

Minutes were approved at the Utility Board Meeting \_\_\_\_\_.

\_\_\_\_\_

Sirrene J. Barlow, City Recorder

\_\_\_\_\_

Shirley Zitting, Town Clerk

Draft Pending for Review



# Hildale / Colorado City Utility Advisory Board Work Session

Thursday, March 07, 2024 at 6:00 PM  
320 East Newel Avenue, Hildale City, Utah 84784

## Minutes

### Welcome, Introduction and Preliminary Matters: Presiding Officer

Chair Nielsen called the meeting to order at 6:00 pm.

### Roll Call of Board Attendees: Utility Administrative Assistant

#### PRESENT

Chair Ezra Nielsen  
Board Member James Broadbent  
Board Member Theil Cooke  
Board Member Sterling Jessop, Jr.

#### ABSENT

Board Member Jesse Barlow

### Pledge of Allegiance: By Invitation of Presiding Officer

Chair Nielsen led the pledge.

### Conflict of Interest Disclosures: Board Members

None were given.

### Public Comments: (3 minutes each - Discretion of Presiding Officer)

No public comment

### New Board Business:

1. Presentation of the Hildale-Colorado City Utilities Proposed Water Rates. (Matthew Kennedy, Rural Community Assistance Corporation (RCAC))

Matthew Kennedy from Rural Community Assistance Corporation (RCAC) presented the proposed Hildale-Colorado City Water Rates and answered questions of the Board.

The Board discussed the alternative rate model 3.1 and 3.2 structures presented. It was determined to have administrative staff and Matthew Kennedy from (RCAC) do more research and modifications to the water rate model 3.2 and bring it forward at the next meeting on Thursday, March 28, 2024.



**Board Comments:** (10 minutes total)

Board members comments of issues not previously discussed in the meeting.

No comments.

**Adjournment:** Presiding Officer

Chair Nielsen adjourned the meeting at 7:47 pm.

Minutes were approved at the Utility Board Meeting \_\_\_\_\_.

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Sirrene J. Barlow, City Recorder

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Shirley Zitting, Town Clerk

Draft Pending for Review

CITY OF HILDALE  
 REVENUES WITH COMPARISON TO BUDGET  
 FOR THE 8 MONTHS ENDING FEBRUARY 29, 2024

Item 2.

2017 JUDGMENT RESOLUTION FUND

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

CITY OF HILDALE  
 EXPENDITURES WITH COMPARISON TO BUDGET  
 FOR THE 8 MONTHS ENDING FEBRUARY 29, 2024

Item 2.

2017 JUDGMENT RESOLUTION FUND

	PERIOD ACTUAL	YTD ACTUAL	BUDGET	UNEXPENDED	PCNT
<u>EXPENDITURES</u>					
63-41-310 PROFESSIONAL & TECHNICAL	8,302.53	31,719.49	28,000.00	( 3,719.49)	113.3
63-41-315 LEGAL - GENERAL	.00	.00	20,000.00	20,000.00	.0
TOTAL EXPENDITURES	8,302.53	31,719.49	48,000.00	16,280.51	66.1
TOTAL FUND EXPENDITURES	8,302.53	31,719.49	48,000.00	16,280.51	66.1
NET REVENUE OVER EXPENDITURES	( 8,302.53)	( 31,719.49)	.00	31,719.49	.0

CITY OF HILDALE  
 EXPENDITURES WITH COMPARISON TO BUDGET  
 FOR THE 8 MONTHS ENDING FEBRUARY 29, 2024

Item 2.

LITIGATION DEFENSE FUND

	PERIOD ACTUAL	YTD ACTUAL	BUDGET	UNEXPENDED	PCNT
<u>EXPENDITURES</u>					
64-41-110 SALARIES-PERMANENT EMPLOYEES	.00	22,289.69	.00	( 22,289.69)	.0
64-41-271 MAINT & SUPPLY - OFFICE	206.92	206.92	.00	( 206.92)	.0
TOTAL EXPENDITURES	206.92	22,496.61	.00	( 22,496.61)	.0
TOTAL FUND EXPENDITURES	206.92	22,496.61	.00	( 22,496.61)	.0
NET REVENUE OVER EXPENDITURES	( 206.92)	( 22,496.61)	.00	22,496.61	.0

CITY OF HILDALE  
 REVENUES WITH COMPARISON TO BUDGET  
 FOR THE 8 MONTHS ENDING FEBRUARY 29, 2024

Item 2.

JOINT ADMINISTRATION FUND

		PERIOD ACTUAL	YTD ACTUAL	BUDGET	UNEXPENDED	PCNT
<u>REVENUES</u>						
65-38-102	TRANSFER FROM WATER FUND	.00	.00	717,270.00	717,270.00	.0
65-38-103	TRANSFER FROM WASTEWATER	.00	.00	925,730.00	925,730.00	.0
65-38-105	TRANSFER FROM GAS FUND	.00	.00	21,304.00	21,304.00	.0
65-38-910	LANDFILL REVENUES	2,000.00	16,000.00	20,000.00	4,000.00	80.0
65-38-915	GARKANE SERVICES	8,169.00	8,169.00	12,000.00	3,831.00	68.1
	<b>TOTAL REVENUES</b>	<b>10,169.00</b>	<b>24,169.00</b>	<b>1,696,304.00</b>	<b>1,672,135.00</b>	<b>1.4</b>
	<b>TOTAL FUND REVENUE</b>	<b>10,169.00</b>	<b>24,169.00</b>	<b>1,696,304.00</b>	<b>1,672,135.00</b>	<b>1.4</b>

CITY OF HILDALE  
EXPENDITURES WITH COMPARISON TO BUDGET  
FOR THE 8 MONTHS ENDING FEBRUARY 29, 2024

Item 2.

JOINT ADMINISTRATION FUND

	PERIOD ACTUAL	YTD ACTUAL	BUDGET	UNEXPENDED	PCNT
<u>EXPENDITURES</u>					
65-41-110 SALARIES-PERMANENT EMPLOYEES	42,677.64	309,463.48	757,994.00	448,530.52	40.8
65-41-113 MANAGER	2,524.62	18,429.72	97,388.00	78,958.28	18.9
65-41-114 TREASURER	4,098.48	31,203.28	55,654.00	24,450.72	56.1
65-41-115 RECORDER	2,510.00	17,399.00	37,330.00	19,931.00	46.6
65-41-120 SALARIES-TEMPORARY EMPLOYEES	.00	17,494.42	103,024.00	85,529.58	17.0
65-41-130 PAYROLL TAXES	3,898.33	29,001.82	81,600.00	52,598.18	35.5
65-41-140 BENEFITS-OTHER	7,556.97	63,256.27	123,900.00	60,643.73	51.1
65-41-144 PRINT AND POSTAGE	2,451.54	9,161.91	20,000.00	10,838.09	45.8
65-41-145 AUDITOR	5,034.75	46,278.75	20,000.00	( 26,278.75)	231.4
65-41-150 STIPENDS - UTILITY BOARD	300.00	2,100.00	3,000.00	900.00	70.0
65-41-160 MERCHANT PROCESSING	.00	.00	1,000.00	1,000.00	.0
65-41-210 BOOKS, SUBSCR, & MEMBERSHIPS	51.50	2,051.31	4,200.00	2,148.69	48.8
65-41-230 TRAVEL	.00	1,090.41	3,000.00	1,909.59	36.4
65-41-235 FOOD & REFRESHMENT	241.02	2,107.43	3,000.00	892.57	70.3
65-41-240 OFFICE EXPENSE & SUPPLIES	254.24	961.75	3,000.00	2,038.25	32.1
65-41-242 SERVICE FEES	486.47	4,037.54	1,000.00	( 3,037.54)	403.8
65-41-250 EQUIPMENT SUPPLIES & MAINT	2,534.26	34,872.05	13,500.00	( 21,372.05)	258.3
65-41-257 FUEL	2,705.38	18,941.68	39,700.00	20,758.32	47.7
65-41-260 TOOLS & EQUIPMENT-NON CAPITAL	1,519.14	10,142.30	10,000.00	( 142.30)	101.4
65-41-271 MAINT & SUPPLY - OFFICE	49.61	5,167.06	5,000.00	( 167.06)	103.3
65-41-280 UTILITIES	1,596.48	6,608.61	23,514.00	16,905.39	28.1
65-41-285 POWER	1,160.54	6,625.75	27,000.00	20,374.25	24.5
65-41-287 TELEPHONE	646.42	7,533.26	12,000.00	4,466.74	62.8
65-41-310 PROFESSIONAL & TECHNICAL	12,418.71	53,031.47	40,000.00	( 13,031.47)	132.6
65-41-313 AUDITOR	.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	5,344.03	44,974.00	27,000.00	( 17,974.00)	166.6
65-41-319 INFORMATION TECHNOLOGY - SYSTE	.00	.00	10,000.00	10,000.00	.0
65-41-330 EDUCATION	11.00	4,286.40	10,000.00	5,713.60	42.9
65-41-510 INSURANCE	598.35	102,294.45	85,500.00	( 16,794.45)	119.6
65-41-521 CREDIT CARD EXPENSE	1,180.34	9,588.68	.00	( 9,588.68)	.0
65-41-580 RENT OR LEASE	1,002.49	6,112.17	10,000.00	3,887.83	61.1
65-41-620 MISC. SERVICES	.00	12,655.76	.00	( 12,655.76)	.0
65-41-720 BUILDINGS	.00	450.00	3,000.00	2,550.00	15.0
65-41-741 EQUIPMENT - OFFICE	.00	768.73	5,000.00	4,231.27	15.4
65-41-780 RESERVE PURCHASES	5,265.00	5,265.00	.00	( 5,265.00)	.0
65-41-850 DEBT SERVICE - VEHICLE & EQUIP	.00	17,627.51	11,000.00	( 6,627.51)	160.3
65-41-900 AUTOMATIC PAYMENT INCENTIVE	200.00	200.00	.00	( 200.00)	.0
<b>TOTAL EXPENDITURES</b>	<b>108,317.31</b>	<b>915,251.97</b>	<b>1,696,304.00</b>	<b>781,052.03</b>	<b>54.0</b>
<b>TOTAL FUND EXPENDITURES</b>	<b>108,317.31</b>	<b>915,251.97</b>	<b>1,696,304.00</b>	<b>781,052.03</b>	<b>54.0</b>
<b>NET REVENUE OVER EXPENDITURES</b>	<b>( 98,148.31)</b>	<b>( 891,082.97)</b>	<b>.00</b>	<b>891,082.97</b>	<b>.0</b>

CITY OF HILDALE  
 REVENUES WITH COMPARISON TO BUDGET  
 FOR THE 8 MONTHS ENDING FEBRUARY 29, 2024

Item 2.

WATER FUND

	PERIOD ACTUAL	YTD ACTUAL	BUDGET	UNEXPENDED	PCNT
<u>OPERATING REVENUES</u>					
81-37-111	13,883.60	249,885.00	495,930.00	246,045.00	50.4
81-37-121	39,652.12	309,504.56	459,870.00	150,365.44	67.3
81-37-160	.00	.00	5,000.00	5,000.00	.0
81-37-331	3,300.00	29,120.00	40,000.00	10,880.00	72.8
81-37-332	110.00	685.60	89,600.00	88,914.40	.8
81-37-351	.00	.00	20,000.00	20,000.00	.0
81-37-411	3,704.70	32,304.67	22,000.00	( 10,304.67)	146.8
81-37-412	5,776.12	30,850.52	60,000.00	29,149.48	51.4
<b>TOTAL OPERATING REVENUES</b>	<b>66,426.54</b>	<b>652,350.35</b>	<b>1,192,400.00</b>	<b>540,049.65</b>	<b>54.7</b>
<u>NON-OPERATING REVENUE</u>					
81-38-102	.00	.00	150,000.00	150,000.00	.0
81-38-361	.00	.00	460,000.00	460,000.00	.0
81-38-999	.00	.00	400,000.00	400,000.00	.0
<b>TOTAL NON-OPERATING REVENUE</b>	<b>.00</b>	<b>.00</b>	<b>1,010,000.00</b>	<b>1,010,000.00</b>	<b>.0</b>
<b>TOTAL FUND REVENUE</b>	<b>66,426.54</b>	<b>652,350.35</b>	<b>2,202,400.00</b>	<b>1,550,049.65</b>	<b>29.6</b>

CITY OF HILDALE  
EXPENDITURES WITH COMPARISON TO BUDGET  
FOR THE 8 MONTHS ENDING FEBRUARY 29, 2024

Item 2.

WATER FUND

	PERIOD ACTUAL	YTD ACTUAL	BUDGET	UNEXPENDED	PCNT
<u>OPERATING EXPENDITURES</u>					
81-41-210 BOOKS, SUBSCR, & MEMBERSHIPS	.00	969.00	3,000.00	2,031.00	32.3
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	.00	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	.00	127.28	10,000.00	9,872.72	1.3
81-41-273 MAINT & SUPPLY - SYSTEM	10,738.65	105,998.78	177,700.00	71,701.22	59.7
81-41-285 POWER	6,978.43	82,694.83	160,800.00	78,105.17	51.4
81-41-311 ENGINEER	9,100.00	42,755.00	40,100.00	( 2,655.00)	106.6
81-41-314 LABORATORY & TESTING	104.39	4,339.86	12,500.00	8,160.14	34.7
81-41-315 LEGAL - GENERAL	.00	.00	1,300.00	1,300.00	.0
81-41-330 EDUCATION	.00	1,780.00	3,500.00	1,720.00	50.9
81-41-340 SYSTEM CONSTRUCTION SERVICES	.00	22,357.01	33,830.00	11,472.99	66.1
81-41-341 CONST-CUSTOMER'S INSTALLATION	2,509.93	6,219.06	5,000.00	( 1,219.06)	124.4
81-41-432 SPECIAL DEPT SUPPLIES	.00	19,675.91	23,000.00	3,324.09	85.6
81-41-580 RENT OR LEASE	.00	951.36	.00	( 951.36)	.0
<b>TOTAL OPERATING EXPENDITURES</b>	<b>29,431.40</b>	<b>288,380.19</b>	<b>482,130.00</b>	<b>193,749.81</b>	<b>59.8</b>
<u>NON-OPERATING EXPENDITURES</u>					
81-42-560 BAD DEBT EXPENSE	.00	.00	7,000.00	7,000.00	.0
81-42-730 IMPROVEMENTS OTHER THAN BLDGS	.00	.00	7,000.00	7,000.00	.0
81-42-742 EQUIPMENT - FIELD	.00	.00	1,000.00	1,000.00	.0
81-42-750 SP PROJECTS CAPITAL	.00	173.09	460,000.00	459,826.91	.0
81-42-780 RESERVE PURCHASES	.00	125,960.00	150,000.00	24,040.00	84.0
81-42-815 PRINC. & INT W.RIGHTS LOAN	.00	.00	61,300.00	61,300.00	.0
81-42-911 TRANSFERS TO JOINT ADMIN FUND	.00	.00	717,270.00	717,270.00	.0
81-42-912 TRANSFERS TO LITIGATION	.00	.00	12,000.00	12,000.00	.0
81-42-914 TRANSFERS TO 2017 JMT RES FUND	.00	.00	8,000.00	8,000.00	.0
81-42-960 TRANSFERS TO RESERVE FUNDS	.00	.00	36,700.00	36,700.00	.0
81-42-999 CONTINGENCY	.00	.00	( 1,000,000.00)	( 1,000,000.00)	.0
<b>TOTAL NON-OPERATING EXPENDITURES</b>	<b>.00</b>	<b>126,133.09</b>	<b>460,270.00</b>	<b>334,136.91</b>	<b>27.4</b>
<b>TOTAL FUND EXPENDITURES</b>	<b>29,431.40</b>	<b>414,513.28</b>	<b>942,400.00</b>	<b>527,886.72</b>	<b>44.0</b>
<b>NET REVENUE OVER EXPENDITURES</b>	<b>36,995.14</b>	<b>237,837.07</b>	<b>1,260,000.00</b>	<b>1,022,162.93</b>	<b>18.9</b>



CITY OF HILDALE  
 REVENUES WITH COMPARISON TO BUDGET  
 FOR THE 8 MONTHS ENDING FEBRUARY 29, 2024

Item 2.

WASTEWATER FUND

	PERIOD ACTUAL	YTD ACTUAL	BUDGET	UNEXPENDED	PCNT
<u>OPERATING REVENUES</u>					
82-37-160 CONSTRUCTION REVENUE	.00	.00	10,000.00	10,000.00	.0
82-37-311 SERVICE CHARGES	71,194.79	562,924.99	804,470.00	241,545.01	70.0
82-37-312 SERVICE CHARGES - CPMCWID	16,131.04	128,728.00	196,000.00	67,272.00	65.7
82-37-331 CONNECTION CHARGES	.00	.00	11,530.00	11,530.00	.0
82-37-332 SERVICING CUSTOMER INSTALL	450.00	6,605.00	10,000.00	3,395.00	66.1
82-37-411 INTEREST	5,316.77	46,361.83	30,000.00	( 16,361.83)	154.5
82-37-451 IMPACT FEE	9,000.00	73,500.00	600,000.00	526,500.00	12.3
82-37-452 IMPACT FEE - CPMCWID	.00	625,425.00	48,500.00	( 576,925.00)	1289.5
<b>TOTAL OPERATING REVENUES</b>	<b>102,092.60</b>	<b>1,443,544.82</b>	<b>1,710,500.00</b>	<b>266,955.18</b>	<b>84.4</b>
<u>NON-OPERATING REVENUES</u>					
82-38-102 TRANSFERS FROM R&R RESERVE	.00	.00	120,000.00	120,000.00	.0
82-38-361 LOAN PROCEEDS	.00	.00	500,000.00	500,000.00	.0
82-38-440 SUNDRY NON-OPERATING REVENUE	.00	.00	1,000.00	1,000.00	.0
82-38-999 CONTINGENCY	.00	.00	400,000.00	400,000.00	.0
<b>TOTAL NON-OPERATING REVENUES</b>	<b>.00</b>	<b>.00</b>	<b>1,021,000.00</b>	<b>1,021,000.00</b>	<b>.0</b>
<b>TOTAL FUND REVENUE</b>	<b>102,092.60</b>	<b>1,443,544.82</b>	<b>2,731,500.00</b>	<b>1,287,955.18</b>	<b>52.9</b>

CITY OF HILDALE  
EXPENDITURES WITH COMPARISON TO BUDGET  
FOR THE 8 MONTHS ENDING FEBRUARY 29, 2024

Item 2.

