Hildale / Colorado City Utility Advisory Board

Thursday, June 26, 2025 at 6:00 PM

320 East Newel Avenue, Hildale City, Utah 84784

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, June 26, 2025** 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. Members of the public may also watch the Utility Advisory Board through the scheduled Zoom meeting.

Join Zoom Meeting

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

Meeting ID: 957 7017 1318
Passcode: 993804
One tap mobile
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Comments during the public comment or public hearing portions of the meeting may be emailed to athenac@hildalecity.com. 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 May 22, 2025.

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

Financial Report:

2. Approval of Utility Financial Report and Invoice Register

Reports:

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

Unfinished Board Business:

New Board Business:

5. Consideration, discussion, and possible recommendation to the City Councils to approve LOT #3208 Subdivision Preliminary Plat with conditions of a development water agreement.

6. Consideration, discussion, and possible recommendation to the City Councils to approve the Reservoir Acres Subdivision with conditions of a water development agreement.

7. Consideration and discussion of the combined Radium Blending & MCL Compliance Plan for Hildale-Colorado City Water System.

8. Consideration, discussion, and possible recommendation to approve the purchase of meters for wells to comply with the Combined Radium Blending & MCL Compliance for Hildale-Colorado City Water System.

9. Consideration, discussion, and possible recommendation to the City Council to approve Utility Truck Purchase in the amount of $58,585. The funds will come from the Gas Fund.

10. Updates on the repair for the caved in Well.

Board Comments: (10 minutes total)

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

11. Utility Calendar July 2025

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.

HCC UTILITY DEPARTMENT
MAKING CONNECTIONS

Hildale / Colorado City Utility Advisory Board

Thursday, May 22, 2025 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 Management Assistant

PRESENT
Chair Ezra Nielsen
Board Member (Vice Chair) Sterling Jessop, Jr.
Board Member Theil Cooke
Board Member Ruth Steed
Board Member Dale Barlow, Jr.

Staff Present: Nathan Fischer, Athena Cawley, Jessica Bistline, Roger Carter (zoom)

Pledge of Allegiance: By Invitation of Presiding Officer

Board Member Jessop led the pledge.

Organization of the Board: Presiding Officer

1. Welcome newly appointed Board Member Dale Barlow Jr., Town of Colorado City Representative.

   Chair Nielsen welcomed Dale Barlow Jr. to the Utility Advisory Board. Board Member Barlow expressed his gratitude for being invited to serve on the Board.

Conflict of Interest Disclosures: Board Members

Board Member Barlow has a conflict of interest for Item 7, the Innovation Center Water Main. He works for Advanced Construction and Design, LLC, (ACAD), the contractor for the project.

Approval of Minutes of Previous Meetings: Board Members

2. Utility Board Minutes of March 27, 2025.

   The Board Members looked over the minutes. Chair Nielsen entertained a motion.

   Motion made by Board Member Cooke, to approve Utility Board Minutes of March 27, 2025. Seconded by Board Member Steed.
   Voting Yea: Chair Nielsen, Board Member (Vice Chair) Jessop, Jr., Board Member Cooke, Board Member Steed, Board Member Barlow, Jr.

   Motion Carried.

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

No public present.

Financial Report:

3. Approval of Utility Financial Report and Invoice Register

Chair Nielsen mentioned the year progression was looking good in all Utility Funds. The Board had no questions about the invoice register.

Motion made by Chair Nielsen, to approve Utility Financial Report and Invoice Register. Seconded by Board Member Cooke.
Voting Yea: Chair Nielsen, Board Member (Vice Chair) Jessop, Jr., Board Member Cooke, Board Member Steed, Board Member Barlow, Jr.

Motion Carried.

Reports:

4. Utility Monthly Report

   Superintendent Fischer presented the March and April report for operations and administration.

5. Utility Director Report and Updates

   No updates given. Director Postema was absent.

New Subdivisions (P&Z, Utility Reviews):

6. Consideration, discussion, and possible recommendation to the two City Councils for approval of the Water Canyon Villas located on North Maple Street in Hildale, UT.

   Superintendent Fischer presented the Water Canyon Villas Development. The Board Members discussed it. Chair Nielsen called for a motion with added conditions that the developer establish a Water Development Agreement upon approval.

   Board Member Barlow asked what the nearest fire protection requirement is for the location of the development. Superintendent Fischer explained that it will be part of the Water Development Agreement requirement.

   Motion made by Chair Nielsen, to recommend to the two City Councils to approve the Water Canyon Villas with the condition that a Water Development Agreement will be put in place. Seconded by Board Member Barlow, Jr..

   Voting Yea: Chair Nielsen, Board Member (Vice Chair) Jessop, Jr., Board Member Cooke, Board Member Steed, Board Member Barlow, Jr.

   Motion carried

Unfinished Board Business:

None

New Board Business:

7. Consideration and discussion of costs for purchasing materials for the Innovation Center Water Main.

   Superintendent Fischer presented the list of materials that had been purchased with the Innovation Center Grant Funds. The construction for the project will come from the Water Fund, and once the Innovation Center Grant is received for the new fiscal year, it will reimburse the Water Department Fund in full for the expense.

8. Consideration and discussion of Emergency Funds for Well #22 repairs.

   Superintendent Fischer presented that the City Council approved Emergency Funds for Well#22 repairs up to $50,000.

9. Consideration and discussion of Loan from the Sewer Fund to the City of Hildale General Fund and repayment provisions.

   Superintendent Fischer presented the information on the Sewer Fund Loan to the General Fund and the repayment provision.

Board Comments: (10 minutes total)

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

10. Utility Calendar May & June 2025

    Chair Nielsen will not be here at the next scheduled meeting on June 26th. Vice Chair Jessop will chair the meeting.

Executive Session: As needed

None

Infrastructure Improvements Advisory Committee Session: As Needed

None

Adjournment: Presiding Officer

Chair Nielsen adjourned the meeting at 6:52 pm.

Minutes were approved at the Utility Board Meeting _____.

_____ _____

Maxene Jessop, City Recorder Shirley Zitting, Town Clerk

CITY OF HILDALE
REVENUES WITH COMPARISON TO BUDGET
FOR THE 11 MONTHS ENDING MAY 31, 2025

2017 JUDGMENT RESOLUTION FUND

		PERIOD ACTUAL	YTD ACTUAL	BUDGET	UNEARNED	PCNT
	REVENUES					
63-38-101	TRANSFER FROM GENERAL FUND	.00	.00	10,000.00	10,000.00	.0
63-38-102	TRANSFER FROM WATER FUND	4,812.40	10,362.92	10,000.00	(362.92)	103.6
63-38-103	TRANSFER FROM WASTEWATER	4,812.40	10,362.92	10,000.00	(362.92)	103.6
63-38-105	TRANSFER FROM GAS FUND	4,813.84	10,366.04	10,000.00	(366.04)	103.7
	TOTAL REVENUES	14,438.64	31,091.88	40,000.00	8,908.12	77.7
	TOTAL FUND REVENUE	14,438.64	31,091.88	40,000.00	8,908.12	77.7

CITY OF HILDALE
EXPENDITURES WITH COMPARISON TO BUDGET
FOR THE 11 MONTHS ENDING MAY 31, 2025

2017 JUDGMENT RESOLUTION FUND

		PERIOD ACTUAL	YTD ACTUAL	BUDGET	UNEXPENDED	PCNT
	EXPENDITURES					
63-41-310	PROFESSIONAL & TECHNICAL	3,670.66	31,091.88	20,000.00	(11,091.88)	155.5
63-41-315	LEGAL - GENERAL	.00	.00	20,000.00	20,000.00	.0
	TOTAL EXPENDITURES	3,670.66	31,091.88	40,000.00	8,908.12	77.7
	TOTAL FUND EXPENDITURES	3,670.66	31,091.88	40,000.00	8,908.12	77.7
	NET REVENUE OVER EXPENDITURES	10,767.98	.00	.00	.00	.0