WASTEWATER FUND

	PERIOD ACTUAL	YTD ACTUAL	BUDGET	UNEXPENDED	PCNT
<u>OPERATING EXPENDITURES</u>					
82-41-210 BOOKS, SUBSCR, & MEMBERSHIPS	.00	.00	3,000.00	3,000.00	.0
82-41-230 TRAVEL	.00	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	174.28	2,621.50	5,400.00	2,778.50	48.6
82-41-260 TOOLS & EQUIPMENT-NON CAPITAL	.00	.00	3,500.00	3,500.00	.0
82-41-273 MAINTENANCE & SUPPLY - SYSTEM	840.17	8,175.27	131,000.00	122,824.73	6.2
82-41-274 MAINT & SUPPLY EQUIPMENT	.00	29.92	71,670.00	71,640.08	.0
82-41-285 POWER	3,713.32	44,123.82	38,000.00	( 6,123.82)	116.1
82-41-311 ENGINEER	615.25	5,408.50	58,000.00	52,591.50	9.3
82-41-314 LABORATORY & TESTING	.00	700.00	3,000.00	2,300.00	23.3
82-41-315 LEGAL - GENERAL	.00	.00	2,500.00	2,500.00	.0
82-41-330 EDUCATION	.00	1,900.00	5,300.00	3,400.00	35.9
82-41-340 SYSTEM CONSTRUCTION SERVICES	4,933.59	211,353.74	540,000.00	328,646.26	39.1
82-41-341 CONST-CUSTOMER'S INSTALLATION	.00	.00	10,000.00	10,000.00	.0
<b>TOTAL OPERATING EXPENDITURES</b>	<b>10,276.61</b>	<b>274,389.81</b>	<b>883,370.00</b>	<b>608,980.19</b>	<b>31.1</b>
<u>NON-OPERATING EXPENSES</u>					
82-42-560 BAD DEBT EXPENSE	.00	.00	10,000.00	10,000.00	.0
82-42-710 LAND	.00	.00	100,000.00	100,000.00	.0
82-42-720 BUILDINGS	.00	.00	30,000.00	30,000.00	.0
82-42-742 EQUIPMENT - FIELD	.00	.00	30,000.00	30,000.00	.0
82-42-750 SP PROJECTS CAPITAL	2,114.40	184,392.05	.00	( 184,392.05)	.0
82-42-780 RESERVE PURCHASES	.00	.00	230,000.00	230,000.00	.0
82-42-812 PRINCIPAL ON BONDS - RDA B	.00	.00	35,000.00	35,000.00	.0
82-42-822 INTEREST ON BONDS - RDA - B	.00	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
<b>TOTAL NON-OPERATING EXPENSES</b>	<b>2,114.40</b>	<b>204,555.27</b>	<b>1,848,130.00</b>	<b>1,643,574.73</b>	<b>11.1</b>
<b>TOTAL FUND EXPENDITURES</b>	<b>12,391.01</b>	<b>478,945.08</b>	<b>2,731,500.00</b>	<b>2,252,554.92</b>	<b>17.5</b>
<b>NET REVENUE OVER EXPENDITURES</b>	<b>89,701.59</b>	<b>964,599.74</b>	<b>.00</b>	<b>( 964,599.74)</b>	<b>.0</b>

CITY OF HILDALE  
 REVENUES WITH COMPARISON TO BUDGET  
 FOR THE 8 MONTHS ENDING FEBRUARY 29, 2024

Item 2.

GAS FUND

		PERIOD ACTUAL	YTD ACTUAL	BUDGET	UNEXPENDED	PCNT
<u>OPERATING REVENUES</u>						
84-37-111	GAS SALES - METERED NAT GAS	51,808.40	295,319.81	800,000.00	504,680.19	36.9
84-37-112	GAS SALES - METERED PROPANE	18,370.53	153,942.17	796,069.00	642,126.83	19.3
84-37-113	GAS SALES - CYLINDER	165.43	2,723.74	8,700.00	5,976.26	31.3
84-37-114	GAS SALES - CYLINDER EXCHANGE	59.97	541.79	3,700.00	3,158.21	14.6
84-37-115	GAS SALES - CC METERED NAT GAS	36,372.55	62,633.33	.00	( 62,633.33)	.0
84-37-121	NATURAL GAS SALES - FLAT RATE	3,129.90	25,075.49	38,000.00	12,924.51	66.0
84-37-122	PROPANE GAS - FLAT RATE	4,041.00	32,578.48	64,000.00	31,421.52	50.9
84-37-160	CONSTRUCTION REVENUE	1,639.00	30,294.53	100,000.00	69,705.47	30.3
84-37-331	CONNECTION CHARGES	330.00	3,325.00	8,000.00	4,675.00	41.6
84-37-351	SUNDRY OPERATING REVENUE	.00	.00	47,000.00	47,000.00	.0
84-37-411	INTEREST	3,535.74	30,831.34	25,000.00	( 5,831.34)	123.3
84-37-412	PENALTIES	2,522.24	10,784.22	19,000.00	8,215.78	56.8
	<b>TOTAL OPERATING REVENUES</b>	<b>121,974.76</b>	<b>648,049.90</b>	<b>1,909,469.00</b>	<b>1,261,419.10</b>	<b>33.9</b>
<u>NON-OPERATING REVENUES</u>						
84-38-102	TRANSFERS FROM R&R RESERVE	.00	.00	175,030.00	175,030.00	.0
84-38-316	INTRAGOVERNMENTAL GRANTS	.00	.00	250,000.00	250,000.00	.0
84-38-999	CONTINGENCY	.00	.00	400,000.00	400,000.00	.0
	<b>TOTAL NON-OPERATING REVENUES</b>	<b>.00</b>	<b>.00</b>	<b>825,030.00</b>	<b>825,030.00</b>	<b>.0</b>
	<b>TOTAL FUND REVENUE</b>	<b>121,974.76</b>	<b>648,049.90</b>	<b>2,734,499.00</b>	<b>2,086,449.10</b>	<b>23.7</b>

CITY OF HILDALE  
EXPENDITURES WITH COMPARISON TO BUDGET  
FOR THE 8 MONTHS ENDING FEBRUARY 29, 2024

Item 2.

GAS FUND

	PERIOD ACTUAL	YTD ACTUAL	BUDGET	UNEXPENDED	PCNT
<u>OPERATING EXPENDITURES</u>					
84-41-140	BENEFITS-OTHER	.00	.00	3,000.00	3,000.00 .0
84-41-210	BOOKS, SUBSCR, & MEMBERSHIPS	.00	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	87.98	127.96	5,000.00	4,872.04 2.6
84-41-257	FUEL	355.32	1,695.68	3,500.00	1,804.32 48.5
84-41-260	TOOLS & EQUIPMENT-NON CAPITAL	.00	.00	8,000.00	8,000.00 .0
84-41-273	MAINT & SUPPLY SYSTEM	634.51	36,341.25	64,500.00	28,158.75 56.3
84-41-280	UTILITIES	31.43	145.35	.00	( 145.35) .0
84-41-285	POWER	105.70	642.47	2,000.00	1,357.53 32.1
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	536.50	4,249.40	6,200.00	1,950.60 68.5
84-41-340	SYSTEM CONSTRUCTION SERVICES	2,392.48	13,818.01	13,600.00	( 218.01) 101.6
84-41-341	CONST-CUSTOMER'S INSTALLATION	.00	1,190.01	40,000.00	38,809.99 3.0
84-41-431	NATURAL GAS COMMODITY SUPPLY	67,436.44	181,793.21	561,100.00	379,306.79 32.4
84-41-432	PROPANE GAS COMMODITY SUPPLY	36,524.88	105,684.10	626,500.00	520,815.90 16.9
84-41-434	NAT GAS COMMODITY TRANSPORT	8,406.95	24,961.50	27,700.00	2,738.50 90.1
84-41-510	INSURANCE	2,568.55	20,548.40	.00	( 20,548.40) .0
84-41-580	RENT OR LEASE	100.00	3,848.64	4,900.00	1,051.36 78.5
84-41-610	MISC. SUPPLIES	.00	.00	5,000.00	5,000.00 .0
	<b>TOTAL OPERATING EXPENDITURES</b>	<b>119,180.74</b>	<b>395,883.22</b>	<b>1,382,500.00</b>	<b>986,616.78 28.6</b>
<u>NON-OPERATING EXPENDITURES</u>					
84-42-560	BAD DEBT EXPENSE	.00	.00	6,000.00	6,000.00 .0
84-42-710	LAND	.00	.00	5,000.00	5,000.00 .0
84-42-750	SP PROJECTS CAPITAL	.00	.00	278,700.00	278,700.00 .0
84-42-780	RESERVE PURCHASES	.00	.00	122,000.00	122,000.00 .0
84-42-911	TRANSFERS TO JOINT ADMIN FUND	.00	.00	470,730.00	470,730.00 .0
84-42-912	TRANSFERS TO LITIGATION	.00	.00	12,000.00	12,000.00 .0
84-42-914	TRANSFERS TO 2017 JMT RES FUND	.00	.00	8,000.00	8,000.00 .0
84-42-960	TRANSFERS TO RESERVE FUNDS	.00	.00	105,400.00	105,400.00 .0
84-42-999	CONTINGENCY	.00	.00	344,169.00	344,169.00 .0
	<b>TOTAL NON-OPERATING EXPENDITURES</b>	<b>.00</b>	<b>.00</b>	<b>1,351,999.00</b>	<b>1,351,999.00 .0</b>
	<b>TOTAL FUND EXPENDITURES</b>	<b>119,180.74</b>	<b>395,883.22</b>	<b>2,734,499.00</b>	<b>2,338,615.78 14.5</b>
	<b>NET REVENUE OVER EXPENDITURES</b>	<b>2,794.02</b>	<b>252,166.68</b>	<b>.00</b>	<b>( 252,166.68) .0</b>

CITY OF HILDALE  
 REVENUES WITH COMPARISON TO BUDGET  
 FOR THE 8 MONTHS ENDING FEBRUARY 29, 2024

Item 2.

90 FUND HILDALE CITY FIBER DEP

		PERIOD ACTUAL	YTD ACTUAL	BUDGET	UNEXPENDED	PCNT
<u>OPERATING REVENUES</u>						
90-37-111	FIBER SALES	462.69	3,701.52	.00	( 3,701.52)	.0
90-37-412	PENALTIES	6.30	28.88	.00	( 28.88)	.0
	<b>TOTAL OPERATING REVENUES</b>	468.99	3,730.40	.00	( 3,730.40)	.0
<u>NON-OPERATING REVENUES</u>						
90-38-999	CONTINGENCY	.00	.00	125,113.00	125,113.00	.0
	<b>TOTAL NON-OPERATING REVENUES</b>	.00	.00	125,113.00	125,113.00	.0
	<b>TOTAL FUND REVENUE</b>	468.99	3,730.40	125,113.00	121,382.60	3.0

CITY OF HILDALE  
 EXPENDITURES WITH COMPARISON TO BUDGET  
 FOR THE 8 MONTHS ENDING FEBRUARY 29, 2024

Item 2.

90 FUND HILDALE CITY FIBER DEP

		PERIOD ACTUAL	YTD ACTUAL	BUDGET	UNEXPENDED	PCNT
<u>OPERATING EXPENDITURES</u>						
90-41-580	RENT OR LEASE	100.00	800.00	.00	( 800.00)	.0
	TOTAL OPERATING EXPENDITURES	100.00	800.00	.00	( 800.00)	.0
<u>NON-OPERATING EXPENDITURES</u>						
90-42-999	CONTINGENCY	.00	.00	125,113.00	125,113.00	.0
	TOTAL NON-OPERATING EXPENDITURES	.00	.00	125,113.00	125,113.00	.0
	TOTAL FUND EXPENDITURES	100.00	800.00	125,113.00	124,313.00	.6
	NET REVENUE OVER EXPENDITURES	368.99	2,930.40	.00	( 2,930.40)	.0

Invoice	Description	Invoice Date	Due Date	Total Cost	Period	GL Activity	GL Account
<b>CASELLE, INC. (1430)</b>							
130432	FORMS FOR MAILING.COM	01/30/2024	02/29/2024	1,110.00	02/24	0	65-41-144
130530	CONTRACT FOR MARCH 24 - 90% UTILITIES - SPLIT DISTRIBUTION	02/01/2024	03/02/2024	1,167.30	02/24	0	65-41-318
Total CASELLE, INC. (1430):				<u>2,277.30</u>			
<b>CATALYST CONSTRUCTION (5712)</b>							
153	Fiber Server Office Rent	02/01/2024	02/29/2024	100.00	02/24	0	90-41-580
Total CATALYST CONSTRUCTION (5712):				<u>100.00</u>			
<b>CHEMTECH-FORD LABORATORIES, INC. (1481)</b>							
4020042	Water Tests	02/15/2024	03/16/2024	14.00	02/24	0	81-41-314
24B1159	Water Tests	02/20/2024	03/21/2024	61.00	02/24	0	81-41-314
Total CHEMTECH-FORD LABORATORIES, INC. (1481):				<u>75.00</u>			
<b>CUSTOMER DEPOSIT (5518)</b>							
3505805 013	3505805 CUSTOMER DEPOSIT REFUND	01/31/2024	02/29/2024	174.17	02/24	0	81-21350
6830007 021	6830007 CUSTOMER DEPOSIT REFUND	02/13/2024	02/29/2024	489.41	02/24	0	81-21350
6001104 022	6001104 CUSTOMER DEPOSIT REFUND	02/20/2024	02/29/2024	47.08	02/24	0	81-21350
Total CUSTOMER DEPOSIT (5518):				<u>710.66</u>			
<b>DELUXE CORPORATION (5935)</b>							
9003701540	DEPOSIT SLIPS	01/23/2024	02/29/2024	237.63	02/24	0	65-41-144
Total DELUXE CORPORATION (5935):				<u>237.63</u>			
<b>DJB GAS SERVICES, INC. (4750)</b>							
01485816	CYLINDER RENTAL	01/31/2024	03/01/2024	29.92	02/24	0	65-41-250
01491116	Gas for Welders at Labshop	02/22/2024	03/23/2024	182.14	02/24	0	65-41-250
Total DJB GAS SERVICES, INC. (4750):				<u>212.06</u>			
<b>DOMINION ENERGY (5607)</b>							
5948550000-	Natural Gas Commodity	01/31/2024	02/29/2024	8,406.95	02/24	0	84-41-434
Total DOMINION ENERGY (5607):				<u>8,406.95</u>			
<b>EXECUTECH UTAH, INC. (5553)</b>							
31198	OFFICE 365 G3 GCC (GOVERNMENT) 70% SPLIT	01/31/2024	02/29/2024	661.35	02/24	0	65-41-318
31208	IT MANAGEMENT SERVICES 70% SPLIT	02/01/2024	02/29/2024	2,625.00	02/24	0	65-41-318
Total EXECUTECH UTAH, INC. (5553):				<u>3,286.35</u>			
<b>FISCHER CONTRACTING (5801)</b>							
1045	SEWER HEADWORKS BUILDING REPAIRS 70% SPLIT	01/31/2024	02/29/2024	3,080.00	02/24	0	82-41-340
1045	SEWER HEADWORKS BUILDING REPAIRS 30% SPLIT	01/31/2024	02/29/2024	1,320.00	02/24	0	82-42-750
Total FISCHER CONTRACTING (5801):				<u>4,400.00</u>			
<b>GARKANE ENERGY (5057)</b>							
1709902 022	POWER PLANT WELL	02/14/2024	02/29/2024	52.82	02/24	0	81-41-285
1717500 022	CENTENNIAL PARK LIFT STATION	02/21/2024	02/29/2024	827.34	02/24	0	82-41-285
1734500 022	EAST WATER TANKS	02/21/2024	02/29/2024	61.11	02/24	0	81-41-285
1763000 022	SPRINKLER PUMP STATION	02/14/2024	02/29/2024	221.39	02/24	0	82-41-285
1763900 022	SEWER HEADWORKS	02/14/2024	02/29/2024	2,664.59	02/24	0	82-41-285

Invoice	Description	Invoice Date	Due Date	Total Cost	Period	GL Activity	GL Account
1768100 022	Well #8	02/21/2024	02/29/2024	303.79	02/24	0	81-41-285
1772300 022	Well #10	02/21/2024	02/29/2024	39.23	02/24	0	81-41-285
1772400 022	Well #4	02/21/2024	02/29/2024	365.68	02/24	0	81-41-285
1772500 022	CITY HALL POWER 67% SPLIT	02/14/2024	02/29/2024	300.56	02/24	0	65-41-285
1775500 022	WATER PLANT POWER	02/21/2024	02/29/2024	2,337.29	02/24	0	81-41-285
1780600 022	Well #19	02/21/2024	02/29/2024	37.51	02/24	0	81-41-285
1781000 022	Well #17	02/21/2024	02/29/2024	33.18	02/24	0	81-41-285
1782300 022	Lab Shop Power	02/14/2024	02/29/2024	859.98	02/24	0	65-41-285
1782501 022	Well #22	02/14/2024	02/29/2024	564.84	02/24	0	81-41-285
1787300 022	PROPANE YARD	02/14/2024	02/29/2024	94.54	02/24	0	84-41-285
1793900 022	MILLION GALLON TANK	02/14/2024	02/29/2024	40.50	02/24	0	81-41-285
1945500 022	ACADEMY AVE WELL	02/21/2024	02/29/2024	43.79	02/24	0	81-41-285
2026700 022	Well #21	02/21/2024	02/29/2024	3,098.69	02/24	0	81-41-285
Total GARKANE ENERGY (5057):				11,946.83			
<b>HILDALE CITY (2160)</b>							
NAT 0124	NATURAL GAS ENERGY AND USE TAX	02/09/2024	02/24/2024	3,985.11	02/24	0	84-21376
Total HILDALE CITY (2160):				3,985.11			
<b>HILDALE CITY UTILITIES (2170)</b>							
3180001-012	Lab Shop Utilities	02/08/2024	02/23/2024	1,177.21	02/24	0	65-41-280
6077001-012	CITY HALL UTILITIES - 67% Utilities - Split Distribution	02/08/2024	02/23/2024	419.27	02/24	0	65-41-280
6428701-012	Propane Yard Lease	02/08/2024	02/23/2024	100.00	02/24	0	84-41-580
7011201-012	PROPANE VAPORIZER	02/08/2024	02/23/2024	31.43	02/24	0	84-41-280
Total HILDALE CITY UTILITIES (2170):				1,727.91			
<b>HOLIDAY RESORT MANAGEMENT, PC (5930)</b>							
02012024	APARTMENT RENT	02/01/2024	02/29/2024	1,002.49	02/24	0	65-41-580
Total HOLIDAY RESORT MANAGEMENT, PC (5930):				1,002.49			
<b>HOME DEPOT (2220)</b>							
1616684	GAS DEPT.	01/26/2024	02/25/2024	634.51	02/24	0	84-41-273
21353	SEWER HEADWORKS BUILDING 70% SPLIT	01/17/2024	02/16/2024	926.04	02/24	0	82-41-340
21353	SEWER HEADWORKS BUILDING 30% SPLIT	01/17/2024	02/16/2024	396.87	02/24	0	82-42-750
6616084	OFFICE CLEANING SUPPLIES	01/21/2024	02/20/2024	206.92	02/24	0	64-41-271
Total HOME DEPOT (2220):				2,164.34			
<b>HOMETOWN WELLNESS PLLC (5933)</b>							
1041	MITCH. PHYSICAL FOR CDL	01/30/2024	02/29/2024	100.00	02/24	0	84-41-330
1042	NATE PHYSICAL FOR CDL	01/25/2024	02/29/2024	100.00	02/24	0	84-41-330
Total HOMETOWN WELLNESS PLLC (5933):				200.00			
<b>HYDRO SPECIALTIES CO. (5201)</b>							
27929	Water Meters	02/16/2024	02/29/2024	6,177.60	02/24	0	81-41-273
Total HYDRO SPECIALTIES CO. (5201):				6,177.60			
<b>JERALD A POSTEMA (5894)</b>							
1046-24	UTILITIES DIRECTOR CONTRACT FOR JANUARY 2024	02/21/2024	02/29/2024	5,000.00	02/24	0	65-41-310
1046-24	FOOD AND TRAVEL REIMBURSEMENT	02/21/2024	02/29/2024	926.48	02/24	0	65-41-310
1047-24	UTILITIES DIRECTOR CONTRACT FOR FEBRUARY 2024	02/24/2024	02/29/2024	5,000.00	02/24	0	65-41-310
1047-24	FOOD AND TRAVEL REIMBURSEMENT	02/24/2024	02/29/2024	622.06	02/24	0	65-41-310



Invoice	Description	Invoice Date	Due Date	Total Cost	Period	GL Activity	GL Account
Total JERALD A POSTEMA (5894):				11,548.54			
<b>JONES &amp; DEMILLE ENGINEERING (5821)</b>							
0132321	HILDALE BOOSTER PUMP STATION DESIGN - PAY REQUEST 1	10/11/2023	02/29/2024	2,640.00	02/24	0	81-41-311
0133330	HILDALE BOOSTER PUMP STATION DESIGN - PAY REQUEST 2	02/05/2024	02/29/2024	6,460.00	02/24	0	81-41-311
Total JONES & DEMILLE ENGINEERING (5821):				9,100.00			
<b>LES OLSON COMPANY (2671)</b>							
EA1376592	MAINTENANCE CONTRACT - 75% UTILITIES	02/20/2024	03/21/2024	359.58	02/24	0	65-41-144
Total LES OLSON COMPANY (2671):				359.58			
<b>LORI WEDEMEYER (5921)</b>							
12024	JANUARY HR CONSULTING SPLIT 50%	01/29/2024	02/29/2024	750.00	02/24	0	65-41-310
Total LORI WEDEMEYER (5921):				750.00			
<b>MONSEN ENGINEERING, LLC (2850)</b>							
PM-INV0269	GPS Base Station	12/06/2023	01/05/2024	5,265.00	02/24	0	65-41-780
Total MONSEN ENGINEERING, LLC (2850):				5,265.00			
<b>NGL SUPPLY CO. LTD (5605)</b>							
NGL523519	Propane tanker loads 2	02/16/2024	02/29/2024	17,667.22	02/24	0	84-41-432
NGL524329	Propane tanker loads 2	02/20/2024	02/29/2024	5,297.38	02/24	0	84-41-432
NGL524330	Propane tanker loads 2	02/20/2024	02/29/2024	13,560.28	02/24	0	84-41-432
Total NGL SUPPLY CO. LTD (5605):				36,524.88			
<b>PINNACLE GAS PRODUCTS (5471)</b>							
162716	regulators and pipe fittings	01/03/2024	02/29/2024	2,352.17	02/24	0	81-41-341
163817	gas regulator and fittings	02/02/2024	02/29/2024	150.08	02/24	0	84-41-340
164021	gas regulator and fittings	02/08/2024	02/29/2024	1,677.40	02/24	0	84-41-340
164022	regulators and pipe fittings	02/08/2024	02/29/2024	157.76	02/24	0	81-41-341
Total PINNACLE GAS PRODUCTS (5471):				4,337.41			
<b>PREFERRED PARTS (4694)</b>							
15048-15367	Utility Truck # 3221 Windshield Wipers	02/02/2024	02/29/2024	35.98	02/24	0	65-41-250
15048-15384	Windsheild Wipers & Bulb Headlight Replacement	02/05/2024	02/29/2024	85.08	02/24	0	65-41-250
15048-15387	Service Parts for Utility Truck#3221	02/05/2024	02/29/2024	89.33	02/24	0	65-41-250
15048-15404	Utility Tuck 3141 Service	02/07/2024	02/29/2024	59.18	02/24	0	65-41-250
15048-15434	MAGNETS TO HOLD LASER TO STEEL BEAM	02/12/2024	02/29/2024	31.32	02/24	0	81-41-273
15048-15451	Batteries for Utility Truck 3171	02/14/2024	02/29/2024	288.96	02/24	0	65-41-250
15048-15510	Service Parts for Utility Truck#3152	02/21/2024	02/29/2024	55.07	02/24	0	65-41-250
15048-15520	Battery Charger for Hildale Gas Yard	02/22/2024	02/29/2024	87.98	02/24	0	84-41-250
15048-15559	Lights for Utility Truck 3171	02/27/2024	02/29/2024	18.94	02/24	0	65-41-250
Total PREFERRED PARTS (4694):				751.84			
<b>PUBLIC MANAGEMENT PARTNERS (5745)</b>							
01-2024	COURT MONITOR FEES FOR JANUARY 2024	02/07/2024	02/29/2024	726.83	02/24	0	63-41-310
Total PUBLIC MANAGEMENT PARTNERS (5745):				726.83			

Invoice	Description	Invoice Date	Due Date	Total Cost	Period	GL Activity	GL Account
<b>RATON, LLC (5633)</b>							
1962	SEWER HEADWORKS - 30% SPLIT	02/13/2024	02/29/2024	307.80	02/24	0	82-42-750
1962	SEWER HEADWORKS - 70% SPLIT	02/13/2024	02/29/2024	718.19	02/24	0	82-41-340
Total RATON, LLC (5633):				<u>1,025.99</u>			
<b>ROCKY MOUNTAIN POWER (4202)</b>							
68511976-00	MONTHLY POWER	02/05/2024	03/06/2024	11.16	02/24	0	84-41-285
Total ROCKY MOUNTAIN POWER (4202):				<u>11.16</u>			
<b>SCHOLZEN PRODUCTS COMPANY, INC. (3450)</b>							
6802929-00	Chlorine	01/30/2024	02/29/2024	111.14	02/24	0	81-41-273
3046025-00	CYLINDER MONTHLY RENTAL	02/16/2024	03/17/2024	124.80	02/24	0	81-41-273
5571963	GASKET	01/22/2024	02/21/2024	199.28	02/24	0	65-41-250
5571963	GASKET	01/22/2024	02/21/2024	199.28	02/24	0	65-41-250
5572624	N-HOSE	01/26/2024	02/25/2024	205.43	02/24	0	65-41-250
5572624	N-HOSE	01/26/2024	02/25/2024	205.43	02/24	0	65-41-250
6803382-00	Water Repair Fittings	02/05/2024	03/06/2024	1,727.40	02/24	0	81-41-273
6803399-00	Sewer Lateral Repair Parts	02/05/2024	03/06/2024	706.52	02/24	0	82-41-273
6803399-01	Sewer Lateral Repair Parts	02/14/2024	03/15/2024	63.10	02/24	0	82-41-273
6805035-00	marking paint	02/14/2024	03/15/2024	671.76	02/24	0	65-41-250
6805514-00	Steel pipe supports	02/14/2024	03/15/2024	147.52	02/24	0	81-41-273
6809148-00	Hydrant Repair Parts	02/28/2024	03/29/2024	799.31	02/24	0	81-41-273
687320-00	Water Treatment Plant Upgrade Project	02/26/2024	03/27/2024	1,523.56	02/24	0	81-41-273
Total SCHOLZEN PRODUCTS COMPANY, INC. (3450):				<u>5,875.11</u>			
<b>SHRED ST GEORGE (5401)</b>							
5334702122	65 GAL BULK SHRED - PAPER SHREDDING - 50% UTILITIES	02/12/2024	02/29/2024	27.48	02/24	0	65-41-271
Total SHRED ST GEORGE (5401):				<u>27.48</u>			
<b>SOUTH CENTRAL COMMUNICATIONS (3560)</b>							
8297800 022	CITY HALL PHONES & FAX LINES - 67% UTILITIES - Split Distribution	02/01/2024	02/16/2024	646.42	02/24	0	65-41-287
Total SOUTH CENTRAL COMMUNICATIONS (3560):				<u>646.42</u>			
<b>STEPHEN WADE AUTO CENTER (3692)</b>							
5571774	GASKET	01/18/2024	02/17/2024	136.09	02/24	0	65-41-250
5572238	CORE RETURN	01/23/2024	02/22/2024	400.00	02/24	0	65-41-250
5571963	GASKET	01/22/2024	02/21/2024	199.28	02/24	0	65-41-250
5572624	N HOSE	01/26/2024	02/25/2024	205.43	02/24	0	65-41-250
Total STEPHEN WADE AUTO CENTER (3692):				<u>140.80</u>			
<b>SUMMIT ENERGY, LLC (4605)</b>							
0124HILD	Wholesale Gas Purchases	02/05/2024	03/06/2024	67,436.44	02/24	0	84-41-431
Total SUMMIT ENERGY, LLC (4605):				<u>67,436.44</u>			
<b>SUNRISE ENGINEERING, INC. (3740)</b>							
0138381	LAGOON HEADWORKS RECONSTRUCTION	11/08/2023	12/08/2023	615.25	02/24	0	82-41-311
Total SUNRISE ENGINEERING, INC. (3740):				<u>615.25</u>			

Invoice	Description	Invoice Date	Due Date	Total Cost	Period	GL Activity	GL Account
<b>SUSAN STEED (5720)</b>							
56	PROPANE YARD BATHROOMS	02/02/2024	02/29/2024	18.00	02/24	0	65-41-271
Total SUSAN STEED (5720):				18.00			
<b>The Data Center, LLC (5932)</b>							
65709	FULL COLOR STATEMENTS & POSTAGE	02/13/2024	02/29/2024	744.33	02/24	0	65-41-144
Total The Data Center, LLC (5932):				744.33			
<b>TOWN OF COLORADO CITY (3930)</b>							
10612	DOJ COURT COST SHARING - CARTER	01/02/2024	01/31/2024	1,278.20	02/24	0	63-41-310
10613	DOJ COURT COST SHARING - KEITH	01/02/2024	01/17/2024	3,009.60	02/24	0	63-41-310
10641	General & Professional Liability & Auto Insurance	02/01/2024	02/16/2024	2,297.65	02/24	0	84-41-510
10641	Risk Management Fund monthly pmt	02/01/2024	02/16/2024	598.35	02/24	0	65-41-510
10641	TUITION REIMBURSEMENT FUND PORTION	02/01/2024	02/16/2024	239.34	02/24	0	65-41-140
10641	PROPANE LIABILITY	02/01/2024	02/16/2024	270.90	02/24	0	84-41-510
10659	PROPANE TRUCK - FUEL	02/05/2024	02/20/2024	355.32	02/24	0	84-41-257
10659	VAC TRUCK - FUEL	02/05/2024	02/20/2024	174.28	02/24	0	82-41-257
10659	UTILITIES - FUEL	02/05/2024	02/20/2024	2,551.35	02/24	0	65-41-257
10659	ADMIN FEE FOR UTILITIES	02/05/2024	02/20/2024	130.34	02/24	0	65-41-257
10661	DOJ COURT COST SHARING - KEITH	02/08/2024	02/23/2024	2,390.85	02/24	0	63-41-310
PROST 0124	AZ SALES TAX PROPANE	01/31/2024	02/15/2024	2,839.97	02/24	0	84-21371
WAT 0124	AZ SALES TAX WATER	01/31/2024	02/15/2024	1,076.93	02/24	0	81-21371
10664	JUF PAYROLL 02.16.24	02/15/2024	02/29/2024	19,016.92	02/24	0	65-41-110
10664	JUF CITY MANAGER 02.16.24	02/15/2024	02/29/2024	1,262.31	02/24	0	65-41-113
10664	JUF CITY RECORDER 02.16.24	02/15/2024	02/29/2024	1,255.00	02/24	0	65-41-115
10664	JUF CITY TREASURER 02.16.24	02/15/2024	02/29/2024	2,186.25	02/24	0	65-41-114
10664	JUF PAYROLL TAXES 02.16.24	02/15/2024	02/29/2024	1,773.31	02/24	0	65-41-130
10664	JUF BENEFITS 02.16.24	02/15/2024	02/29/2024	5,809.02	02/24	0	65-41-140
10664	ADMIN FEES	02/15/2024	02/29/2024	254.09	02/24	0	65-41-242
10668	ADMIN FEES	02/16/2024	03/02/2024	232.38	02/24	0	65-41-242
10668	JUF BENEFITS 02.02.24	02/16/2024	03/02/2024	1,508.61	02/24	0	65-41-140
10668	JUF PAYROLL TAXES 02.02.24	02/16/2024	03/02/2024	1,967.93	02/24	0	65-41-130
10668	JUF CITY TREASURER 02.02.24	02/16/2024	03/02/2024	1,912.23	02/24	0	65-41-114
10668	JUF CITY RECORDER 02.02.24	02/16/2024	03/02/2024	1,255.00	02/24	0	65-41-115
10668	JUF CITY MANAGER 02.02.24	02/16/2024	03/02/2024	1,262.31	02/24	0	65-41-113
10668	JUF PAYROLL 02.02.24	02/16/2024	03/02/2024	21,907.36	02/24	0	65-41-110
10671	DOJ COURT COST SHARING - CARTER	02/27/2024	03/13/2024	897.05	02/24	0	63-41-310
Total TOWN OF COLORADO CITY (3930):				79,712.85			
<b>UNIFIRST CORPORATION (4055)</b>							
2310019007	LAUNDRY	02/05/2024	03/06/2024	171.82	02/24	0	65-41-260
2310019508	LAUNDRY	02/12/2024	03/13/2024	445.21	02/24	0	65-41-260
2310020021	LAUNDRY	02/19/2024	03/20/2024	161.61	02/24	0	65-41-260
2310020562	LAUNDRY	02/26/2024	03/27/2024	740.50	02/24	0	65-41-260
Total UNIFIRST CORPORATION (4055):				1,519.14			
<b>UTAH STATE TAX COMMISSION (4221)</b>							
STC 0124	SALES AND USE TAX DECEMBER 2024	01/31/2024	03/01/2024	2,630.87	02/24	0	84-21375
Total UTAH STATE TAX COMMISSION (4221):				2,630.87			
<b>VIEWPOINT FINANCIAL SERVICES, LLC (5875)</b>							
2024-01HD	FINANCIAL CONSULTING SERVICES - JANUARY 2024 70% SPLIT	02/05/2024	02/29/2024	5,034.75	02/24	0	65-41-145

Invoice	Description	Invoice Date	Due Date	Total Cost	Period	GL Activity	GL Account
Total VIEWPOINT FINANCIAL SERVICES, LLC (5875):				5,034.75			
<b>XPRESS BILL PAY (5646)</b>							
INV-XPR008	Bill Pay Transactions and Account Maintenance	01/31/2024	02/29/2024	860.39	02/24	0	65-41-318
Total XPRESS BILL PAY (5646):				860.39			
Grand Totals:				282,573.29			

Report GL Period Summary

Vendor number hash:	0
Vendor number hash - split:	0
Total number of invoices:	0
Total number of transactions:	0



# Utilities Monthly Report February 2024

## Gas Operations:

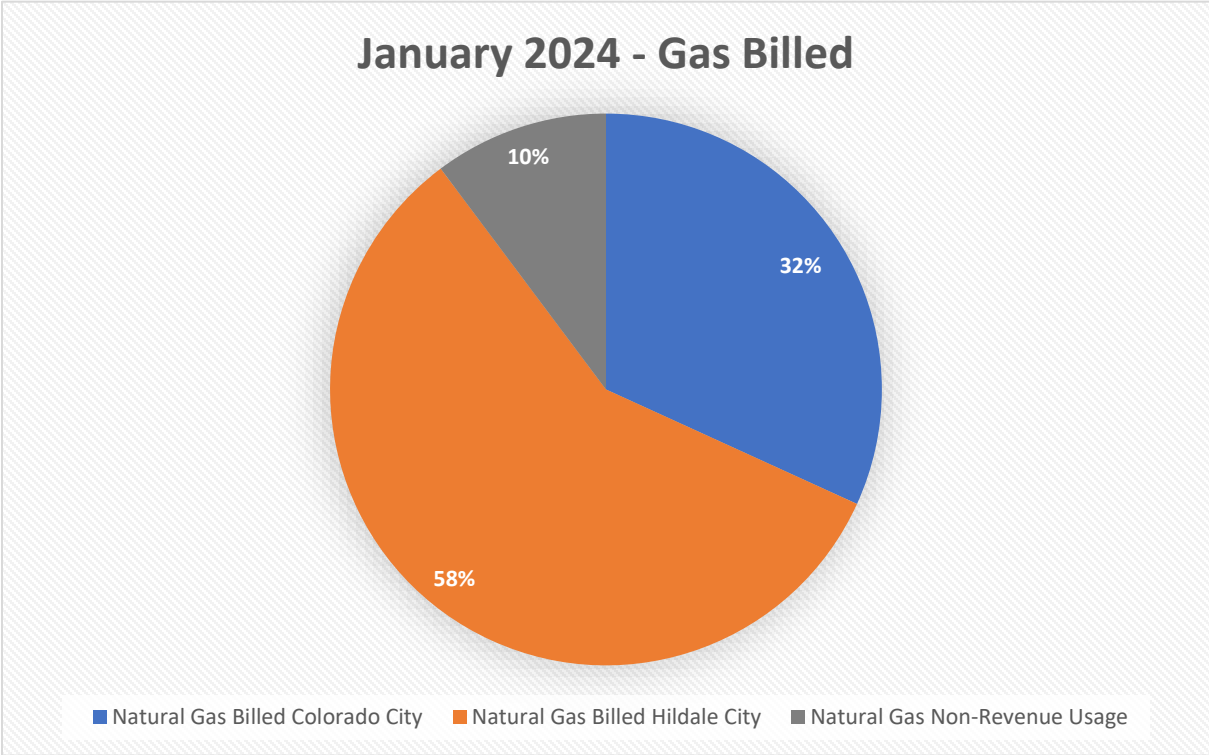
Gas staff extended natural gas service lines to five (5) properties on Apple Avenue, from 100 West to 300 West, and are working with the customers to get them fully connected to the gas service.