CITY OF HILDALE
REVENUES WITH COMPARISON TO BUDGET
FOR THE 11 MONTHS ENDING MAY 31, 2025

JOINT ADMINISTRATION FUND

		PERIOD ACTUAL	YTD ACTUAL	BUDGET	UNEXPENDED	PCNT
	REVENUES					
65-38-102	TRANSFER FROM WATER FUND	171,569.95	426,226.62	388,229.00	(37,997.62)	109.8
65-38-103	TRANSFER FROM WASTEWATER	228,691.32	568,131.71	465,186.00	(102,945.71)	122.1
65-38-105	TRANSFER FROM GAS FUND	114,345.66	284,065.86	819,944.00	535,878.14	34.6
65-38-910	LANDFILL REVENUES	2,000.00	22,000.00	20,000.00	(2,000.00)	110.0
65-38-915	GARKANE SERVICES	1,167.00	17,505.00	.00	(17,505.00)	.0
	TOTAL REVENUES	517,773.93	1,317,929.19	1,693,359.00	375,429.81	77.8
	TOTAL FUND REVENUE	517,773.93	1,317,929.19	1,693,359.00	375,429.81	77.8

CITY OF HILDALE
EXPENDITURES WITH COMPARISON TO BUDGET
FOR THE 11 MONTHS ENDING MAY 31, 2025

JOINT ADMINISTRATION FUND

		PERIOD ACTUAL	YTD ACTUAL	BUDGET	UNEXPENDED	PCNT
	EXPENDITURES					
65-41-110	SALARIES-PERMANENT EMPLOYEES	44,823.57	536,898.80	740,477.00	203,578.20	72.5
65-41-112	MAYOR	.00	.00	3,000.00	3,000.00	.0
65-41-113	MANAGER	.00	26,449.30	32,820.00	6,370.70	80.6
65-41-114	TREASURER	3,293.10	26,047.11	41,600.00	15,552.89	62.6
65-41-115	RECORDER	1,992.00	27,772.81	25,759.00	(2,013.81)	107.8
65-41-120	SALARIES-TEMPORARY EMPLOYEES	.00	.00	31,247.00	31,247.00	.0
65-41-130	PAYROLL TAXES	3,736.48	46,402.62	41,815.00	(4,587.62)	111.0
65-41-140	BENEFITS-OTHER	11,965.37	129,474.07	125,000.00	(4,474.07)	103.6
65-41-144	PRINT AND POSTAGE	1,251.38	12,272.37	10,000.00	(2,272.37)	122.7
65-41-145	CONSULTANT	4,182.50	43,694.00	40,000.00	(3,694.00)	109.2
65-41-150	STIPENDS - UTILITY BOARD	500.00	3,400.00	6,000.00	2,600.00	56.7
65-41-210	BOOKS, SUBSCR, & MEMBERSHIPS	2,028.00	2,894.98	3,000.00	105.02	96.5
65-41-230	TRAVEL & TRAINING	534.90	748.90	4,000.00	3,251.10	18.7
65-41-235	FOOD & REFRESHMENT	363.75	2,727.13	5,400.00	2,672.87	50.5
65-41-240	OFFICE EXPENSE & SUPPLIES	115.87	1,717.06	3,000.00	1,282.94	57.2
65-41-242	PAYROLL FEES	578.58	6,080.70	6,000.00	(80.70)	101.4
65-41-250	EQUIPMENT SUPPLIES & MAINT	1,324.31	31,366.96	45,000.00	13,633.04	69.7
65-41-257	FUEL	1,361.34	17,180.75	50,000.00	32,819.25	34.4
65-41-260	TOOLS & EQUIPMENT-NON CAPITAL	3,959.77	13,638.57	30,000.00	16,361.43	45.5
65-41-271	MAINT & SUPPLY - OFFICE	507.97	4,674.53	7,000.00	2,325.47	66.8
65-41-280	UTILITIES	589.98	7,191.68	19,900.00	12,708.32	36.1
65-41-285	POWER	847.99	10,080.98	17,500.00	7,419.02	57.6
65-41-287	TELEPHONE	651.89	8,252.71	12,000.00	3,747.29	68.8
65-41-310	PROFESSIONAL & TECHNICAL	13,580.50	87,192.81	82,100.00	(5,092.81)	106.2
65-41-313	AUDITOR	670.00	38,357.50	40,000.00	1,642.50	95.9
65-41-315	LEGAL - GENERAL	.00	30.00	.00	(30.00)	.0
65-41-317	INFORMATION TECHNOLOGY - CONS	1,119.48	5,009.30	75,000.00	69,990.70	6.7
65-41-318	INFORMATION TECHNOLOGY - SOFTW	4,723.18	57,672.36	.00	(57,672.36)	.0
65-41-330	PUBLIC EDUCATION	.00	4,669.13	3,600.00	(1,069.13)	129.7
65-41-510	INSURANCE	1,308.71	118,164.20	108,000.00	(10,164.20)	109.4
65-41-520	COLLECTION COSTS	.00	.00	3,000.00	3,000.00	.0
65-41-521	CREDIT CARD PROCESSING FEES	1,267.77	16,011.57	12,000.00	(4,011.57)	133.4
65-41-580	RENT OR LEASE	.00	10,145.90	37,600.00	27,454.10	27.0
65-41-610	MISC. SUPPLIES	17.00	37.75	.00	(37.75)	.0
65-41-620	MISC. SERVICES	.00	1,833.75	.00	(1,833.75)	.0
65-41-720	BUILDINGS	.00	723.09	2,000.00	1,276.91	36.2
65-41-741	EQUIPMENT - OFFICE	.00	2,350.73	6,000.00	3,649.27	39.2
65-41-743	EQUIPMENT - VEHICLE	.00	6,238.32	.00	(6,238.32)	.0
65-41-780	RESERVE PURCHASES	.00	.00	12,541.00	12,541.00	.0
65-41-850	DEBT SERVICE - VEHICLE & EQUIP	.00	10,051.75	11,000.00	948.25	91.4
65-41-901	SURVEY INCENTIVE PROGRAM	.00	475.00	.00	(475.00)	.0
	TOTAL EXPENDITURES	107,295.39	1,317,929.19	1,693,359.00	375,429.81	77.8
	TOTAL FUND EXPENDITURES	107,295.39	1,317,929.19	1,693,359.00	375,429.81	77.8
	NET REVENUE OVER EXPENDITURES	410,478.54	.00	.00	.00	.0

CITY OF HILDALE
REVENUES WITH COMPARISON TO BUDGET
FOR THE 11 MONTHS ENDING MAY 31, 2025

WATER FUND

		PERIOD ACTUAL	YTD ACTUAL	BUDGET	UNEXPENDED	PCNT
	OPERATING REVENUES					
81-37-111	WATER SALES - METERED	76,784.44	504,972.00	500,000.00	(4,972.00)	101.0
81-37-121	WATER SALES - FLAT RATE	55,292.24	594,505.39	480,000.00	(114,505.39)	123.9
81-37-160	CONSTRUCTION REVENUE	.00	.00	6,000.00	6,000.00	.0
81-37-331	CONNECTION CHARGES	2,041.85	30,023.15	42,000.00	11,976.85	71.5
81-37-332	CONSTRUCTION & REPAIR	823.20	14,004.94	22,000.00	7,995.06	63.7
81-37-351	SUNDRY OPERATING REVENUE	.00	.00	20,000.00	20,000.00	.0
81-37-411	INTEREST	4,762.11	48,085.68	36,000.00	(12,085.68)	133.6
81-37-412	PENALTIES	(1,241.25)	31,122.47	50,000.00	18,877.53	62.2
81-37-451	IMPACT FEE - UT	.00	50,320.00	300,000.00	249,680.00	16.8
81-37-452	IMPACT FEE - AZ	.00	11,807.00	400,000.00	388,193.00	3.0
	TOTAL OPERATING REVENUES	138,462.59	1,284,840.63	1,856,000.00	571,159.37	69.2
	TOTAL FUND REVENUE	138,462.59	1,284,840.63	1,856,000.00	571,159.37	69.2