**Natural Gas billed to Colorado City and Hildale City customers for January 2024.**

Description	Quantity Billed*	Number of Customers
Natural Gas Purchased	8,918,000	
Natural Gas Billed Colorado City	2,837,000	375
Natural Gas Billed Hildale City	5,169,000	311
Natural Gas Non-Revenue Usage	912,000	
*Numbers are in Corrected Cubic Feet (100 Corrected Cubic Feet = 1 Therm)		







**Sewer Operations:**

The Utility Crew cleaned 1,950 feet of sewer main line this month. The sewer headworks screen at the sewer ponds is working as designed. Once the road conditions improve, as a maintenance measure staff will clean the sand out from the grit collection basin.

Staff created an Effective Guideline Practice (EGP) for Vac-Truck operations and a comprehensive daily pre-trip Vac-Truck inspection checklist that will greatly improve operator safety and address ongoing maintenance for equipment.



**Water Operations:**

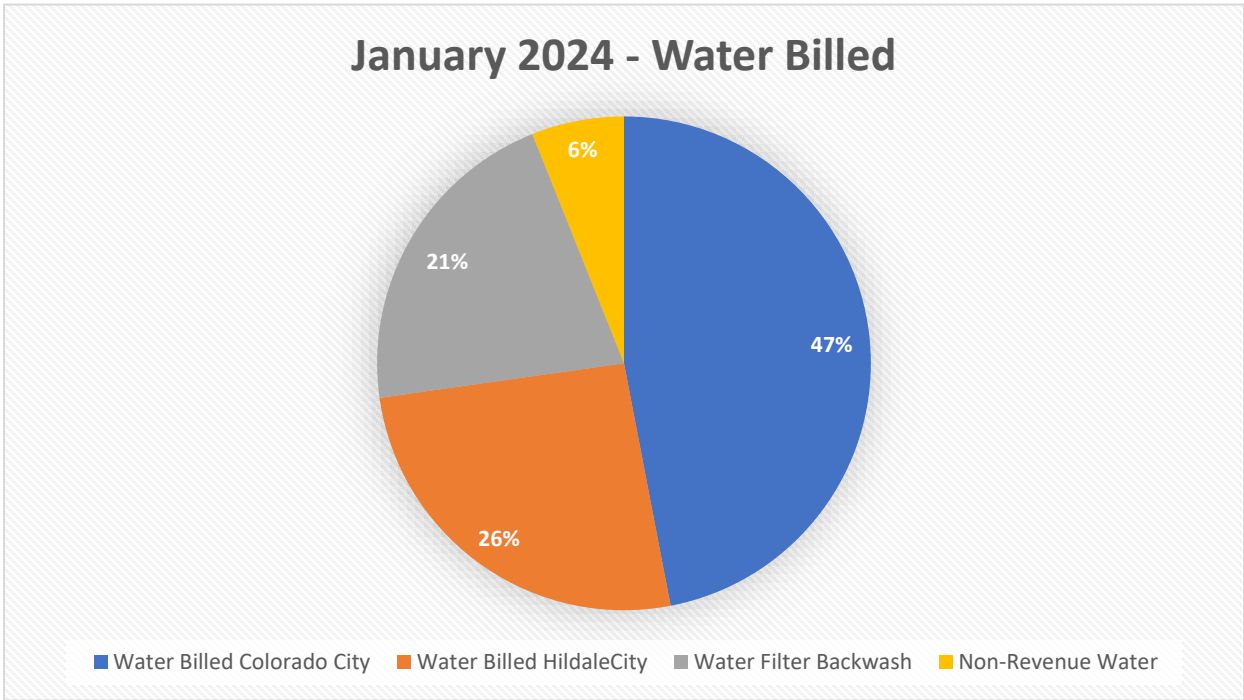
The Utility Department currently has four (4) inoperable fire hydrants that were damaged due to high usage by contractors and one that was installed incorrectly. Staff are repairing the hydrants. There will be a training program set up for contractors and others who use the hydrants as a preventive measure for the future.

Staff created an Effective Guideline Practice (EGP) for customer meter shutoffs and reconnects. Utility Field Technicians were given training in the guidelines.



**Water billed to Colorado City and Hildale City customers for January 2024.**

Description	Quantity Billed*	Number of Customers
Water Produced	17,481,000	
Water Billed Colorado City	10,419,000	795
Water Billed Hildale City	5,719,000	377
Water Filter Backwash	4,698,000	
Non-Revenue Water	1,343,000	
*Numbers are in gallons		







### New Hires, Training, and Mapping System

We welcomed three (3) new Utility Technicians to the team this month! Staff have been working hard training the new hires. We congratulate two (2) of them for recently completing the Fire Marshall training and passing the exams!

The Utility Department worked with Sunrise Engineering to help improve the Cloud Smart Geographic Information System (GIS) and was given a demonstration on how to update the Utility maps. We are looking forward to using this system in the field to improve our mapping and line-locating abilities. See the example map below of water lines, valves, and meter locations.



*(Utility Water System Map showing water mains and valve locations)*



**Fiber Operations:**

Staff are working with TKS on trouble shooting a possible bad switch on the Utility fiber line which may be contributing to intermittent fluctuations in the signal to a TKS customer.

**Administration:**

Staff have ordered the pump, motor, Variable Frequency Drive (VFD), meter, Supervisory Control and Data Acquisition (SCADA) programs, valves, power supply, wiring and other items to place Well #17 in service once we have the proper permitting completed.

The bids were received for the Wells and Raw Water Line installation as part of the Mohave County Grant to Colorado City. Well bids were within the estimated costs and will be awarded Monday, March 4, 2024.

The Raw Water Line bids were significantly higher than estimated and will not be awarded as the funding is not available to complete the project as designed and bid. Staff will work with the Engineer to re-design the system and go out for a re-bid in April of 2024.

Utility Staff attended the Rural Water Association of Utah conference in Saint George the last week in February. The conference provides training for maintaining current certifications in Water and Sewer along with providing training and testing for employees for new or higher-level certifications.

Staff completed three (3) Effective Guideline Practices (EGP) for procedures in Water, Gas and Sewer. The EGP defines the level of potential hazards, the type of Personal Protective Equipment (PPE) needed to work on the jobs/tasks and how each step must be taken. As the job/task is being identified and placed into the EGP, staff are being trained in the process.

The Rate Study, through the Rural Community Assistance Corporation (RCAC), is now substantially complete and will be reviewed by the Utility Advisory Board (UAB)



at a special Work Session on March 7, 2024, led by RCAC staff to verify the opportunities to increase rates and provide for conservation measures, as required by EPA, Arizona, and Utah. Once the initial rate options have been discussed and reviewed by the UAB 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).

Second compliance sampling for PFAS was completed at all the water sources in the HCC system at the end of February. Once we get the results, we will work with Utah Division of Drinking Water (DDW) and Arizona Department of Environmental Quality (ADEQ) for what, if any, steps need to be taken.

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 decided on the conversion of the current gas and water meter reading system using an updated radio read system that will provide better service and reliability. The system will be put out for bid and selection of a provider soon and presented to the UAB and Councils. The current system, Badger Meter, has discontinued the gas meter portion of their 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 radio reading company.





Item 4.

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. The VFD's reduce electrical use and will provide cost savings in the system and to the community.

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

2023-26 HCUB WATER MASTER PLAN CAPITAL IMPROVEMENT PROJECTS							
PROJECT TITLE / LOCATION	PROJECT DESCRIPTION	FY 2024	FY 2025	FY 2026	FY 2028	FY 2029 - 2042	TOTAL WITH INFLATION
Treatment Plant Wells	Water Master Plan	\$ 1,327,400					\$ 1,327,400
Fire Hydrant Project	Water Master Plan	\$ 1,785,500					\$ 1,785,500
Raw Water Transmission Line	Water Master Plan	\$ 1,125,300					\$ 1,125,300
5 Year Arizona Well Field	Water Master Plan	\$ 728,500	\$ 728,500	\$ 728,500	\$ 1,457,000		\$ 3,642,500
5 Year Utah Well Field	Water Master Plan	\$ 1,531,340	\$ 1,531,340	\$ 1,531,340	\$ 3,062,680		\$ 7,656,700
Sandhill Tank 1	Water Master Plan		\$ 6,299,700				\$ 6,299,700
Small Treatment Plant (1,600 gpm)	Water Master Plan		\$ 6,264,400				\$ 6,264,400
Upper Pressure Zone Improvements	Water Master Plan			\$ 925,000			\$ 925,000
Canyon St. Line	Water Master Plan				\$ 450,800		\$ 450,800
Northwest Hildale Transmission Line	Water Master Plan				\$ 2,292,300		\$ 2,292,300
10 Year Arizona Well Field	Water Master Plan					\$ 4,970,700	\$ 4,970,700
10 Year Utah Well Field	Water Master Plan					\$ 10,324,400	\$ 10,324,400
Hildale St. Line	Water Master Plan					\$ 558,500	\$ 558,500
Trailhead Well 1	Water Master Plan					\$ 3,384,900	\$ 3,384,900
Trailhead Well 2	Water Master Plan					\$ 2,371,300	\$ 2,371,300
Trailhead Tank	Water Master Plan					\$ 3,980,400	\$ 3,980,400
Additional Treatment Capacity PH 1	Water Master Plan					\$ 12,096,800	\$ 12,096,800
Hildale Groundwater Project PH I	Water Master Plan					\$ 5,408,600	\$ 5,408,600
South Concrete Tank	Water Master Plan					\$ 6,319,700	\$ 6,319,700
Additional Treatment Capacity PH 2	Water Master Plan					\$ 16,548,100	\$ 16,548,100
Hildale Groundwater Project PH II	Water Master Plan					\$ 6,197,400	\$ 6,197,400
Sandhill Tank 2	Water Master Plan					\$ 10,088,000	\$ 10,088,000
Hildale Groundwater Project PH III	Water Master Plan					\$ 5,132,800	\$ 5,132,800
Southwest Hildale Transmission Line	Water Master Plan					\$ 1,493,800	\$ 1,493,800
20 Year Arizona Well Field	Water Master Plan					\$ 11,690,300	\$ 11,690,300
20 Year Utah Well Field	Water Master Plan					\$ 24,281,500	\$ 24,281,500
Transmission line to Airport	Water Master Plan					\$ 3,576,000	\$ 3,576,000
Power Plant Well to Treatment Plant	Piping from Well to Treatment Plant		\$ 586,500				\$ 586,500
Well #8 Enhancements	Enhance Production and Blending with 2 New Wells	\$ 245,000					\$ 245,000
Meter Replacement & Radio Read Project	Change out 200 Meters with Radio Read Meters	\$ 100,000	\$ 50,000				\$ 150,000
Well Rehabilitation and Replacement	Annual Program to Clean & Rehabilitate Wells	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 500,000
Clear Well Tank	Install New Clear Well Tank at WTP	\$ 150,000	\$ 150,000				\$ 300,000
Water Treatment Plant Upgrades	Change out Media, Upsize Header Pipe	\$ 100,000					\$ 100,000
Engineering Services	Design, Cost Estimates	\$ 40,000	\$ 40,000	\$ 40,000	\$ 40,000		\$ 160,000
Legal Services	Contracts, Easements, etc.	\$ 20,000	\$ 20,000	\$ 20,000	\$ 20,000		\$ 80,000
							\$ -
							\$ -
							\$ -
							\$ -
							\$ -
							\$ -
							\$ -
							\$ -
							\$ -
NOTES	Overall Request Before Inflation						\$ 31,157,555
							\$ -
							\$ -
<b>TOTALS</b>	<b>With Inflation</b>	<b>\$ 7,253,040</b>	<b>\$ 15,770,440</b>	<b>\$ 3,344,840</b>	<b>\$ 7,422,780</b>	<b>\$ 128,523,200</b>	<b>\$ 162,314,300</b>

2023-26 HCCUB SEWER MASTER PLAN CAPITAL IMPROVEMENT PROJECTS							
PROJECT TITLE / LOCATION	PROJECT DESCRIPTION	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028 - 2035	TOTAL WITH INFLATION
E Line Improvments	Sewer Master Plan	\$ 521,091					\$ 521,091
A2 Line Improvements	Sewer Master Plan	\$ 218,024					\$ 218,024
A Line Improvements	Sewer Master Plan	\$ 194,750					\$ 194,750
Treatment Site Improvements	Sewer Master Plan	\$ 1,216,275					\$ 1,216,275
Manhole Replacement	Replace 42 Decayed Manholes	\$ 1,200,000					\$ 1,200,000
Sewer Plant Headworks Installation	Install New Sewer Headworks at WWTP	\$ 550,000					\$ 550,000
Engineering Services	Design, Cost Estimates	\$ 40,000	\$ 40,000	\$ 40,000	\$ 40,000		\$ 160,000
Legal Services	Contracts, Easements, etc	\$ 20,000	\$ 20,000	\$ 20,000	\$ 20,000		\$ 80,000
							\$ -
							\$ -
							\$ -
							\$ -
							\$ -
							\$ -
							\$ -
							\$ -
							\$ -
							\$ -
							\$ -
							\$ -
							\$ -
							\$ -
NOTES	Project Interest						\$ 849,261
							\$ -
							\$ -
							\$ -
<b>TOTALS</b>		<b>\$ 1,810,000</b>	<b>\$ 60,000</b>	<b>\$ 60,000</b>	<b>\$ 60,000</b>	<b>\$ -</b>	<b>\$ 3,688,523</b>

2023-26 HCCUB GAS MASTER PLAN CAPITAL IMPROVEMENT PROJECTS							
PROJECT TITLE / LOCATION	PROJECT DESCRIPTION	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028 - 2045	TOTAL WITH INFLATION
Engineering Services	Design, Cost Estimates	\$ 40,000	\$ 40,000	\$ 40,000	\$ 40,000		\$ 160,000
Legal Services	Contracts, Easements, etc	\$ 20,000	\$ 20,000	\$ 20,000	\$ 20,000		\$ 80,000
							\$ -
							\$ -
							\$ -
							\$ -
							\$ -
							\$ -
							\$ -
							\$ -
							\$ -
							\$ -
							\$ -
							\$ -
							\$ -
NOTES	Overall Request						
							\$ -
							\$ -
							\$ -
<b>TOTALS</b>		<b>\$ 60,000</b>	<b>\$ 60,000</b>	<b>\$ 60,000</b>	<b>\$ 60,000</b>	<b>\$ -</b>	<b>\$ 240,000</b>

**CHAPTER 50 SEWER REGULATIONS**[ARTICLE 50-I IN GENERAL](#)[ARTICLE 50-II USE OF PUBLIC SEWERS](#)[ARTICLE 50-III PRIVATE SEWAGE DISPOSAL](#)[ARTICLE 50-IV BUILDING SEWERS AND CONNECTIONS](#)[ARTICLE 50-V TREATMENT OF WASTE IN PUBLIC SEWERS](#)[ARTICLE 50-VI AUTHORITY OF INSPECTORS; VIOLATIONS](#)[ARTICLE 50-VII RATES, CHARGES AND PAYMENTS](#)[ARTICLE 50-VIII MISCELLANEOUS](#)

**State Law reference**— Water, lighting and sewers, U.C.A. 1953, § 10-7-4 et seq.

**[ARTICLE 50-I IN GENERAL](#)**[Sec 50-1 Definitions](#)[Sec 50-2 Penalty](#)**[Sec 50-1 Definitions](#)**

The following words, terms and phrases, when used in this chapter, shall have the meanings ascribed to them in this section, except where the context clearly indicates a different meaning:

*BOD* (denoting biochemical oxygen demand) means the quantity of oxygen utilized in the biochemical oxidization of organic matter under standard laboratory procedure in five days at 20 degrees Celsius, expressed in parts per million by weight.

*Building drain* means that part of the lowest horizontal piping of a drainage system which receives the discharge from soil, waste, and other drainage pipes inside the walls of the building and conveys it to the building sewer, beginning five feet outside the inner face of the building wall.

*Building official* means the city building official as provided for under the ordinances of the city, or his duly authorized agent or representative.

*Building sewer* means the extension from the building drain to the public sewer or other place of disposal.

*Consumer* or *customer* means the recipient of wastewater treatment services.

*Finance director/treasurer* means the finance director/treasurer of the city as provided for under the ordinances of the city or his duly authorized agent or representative.

*Garbage* means solid wastes from the preparation, cooking and dispensing of food, and from the handling, storage and sale of food products.

*Industrial wastes* means liquid wastes from industrial processes as distinct from sanitary sewage, resulting from any commercial, manufacturing, or industrial operation or process, but the term "industrial wastes" is not to be construed as meaning any solids, sludge or paunch, or any grease that congeals or becomes solidified, or any matter that emits offensive odor.

*May* means permissive.

*Natural outlet* means any outlet into a watercourse, pond, ditch, lake or other body of surface water or groundwater.



*Occupant* means a person occupying a property for the purpose of residential, industrial or other use, by permission of the owner.

*Occupied* means premises containing a structure which has a physical sanitary sewer connection (tap-in) and water service.

*Owner* means the person recorded on the property tax records for the deeded property.

*Permit* means any written authorization required pursuant to this or any other regulation of the city for the installation of any sewage works.

*pH* means the logarithm of the reciprocal of the weight of hydrogen ions in grams per liter of solution (i.e., the measure of relative acidity).

*Properly shredded garbage* means the wastes from the preparation, cooking and dispensing of food that have been shredded to such degrees that all particles will be carried under the flow conditions normally prevailing in the public sewer, with no particle greater than one-half inch in any dimension.

*Public sewer* means a sewer in which all owners of abutting properties have equal rights, and which is controlled by public authority.

*Public works director* means the public works director as provided for under the ordinances of the city, or his duly authorized agent or representative.

*Residence* means a building or house erected or constructed on any lot, parcel of land or premises and used primarily for dwelling purposes with a yard adjacent thereto.

*Sanitary sewage* means the washes from water closets, urinals, lavatories, sinks, bathtubs, showers, household laundries, basement floor drains, garage floor drains, bars, soda fountains, cuspidors, refrigerator drips, drinking fountains and floor drains, but excluding stormwater, surface water, groundwater and industrial wastes.

*Sanitary sewer* means a sewer which carries sewage, and to which stormwater, surface water and groundwater are not intentionally admitted.

*Sewage* means a combination of water-carried wastes from residences, business buildings, institutions and industrial establishments, together with such groundwater, surface water and stormwaters as may be present.

*Sewage treatment plant or treatment plant* means an arrangement of devices and structures used for treating sewage.

*Sewage works* means all facilities for collecting, pumping, treating and disposing of sewage.

*Sewer* means a pipe or conduit for carrying sewage.

*Sewer connection* means the connection to the public sewer and the extension therefrom of the sewer to the property line at the alley or the curblin of the street, whichever is applicable, depending on the location of the public sewer.

*Sewer connection fee* means the initial sewer tap-in fee and impact fee as set forth in section 50-173 and shall apply to all sewer connections to the public sewer after the effective date of this Code.

*Shall* means mandatory.

*State authority* means either State of Arizona or State of Utah, whichever state has jurisdiction.

*Storm sewer* or *storm drain* means a sewer or drain which carries or disposes of stormwater, surface waters and drainage, but excludes sewage and polluted industrial wastes.

*Suspended solids* means solids that either float on the surface of, or are in suspension in, water, sewage or other liquids; and which are removable by laboratory filtering.

*Treasurer* shall be used interchangeably with "finance director/treasurer" as heretofore defined.

*User charge* or *sewer charge* means the charge made to the recipient of sanitary sewer services by the city to defray the costs of operation, maintenance and replacement (OM&R) of the sewage collection and treatment facilities of the city.

**Wastewater superintendent** means the manager of the city wastewater department or his duly authorized agent or representative.

*Watercourse* means a channel in which a flow of water occurs either continuously or intermittently.

(Ord. No. 2-01-1, § I(2-01-1.01), 2-13-2001)

#### **Sec 50-2 Penalty.**

- (a) Whoever violates any provision of this chapter, for which no other penalty is already provided, beyond the time limit provided in the required notice shall be punished as provided in section 4-2.
- (b) Whoever violates any provision of this chapter shall become liable to the city for any expense, loss, or damage occasioned the city by reason of such violation.

(Ord. No. 2-01-1, § I(2-01-1.99), 2-13-2001)

#### **ARTICLE 50-II USE OF PUBLIC SEWERS**

[Sec 50-21 Depositing Sanitary Matter On Property](#)

[Sec 50-22 Disposal Of Waste Into Natural Outlet](#)

[Sec 50-23 Maintaining A Privy, Privy Vault, Etc](#)

[Sec 50-24 Installation Of Toilet Facilities](#)

[Sec 50-25 Discharge Of Certain Waters Into Sanitary Sewers Unlawful](#)

[Sec 50-26 Storm Sewers/Drains](#)

[Sec 50-27 Waters Which Are Not To Be Discharged Into Sewer](#)

#### **Sec 50-21 Depositing Sanitary Matter On Property**

It shall be unlawful for any person to place, deposit or permit to be deposited in any unsanitary manner upon public or private property, within the city, any human or animal excrement, garbage, or other objectionable waste.

(Ord. No. 2-01-1, § I(2-01-1.02), 2-13-2001)

#### **Sec 50-22 Disposal Of Waste Into Natural Outlet**

It shall be unlawful to discharge to any natural outlet within the city or in any area under jurisdiction of the city any sanitary sewage, industrial wastes or other polluted waters, except where suitable treatment has been provided in accordance with subsequent provisions of this chapter.

(Ord. No. 2-01-1, § I(2-01-1.03), 2-13-2001)

#### **Sec 50-23 Maintaining A Privy, Privy Vault, Etc**

Except as hereinafter provided, it shall be unlawful to construct or maintain any privy, privy vault, septic tank, cesspool or other facility intended or used for the disposal of sewage.

(Ord. No. 2-01-1, § I(2-01-1.04), 2-13-2001)

**Sec 50-24 Installation Of Toilet Facilities**

The occupant of all houses, buildings or properties used for human occupancy, employment, recreation or other purpose, situated within the city and abutting on any street, alley or right-of-way in which there is now located or may in the future be located a public sanitary sewer of the city, is hereby required at his expense to connect all toilet facilities directly with the proper public sewer in accordance with the provisions of this chapter within 90 days after date of official notice to do so provided that such public sewer is within 300 feet of the structure to be served.

(Ord. No. 2-01-1, § I(2-01-1.05), 2-13-2001)

**Sec 50-25 Discharge Of Certain Waters Into Sanitary Sewers Unlawful**

No person shall discharge or cause to be discharged any stormwater, surface water, groundwater, roof runoff, subsurface drainage, cooling water or unpolluted industrial process water to any sanitary sewer.

(Ord. No. 2-01-1, § I(2-01-1.06), 2-13-2001)

**Sec 50-26 Storm Sewers/Drains**

Stormwater and all other unpolluted drainage shall be discharged to such sewers or drains as are specifically designated as such or to a natural outlet approved by the building official. Industrial cooling water or unpolluted process waters may be discharged upon approval of the building official to a storm sewer or natural outlet.

(Ord. No. 2-01-1, § I(2-01-1.07), 2-13-2001)

**Sec 50-27 Waters Which Are Not To Be Discharged Into Sewer**

Except as hereinafter provided, no person shall discharge or cause to be discharged any of the following described waters or wastes to any public sewer:

- (a) Any liquid or vapor having a temperature higher than 150 degrees Fahrenheit.
- (b) Any water or waste which may contain more than 50 parts per million, by weight, of fat, oil or grease.
- (c) Any gasoline, benzene, naphtha, fuel oil or other flammable or explosive liquid, solid or gas.
- (d) Any garbage that has not been properly shredded.
- (e) Any ashes, cinders, sand, mud, straw, shavings, metal, glass, rags, feathers, tar, plastics, wood, paunch manure, grits such as brick, cement, onyx and carbide or any other solid or viscous substances capable of causing obstruction to the flow in sewers or other interference with the proper operation of the sewage works.
- (f) Any waters or wastes having a pH lower than 5.5 or higher than 9.0 or having any other corrosive property capable of causing damage or hazard to structures, equipment and personnel of the sewage works.
- (g) Any waters or waste containing a toxic or poisonous substance in sufficient quantity to injure or interfere with any sewage treatment process, constitute a hazard to humans or animals, or create any hazard in the receiving waters of the sewage treatment plant.

- (h) Any waters or wastes containing suspended solids of such character and quantity that unusual attention or expense is required to handle such materials at the sewage treatment plant.
- (i) Any noxious or malodorous gas or substance capable of creating a public nuisance.

(Ord. No. 2-01-1, § I(2-01-1.08), 2-13-2001)

### **ARTICLE 50-III PRIVATE SEWAGE DISPOSAL**

#### **Sec 50-58 When Required**

#### **Sec 50-59 Before Construction Permit Required; Application Fee**

#### **Sec 50-60 Inspection Of Work To Be Made**

#### **Sec 50-61 Private System Must Comply With All Recommendations**

#### **Sec 50-62 When Private Sewage Disposal Shall Be Abandoned**

#### **Sec 50-63 Operation And Maintenance At Occupant's Expense**

#### **Sec 50-64 Additional Requirements Imposed**

#### **Sec 50-58 When Required**

Where a public sanitary sewer is not available under the provisions of this chapter the building sewer shall be connected to a private sewage disposal system complying with the provisions of this chapter.

(Ord. No. 2-01-1, § I(2-01-1.10), 2-13-2001)

#### **Sec 50-59 Before Construction Permit Required; Application Fee**

- (a) Before the commencement of construction of a private sewage disposal system, the occupant shall first obtain a written permit signed by the building official.
- (b) The application for such a permit shall be made on a form furnished by the building department, which the applicant shall supplement by any plans, specifications and other information as are deemed necessary by the building official.
- (c) A permit and inspection fee according to the schedule of fees and penalties on file shall be paid at the time the application is filed.
- (d) At time of installation, a dry sewer shall be built to the property line nearest the future route of the public sewer in such a manner as to facilitate connection when public service is available.

(Ord. No. 2-01-1, § I(2-01-1.11), 2-13-2001)

#### **Sec 50-60 Inspection Of Work To Be Made**

Use of a private sewage disposal system shall not be permitted until the installation is completed to the requirements of the state plumbing code. The building official shall be allowed to inspect the work at any stage of construction, and, in any event, the applicant for the permit shall notify the building official when the work is ready for final inspection, and before any underground portions are covered. The inspection shall be made within 72 hours of the receipt of notice by the building official.

(Ord. No. 2-01-1, § I(2-01-1.12), 2-13-2001)

#### **Sec 50-61 Private System Must Comply With All Recommendations**

The type, capacity, location and layout of a private sewage disposal system shall comply with all recommendations of the appropriate state authority. No septic tank or cesspool shall be permitted to discharge into any public sewer. No septic tank or cesspool shall be allowed unless there is in connection therewith a proper leaching bed or leaching well.

(Ord. No. 2-01-1, § I(2-01-1.13), 2-13-2001)

**Sec 50-62 When Private Sewage Disposal Shall Be Abandoned**

At such time as a public sewer becomes available to a property served by a private sewage disposal system, as provided in this chapter, a direct connection shall be made to the public sewer in compliance with this chapter, and any septic tanks, cesspools, or similar private sewage disposal facilities shall be abandoned and if deemed necessary by the building official, pumped out and filled with suitable materials at the expense of the occupant.

(Ord. No. 2-01-1, § I(2-01-1.14), 2-13-2001)

**Sec 50-63 Operation And Maintenance At Occupant's Expense**

The occupant shall operate and maintain the private sewage disposal facilities in a manner satisfying the state plumbing code at all times at no expense to the city.

(Ord. No. 2-01-1, § I(2-01-1.15), 2-13-2001)

**Sec 50-64 Additional Requirements Imposed**

No statement contained in this section shall be construed to interfere with any additional requirement that may be imposed by the building official in compliance with the state plumbing code.

(Ord. No. 2-01-1, § I(2-01-1.16), 2-13-2001)

**ARTICLE 50-IV BUILDING SEWERS AND CONNECTIONS**

[Sec 50-87 Tampering With Public Sewer Or Appurtenance](#)

[Sec 50-88 Building Sewer Connections: Applications: Fees](#)

[Sec 50-89 Cost And Expense To Be Borne By Occupant](#)

[Sec 50-90 Separate Sewer For Each Building: Exception](#)

[Sec 50-91 When Old Building Sewers May Be Used](#)

[Sec 50-92 Sewer Specifications: Joint Specifications](#)

[Sec 50-93 Connection Of Building Sewer With Public Sewer](#)

[Sec 50-94 Notification For Inspection](#)

[Sec 50-95 Excavations To Be Adequately Guarded](#)

**Sec 50-87 Tampering With Public Sewer Or Appurtenance**

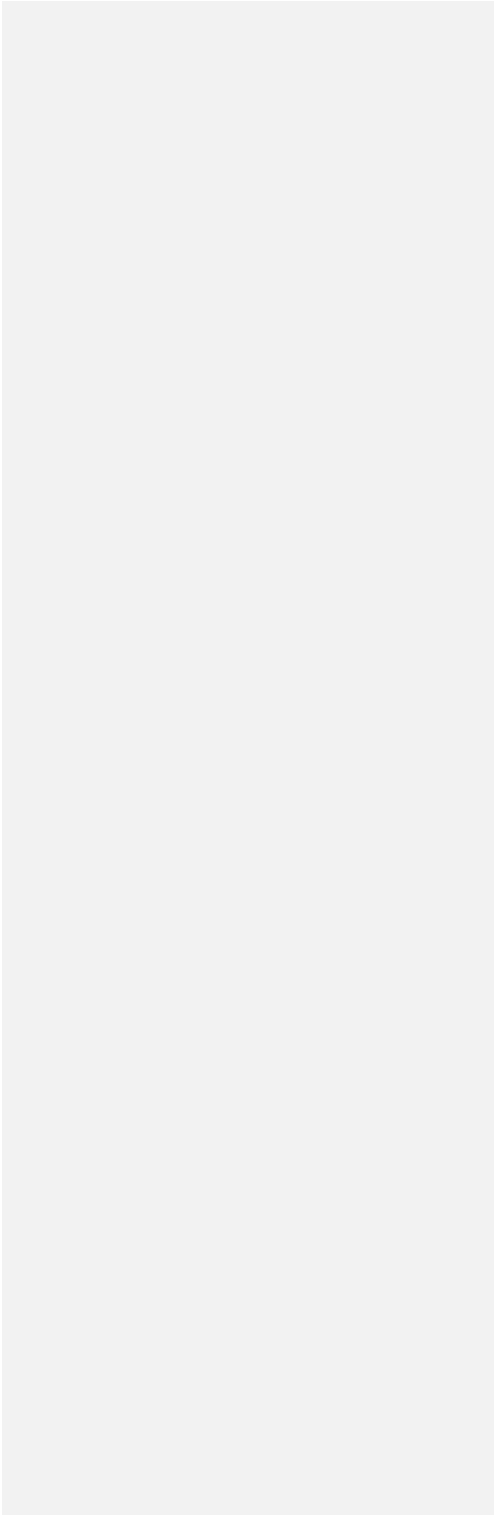
No unauthorized person shall uncover, make any connections with or opening into, use, alter or disturb any public sewer or appurtenance thereof without first obtaining a written permit from the wastewater superintendent.

(Ord. No. 2-01-1, § I(2-01-1.20), 2-13-2001)

**Sec 50-88 Building Sewer Connections: Applications: Fees**

- (a) There shall be two classes of building sewer permits:
- (1) For residential and commercial service; and
  - (2) For service to establishments producing industrial wastes.
- (b) In either case, the occupant or his agent shall make application on a special form furnished by the wastewater department, which the applicant shall supplement by any plans, specifications

and other information as are deemed necessary by the wastewater superintendent.



(c) A tap-in fee and impact fee according to the schedule of fees and penalties on file shall be paid at the time the application is filed.

(Ord. No. 2-01-1, § I(2-01-1.21), 2-13-2001)

**Sec 50-89 Cost And Expense To Be Borne By Occupant**

All costs and expense incident to the installation and connection of the building sewer shall be borne by the occupant. The occupant shall indemnify the city from any loss or damage that may directly or indirectly be occasioned by the installation of the building sewer.

(Ord. No. 2-01-1, § I(2-01-1.22), 2-13-2001)

**Sec 50-90 Separate Sewer For Each Building; Exception**

(a) A separate and independent building sewer shall be provided for each building that is designed to be occupied by people, even if it is within the property boundaries of an existing service. These buildings include, but are not limited to: ~~homes, schools, businesses of employment, Mobile Home Trailers,~~ apartments and churches. Buildings that do not require a separate service include, but are not limited to: barns, sheds, residential shops, residential animal housings and bunkhouses ~~including RV or camping Trailers~~ used exclusively for sleeping quarters ~~on the same lot and parcel which may not legally be divided from the main building.~~

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(b) Exception. Where one building stands at the rear of another on ~~an~~ ~~the same interior lot, which cannot be split,~~ and no private sewer is available or can be constructed to the rear building through an adjoining alley, court, yard or driveway, the building sewer from the front building may be extended to the rear building ~~through open areas and not underneath houses, building footings, foundations, floors, etc. and must be approved in advance by the Building Official or designee.~~

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(Ord. No. 2-01-1, § I(2-01-1.23), 2-13-2001)

**Sec 50-91 When Old Building Sewers May Be Used**

Old building sewers may be used in connection with new buildings only when they are found on examination and test by the building official to meet all the requirements of this chapter.

(Ord. No. 2-01-1, § I(2-01-1.24), 2-13-2001)

**Sec 50-92 Sewer Specifications; Joint Specifications**

(a) Sewer specifications.

(1) The building sewer shall be of ~~cast iron soil pipe, ASTM specification (A74-42) or equal; vitrified clay sewer pipe, ASTM specifications (C-700 extra strength or equal); SDR 35 or Schedule 40~~ PVC, or other suitable material approved by the building official and the state plumbing code. Joints shall be tight and waterproof. ~~Cast iron pipe with approved joints may be required by the building official where the building sewer is exposed to damage by tree roots. If installed in filled or unstable ground, the building official may require such particular materials and/or installation methods as may be deemed necessary.~~ Two sewer cleanouts facing each other shall be installed on the building sewer ~~immediately~~ ~~three (3)~~ feet outside the building structure. ~~The pipeline at the building exterior shall be inspected by the Wastewater Superintendent, or designee for approval.~~

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(2) The size and slope of the building sewer shall be subject to the approval of the building official, ~~or designee~~ but in no event shall the diameter be less than four inches, nor the slope of such pipe be less than one-eighth inch per foot.

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(3) No building sewer shall be laid parallel to within less than three feet of any bearing wall, which might thereby be weakened. The depth shall be sufficient to afford protection from



frost. The building sewer shall be laid at uniform grade and in straight alignment insofar as possible. Change in direction shall be made only with properly curved pipe and fittings.

(4) In all buildings in which any building drain is too low to permit gravity flow to the public sewer, sanitary sewage carried by such drain shall be lifted by approved artificial means and discharged to the building sewer. The responsibility of the installation, operation and maintenance, and all other liability involved with the operation of such device is the sole responsibility of the occupant. **The design must be submitted to the Wastewater Superintendent or designee for approval.**

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(5) All excavations required for the installation of a building sewer shall be open trench work unless otherwise approved by the building official **and/or Wastewater Superintendent or their designee.** Pipe laying and backfill shall be performed in accordance with ASTM specification (C12-72), except that no backfill shall be placed until the work has been inspected.

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**(6) In the event that the building sewer is in excess of 100 feet from the building to the property line, a downstream facing clean-out wye shall be installed at least every 100 feet of pipe length. An approved cleanout shall be installed on the owners property within five (5) feet of the property line and easement**

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(b) Joint specifications.

(1) All joints and connections shall be made watertight.

~~(2) All joints in vitrified clay pipe or between such pipe and metals shall be made with watertight "O" ring compression joints or with approved adapters.~~

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~~(3)~~ (2) Other jointing materials and methods may be used only by approval of the building official.

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(c) The standard specifications shall be the state plumbing code as adopted by the city council.

(Ord. No. 2-01-1, § I(2-01-1.25), 2-13-2001)

**Sec 50-93 Connection Of Building Sewer With Public Sewer**

The connection of the building sewer into the public sewer shall be at the property line when such interceptor is available to the occupant's property. Connection at the property line shall be made with a clean-out wye at the occupant's expense. If no interceptor is available to the property line or if the location of the interceptor is other than that desired by the occupant, the occupant shall, at his expense, install a connection to the public sewer at a location approved and as specified by the wastewater superintendent. Such connection shall be made by cutting a neat hole into the public sewer to receive the building sewer, with entry in the downstream direction at an angle of approximately 45 degrees. A 45-degree ell may be used to make such connections, with the spigot end cut so as not to extend past the inner surface of the public sewer. The invert of the building sewer at the point of connection shall be at the same or at a higher elevation than the invert of the public sewer. A smooth, neat joint shall be made, and the connection made secure and watertight. Special fittings may be used for the connection only when approved by the wastewater superintendent.

(Ord. No. 2-01-1, § I(2-01-1.26), 2-13-2001)

**Sec 50-94 Notification For Inspection**

The applicant for the building sewer connection shall notify the ~~building official~~ or the wastewater superintendent, **or designee** when the building sewer is ready for inspection and connection to the public sewer. The connection shall be made under the supervision of the ~~building official or the W~~ wastewater ~~S~~uperintendent **or designee.**

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(Ord. No. 2-01-1, § I(2-01-1.27), 2-13-2001)

**Sec 50-95 Excavations To Be Adequately Guarded**

All excavations for building sewer installations shall be adequately guarded with barricades and lights so as to protect the public from hazard. Streets, sidewalks, parkways and other public property disturbed in the course of the work shall be restored in a manner satisfactory to the city as determined by the city public works director.