CITY OF HILDALE
EXPENDITURES WITH COMPARISON TO BUDGET
FOR THE 11 MONTHS ENDING MAY 31, 2025

WATER FUND

		PERIOD ACTUAL	YTD ACTUAL	BUDGET	UNEXPENDED	PCNT
	OPERATING EXPENDITURES					
81-41-210	BOOKS, SUBSCR, & MEMBERSHIPS	.00	893.00	1,000.00	107.00	89.3
81-41-230	TRAVEL & TRAINING	.00	4,532.01	1,000.00	(3,532.01)	453.2
81-41-235	FOOD & REFRESHMENT	.00	718.41	500.00	(218.41)	143.7
81-41-250	EQUIPMENT SUPPLIES & MAINT	.00	179.26	1,200.00	1,020.74	14.9
81-41-257	FUEL	135.40	446.85	400.00	(46.85)	111.7
81-41-260	TOOLS & EQUIPMENT-NON CAPITAL	.00	654.88	10,000.00	9,345.12	6.6
81-41-273	MAINT & SUPPLY - SYSTEM	22,025.71	104,615.43	133,000.00	28,384.57	78.7
81-41-285	POWER	20,175.82	130,047.43	130,000.00	(47.43)	100.0
81-41-311	ENGINEER	.00	52,000.00	65,000.00	13,000.00	80.0
81-41-314	LABORATORY & TESTING	1,050.69	15,653.69	30,000.00	14,346.31	52.2
81-41-315	LEGAL - GENERAL	.00	31.00	.00	(31.00)	.0
81-41-330	PUBLIC EDUCATION	.00	1,089.96	2,000.00	910.04	54.5
81-41-340	SYSTEM CONSTRUCTION SERVICES	.00	2,757.48	30,000.00	27,242.52	9.2
81-41-341	CONST-CUSTOMER'S INSTALLATION	.00	4,015.08	1,000.00	(3,015.08)	401.5
81-41-432	WATER CHEMICALS & SUPPLIES	.00	37,673.18	22,000.00	(15,673.18)	171.2
	TOTAL OPERATING EXPENDITURES	43,387.62	355,307.66	427,100.00	71,792.34	83.2
	NON-OPERATING EXPENDITURES					
81-42-600	IMPACT FEE - UT	.00	.00	300,000.00	300,000.00	.0
81-42-601	IMPACT FEE - AZ	.00	.00	400,000.00	400,000.00	.0
81-42-730	IMPROVEMENTS OTHER THAN BLDGS	.00	.00	2,000.00	2,000.00	.0
81-42-742	EQUIPMENT - FIELD	.00	.00	1,000.00	1,000.00	.0
81-42-750	SP PROJECTS CAPITAL	.00	49,744.52	135,260.00	85,515.48	36.8
81-42-780	RESERVE PURCHASES	.00	.00	60,000.00	60,000.00	.0
81-42-815	PRINC. & INT W.RIGHTS LOAN	.00	.00	61,300.00	61,300.00	.0
81-42-911	TRANSFERS TO JOINT ADMIN FUND	171,569.95	426,226.62	388,229.00	(37,997.62)	109.8
81-42-914	TRANSFERS TO 2017 JMT RES FUND	4,812.40	10,362.92	10,000.00	(362.92)	103.6
81-42-960	TRANSFERS TO RESERVE FUNDS	.00	.00	48,200.00	48,200.00	.0
81-42-999	CONTINGENCY	.00	.00	22,911.00	22,911.00	.0
	TOTAL NON-OPERATING EXPENDITURES	176,382.35	486,334.06	1,428,900.00	942,565.94	34.0
	TOTAL FUND EXPENDITURES	219,769.97	841,641.72	1,856,000.00	1,014,358.28	45.4
	NET REVENUE OVER EXPENDITURES	(81,307.38)	443,198.91	.00	(443,198.91)	.0

CITY OF HILDALE
REVENUES WITH COMPARISON TO BUDGET
FOR THE 11 MONTHS ENDING MAY 31, 2025

WASTEWATER FUND

		PERIOD ACTUAL	YTD ACTUAL	BUDGET	UNEXPENDED	PCNT
	OPERATING REVENUES					
82-37-311	SERVICE CHARGES	71,151.69	804,973.55	840,000.00	35,026.45	95.8
82-37-312	SERVICE CHARGES - CPMCWID	(4,850.00)	148,865.01	200,000.00	51,134.99	74.4
82-37-331	CONNECTION CHARGES	.00	.00	20,000.00	20,000.00	.0
82-37-332	SERVICING CUSTOMER INSTALL	.00	21,651.12	18,000.00	(3,651.12)	120.3
82-37-411	INTEREST	.00	62,175.56	60,000.00	(2,175.56)	103.6
82-37-451	IMPACT FEE	.00	92,050.00	110,000.00	17,950.00	83.7
82-37-452	IMPACT FEE - CPMCWID	4,850.00	36,925.00	631,425.00	594,500.00	5.9
82-37-600	LOAN PROCEEDS	.00	.00	500,000.00	500,000.00	.0
	TOTAL OPERATING REVENUES	71,151.69	1,166,640.24	2,379,425.00	1,212,784.76	49.0
	TOTAL FUND REVENUE	71,151.69	1,166,640.24	2,379,425.00	1,212,784.76	49.0

CITY OF HILDALE
EXPENDITURES WITH COMPARISON TO BUDGET
FOR THE 11 MONTHS ENDING MAY 31, 2025

WASTEWATER FUND

		PERIOD ACTUAL	YTD ACTUAL	BUDGET	UNEXPENDED	PCNT
	OPERATING EXPENDITURES					
82-41-210	BOOKS, SUBSCR, & MEMBERSHIPS	.00	574.00	1,000.00	426.00	57.4
82-41-230	TRAVEL	.00	2,472.60	1,500.00	(972.60)	164.8
82-41-250	EQUIPMENT SUPPLIES & MAINT	.00	1,313.09	2,000.00	686.91	65.7
82-41-257	FUEL	.00	1,676.71	5,000.00	3,323.29	33.5
82-41-260	TOOLS & EQUIPMENT-NON CAPITAL	.00	1,112.22	2,000.00	887.78	55.6
82-41-273	MAINTENANCE & SUPPLY - SYSTEM	687.72	46,225.59	35,000.00	(11,225.59)	132.1
82-41-274	MAINT & SUPPLY EQUIPMENT	.00	15,343.23	1,000.00	(14,343.23)	1534.3
82-41-285	POWER	4,600.57	48,192.49	60,000.00	11,807.51	80.3
82-41-311	ENGINEER	13,544.26	14,294.26	30,000.00	15,705.74	47.7
82-41-314	LABORATORY & TESTING	.00	.00	3,000.00	3,000.00	.0
82-41-315	LEGAL - GENERAL	.00	350.00	.00	(350.00)	.0
82-41-330	PUBLIC EDUCATION	.00	1,125.98	3,000.00	1,874.02	37.5
82-41-340	SYSTEM CONSTRUCTION SERVICES	.00	56,097.99	367,975.00	311,877.01	15.3
82-41-341	CONST-CUSTOMER'S INSTALLATION	.00	.00	10,000.00	10,000.00	.0
82-41-620	MISC. SERVICES	.00	100.00	.00	(100.00)	.0
	TOTAL OPERATING EXPENDITURES	18,832.55	188,878.16	521,475.00	332,596.84	36.2
	NON-OPERATING EXPENSES					
82-42-560	BAD DEBT EXPENSE	.00	.00	10,000.00	10,000.00	.0
82-42-600	IMPACT FEE - UT	.00	.00	110,000.00	110,000.00	.0
82-42-602	IMPACT FEE - CPMCWID	.00	.00	631,425.00	631,425.00	.0
82-42-710	LAND	.00	15,000.00	.00	(15,000.00)	.0
82-42-742	EQUIPMENT - FIELD	.00	.00	10,000.00	10,000.00	.0
82-42-780	RESERVE PURCHASES	.00	24,025.30	150,000.00	125,974.70	16.0
82-42-812	PRINCIPAL ON BONDS - RDA B	111,000.00	111,000.00	111,000.00	.00	100.0
82-42-822	INTEREST ON BONDS - RDA - B	19,164.25	38,328.50	38,400.00	71.50	99.8
82-42-911	TRANSFERS TO JOINT ADMIN FUND	228,691.32	568,131.71	465,186.00	(102,945.71)	122.1
82-42-914	TRANSFERS TO 2017 JMT RES FUND	4,812.40	10,362.92	10,000.00	(362.92)	103.6
82-42-960	TRANSFERS TO RESERVE FUNDS	.00	.00	150,000.00	150,000.00	.0
82-42-999	CONTINGENCY	.00	.00	171,939.00	171,939.00	.0
	TOTAL NON-OPERATING EXPENSES	363,667.97	766,848.43	1,857,950.00	1,091,101.57	41.3
	TOTAL FUND EXPENDITURES	382,500.52	955,726.59	2,379,425.00	1,423,698.41	40.2
	NET REVENUE OVER EXPENDITURES	(311,348.83)	210,913.65	.00	(210,913.65)	.0