(Ord. No. 2-01-1, § I(2-01-1.28), 2-13-2001)

**ARTICLE 50-V TREATMENT OF WASTE IN PUBLIC SEWERS**

[Sec 50-119 Interceptors To Be Provided When Necessary](#)

[Sec 50-120 Materials Used To Construct Interceptors](#)

[Sec 50-121 Interceptors To Be Maintained By Occupant](#)

[Sec 50-122 Procedure When Waste Is Emitted Into Public Sewer](#)

[Sec 50-123 Preliminary Treatment Facilities Maintained At Occupant's Expense](#)

[Sec 50-124 Installation Of Control Manhole](#)

[Sec 50-125 Test, Analysis, Etc. Of Water And Waste](#)

[Sec 50-126 Special Agreements Or Arrangements](#)

**Sec 50-119 Interceptors To Be Provided When Necessary**

Grease, oil, and sand interceptors shall be provided when, according to the state plumbing code and the building official, they are necessary for the proper handling of liquid wastes, containing grease in excessive amounts, or any flammable wastes, sand and other harmful ingredients; except that such interceptors shall not be required for private living quarters or dwelling units. Grease traps shall be required at all public premises where food is served, such as restaurants, cafeterias and boardinghouses. All interceptors shall be of a type and capacity approved by the building official and shall be located to be readily accessible for cleaning. All interceptors shall be readily accessible for inspection by the wastewater superintendent.

(Ord. No. 2-01-1, § I(2-01-1.30), 2-13-2001)

**Sec 50-120 Materials Used To Construct Interceptors**

Grease and oil interceptors shall be constructed of impervious materials capable of withstanding abrupt and extreme changes in temperature. They shall be of substantial construction, watertight and equipped with easily movable covers which, when bolted in place, shall be gastight and watertight.

(Ord. No. 2-01-1, § I(2-01-1.31), 2-13-2001)

**Sec 50-121 Interceptors To Be Maintained By Occupant**

Where installed, all grease, oil, and sand interceptors shall be maintained by the occupant, at his expense, in continuously efficient operation at all times. The wastewater superintendent shall inspect interceptors annually.

(Ord. No. 2-01-1, § I(2-01-1.32), 2-13-2001)

**Sec 50-122 Procedure When Waste Is Emitted Into Public Sewer**

(a) The admission into public sewers of any wastes or waters having the following content shall be subject to the review and approval of the wastewater superintendent:

- (1) A five-day biochemical oxygen demand greater than 250 parts per million by weight;

- (2) Containing more than 300 parts per million by weight of suspended solids;
  - (3) Containing any quantity of substances having the characteristics described heretofore in section 50-27 (1) to (9) inclusive; or
  - (4) Having an average daily flow greater than two percent of the average daily sewer flow of the city.
- (b) Where necessary in the opinion of the wastewater superintendent, the occupant shall provide, at his expense, such preliminary treatment as may be necessary to:
- (1) Reduce the biochemical oxygen demand to 250 parts per million and the suspended solids to 300 parts per million by weight;
  - (2) Reduce objectionable characteristics or constituents to within the maximum limits provided above in this section;
  - (3) Control the quantities and rates of discharge of such waters and wastes; or
  - (4) Comply with federal pretreatment requirements as per 40 CFR 403.
- (c) Plans, specifications and any other pertinent data relative to proposed preliminary treatment facilities shall be submitted for the approval of the wastewater superintendent and also to the appropriate state authority and no construction of such facilities shall be commenced until such approvals are obtained in writing.

(Ord. No. 2-01-1, § I(2-01-1.33), 2-13-2001)

**Sec 50-123 Preliminary Treatment Facilities Maintained At Occupant's Expense**

Where preliminary treatment facilities are provided for any waters or wastes, they shall be maintained continuously in satisfactory and effective operation, by the occupant at his expense.

(Ord. No. 2-01-1, § I(2-01-1.34), 2-13-2001)

**Sec 50-124 Installation Of Control Manhole**

When required by the wastewater superintendent, the occupant of any property served by a building sewer carrying industrial waste shall install a suitable control manhole in the building sewer to facilitate observation, sampling and measurement of the wastes. Such manhole, when required, shall be accessible and safely located and shall be constructed in accordance with plans approved by the wastewater superintendent. The manhole shall be installed by the occupant at his expense, and shall be maintained by him so as to be safe and accessible to the wastewater superintendent at all times.

(Ord. No. 2-01-1, § I(2-01-1.35), 2-13-2001)

**Sec 50-125 Test, Analysis, Etc. Of Water And Waste**

All measurement, test and analysis of the characteristics of water and wastes to which reference has been made in sections 50-122 and 50-124 shall be determined in accordance with "Standard Methods For Examination of Water and Sewage" as set forth by the state and be determined at the control manhole, provided in 50-124 or upon suitable samples taken at such control manhole. In the event that no special manhole has been required, the control manhole shall be considered to be the nearest downstream manhole in the public sewer to the point at which the building sewer is connected.

(Ord. No. 2-01-1, § I(2-01-1.36), 2-13-2001)

**Sec 50-126 Special Agreements Or Arrangements**

No statement contained in this chapter shall be construed as preventing any special agreement or arrangement between the city and any industrial concern whereby an industrial waste of unusual strength or character may be accepted by the city for treatment, subject to payment therefor by the industrial concern.

(Ord. No. 2-01-1, § I(2-01-1.37), 2-13-2001)

**ARTICLE 50-VI AUTHORITY OF INSPECTORS; VIOLATIONS**

[Sec 50-151 Officer Shall Be Permitted For Inspection Purposes](#)

[Sec 50-152 Notice Of Violation](#)

**Sec 50-151 Officer Shall Be Permitted For Inspection Purposes**

The wastewater superintendent and/or other duly authorized employees of the city bearing the proper credentials and identifications shall be permitted to enter upon all properties for the purposes of inspection, observation, measurement, sampling and testing, in accordance with the provisions of this chapter.

(Ord. No. 2-01-1, § I(2-01-1.40), 2-13-2001)

**Sec 50-152 Notice Of Violation**

Any person found to be violating any provision of this chapter shall be served by the city with written notice stating the nature of the violation and providing a reasonable time limit for the satisfactory correction thereof. The offender shall, within the period of time stated in such notice, permanently cease all violations.

(Ord. No. 2-01-1, § I(2-01-1.41), 2-13-2001)

**ARTICLE 50-VII RATES, CHARGES AND PAYMENTS**

[Sec 50-173 Tap-In Fees And Impact Fees](#)

[Sec 50-174 Rental For Sewer Services](#)

[Sec 50-175 When Not Subject To Charge](#)

[Sec 50-176 Sewer Fund](#)

[Sec 50-177 Sewer Rates Within The City.](#)

[Sec 50-178 Industrial Exemptions](#)

[Sec 50-179 Payment Of Sewer Charges](#)

[Sec 50-180 Beginning Of Rental](#)

[Sec 50-181 Penalty For Non-Payment Of Sewer Charges.](#)

[Sec 50-182 Collection Of Rentals By Treasurer](#)

[Sec 50-183 Industries Which Must Enter Into Special Agreements](#)

[Sec 50-184 Contracts With Others Outside City Limits](#)

**Sec 50-173 Tap-In Fees And Impact Fees**

- (a) At the time of application for building sewer connection there shall be collected from the applicant a sewer tap-in fee and sewer impact fee for each residence, business, or industry.
- (b) Sewer tap-in fees. A tap-in fee in the amount established by the schedule of fees and penalties shall be charged for each sewer connection. The tap-in-fee shall be levied for the purpose of defraying costs of reviewing, analyzing and changing, if necessary, the applicant's plans and/or specifications, and inspecting and mapping the installation. Said fees shall be deposited into the city's sewer fund as defined by section 50-176 and utilized for the purposes therein specified.

(c) Sewer impact fees. Impact fees shall be computed on the basis of equivalent residential units (ERUs). One ERU shall be defined as the average sewage flow capacity expected from a typical detached single-family dwelling. All uses other than single-family dwellings shall be expressed in fractions or multiples of one ERU. In no case shall a connection be classified as less than one ERU. An impact fee per ERU as established in the schedule of fees and penalties shall be charged to all new connections according to the following table. Said fees shall be deposited into the city's sewer fund as defined by section 50-176 and utilized for the renewal and replacement of sewer collection and treatment infrastructure. Locations which have both a building permit and sewer service available in the street serving the property prior to the enactment date of the ordinance from which this chapter is derived shall be exempt from paying the impact fee.

TABLE OF ERUs FOR TYPICAL USES

Use	ERUs
Single-family dwellings (one head of household)	1
Multiple-family dwellings, per family	1
Assembly halls, churches, auditoriums, and schools	
Per set of restrooms	1
Restaurant, other public businesses	
First 30 seats	1
Each additional 30 or fraction	1
Factories, industrial plants	
Per set of restrooms	1
Hospitals, nursing homes for each eight beds	1
Offices, retail merchants, shopping centers per 3,500 square feet	1
Plus per food service	1
Plus per laundry	1
Service stations without car wash	1
Car wash	Wastewater superintendent
Other uses	Wastewater superintendent

For uses not covered in the table or for extreme quantity or quality of effluent, appropriate ERU classification shall be determined by the wastewater superintendent, in accordance with accepted engineering criteria.

(d) In the event where the city installs new wastewater main lines, there shall be an appropriately determined construction fee assessed to each property that will be served, to cover the cost of installing wastewater main lines and appurtenances. To serve property which is not city-owned, the developer shall be responsible for the installation of main lines and appurtenances, including the sewer laterals, up to the property line of each lot to be served. Where a developer constructs, totally at his own expense, street sewers, lateral sewers, and appurtenances

thereto, all construction methods and materials used shall meet all city requirements and standards.

- (e) Payment of Sewer tap-in and impact fees. No building sewer connection shall be allowed without payment arrangements of tap-in fees and impact fees.

(Ord. No. 2-01-1, § I(2-01-1.43), 2-13-2001)

**Sec 50-174 Rental For Sewer Services**

It is hereby determined and declared to be necessary and conducive to the protection of the public health, safety, welfare and convenience of the city to levy and collect service charges or sewer rentals upon all occupied premises served by, having connection with, or having access to the sanitary sewerage system and the sewage treatment plant of the city; the proceeds of such charges or rentals so derived shall be for the operation, maintenance and replacement of the sanitary sewage system and treatment plant as hereinafter provided.

(Ord. No. 2-01-1, § I(2-01-1.44), 2-13-2001)

**Sec 50-175 When Not Subject To Charge**

- (a) Any water which is not polluted and does not find its way into the sanitary sewerage system shall not be subject to a sewer charge.
- (b) Monthly charges may be exempted by the wastewater superintendent on a case-by-case basis if the building is under construction and there is no water going down the sewer. The occupant or a representative must present the situation in person or in writing to the wastewater superintendent for approval on a case-by-case basis.

(Ord. No. 2-01-1, § I(2-01-1.45), 2-13-2001)

**Sec 50-176 Sewer Fund**

The funds received from the collection of sewer service rates and charges shall be deposited with the city treasurer and kept by him in a separate and distinct fund known as the city wastewater fund. This fund shall be used for the payment of the cost of the management, construction, maintenance, debt service, operation, design, improvement, and expansion of the sewerage system and sewage treatment plant.

(Ord. No. 2-01-1, § I(2-01-1.46), 2-13-2001)

**Sec 50-177 Sewer Rates Within The City**

- (a) There is hereby levied and assessed upon each occupied premises, having any sewer connection with or having access to the sanitary sewerage system of the city or otherwise discharging sewage or industrial wastes into the city sanitary sewerage system, a sewer service charge or rental, payable as hereinafter provided and in an amount determinable for all users of the city sanitary sewerage system, except as hereinafter provided. The rates shall be as established in the schedule of fees and penalties.
- (b) The rates and usage shall be reviewed periodically and adjusted if necessary to cover the cost of operating, maintaining and replacing the system.

(Ord. No. 2-01-1, § I(2-01-1.47), 2-13-2001)

**Sec 50-178 Industrial Exemptions**

In the event a lot, parcel of land, building or premises discharging sanitary sewage, industrial wastes, water or other liquids into the city's sewerage system, either directly or indirectly, is an industry and it can be shown, to the satisfaction of the wastewater superintendent, that a portion of the water, as measured by the water meter, does not and cannot enter the sewerage system, the wastewater superintendent may determine in such manner and by such method as he may find practicable, the percentage of metered water entering the sewerage system, and the classification used to determine the sewer charge or rental shall be that percentage, so determined, of the quantity of water measured by the water meter. This industrial waste water shall also be subject to sections 50-27 and 50-119 to 50-125.

(Ord. No. 2-01-1, § I(2-01-1.48), 2-13-2001)

**Sec 50-179 Payment Of Sewer Charges**

The sewer charge or rental provided in this chapter shall be payable monthly at the office of the city treasurer, upon statements rendered in the method, manner and form as may be provided by the city.

(Ord. No. 2-01-1, § I(2-01-1.49), 2-13-2001)

**Sec 50-180 Beginning Of Rental**

The sewer charge or rental shall be levied upon the first date that sanitary sewer service is connected to the occupied property except as exempted in section 50-175.

(Ord. No. 2-01-1, § I(2-01-1.50), 2-13-2001)

**Sec 50-181 Penalty For Non-Payment Of Sewer Charges**

The non-payment of each charge or rental levied by or pursuant to this chapter is subject to a penalty of water disconnection as defined in the state building code adopted by the city, except that there shall be no monetary penalty charged on sewer services. For locations outside the city, or for locations which do not have city water service, the non-payment of sewer charges shall result in disconnection of sewer services, or court action, or both. The customer shall be liable for all costs associated with the collection of sewer charges, including court costs.

(Ord. No. 2-01-1, § I(2-01-1.51), 2-13-2001)

**Sec 50-182 Collection Of Rentals By Treasurer**

The sewer charges or rentals charged pursuant to this chapter shall be collected by the treasurer, and the wastewater superintendent shall enforce such bylaws and regulations as may be deemed necessary for the safe, economical and efficient management and protection of the city's sewer system, pumping stations, sewage treatment works, and connections to the sewer system, and for the regulation, collection, rebating and refunding of such charges and rentals, and such bylaws and regulations shall have the effect of ordinances.

(Ord. No. 2-01-1, § I(2-01-1.52), 2-13-2001)

**Sec 50-183 Industries Which Must Enter Into Special Agreements**

- (a) An exception to the rates set forth in section 50-177 shall be taken in special cases where industrial customers discharge an effluent of such character and strength into the city sanitary sewers which causes special problems and increased cost in sewage treatment. Included in this

class, but not limited to, are: cattle, swine and poultry processing, acid plants, canning plants and other processing plants, plating, anodizing, cool processing and manufacturing plants and the like.

- (b) Such industrial customers and the city shall negotiate and enter into an agreement as to the rate to be charged such industrial customers for the treatment of their wastes. In the event that no agreement can be reached as to the rate, upon written notice from the city, such industries shall be required to provide their own waste treatment facilities in accordance with requirements of the appropriate state authority. Plans shall be approved prior to construction by the appropriate state authority.
- (c) All industries and entities subject to the Federal Industrial Cost Recovery Act shall enter into an agreement with the city in accordance with U.S. EPA regulations.

(Ord. No. 2-01-1, § I(2-01-1.53), 2-13-2001)

#### **Sec 50-184 Contracts With Others Outside City Limits**

The city may enter into agreements to be ratified and confirmed by the city council, with cities, towns, corporations, and individuals whose premises are located without the corporate limits of the city who desire to discharge sewage, industrial wastes, water or other liquids into the city's sewerage system; which agreement shall fix the rates, terms, and conditions under which such sewage, industrial wastes, water or other liquids may be discharged into such sewerage system and shall be in conformity with the other sections of this chapter.

(Ord. No. 2-01-1, § I(2-01-1.54), 2-13-2001)

#### **ARTICLE 50-VIII MISCELLANEOUS**

[Sec 50-207 Tampering With Equipment Prohibited](#)

[Sec 50-208 Records To Be Kept By City](#)

[Sec 50-209 City Responsibilities And Liabilities](#)

[Sec 50-210 Ownership](#)

[Sec 50-211 Consumer's Responsibilities](#)

[Sec 50-212 Implied Service Agreement](#)

#### **Sec 50-207 Tampering With Equipment Prohibited**

No person shall maliciously, willfully or negligently break, damage, destroy, uncover, deface or tamper with any structure, appurtenance or equipment which is a part of the municipal sewage works.

(Ord. No. 2-01-1, § I(2-01-1.55), 2-13-2001)

#### **Sec 50-208 Records To Be Kept By City**

The city shall keep a record of all building connections made, the purpose for which they are to be used, together with the name of the owner and occupant of the property, his agent or representative.

(Ord. No. 2-01-1, § I(2-01-1.56), 2-13-2001)

#### **Sec 50-209 City Responsibilities And Liabilities**

- (a) The city shall not be responsible for the installation, maintenance or inspection of the consumer's service line piping apparatus or for any defects therein.
- (b) The city shall have the right to refuse service unless the consumer's lines or piping are installed in such manner as to prevent cross connections or backflow.



- (c) Under normal conditions, the consumer shall be notified of any anticipated interruption of service.
- (d) The city shall not be responsible for the negligence of third persons or forces beyond the control of the city resulting in any interruption of services or damage to the property of the consumer.
- (e) The city may refuse service to any prospective consumer when the capacity of the sewer system will not permit additional loads being placed thereon.
- (f) The sewer department may discontinue its service without notice for the following reasons:
  - (1) To prevent fraud or abuse.
  - (2) The consumer's willful disregard of or refusal to comply with this chapter or other rules as may be adopted by the city.

(Ord. No. 2-01-1, § I(2-01-1.57), 2-13-2001)

**Sec 50-210 Ownership**

The city shall have exclusive control of connections to the main sewer lines, and, upon completion, the main lines shall become and be the property of the city. Except as otherwise herein provided, all provisions of the city Code and ordinances or amendments thereto applicable to sewer services including all charges therefor shall apply to services in the proposed area.

(Ord. No. 2-01-1, § I(2-01-1.58), 2-13-2001)

**Sec 50-211 Consumer's Responsibilities**

(a) ~~The consumer's house or building service line, sewer connection and apparatus shall be installed and maintained by the consumer, including maintenance of the sewer lateral from the property line to the sewer main line in the street, at the consumer's expense, in a safe and efficient manner and in accordance with the city's rules and regulations and in full compliance with the regulations of the applicable state authority. The property owner shall be responsible for the cleaning, repair, and replacement of sewers and connections to the public sewer line, except when the cleaning, repair or replacement requires excavation of a public street, public right-of-way (e.g. a public alleyway) or sidewalk. If the cleaning, repair or replacement of the sewer connection requires excavation of a public street, public right-of-way or sidewalk, the City shall undertake such cleaning, repair or replacement at no cost to the property owner.~~

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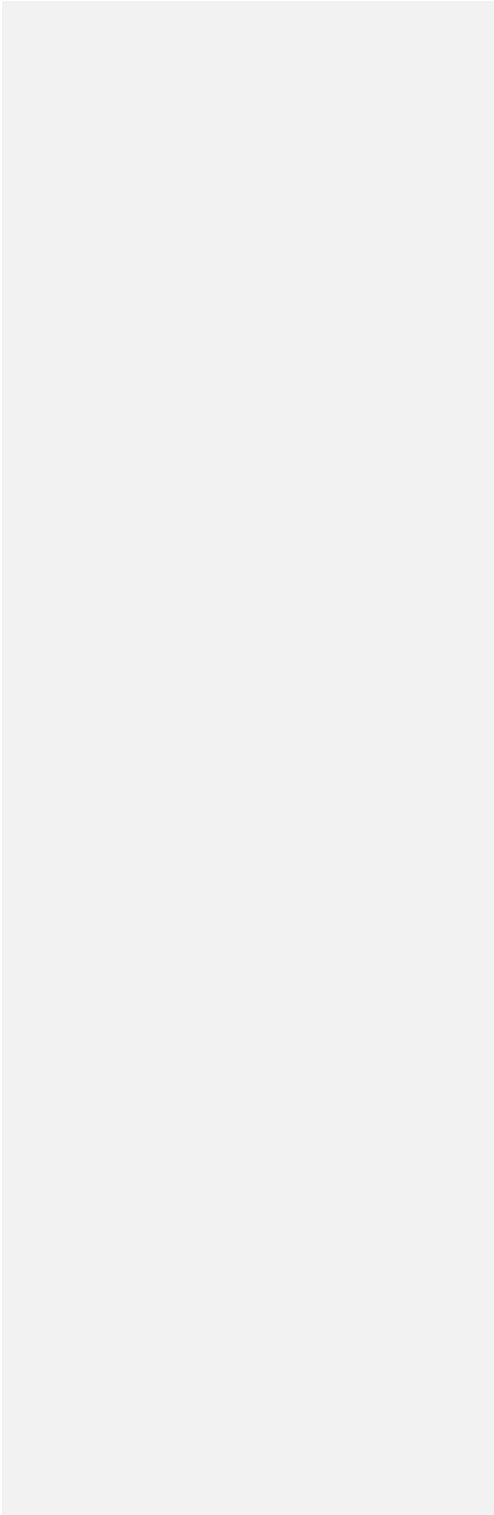
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- (b) The consumer shall safeguard the city's property placed on the consumer's premises and shall permit access to it only by the authorized representatives of the city.
- (c) In the event that any loss or damage to the property of the sewer department or any accident or injury to persons or property is caused by or results from the negligence or wrongful act of the consumer, his agents or employees, the cost of necessary repairs or replacements shall be paid by the consumer to the sewer department and any liability otherwise resulting shall be assumed by the consumer. The amount of such loss or damage or the cost of repairs may be added to the consumer's bill and, if not paid, service may be discontinued by the sewer department.
- (d) When service to a consumer shall require the laying of any city sewer lines or the installation of any other city property on, under, across or over the consumer's property, the consumer will grant to the city an easement, right-of-way, or license for such installation.
- (e) It is unlawful for any person having a permit to dig up any portion of any street or alley of the city for the purpose of connecting with the sewer system of the city and fail or neglect to place the street or alley in its original condition under the supervision of the city and as required by it.
- (f) Within 15 days from the date of transfer of occupancy, the customer shall deliver written notification to the city of any such change in occupancy of the real property.

(Ord. No. 2-01-1, § I(2-01-1.59), 2-13-2001)



**Sec 50-212 Implied Service Agreement**

In the absence of a signed service agreement, the rental for wastewater service by the city and the acceptance thereof by the customer shall be deemed to constitute an agreement by and between the city and the customer for rental and acceptance of wastewater service under the terms and conditions contained in this chapter and the applicable rate schedule.

(Ord. No. 2-01-1, § 1(2-01-1.60), 2-13-2001)

## Hildale - Colorado City Rate Analysis

### Proposed Alternatives

3/13/2024

### Background:

#### Budget:

The attached budget is based on the current water system budget with the future year estimates in grey cells increasing based on an inflation factor of 3.5%. The budget has been reviewed by system staff. Several points to notice are:

#### Expenses:

- Equipment Supplies and Maintenance costs increase in base year from previous years (\$3,000 to \$50,000)
- Maintenance & Supply – System costs increase in base year from previous years (\$90,043 to \$177,700)
- Power costs increase in base year from previous years (\$135,000 to \$200,000)
- Laboratory costs are increasing due to additional sampling needs.
- System construction services expenses are increasing due to planned projects over the next 5 years.
- Reserves to be discussed in the next section.

#### Revenue:

- Sales Revenue is calculated off actual usage data, will vary based on proposals. Current revenue under existing rates and usage - \$955,016
- Additional revenue from new connections based on system growth.
- Interest income increased in base year from previous years (\$4,174 to \$22,000)
  - Increasing interest from PTIF rates

#### Affordability

- Based on Median Household Income (MHI) of \$62,857 (2020 Census for Hildale)
  - Please note, MHI for Colorado City in 2020 Census is \$41,250

#### Reserves:

- Existing Reserves
  - Total existing reserves available based on Water Fund Balance Sheet June 30, 2023
    - \$1,167,138 in 81-11900 Cash-Combined Fund, less the \$204,098 in 81-21350 Customer Deposits

Existing Reserves	Amount			
Debt Reserve	\$0	As per lending agreement(s)		
Operating Reserve	\$174,360	Often in Checking Account		
Emergency Reserve	\$20,000	Often in Savings Account		
Capital Reserve	\$768,680	Mostly in CDs or other investments		
Total	\$963,040			

- Debt Reserve is determined by WIFA Loan agreement.
  - A reserve equal to one annual loan payment (\$14,758)
  - Planning to build reserve over three-year window, no funds current allocated for this reserve.
- Operating Reserve
  - 1.5 times the expenses during a billing cycle
  - Assuming that of the available funds for reserves, the total amount required of \$174,360 can be internally restricted to cover this amount.
- Emergency Reserve
  - Often the critical equipment replacement cost.
  - In consultation with system staff, a target of \$20,000 was identified. It is assumed that \$20,000 of the existing available reserves can be internally restricted to cover this amount.
- Capital Reserve
  - Funds available to replace current system assets, or purchase future assets
  - Two options to consider for funds available for capital reserves. Option 1 would have the total amount available, \$768,680, go towards replacement of existing capital assets. Option 2 would allocate \$300,000 of the existing reserves towards future capital assets, leaving \$468,680 for replacement of existing assets.
- Replacement of Existing Capital Assets
  - Calculates replacement costs of current system assets and determined annual reserve requirements
    - Existing Reserves Column
      - Withdrawal of existing reserves available.
    - Annual Reserve Required Column
      - Annual contributions to reserve to cover cash replacement of asset at end of remaining life.
- Replacement of Funded Capital Assets
  - Replacement cost calculation for assets currently being constructed, funded by Mohave County ARPA Project
    - Fencing, raw water transmission line, 2 new wells.
- Reserves for Additional Capital Assets
  - Multiple projects identified in master plan.

- Some projects are combined in individual lines due to limitations of the rate model, but all costs and projects are accounted for.
- Reviewed by system staff for planned project dates and estimated project costs.
- The model calculates planned system contribution at time of planned project, divided by number of years to save. Calculation incorporates interest earned on reserves as well.
  - Two scenarios will be considered in the next section.
- Total future cost of planned projects totals \$31,301,101.
  - 2% to 10% of each project is expected to be paid as a system cash contribution.
- **\*Please note that the amount saved for additional capital assets has changed since the original projections as the change from CY2023 to CY2024 resulted in calculation errors in the rate model\***

Sales:

- Model uses 12 months of water use data from the system
- Using system data input customers by class and meter size
- Used to calculate base rate and sales revenue
- Review of usage data to impact proposed tiers

**Internal Allocation of Existing Capital Reserves**

- With the number of planned projects, RCAC assessed the impact on budget scenarios with some of the existing reserves available for capital replacement to be allocated towards future additional capital purchases. Scenario 1 below shows current projections with all available reserves dedicated to replacement of current assets. Scenario 2 has \$300,000 allocated to the initial purchase costs of planned additional capital assets, with the remaining \$468,680 allocated to replacement of current assets.
- Scenario 1 – All available reserves allocated to replacement of current assets.

Results of the new rates	2024	2025	2026	2027	2028	5 Years
TOTAL EXPENSES	\$1,903,198	\$1,842,707	\$1,978,020	\$1,801,712	\$1,932,541	\$9,458,179
TOTAL REVENUE	\$1,098,305	\$1,129,748	\$1,177,372	\$1,257,188	\$1,273,192	\$5,935,805
NET LOSS OR GAIN: (Short/Over to Reserves)	-\$804,893	-\$712,959	-\$800,648	-\$544,524	-\$659,349	-\$3,522,374
NET CASH FLOW (Contribution to Reserves)	-\$451,261	-\$502,278	-\$613,544	-\$374,812	-\$506,870	-\$2,448,766
Affordability assuming MHI of \$62857 for residential meters.	1.15%	1.17%	1.18%	1.19%	1.21%	
Are you putting enough money in reserves?	No	No	No	No	No	
Positive Annual Cash Flow?	No	No	No	No	No	

- Scenario 2 - \$300,000 of available reserves allocated to planned additional capital assets.

Results of the new rates	2024	2025	2026	2027	2028	5 Years
TOTAL EXPENSES	\$1,833,173	\$1,835,846	\$1,978,571	\$1,786,673	\$1,925,447	\$9,359,710
TOTAL REVENUE	\$1,098,305	\$1,129,748	\$1,177,372	\$1,257,188	\$1,273,192	\$5,935,805
NET LOSS OR GAIN: (Short/Over to Reserves)	-\$734,868	-\$706,098	-\$801,199	-\$529,484	-\$652,256	-\$3,423,905
NET CASH FLOW (Contribution to Reserves)	-\$451,261	-\$502,278	-\$613,544	-\$374,812	-\$506,870	-\$2,448,766
Affordability assuming MHI of \$62857 for residential meters.	1.15%	1.17%	1.18%	1.19%	1.21%	
Are you putting enough money in reserves?	No	No	No	No	No	
Positive Annual Cash Flow?	No	No	No	No	No	

- By allocating existing reserves towards planned additional capital purchases, overall system expenses across the 5-year period are reduced by approximately \$100,000. The overall expenses decrease with the allocation due to the timelines of new asset purchases compared to replacement of existing assets.
- The planned additional assets are all scheduled within the next 20 years, with most planned for the next 5 years. The planned dates for replacement of existing assets vary, but many of the assets will not be replaced in the next five years. Of the 60 capital assets included in the replacement schedule, only 14 are scheduled to be replaced in the next five years. These existing assets generally have a lower expected cost compared to the new purchases as well.
- **It is recommended the HCC Utility Department internally restrict \$300,000 of existing capital reserves for the purchase of additional capital assets. This will reduce overall system costs over the next five years, help stabilize system expenses, and reduce the overall burden on rate payers.**
  - For the following rate suggestions, RCAC has allocated \$300,000 towards the purchase of planned capital assets.

#### Current Status:

- Given the many capital projects planned, HCC Utility is not currently bringing in adequate revenue and will need to draw down reserves rapidly to cover anticipated costs that will occur in the next 5 years.
- In order to cover O&M expenses, as well as general and administrative expenses, the system needs to generate an average of \$1,679,866 in annual revenue. Currently, the system brings in approximately \$1,082,305 in revenue (including earned interest, penalties, and new connection revenue).
- If the utility is to cover system contributions to the capital replacement reserve and save for future capital additions, then system expenses will increase to \$1,833,173 in the first year (with average annual expenses of \$1,871,942 over the next five years).
- Under current conditions, HCC will be drawing on reserves to cover system operating and administrative expenses, potentially eliminating reserves in the next two to three years.
- **It is recommended that Hildale-Colorado City Utility increase rates and review the existing rate structure to generate revenue to cover all system expenses.**

#### Calculating Theoretical Base Rate:

Ideally, base rates charged to customers should be adequate to cover fixed costs in a water system. These base rates should be based on meter size, as larger meters have the capacity to put a greater demand on the system, and the system has certain fixed costs in order to be able to meet this demand. This allows us to determine base rates for all meters that would cover these fixed costs.

Meter Size in "	Decimal Size	Number of Meters	AWWA Safe Maximum Operating Cap. (GPM)	Max Demand (GPM)	% of Max Demand by Meter Size	Total Fixed Costs Allocated by Meter Size	Theoretical Base Rate by Meter Size per M
A	B	C	D	E= D * C	F= % of total	G= % * total	H=G/C/12
5/8"	0.625	0	20				
3/4"	0.750	845	30	25,350	59.38%	\$986,968	\$97.33
1"	1.000	118	50	5,900	13.82%	\$229,709	\$162.22
1.5"	1.500	28	100	2,800	6.56%	\$109,014	\$324.45
2"	2.000	34	160	5,440	12.74%	\$211,799	\$519.12
3"	3.000	10	320	3,200	7.50%	\$124,588	\$1,038.23
Total		1035		42,690	100.00%	\$1,662,078	

## Notes:

1. Safe maximum meter capacity for 5/8" through 2" meters (column D) based on AWWA C700 displacement meters.
2. Safe maximum meter capacity for 3" through 8" meters based on AWWA C702 compound meters.
3. Safe maximum meter capacity for 10" meter based on AWWA C704 propeller type meter.

**Alternative 1 – Maintain current rate structure, increase base rate only.**

In this scenario, we look at increasing the base rate for all customers, based on a percentage of the theoretical base rates seen above. To balance the 5-year budget with a one-time rate increase, the new base rates would need to be raised to 73% of the theoretical base rates. The new rates can be seen in the table below.

Customer Class	Rate Structure	Base Rate	Usage Rates
¾" Meter	Tiered Block	\$71.00	0 – 20,000 - \$1.20/1,000 20,001-60,000 - \$1.50/1,000 60,001+ - \$1.80/1,000
1" Meter	Tiered Block	\$118.50	0 – 38,000 - \$1.20/1,000 38,001-115,000 - \$1.50/1,000 115,001+ - \$1.80/1,000
1.5" Meter	Tiered Block	\$237.00	0 – 56,000 - \$1.20/1,000 56,001-169,000 - \$1.50/1,000 169,001+ - \$1.80/1,000
2" Meter	Tiered Block	\$379.00	0 – 75,000 - \$1.20/1,000 75,001-224,000 - \$1.50/1,000 224,001+ - \$1.80/1,000
Hydrant Meter	Tiered Block	\$110.00	Any amount - \$5.00/1,000



In this scenario, all customers see a base rate increase, the current customer classes are maintained, and all customers pay an equitable base rate according to the theoretical base rate. This scenario would bring in adequate revenue over a five-year period. While reserve targets are not fully met in the first three years, the additional net gain in 2027 and 2028 balances the system’s five-year budget.

Results of the new rates	2024	2025	2026	2027	2028	5 Years
TOTAL EXPENSES	\$1,833,173	\$1,835,846	\$1,978,571	\$1,786,673	\$1,925,447	\$9,359,710
TOTAL REVENUE	\$1,783,757	\$1,815,200	\$1,862,824	\$1,942,641	\$1,958,644	\$9,363,067
NET LOSS OR GAIN: (Short/Over to Reserves)	-\$49,416	-\$20,646	-\$115,747	\$155,968	\$33,197	\$3,356
NET CASH FLOW (Contribution to Reserves)	\$234,191	\$183,174	\$71,908	\$310,640	\$178,582	\$978,496
Affordability assuming MHI of \$62857 for residential meters.	1.97%	1.98%	1.99%	2.01%	2.02%	
Are you putting enough money in reserves?	No	No	No	Yes	Yes	
Positive Annual Cash Flow?	Yes	Yes	Yes	Yes	Yes	

Average customer bills under scenario 1

Average Bill Every M by Meter Size										
Meter Size	Count	Meter Size	Current	Year 1	Year 2	Year 3	Year 4	Year 5		
0.750	845	3/4"	\$59.10	\$102.28	\$102.97	\$103.66	\$104.34	\$105.03		
1.000	118	1"	\$103.25	\$168.84	\$169.93	\$171.02	\$172.12	\$173.22		
1.500	28	1.5"	\$144.00	\$302.43	\$303.87	\$305.31	\$306.76	\$308.22		
2.000	34	2"	\$244.85	\$521.86	\$524.87	\$527.88	\$530.90	\$533.92		

This scenario results in a substantial increase for all customers but would cover current and planned systems expenses.

**Alternative 2 – One-time increase of base rate, usage rates, and usage tiers**

In this alternative, the usage tiers have been adjusted based on actual residential customer usage. A review of customer usage in winter months and summer months was conducted. It was found that residential customers use an average of 13,911 gallons per month in the winter months (December, January, and February). Additionally, these same residential customers use an average of 37,270 gallons per month in the summer months (June, July, and August).

As the cost to produce water does not change depending on the customer’s meter size, the scenario applies the same usage tiers to every customer. Additionally, the usage rates are increased in each tier by \$0.30 per thousand gallons.

With the changes to usage tiers and rates, the base rate has not increased as greatly.

Customer Class	Rate Structure	Base Rate	Usage Rates
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¾" Meter	Tiered Block	\$62.50	0 – 14,000 - \$1.50/1,000 14,001-38,000 - \$1.80/1,000 38,001+ - \$2.10/1,000
1" Meter	Tiered Block	\$104.00	0 – 14,000 - \$1.50/1,000 14,001-38,000 - \$1.80/1,000 38,001+ - \$2.10/1,000
1.5" Meter	Tiered Block	\$207.50	0 – 14,000 - \$1.50/1,000 14,001-38,000 - \$1.80/1,000 38,001+ - \$2.10/1,000
2" Meter	Tiered Block	\$332.00	0 – 14,000 - \$1.50/1,000 14,001-38,000 - \$1.80/1,000 38,001+ - \$2.10/1,000
Hydrant Meter	Tiered Block	\$110.00	Any amount - \$5.00/1,000

In this scenario, all customers see a base rate increase, the current customer classes are maintained, and all customers pay an equitable base rate according to the theoretical base rate. This scenario would bring in adequate revenue over a five-year period. While reserve targets are not fully met in the first three years, the additional net gain in 2027 and 2028 balances the system’s five-year budget.