CITY OF HILDALE
REVENUES WITH COMPARISON TO BUDGET
FOR THE 11 MONTHS ENDING MAY 31, 2025

GAS FUND

		PERIOD ACTUAL	YTD ACTUAL	BUDGET	UNEXPENDED	PCNT
	OPERATING REVENUES					
84-37-111	GAS SALES - METERED NAT GAS	9,792.85	255,713.68	800,000.00	544,286.32	32.0
84-37-112	GAS SALES - LIQUID PROPANE	10,510.03	189,324.29	93,000.00	(96,324.29)	203.6
84-37-113	GAS SALES - CYLINDER	429.73	5,192.03	5,000.00	(192.03)	103.8
84-37-114	GAS SALES - CYLINDER EXCHANGE	142.03	361.97	1,000.00	638.03	36.2
84-37-115	GAS SALES - CC METERED NAT GAS	16,856.42	200,490.31	1,400,000.00	1,199,509.69	14.3
84-37-121	NATURAL GAS SALES - FLAT RATE	3,225.67	35,425.76	31,341.00	(4,084.76)	113.0
84-37-122	PROPANE GAS - FLAT RATE	4,035.65	46,000.35	40,654.00	(5,346.35)	113.2
84-37-160	CONSTRUCTION REVENUE	4,338.83	82,544.08	7,000.00	(75,544.08)	1179.2
84-37-331	CONNECTION CHARGES	330.00	5,769.20	9,000.00	3,230.80	64.1
84-37-411	INTEREST	11,379.24	52,726.90	40,000.00	(12,726.90)	131.8
84-37-412	PENALTIES	731.85	11,968.92	20,000.00	8,031.08	59.8
	TOTAL OPERATING REVENUES	61,772.30	885,517.49	2,446,995.00	1,561,477.51	36.2
	NON-OPERATING REVENUES					
84-38-316	INTRAGOVERNMENTAL GRANTS	.00	.00	646,000.00	646,000.00	.0
	TOTAL NON-OPERATING REVENUES	.00	.00	646,000.00	646,000.00	.0
	TOTAL FUND REVENUE	61,772.30	885,517.49	3,092,995.00	2,207,477.51	28.6

CITY OF HILDALE
EXPENDITURES WITH COMPARISON TO BUDGET
FOR THE 11 MONTHS ENDING MAY 31, 2025

GAS FUND

		PERIOD ACTUAL	YTD ACTUAL	BUDGET	UNEXPENDED	PCNT
	OPERATING EXPENDITURES					
84-41-140	BENEFITS-OTHER	.00	.00	3,000.00	3,000.00	.0
84-41-210	BOOKS, SUBSCR, & MEMBERSHIPS	.00	5,555.24	4,000.00	(1,555.24)	138.9
84-41-230	TRAVEL & TRAINING	32.00	2,650.18	10,000.00	7,349.82	26.5
84-41-235	FOOD & REFRESHMENT	.00	216.53	500.00	283.47	43.3
84-41-250	EQUIPMENT SUPPLIES & MAINT	.00	2,586.44	5,000.00	2,413.56	51.7
84-41-257	FUEL	154.83	1,531.77	3,500.00	1,968.23	43.8
84-41-260	TOOLS & EQUIPMENT-NON CAPITAL	.00	4,456.89	10,000.00	5,543.11	44.6
84-41-271	MAINT & SUPPLY - OFFICE	.00	72.37	.00	(72.37)	.0
84-41-273	MAINT & SUPPLY SYSTEM	2,695.71	22,231.55	64,500.00	42,268.45	34.5
84-41-285	POWER	100.27	1,698.50	1,500.00	(198.50)	113.2
84-41-310	PROFESSIONAL & TECHNICAL	170.50	170.50	.00	(170.50)	.0
84-41-311	ENGINEER	.00	727.50	5,000.00	4,272.50	14.6
84-41-315	LEGAL - GENERAL	.00	79.00	.00	(79.00)	.0
84-41-330	PUBLIC EDUCATION	.00	6,777.33	1,500.00	(5,277.33)	451.8
84-41-340	SYSTEM CONSTRUCTION SERVICES	.00	4,849.90	20,000.00	15,150.10	24.3
84-41-341	CONST-CUSTOMER'S INSTALLATION	.00	11,625.18	40,000.00	28,374.82	29.1
84-41-431	NATURAL GAS COMMODITY SUPPLY	9,944.42	204,360.76	380,000.00	175,639.24	53.8
84-41-432	PROPANE GAS COMMODITY SUPPLY	12,610.00	99,667.72	135,000.00	35,332.28	73.8
84-41-434	NAT GAS COMMODITY TRANSPORT	3,583.13	45,056.92	130,000.00	84,943.08	34.7
84-41-440	SPECIAL UTILITY PROJECTS	.00	161.10	.00	(161.10)	.0
84-41-510	INSURANCE	3,598.57	36,121.70	35,000.00	(1,121.70)	103.2
84-41-580	RENT OR LEASE	1,071.23	2,507.11	4,900.00	2,392.89	51.2
84-41-610	MISC. SUPPLIES	.00	.00	5,000.00	5,000.00	.0
	TOTAL OPERATING EXPENDITURES	33,960.66	453,104.19	858,400.00	405,295.81	52.8
	NON-OPERATING EXPENDITURES					
84-42-560	BAD DEBT EXPENSE	.00	.00	6,000.00	6,000.00	.0
84-42-710	LAND	.00	7,096.83	5,000.00	(2,096.83)	141.9
84-42-750	SP PROJECTS CAPITAL	.00	.00	646,000.00	646,000.00	.0
84-42-780	RESERVE PURCHASES	.00	.00	226,500.00	226,500.00	.0
84-42-911	TRANSFERS TO JOINT ADMIN FUND	114,345.66	284,065.86	819,944.00	535,878.14	34.6
84-42-914	TRANSFERS TO 2017 JMT RES FUND	4,813.84	10,366.04	10,000.00	(366.04)	103.7
84-42-960	TRANSFERS TO RESERVE FUNDS	.00	.00	337,000.00	337,000.00	.0
84-42-999	CONTINGENCY	.00	.00	184,151.00	184,151.00	.0
	TOTAL NON-OPERATING EXPENDITURES	119,159.50	301,528.73	2,234,595.00	1,933,066.27	13.5
	TOTAL FUND EXPENDITURES	153,120.16	754,632.92	3,092,995.00	2,338,362.08	24.4
	NET REVENUE OVER EXPENDITURES	(91,347.86)	130,884.57	.00	(130,884.57)	.0

CITY OF HILDALE
EXPENDITURES WITH COMPARISON TO BUDGET
FOR THE 11 MONTHS ENDING MAY 31, 2025

89 FUND COLO CITY FIBER DEPT

		PERIOD ACTUAL	YTD ACTUAL	BUDGET	UNEXPENDED	PCNT
	OPERATING EXPENDITURES					
89-41-273	MAINT & SUPPLY SYSTEM	.00	452.44	.00	(452.44)	.0
	TOTAL OPERATING EXPENDITURES	.00	452.44	.00	(452.44)	.0
	TOTAL FUND EXPENDITURES	.00	452.44	.00	(452.44)	.0
	NET REVENUE OVER EXPENDITURES	.00	(452.44)	.00	452.44	.0

CITY OF HILDALE
REVENUES WITH COMPARISON TO BUDGET
FOR THE 11 MONTHS ENDING MAY 31, 2025

90 FUND HILDALE CITY FIBER DEP

		PERIOD ACTUAL	YTD ACTUAL	BUDGET	UNEXPENDED	PCNT
	OPERATING REVENUES					
90-37-111	FIBER SALES	340.99	(348.54)	4,627.00	4,975.54	(7.5)
90-37-332	CONSTRUCTION	.00	356.48	.00	(356.48)	.0
90-37-412	PENALTIES	.00	(49.77)	51.00	100.77	(97.6)
	TOTAL OPERATING REVENUES	340.99	(41.83)	4,678.00	4,719.83	(.9)
	TOTAL FUND REVENUE	340.99	(41.83)	4,678.00	4,719.83	(.9)