With an increase in usage rates, it is expected that customers will work to conserve water. This is reflected in a conservation factor, assuming that customers will reduce water use by 1.5% to 3% as they adapt to the rate increase.

Results of the new rates	2024	2025	2026	2027	2028	5 Years
TOTAL EXPENSES	\$1,833,173	\$1,835,846	\$1,978,571	\$1,786,673	\$1,925,447	\$9,359,710
TOTAL REVENUE	\$1,780,082	\$1,803,993	\$1,864,413	\$1,953,636	\$1,975,672	\$9,377,796
NET LOSS OR GAIN: (Short/Over to Reserves)	-\$53,092	-\$31,854	-\$114,158	\$166,963	\$50,225	\$18,085
NET CASH FLOW (Contribution to Reserves)	\$230,515	\$171,967	\$73,498	\$321,635	\$195,610	\$993,225
Affordability assuming MHI of \$62857 for residential meters.	1.96%	1.97%	1.99%	2.02%	2.04%	
Are you putting enough money in reserves?	No	No	No	Yes	Yes	
Positive Annual Cash Flow?	Yes	Yes	Yes	Yes	Yes	

Average Customer Bills under Scenario 2

Average Bill Every M by Meter Size								
Meter Size	Count	Meter Size	Current	Year 1	Year 2	Year 3	Year 4	Year 5
0.750	845	¾"	\$59.10	\$101.84	\$102.05	\$103.53	\$104.81	\$105.87
1.000	118	1"	\$103.25	\$170.44	\$170.79	\$173.27	\$175.41	\$177.19
1.500	28	1.5"	\$144.00	\$300.39	\$300.87	\$304.29	\$307.22	\$309.66
2.000	34	2"	\$244.85	\$521.47	\$522.44	\$529.21	\$535.02	\$539.86

This scenario results in a substantial increase for all customers but would cover current and planned systems expenses. Additionally, by tightening up usage tiers and increasing usage rates, the system will

likely see reductions in demand for water from customers. Additionally, the shift towards more reliance on revenue from water sales compared to base rate gives customers more control over their bills, though puts the utility at a greater risk as the more reliable revenue from base rates may not be sufficient if customers significantly decrease water usage.

### Alternative 3 – Phased increase of base rate and usage rate increases, existing tiers

In this scenario, we consider a smaller initial increase to base rates and usage rates, using existing usage tiers. This will be followed by annual increases over the five-year period to balance the budget. The initial base rate increases are listed in the table below. The annual growth rates of base and usage rates can be seen below the table.

Customer Class	Rate Structure	Base Rate	Usage Rates
¾" Meter	Tiered Block	\$38.50	0 – 20,000 - \$1.50/1,000 20,001-60,000 - \$1.80/1,000 60,001+ - \$2.10/1,000
1" Meter	Tiered Block	\$64.00	0 – 38,000 - \$1.50/1,000 38,001-115,000 - \$1.80/1,000 115,001+ - \$2.10/1,000
1.5" Meter	Tiered Block	\$128.50	0 – 56,000 - \$1.50/1,000 56,001-169,000 - \$1.80/1,000 169,001+ - \$2.10/1,000
2" Meter	Tiered Block	\$205.50	0 – 75,000 - \$1.50/1,000 75,001-224,000 - \$1.80/1,000 224,001+ - \$2.10/1,000
Hydrant Meter	Tiered Block	\$110.00	Any amount - \$5.00/1,000

Growth Factor of Rates		Year 2	Year 3	Year 4	Year 5
	Base	25.00%	20.00%	15.00%	10.00%
	Usage	10.00%	10.00%	7.50%	5.00%

This scenario, while resulting in a more modest increase in rates in the first year, ultimately results in higher rates for customers by the final year of the five-year period. To make up for the demand for existing reserves in the first two years, rates need to be increased substantially to cover this loss. The results of the new rates and average bills are below.

Please note that after a review and update of the rate model to account for the missing calculation of several planned future projects, alternative 3 will not bring in enough revenue to cover the revised expenses from future capital projects. The updated projection can be seen in the table below.

Growth Factor of Rates		Year 2	Year 3	Year 4	Year 5		
	Base	25.00%	20.00%	15.00%	10.00%		
	Usage	10.00%	10.00%	7.50%	5.00%		
<b>Results of the new rates</b>		<b>2024</b>	<b>2025</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>	<b>5 Years</b>
	TOTAL EXPENSES	\$1,790,316	\$1,827,096	\$1,980,889	\$1,880,722	\$2,067,892	\$9,546,914
	TOTAL REVENUE	\$1,360,760	\$1,599,371	\$1,884,166	\$2,174,082	\$2,349,805	\$9,368,183
	NET LOSS OR GAIN: (Short/Over to Reserves)	-\$429,555	-\$227,725	-\$96,723	\$293,360	\$281,913	-\$178,731
	NET CASH FLOW (Contribution to Reserves)	-\$188,806	-\$34,052	\$91,853	\$438,238	\$414,508	\$721,741
	Affordability assuming MHI of \$62857 for residential meters.	1.46%	1.73%	2.02%	2.29%	2.49%	
	Are you putting enough money in reserves?	No	No	No	Yes	Yes	
	Positive Annual Cash Flow?	No	No	Yes	Yes	Yes	

Average Bill Every M by Meter Size								
Meter Size	Count	Meter Size	Current	Year 1	Year 2	Year 3	Year 4	Year 5
0.750	845	3/4"	\$59.10	\$75.88	\$89.46	\$104.95	\$118.75	\$129.41
1.000	118	1"	\$103.25	\$124.15	\$146.53	\$171.93	\$194.58	\$212.07
1.500	28	1.5"	\$144.00	\$207.26	\$247.73	\$292.22	\$331.97	\$362.64
2.000	34	2"	\$244.85	\$374.19	\$443.42	\$521.01	\$590.17	\$643.51

### Alternative 3.1 – Phased increase of base rate and usage rate increases, existing tiers (JP Proposal 1)

In this scenario, we consider a smaller initial increase to base rates along with changes to usage tiers and rates, including to hydrant meters. This will be followed by annual increases over the five-year period to balance the budget. The initial base rate increases are listed in the table below. The annual growth rates of base and usage rates can be seen below the table.

Customer Class	Rate Structure	Base Rate	Usage Rates
¾" Meter	Tiered Block	\$38.50	0 – 10,000 - \$1.75/1,000 10,001-30,000 - \$1.90/1,000 30,001+ - \$2.50/1,000
1" Meter	Tiered Block	\$64.00	0 – 10,000 - \$1.75/1,000 10,001-30,000 - \$1.90/1,000 30,001+ - \$2.50/1,000
1.5" Meter	Tiered Block	\$128.50	0 – 30,000 - \$2.50/1,000 30,001-80,000 - \$2.80/1,000 80,001+ - \$3.10/1,000
2" Meter	Tiered Block	\$205.50	0 – 35,000 - \$2.50/1,000 35,001 – 90,000 - \$2.80/1,000 90,001-200,000 - \$3.50/1,000 200,001+ - \$4.50/1,000
Hydrant Meter	Tiered Block	\$150.00	Any amount - \$10.00/1,000

Growth Factor of Rates		Year 2	Year 3	Year 4	Year 5
	Base	15.00%	5.00%	2.00%	2.00%
	Usage	10.00%	5.00%	2.00%	2.00%

This scenario combines a more modest first year base rate increase, along with adjustments to tiers and usage rates. After the initial increases, smaller increases are needed in years 2 and 3 to bring in enough revenue. A 2% annual increase is included in later years to help rates maintain pace with inflation. The results of the new rates and average bills are below.

Growth Factor of Rates		Year 2	Year 3	Year 4	Year 5
	Base	15.00%	5.00%	2.00%	2.00%
	Usage	10.00%	5.00%	2.00%	2.00%

Results of the new rates		2024	2025	2026	2027	2028	5 Years
	TOTAL EXPENSES	\$1,790,316	\$1,827,096	\$1,980,889	\$1,880,722	\$2,067,892	\$9,546,914
	TOTAL REVENUE	\$1,594,343	\$1,795,937	\$1,950,394	\$2,085,999	\$2,154,398	\$9,581,072
	NET LOSS OR GAIN: (Short/Over to Reserves)	-\$195,972	-\$31,158	-\$30,495	\$205,277	\$86,505	\$34,157
	NET CASH FLOW (Contribution to Reserves)	\$44,777	\$162,515	\$158,082	\$350,155	\$219,101	\$934,630
	Affordability assuming MHI of \$62857 for residential meters.	1.62%	1.83%	1.96%	2.03%	2.10%	
	Are you putting enough money in reserves?	No	No	No	Yes	Yes	
	Positive Annual Cash Flow?	Yes	Yes	Yes	Yes	Yes	

Average Bill Every M by Meter Size								
Meter Size	Count	Meter Size	Current	Year 1	Year 2	Year 3	Year 4	Year 5
0.750	845	3/4"	\$59.10	\$84.01	\$94.61	\$101.37	\$105.18	\$108.80
1.000	118	1"	\$103.25	\$141.69	\$159.52	\$170.91	\$177.31	\$183.40
1.500	28	1.5"	\$144.00	\$261.32	\$294.65	\$315.08	\$326.38	\$337.16
2.000	34	2"	\$244.85	\$537.12	\$603.11	\$648.01	\$673.89	\$698.38

**Alternative 3.2 – Phased increase of base rate and usage rate increases, existing tiers (JP Proposal 2)**

In this scenario, we consider a smaller initial increase to base rates along with changes to usage tiers and rates, including to hydrant meters. Please note, this scenario recommends including a \$200 deposit with the hydrant meters, however incorporation of these deposits is not possible in the rate model as part of the rates, assuming they are refundable. This could be calculated separately and added to the budget if desired. This will be followed by annual increases over the five-year period to balance the budget. The initial base rate increases are listed in the table below. The annual growth rates of base and usage rates can be seen below the table.

Customer Class	Rate Structure	Base Rate	Usage Rates
¾" Meter	Tiered Block	\$38.50	0 – 15,000 - \$1.50/1,000
			15,001-30,000 - \$1.85/1,000
			30,001-50,000 - \$2.00/1,000
			50,001+ - \$2.75/1,000
1" Meter	Tiered Block	\$64.00	0 – 10,000 - \$1.50/1,000
			10,001-45,000 - \$2.00/1,000

			45,001-100,000 - \$2.75/1,000 100,001+ - \$3.50/1,000
1.5" Meter	Tiered Block	\$128.50	0 – 35,000 - \$1.50/1,000 35,001-55,000 - \$2.00/1,000 55,001-125,000 - \$2.75/1,000 125,001+ - \$3.50/1,000
2" Meter	Tiered Block	\$205.50	0 – 55,000 - \$2.50/1,000 55,001-90,000 - \$2.80/1,000 90,001-200,000 - \$3.50/1,000 200,001+ - \$5.50/1,000
Hydrant Meter	Tiered Block	\$150.00+\$200.00 Deposit	Any amount - \$10.00/1,000

Growth Factor of Rates		Year 2	Year 3	Year 4	Year 5
	Base	18.00%	5.00%	2.00%	2.00%
	Usage	10.00%	5.00%	2.00%	2.00%

This scenario combines a more modest first year base rate increase, along with adjustments to tiers and usage rates, including larger usage tiers, additional usage tiers and a higher rate for the highest users. After the initial increases, smaller increases are needed in years 2 and 3 to bring in enough revenue. A 2% annual increase is included in later years to help rates maintain pace with inflation. The results of the new rates and average bills are below.

Growth Factor of Rates		Year 2	Year 3	Year 4	Year 5		
	Base	18.00%	5.00%	2.00%	2.00%		
	Usage	10.00%	5.00%	2.00%	2.00%		
<b>Results of the new rates</b>		<b>2024</b>	<b>2025</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>	<b>5 Years</b>
TOTAL EXPENSES		\$1,790,316	\$1,827,096	\$1,980,889	\$1,880,722	\$2,067,892	\$9,546,914
TOTAL REVENUE		\$1,575,789	\$1,794,465	\$1,950,273	\$2,087,162	\$2,156,745	\$9,564,434
NET LOSS OR GAIN: (Short/Over to Reserves)		-\$214,527	-\$32,630	-\$30,616	\$206,440	\$88,853	\$17,520
NET CASH FLOW (Contribution to Reserves)		\$26,223	\$161,043	\$157,960	\$351,318	\$221,448	\$917,992
Affordability assuming MHI of \$62857 for residential meters.		1.56%	1.78%	1.91%	1.98%	2.05%	
Are you putting enough money in reserves?	No	No	No	Yes	Yes		
Positive Annual Cash Flow?	Yes	Yes	Yes	Yes	Yes		

Average Bill Every M by Meter Size								
Meter Size	Count	Meter Size	Current	Year 1	Year 2	Year 3	Year 4	Year 5
0.750	845	3/4"	\$59.10	\$80.71	\$92.13	\$98.74	\$102.47	\$106.02
1.000	118	1"	\$103.25	\$148.35	\$168.86	\$181.38	\$188.58	\$195.42
1.500	28	1.5"	\$144.00	\$233.81	\$268.21	\$287.09	\$297.64	\$307.71
2.000	34	2"	\$244.85	\$573.11	\$649.15	\$698.46	\$727.19	\$754.33

**Alternative 3.3 – Utility Board Input from 3/7/24**

A work session with RCAC and the Hildale Colorado City Utility Board was held on March 7, 2024. At this session, RCAC review progress on the rate analysis to date, including what items have been included and how suggestions have been formulated. Additionally, the above scenarios were reviewed, with a greater focus on alternatives 3.1 and 3.2 as they had already been reviewed and suggested by HCC utility staff. During the work session with the board, two modifications to alternative 3.2 were suggested, adjusting the initial usage tier of the 1” customer class from 10,000 to 20,000 gallons and reducing the 2<sup>nd</sup> year base rate increase from 18% to lessen the second year increase. Upon inputs of this information, RCAC is recommending the following scenario that is very similar to 3.2, with the most significant changes being that base rates would increase by 13% (rather than 18%) in year 2, followed by a 11% (rather than 5%) increase in year 3. The resulting impact can be seen below.

Customer Class	Rate Structure	Base Rate	Usage Rates
¾” Meter	Tiered Block	\$38.50	0 – 15,000 - \$1.50/1,000
			15,001-30,000 - \$1.85/1,000
			30,001-50,000 - \$2.00/1,000
			50,001+ - \$2.75/1,000
1” Meter	Tiered Block	\$64.00	0 – 20,000 - \$1.50/1,000
			20,001-45,000 - \$2.00/1,000
			45,001-100,000 - \$2.75/1,000
			100,001+ - \$3.50/1,000
1.5” Meter	Tiered Block	\$128.50	0 – 35,000 - \$1.50/1,000
			35,001-55,000 - \$2.00/1,000
			55,001-125,000 - \$2.75/1,000
			125,001+ - \$3.50/1,000
2” Meter	Tiered Block	\$205.50	0 – 55,000 - \$2.50/1,000
			55,001-90,000 - \$2.80/1,000
			90,001-200,000 - \$3.50/1,000
			200,001+ - \$5.50/1,000
Hydrant Meter	Tiered Block	\$150.00	Any amount - \$10.00/1,000

Growth Factor of Rates		Year 2	Year 3	Year 4	Year 5
	Base	13.00%	11.00%	2.00%	2.00%
	Usage	10.00%	5.00%	2.00%	2.00%

This scenario spreads out the necessary base rate increase more than previous alternatives. This results in a slight net loss over the 5-year period, but a very small loss. Overall, in this scenario it is projected that the HCC water system will put \$894,609 towards reserves over five years, just \$5,863 less than the overall goal. Results of the rates and impacts on customers’ average bill are below. There is a very slight change in the eventual average monthly bill after five years compared to 3.2, but it does lessen the impact of the rate increase in years 2 and 3 for many customers.



Growth Factor of Rates			Year 2	Year 3	Year 4	Year 5	
	Base		13.00%	11.00%	2.00%	2.00%	
	Usage		10.00%	5.00%	2.00%	2.00%	
<b>Results of the new rates</b>		<b>2024</b>	<b>2025</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>	<b>5 Years</b>
TOTAL EXPENSES		\$1,790,316	\$1,827,096	\$1,980,889	\$1,880,722	\$2,067,892	\$9,546,914
TOTAL REVENUE		\$1,572,058	\$1,759,114	\$1,955,451	\$2,092,392	\$2,162,037	\$9,541,051
NET LOSS OR GAIN: (Short/Over to Reserves)		-\$218,257	-\$67,982	-\$25,438	\$211,670	\$94,145	-\$5,863
NET CASH FLOW (Contribution to Reserves)		\$22,492	\$125,691	\$163,138	\$356,548	\$226,740	\$894,609
Affordability assuming MHI of \$62857 for residential meters.		1.56%	1.74%	1.92%	1.99%	2.06%	
Are you putting enough money in reserves?		No	No	No	Yes	Yes	
Positive Annual Cash Flow?		Yes	Yes	Yes	Yes	Yes	

Average Bill Every M by Meter Size for the Water Rate 3/4" Class									
Meter Size	Count	Meter Size	Current	Year 1	Year 2	Year 3	Year 4	Year 5	
0.750	845	3/4"	\$59.10	\$80.71	\$90.20	\$99.33	\$103.07	\$106.63	
1.000	0	1"	\$103.25	\$145.71	\$162.75	\$179.26	\$186.38	\$193.14	
1.500	0	1.5"	\$144.00	\$233.81	\$261.79	\$289.05	\$299.64	\$309.75	
2.000	0	2"	\$244.85	\$573.11	\$638.87	\$701.60	\$730.40	\$757.60	

**Overall Suggestions**

- Ultimately, rates need to increase substantially for HCC to cover anticipated system costs. RCAC has reviewed system financials, usage, and assets extensively and has worked to identify any areas of potential cost savings, especially related to planned capital projects. That said, HCC Utility should strongly consider which, if any, of the planned projects can be delayed, reducing the short-term burden on customers.
- With the understanding that many of these projects cannot be delayed due to capacity and compliance concerns, HCC should ensure that the best possible funding packages are sought to reduce up-front system contributions and future debt service requirements.
- While the delay of rate increases may be appealing, it can ultimately result in higher rates for customers. It is important to balance the phased implementation of rates with the eventual rates customers must pay to cover system expenses.
- Lastly, these are initial scenarios and alternatives to consider. RCAC will work with HCC to fine tune rate suggestions based on feedback from the board.



# Utility Advisory Board

# April 2024

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
	<b>Easter Monday</b> 1	2	3	4	5	6
7	8	9	10 Hildale City Council 6 pm	11	12	13
14	<b>Tax Day</b> 15 Town of Colorado City Council 6 pm	16	17	18 Planning & Zoning 6 pm	19	20
21	22	23	24	25 Utility Advisory Board 6 pm	26	27
28	29	30				