CITY OF HILDALE
EXPENDITURES WITH COMPARISON TO BUDGET
FOR THE 11 MONTHS ENDING MAY 31, 2025

90 FUND HILDALE CITY FIBER DEP

		PERIOD ACTUAL	YTD ACTUAL	BUDGET	UNEXPENDED	PCNT
	OPERATING EXPENDITURES					
90-41-260	TOOLS & EQUIPMENT-NON CAPITAL	.00	293.51	.00	(293.51)	.0
90-41-273	MAINT & SUPPLY SYSTEM	.00	452.44	.00	(452.44)	.0
90-41-319	CONTINGENCY	.00	.00	3,478.00	3,478.00	.0
90-41-580	RENT OR LEASE	100.00	1,200.00	1,200.00	.00	100.0
	TOTAL OPERATING EXPENDITURES	100.00	1,945.95	4,678.00	2,732.05	41.6
	TOTAL FUND EXPENDITURES	100.00	1,945.95	4,678.00	2,732.05	41.6
	NET REVENUE OVER EXPENDITURES	240.99	(1,987.78)	.00	1,987.78	.0

Invoice	Description	Invoice Date	Due Date	Total Cost	Period	GL Activity	GL Account
ALLIANCE FIRE & SAFETY, INC. (4902)							
75487	FIRE EXTINGUISHER ANNUAL INSPECTION	05/01/2025	05/31/2025	579.48	05/25	0	65-41-310
Total ALLIANCE FIRE & SAFETY, INC. (4902):				579.48			
AUTOMATION DIRECT.COM, INC. (1158)							
17799829	Well 21 - Eelectrical Enclosure	04/25/2025	05/25/2025	1,749.00	05/25	0	81-41-273
17879650	CHLORINE SAFETY EQUIPMENT ENCLOSURE AT WATER TREATMENT PLANT	05/15/2025	06/14/2025	658.00	05/25	0	81-41-273
Total AUTOMATION DIRECT.COM, INC. (1158):				2,407.00			
BASIC AMERICAN SUPPLY (5637)							
694945	Wire Repair Parts for Sewer Pond Sprinklers	04/24/2025	05/25/2025	45.98	05/25	0	82-41-273
696191	Parts for Well 21	04/29/2025	05/29/2025	42.97	05/25	0	81-41-273
698521	FIRE HYDRANT PAINT	05/08/2025	05/31/2025	7.58	05/25	0	81-41-273
702551	TAPE FOR WATER DEPT.	05/22/2025	05/31/2025	17.99	05/25	0	81-41-273
704076	TORCHES FOR THE WELL WIRE CONNECTIONS	05/28/2025	05/31/2025	119.96	05/25	0	81-41-273
704246	WELL #10 FITTINGS	05/28/2025	05/31/2025	18.77	05/25	0	81-41-273
Total BASIC AMERICAN SUPPLY (5637):				253.25			
BRAY SALES, INC. (5980)							
2206003887	VALVES & REPAIR PARTS FOR AIR VALVES	05/27/2025	05/31/2025	53.00	05/25	0	81-41-273
2206003888	VALVES & REPAIR PARTS FOR AIR VALVES	05/29/2025	05/31/2025	822.08	05/25	0	81-41-273
Total BRAY SALES, INC. (5980):				875.08			
BUCKS ACE HARDWARE (5356)							
362461	DRILL & TAPE FOR WATER VALVE	04/14/2025	05/31/2025	39.98	05/25	0	81-41-273
Total BUCKS ACE HARDWARE (5356):				39.98			
CASELLE, INC. (1430)							
140500	90% UTILITIES - SPLIT DISTRIBUTION	05/01/2025	05/31/2025	1,399.50	05/25	0	65-41-318
Total CASELLE, INC. (1430):				1,399.50			
CATALYST CONSTRUCTION (5712)							
169	Fiber Server Office Rent	05/01/2025	05/31/2025	100.00	05/25	0	90-41-580
Total CATALYST CONSTRUCTION (5712):				100.00			
CHEMTECH-FORD LABORATORIES, INC. (1481)							
25D1681	Water Tests	04/30/2025	05/30/2025	57.00	05/25	0	81-41-314
25E0978	Water quality testing	05/21/2025	06/20/2025	162.00	05/25	0	81-41-314
Total CHEMTECH-FORD LABORATORIES, INC. (1481):				219.00			
CUSTOMER DEPOSIT REFUND (5518)							
3359800 042	3359800 CUSTOMER DEPOSIT REFUND	04/29/2025	05/30/2025	200.91	05/25	0	81-21350
3369900 051	3369900 CUSTOMER DEPOSIT REFUND	05/12/2025	05/31/2025	157.83	05/25	0	81-21350
6797004 051	6797004 CUSTOMER DEPOSIT REFUND	05/12/2025	06/01/2025	72.47	05/25	0	81-21350
3834030 050	3834030 CUSTOMER DEPOSIT REFUND	05/06/2025	05/31/2025	67.88	05/25	0	81-21350
3376038 051	3376038 CUSTOMER DEPOSIT REFUND	05/16/2025	05/31/2025	129.28	05/25	0	81-21350
3403008 051	3403008 CUSTOMER DEPOSIT REFUND	05/14/2025	05/31/2025	434.07	05/25	0	81-21350
Total CUSTOMER DEPOSIT REFUND (5518):				1,062.44			

Invoice	Description	Invoice Date	Due Date	Total Cost	Period	GL Activity	GL Account
DJB GAS SERVICES, INC. (4750)							
1586341	CYLINDER RENTAL	04/30/2025	05/30/2025	29.14	05/25	0	65-41-250
Total DJB GAS SERVICES, INC. (4750):				29.14			
DOI/BLM (4835)							
2025037653	Gas Pipeline Right of Way Lease	04/22/2025	05/31/2025	971.23	05/25	0	84-41-580
Total DOI/BLM (4835):				971.23			
EMPLOYEE REIMBURSEMENTS (5972)							
051425	SUPERVISOR MNGMT TRAINING - NATE FISCHER - PROVO	05/14/2025	05/31/2025	204.00	05/25	0	65-41-235
Total EMPLOYEE REIMBURSEMENTS (5972):				204.00			
ENBRIDGE GAS UT WY ID (5607)							
5948550000-	Natural Gas Commodity	04/25/2025	05/31/2025	3,583.13	05/25	0	84-41-434
Total ENBRIDGE GAS UT WY ID (5607):				3,583.13			
EXECUTECH UTAH, INC. (5553)							
PHX-200676-	IT MANAGEMENT SERVICES JUF 70% SPLIT SALES TAX	04/30/2025	06/07/2025	202.50-	05/25	0	65-41-318
PHX-201786-	IT MANAGEMENT SERVICES JAF 70% SPLIT	04/30/2025	05/31/2025	50.47-	05/25	0	65-41-318
PHX-217334	IT MANAGEMENT SERVICES 70% SPLIT	05/15/2025	05/31/2025	3,059.00	05/25	0	65-41-318
PHX-217388	OFFICE 365 G3 GCC (GOVERNMENT) 70% SPLIT	05/15/2025	05/31/2025	517.65	05/25	0	65-41-318
Total EXECUTECH UTAH, INC. (5553):				3,323.68			
GARKANE ENERGY (5057)							
1709902 052	POWER PLANT WELL	05/15/2025	05/31/2025	2,725.15	05/25	0	81-41-285
1717500 052	CENTENNIAL PARK LIFT STATION	05/22/2025	05/31/2025	980.30	05/25	0	82-41-285
1734500 052	EAST WATER TANKS	05/22/2025	05/31/2025	63.07	05/25	0	81-41-285
1763000 052	SPRINKLER PUMP STATION	05/15/2025	05/31/2025	224.73	05/25	0	82-41-285
1763900 052	SEWER HEADWORKS BUILDING	05/15/2025	05/31/2025	3,395.54	05/25	0	82-41-285
1768100 052	Well #8	05/22/2025	05/31/2025	400.22	05/25	0	81-41-285
1772300 052	Well #10	05/22/2025	05/31/2025	51.08	05/25	0	81-41-285
1772400 052	Well #4	05/22/2025	05/31/2025	763.51	05/25	0	81-41-285
1772500 052	CITY HALL POWER 67%	05/15/2025	05/31/2025	267.85	05/25	0	65-41-285
1775500 052	WATER PLANT POWER	05/22/2025	05/31/2025	4,709.63	05/25	0	81-41-285
1780600 052	Well #19	05/22/2025	05/31/2025	1,707.01	05/25	0	81-41-285
1781000 052	WELL #17	05/22/2025	05/31/2025	1,424.03	05/25	0	81-41-285
1782300 052	LAB SHOP POWER	05/15/2025	05/31/2025	580.14	05/25	0	65-41-285
1782501 052	Well #22	05/15/2025	05/31/2025	2,537.79	05/25	0	81-41-285
1787300 052	PROPANE YARD	05/15/2025	05/31/2025	89.45	05/25	0	84-41-285
1793900 052	MILLION GALLON TANK	05/15/2025	05/31/2025	55.09	05/25	0	81-41-285
1945500 052	ACADEMY AVE WELL	05/22/2025	05/31/2025	2,540.02	05/25	0	81-41-285
2026700 052	Well #21	05/22/2025	05/31/2025	3,199.22	05/25	0	81-41-285
Total GARKANE ENERGY (5057):				25,713.83			
HILDALE CITY (2160)							
NAT 0425	NATURAL GAS ENERGY AND USE TAX	05/06/2025	05/21/2025	1,118.54	05/25	0	84-21376
Total HILDALE CITY (2160):				1,118.54			
HILDALE CITY UTILITIES (2170)							
3180001 042	SEWER TREATMENT PLANT/ LAB SHOP	04/30/2025	05/15/2025	354.10	05/25	0	65-41-280
6077001 042	CITY HALL UTILITIES - 67% Utilities - Split Distribution	05/06/2025	05/21/2025	235.88	05/25	0	65-41-280

Invoice	Description	Invoice Date	Due Date	Total Cost	Period	GL Activity	GL Account
6428701 042	Propane Yard Lease	05/06/2025	05/21/2025	100.00	05/25	0	84-41-580
Total HILDALE CITY UTILITIES (2170):				689.98			
HINTON BURDICK CPAs & ADVISORS (2560)							
324801	FY24 Audit Progress Billing - 67% Utilities Split Distribution	04/30/2025	05/30/2025	670.00	05/25	0	65-41-313
Total HINTON BURDICK CPAs & ADVISORS (2560):				670.00			
HOLIDAY RESORT MANAGEMENT, PC (5930)							
050125	APARTMENT RENT	05/01/2025	05/31/2025	1,012.99	05/25	0	65-41-580
Total HOLIDAY RESORT MANAGEMENT, PC (5930):				1,012.99			
JERALD A POSTEMA (5894)							
1074-25	UTILITIES DIRECTOR CONTRACT	05/25/2025	05/31/2025	5,000.00	05/25	0	65-41-310
1074-25	EXPENSES REIMBURSEMENT	05/25/2025	05/31/2025	2,401.02	05/25	0	65-41-310
1075-25	UTILITIES DIRECTOR CONTRACT	05/29/2025	05/31/2025	5,000.00	05/25	0	65-41-310
Total JERALD A POSTEMA (5894):				12,401.02			
L & W RANCH (5544)							
5924	14.9 PIVOT TIRE	05/15/2025	05/31/2025	500.00	05/25	0	82-41-273
Total L & W RANCH (5544):				500.00			
LEGEND TECHNICAL SERVICES OF ARIZONA INC (5950)							
2507219	ARSENIC TESTING WELL 17	04/05/2025	04/30/2025	40.00	05/25	0	81-41-314
250814	WATER TESTING	05/23/2025	05/31/2025	104.00	05/25	0	81-41-314
2508141	WATER TESTING	05/15/2025	05/31/2025	104.00	05/25	0	81-41-314
Total LEGEND TECHNICAL SERVICES OF ARIZONA INC (5950):				248.00			
LES OLSON COMPANY (2671)							
EA1549894	MAINTENANCE CONTRACT - 75% UTILITIES	05/16/2025	06/15/2025	219.50	05/25	0	65-41-250
Total LES OLSON COMPANY (2671):				219.50			
NGL SUPPLY CO. LTD (5605)							
NGL602031	Propane Commodity	05/07/2025	05/17/2025	12,610.00	05/25	0	84-41-432
Total NGL SUPPLY CO. LTD (5605):				12,610.00			
PAT WALKER CONSULTING LLC (5794)							
2025-026	Professional Accounting Services (BILL, PAT, CRISTINA) 70% split JUF	05/12/2025	05/30/2025	4,182.50	05/25	0	65-41-145
Total PAT WALKER CONSULTING LLC (5794):				4,182.50			
PINNACLE GAS PRODUCTS (5471)							
179445	gas fittings and parts for inventory	05/15/2025	05/31/2025	1,634.30	05/25	0	84-41-273
Total PINNACLE GAS PRODUCTS (5471):				1,634.30			
PREFERRED PARTS (4694)							
15048-19073	TRANS SPEED SENSOR TRUCK 3131	05/01/2025	05/30/2025	59.84	05/25	0	65-41-250
15048-19107	BATTERY TRUCK 3131 - CREDIT	05/06/2025	05/30/2025	8.50-	05/25	0	65-41-250
15048-19152	FUEL PUMP MODULE TRUCK# 3141	05/12/2025	06/01/2025	636.71	05/25	0	65-41-250
15048-19153	PIGTAIL SOCKET TRUCK# 3141	05/12/2025	06/01/2025	49.28	05/25	0	65-41-250

Invoice	Description	Invoice Date	Due Date	Total Cost	Period	GL Activity	GL Account
15048-19177	FUEL LINE CLIP FOR TRUCK #3141	05/15/2025	05/31/2025	6.41	05/25	0	65-41-250
Total PREFERRED PARTS (4694):				743.74			
PUBLIC MANAGEMENT PARTNERS (5745)							
04-2025	COURT MONITOR FEES APRIL 2025	05/09/2025	06/01/2025	1,109.50	05/25	0	63-41-310
Total PUBLIC MANAGEMENT PARTNERS (5745):				1,109.50			
ROCKY MOUNTAIN POWER (4202)							
68511976-00	MONTHLY POWER	05/02/2025	06/01/2025	10.82	05/25	0	84-41-285
Total ROCKY MOUNTAIN POWER (4202):				10.82			
SCHOLZEN PRODUCTS COMPANY, INC. (3450)							
103282-00	chlorine for water treatment plant	04/25/2025	05/25/2025	2,233.00	04/25	0	81-41-432
6902351-00	Gas Meter Bars 75 for 275 meter	04/28/2025	05/28/2025	4,726.50	04/25	0	84-41-273
1031769	chlorine for water treatment plant	02/18/2025	03/20/2025	2,233.00	05/25	0	81-41-273
6908437-00	Gas VALVE PLUGS	05/07/2025	06/06/2025	381.20	05/25	0	84-41-273
3052244-00	CHLORINE CYLINDER RENTAL	05/16/2025	06/15/2025	89.28	05/25	0	81-41-273
6910418-00	WATER PIPES	05/14/2025	06/13/2025	916.91	05/25	0	81-41-273
6911024-00	CHLORINE FOR DISINFECTING THE SPRING LINE	05/16/2025	06/15/2025	95.10	05/25	0	81-41-273
6912090-00	LUBE FOR SEWER CULVERT PIPING	05/21/2025	06/20/2025	123.72	05/25	0	82-41-273
6912300-00	PARTS FOR SPRING LINE	05/22/2025	06/21/2025	155.43	05/25	0	81-41-273
6912376-00	Mail line valve boxes and bolt kits	05/23/2025	06/22/2025	3,487.00	05/25	0	81-41-273
6912812-00	New fire hydrant	05/27/2025	06/26/2025	3,664.52	05/25	0	81-41-273
6913099-00	WELL #10 PIPE	05/27/2025	06/26/2025	300.19	05/25	0	81-41-273
Total SCHOLZEN PRODUCTS COMPANY, INC. (3450):				18,405.85			
SENSIT TECHNOLOGIES (4707)							
SMPI-00059	REPAIR AND PARTS FOR GAS DETECTOR	04/25/2025	05/10/2025	680.21	05/25	0	84-41-273
Total SENSIT TECHNOLOGIES (4707):				680.21			
SHRED ST GEORGE (5401)							
5334705052	65 GAL BULK SHRED - PAPER SHREDDING - 50% UTILITIES	05/05/2025	06/04/2025	27.47	05/25	0	65-41-271
Total SHRED ST GEORGE (5401):				27.47			
SOUTH CENTRAL COMMUNICATIONS (3560)							
8297800 052	CITY HALL PHONES & FAX LINES - 67% UTILITIES - Split Distribution	05/01/2025	05/16/2025	651.89	05/25	0	65-41-287
Total SOUTH CENTRAL COMMUNICATIONS (3560):				651.89			
STATE BANK OF SOUTHERN UTAH (5793)							
06152025	PRINCIPAL DUE	06/15/2025	06/30/2025	111,000.00	05/25	0	82-42-812
06152025	INTEREST DUE	06/15/2025	06/30/2025	19,164.25	05/25	0	82-42-822
Total STATE BANK OF SOUTHERN UTAH (5793):				130,164.25			
SUMMIT ENERGY, LLC (4605)							
0425HILD	NATURAL GAS COMMODITY	05/02/2025	05/25/2025	9,944.42	05/25	0	84-41-431
Total SUMMIT ENERGY, LLC (4605):				9,944.42			

Invoice	Description	Invoice Date	Due Date	Total Cost	Period	GL Activity	GL Account
SUNRISE ENGINEERING, INC. (3740)							
ARIV100276	GIS MAPPING & MANAGEMENT SERVICE	05/12/2025	06/11/2025	600.00	05/25	0	65-41-310
ARIV100305	HOMESTEAD SEWER PROJECT	05/21/2025	06/20/2025	13,544.26	05/25	0	82-41-311
Total SUNRISE ENGINEERING, INC. (3740):				14,144.26			
SUU WATERLAB (5854)							
WL-3650	WATER TESTING	04/21/2025	05/31/2025	161.00	04/25	0	81-41-314
WL-3695	WATER TESTING	05/06/2025	06/06/2025	138.00	05/25	0	81-41-314
WL-3794	WATER TESTING	05/20/2025	05/31/2025	230.00	05/25	0	81-41-314
Total SUU WATERLAB (5854):				529.00			
The Data Center, LLC (5932)							
68943	FULL COLOR STATEMENTS & POSTAGE	05/07/2025	05/17/2025	813.38	05/25	0	65-41-144
Total The Data Center, LLC (5932):				813.38			
THE SHERWIN-WILLIAMS COMPANY (5903)							
4663-6	PAINT FOR CURBS IN FRONT OF FIRE HYDRANTS	05/08/2025	05/31/2025	290.04	05/25	0	81-41-273
Total THE SHERWIN-WILLIAMS COMPANY (5903):				290.04			
TOWN OF COLORADO CITY (3930)							
11235	ADMIN FEE	04/30/2025	05/15/2025	39.99	04/25	0	65-41-140
11236	DOJ - KEITH	04/30/2025	05/15/2025	2,104.30	04/25	0	63-41-310
11261	ADMIN FEE	05/06/2025	05/21/2025	14.45	05/25	0	65-41-257
11261	PROPANE TRUCK FUEL	05/06/2025	05/21/2025	154.83	05/25	0	84-41-257
11261	FUEL - PUBLIC WORKS/UTILITIES	05/06/2025	05/21/2025	1,304.48	05/25	0	65-41-257
11261	ADMIN FEE UTILITIES	05/06/2025	05/21/2025	42.41	05/25	0	65-41-257
11254	GENERAL & PROFESSIONAL LIABILITY INSURANCE	05/01/2025	05/16/2025	3,306.90	05/25	0	84-41-510
11254	RISK MANAGEMENT FUND	05/01/2025	05/16/2025	635.95	05/25	0	65-41-510
11254	TUITION REIMBURSEMENT	05/01/2025	05/16/2025	254.38	05/25	0	65-41-140
11254	PROPANE LIABILITY	05/01/2025	05/16/2025	291.67	05/25	0	84-41-510
11263	JAF PAYROLL	05/07/2025	05/31/2025	21,325.69	05/25	0	65-41-110
11263	JAF CITY RECORDER	05/07/2025	05/31/2025	996.00	05/25	0	65-41-115
11263	JAF CITY TREASURER	05/07/2025	05/31/2025	1,646.55	05/25	0	65-41-114
11263	JAF PAYROLL TAXES	05/07/2025	05/31/2025	1,766.04	05/25	0	65-41-130
11263	JAF BENEFITS	05/07/2025	05/31/2025	3,132.23	05/25	0	65-41-140
11263	Admin Fee	05/07/2025	05/31/2025	228.91	05/25	0	65-41-242
PROST 0425	AZ SALES TAX PROPANE	04/30/2025	05/15/2025	1,385.56	05/25	0	84-21371
WAT 0425	AZ SALES TAX WATER	04/30/2025	05/15/2025	2,224.92	05/25	0	81-21371
11265	DOJ - CARTER	05/16/2025	05/31/2025	622.41	05/25	0	63-41-310
11266	DOJ - KEITH	05/16/2025	05/31/2025	1,938.75	05/25	0	63-41-310
11269	JAF PAYROLL	05/21/2025	05/31/2025	21,705.54	05/25	0	65-41-110
11269	JAF CITY RECORDER	05/21/2025	05/31/2025	996.00	05/25	0	65-41-115
11269	JAF CITY TREASURER	05/21/2025	05/31/2025	1,646.55	05/25	0	65-41-114
11269	JAF PAYROLL TAXES	05/21/2025	05/31/2025	1,795.08	05/25	0	65-41-130
11269	JAF BENEFITS	05/21/2025	05/31/2025	8,578.76	05/25	0	65-41-140
11269	Admin Fee	05/21/2025	05/31/2025	349.67	05/25	0	65-41-242
Total TOWN OF COLORADO CITY (3930):				78,488.02			
UNIFIRST CORPORATION (4055)							
2310052428	UNIFORM LAUNDRY	04/28/2025	05/28/2025	119.12	05/25	0	65-41-260
2310053004	UNIFORM LAUNDRY	05/05/2025	06/04/2025	127.04	05/25	0	65-41-260
2310053440	UNIFORM LAUNDRY	05/12/2025	06/11/2025	103.02	05/25	0	65-41-260
2310053975	UNIFORM LAUNDRY	05/19/2025	06/18/2025	93.25	05/25	0	65-41-260

Invoice	Description	Invoice Date	Due Date	Total Cost	Period	GL Activity	GL Account
2310054500	UNIFORM LAUNDRY	05/26/2025	06/25/2025	487.35	05/25	0	65-41-260
Total UNIFIRST CORPORATION (4055):				929.78			
UPAHEAD, LLC (5947)							
AA649CC8-0	TEXT MESSAGE SERVICES - ONE YEAR	05/02/2025	05/31/2025	2,028.00	05/25	0	65-41-210
Total UPAHEAD, LLC (5947):				2,028.00			
USABlueBook (4011)							
INV0071280	chemical feed pump	05/16/2025	05/26/2025	6,488.25	05/25	0	81-41-273
Total USABlueBook (4011):				6,488.25			
UTAH STATE TAX COMMISSION (4221)							
STC 0425	SALES AND USE TAX	05/07/2025	06/06/2025	759.33	05/25	0	84-21375
Total UTAH STATE TAX COMMISSION (4221):				759.33			
WAXIE SANITARY SUPPLY (5376)							
83230547	1236 KLEENLINE SMALL CORE 2-PLY BATH TISSUE 36/1000	05/13/2025	05/31/2025	48.39	05/25	0	65-41-271
83230547	WAXIE-GREEN 8900 NO-TOUCH WHITE ROLL TOWEL 6/900	05/13/2025	05/31/2025	104.66	05/25	0	65-41-271
Total WAXIE SANITARY SUPPLY (5376):				153.05			
WCF (5336)							
8113956	WORKERS COMP. INSUR. - 80% JAF	04/01/2025	05/31/2025	456.40	05/25	0	65-41-510
8129995	WORKERS COMP. INSUR. - 80% JAF	05/01/2025	05/31/2025	456.40	05/25	0	65-41-510
Total WCF (5336):				912.80			
XPRESS BILL PAY (5646)							
INV-XPR023	Bill Pay Transactions and Account Maintenance	04/30/2025	05/31/2025	1,119.48	05/25	0	65-41-317
Total XPRESS BILL PAY (5646):				1,119.48			
ZION'S BANK (4470)							
0425 ANG	Amazon - Scissors 50% JAF	04/04/2025	05/31/2025	4.99	04/25	0	65-41-240
0425 ANG	Amazon - Clorox Wipes 50% JAF	04/04/2025	05/31/2025	14.97	04/25	0	65-41-240
0425 ANG	Amazon - Envelope adhesive bottles 50% JAF	04/04/2025	05/31/2025	8.84	04/25	0	65-41-240
0425 ANG	Amazon - Grinder Tool	04/04/2025	05/31/2025	115.31	04/25	0	82-41-260
0425 ANG	Amazon - Paper Clips	04/04/2025	05/31/2025	6.99	04/25	0	65-41-240
0425 ANG	Amazon - Power tool batteries - Sewer Dept.	04/04/2025	05/31/2025	70.18	04/25	0	82-41-260
0425 ANG	Amazon - Sewer Lagoon Boat electric motor	04/04/2025	05/31/2025	249.00	04/25	0	82-41-273
0425 ANG	Amazon - wire connector - Gas Dept.	04/04/2025	05/31/2025	124.70	04/25	0	84-41-273
0425 ANG	Amazon - Utilites Dept. Calculator	04/04/2025	05/31/2025	93.25	04/25	0	65-41-240
0425 ANG	Amazon - Trail Cam Bundle - Water Tanks & Spring Boxes	04/04/2025	05/31/2025	139.94	04/25	0	81-41-273
0425 ANG	Amazon - Wire Rope Clips - Sewer Dept	04/04/2025	05/31/2025	172.00	04/25	0	82-41-273
0425 ANG	Amazon - Socket for Water Dept.	04/04/2025	05/31/2025	31.75	04/25	0	81-41-273
0425 LT	Dixie Spin - Apartment Laundry	04/09/2025	05/31/2025	5.50	04/25	0	65-41-310
0425 LT	Dixie Spin - Apartment Laundry	04/09/2025	05/31/2025	6.00	04/25	0	65-41-310
0425 LT	Usps PO - Stamps	04/09/2025	05/31/2025	365.00	04/25	0	65-41-144
0425 MJ	Usps - Water sample shipment	04/14/2025	05/31/2025	12.65	04/25	0	81-41-314
0425 MJ	Usps - Water sample shipment	04/14/2025	05/31/2025	12.65	04/25	0	81-41-314
0425 MJ	Tractor Supply Co - Spring Boxes Maintenance	04/14/2025	05/31/2025	244.46	04/25	0	81-41-273
0425 MJ	Phillips 66 - Kb Express - Fuel to drop off water sample	04/14/2025	05/31/2025	50.00	04/25	0	81-41-257
0425 MJ	Fedex - Water sample Shipment	04/14/2025	05/31/2025	163.16	04/25	0	81-41-314

Invoice	Description	Invoice Date	Due Date	Total Cost	Period	GL Activity	GL Account
0425 NF	Tinks Superior Autoparts - Bottle Jack	04/01/2025	05/31/2025	52.30	04/25	0	84-41-273
0425 NF	American Public Gas Assoc. Conference	04/01/2025	05/31/2025	1,045.00	04/25	0	84-41-230
0425 NF	Costco - Refreshments for Crews	04/01/2025	05/31/2025	52.93	04/25	0	81-41-235
0425 NF	Rural Water Association - Water rights training - Nathan	04/01/2025	05/31/2025	345.00	04/25	0	81-41-230
0425 NF	Education & Training - Water rights testing	04/01/2025	05/31/2025	549.00	04/25	0	81-41-230
0425 NF	Costco - Cases of Water	04/01/2025	05/31/2025	262.48	04/25	0	81-41-235
0425 OS	The Bugnappers - City Hall Pest Control 50%	04/02/2025	05/31/2025	74.50	04/25	0	65-41-271
0425 OS	The Bugnappers - Utility Office Pest Control	04/02/2025	05/31/2025	199.00	04/25	0	65-41-271
0425 OS	Deq Storm Water - Water Operator - Leroy Fischer - Level 1	04/02/2025	05/31/2025	75.00	04/25	0	81-41-230
0425 OS	Rural Water Association - Water Operator - Leroy Fischer - Level 1	04/02/2025	05/31/2025	174.00	04/25	0	81-41-230
Total ZION'S BANK (4470):				4,720.55			
Grand Totals:				349,161.66			

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
May 2025

Gas Operations:

Natural Gas

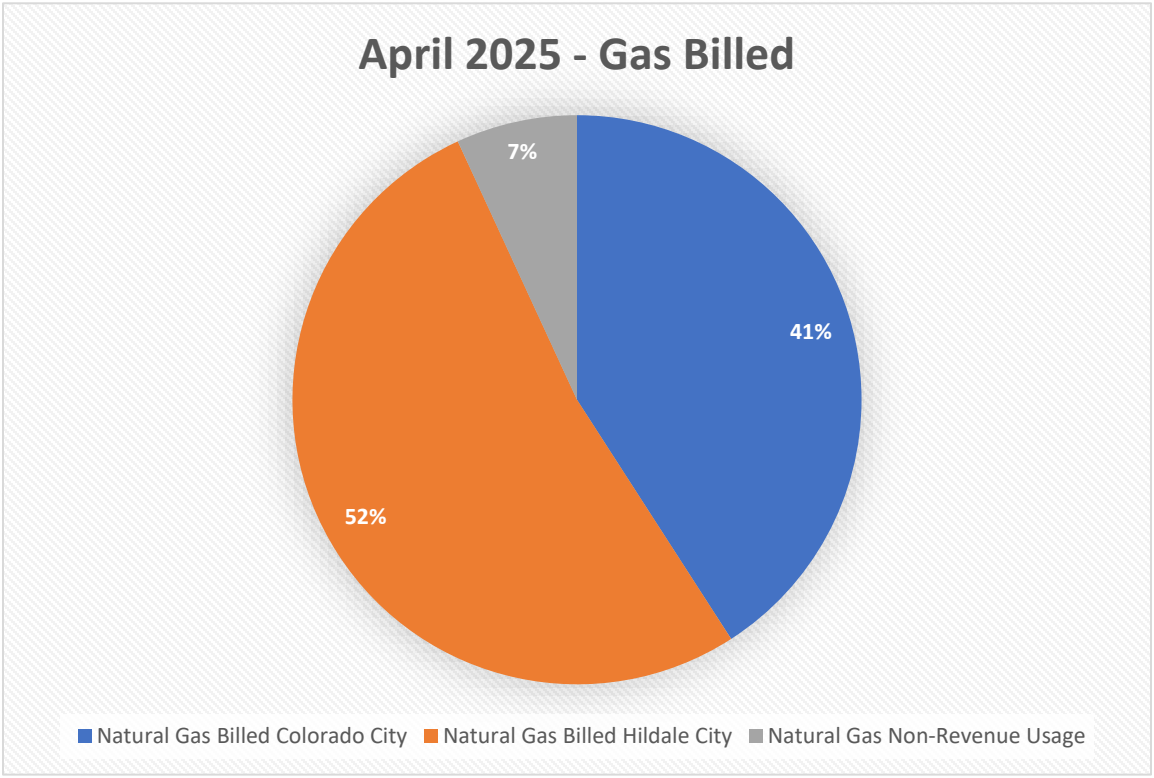
Gas staff installed 170 feet of two (2) inch gas main line on Homestead Street and Harker Avenue which will serve one (1) new customer.

Propane Gas

Staff delivered 7,954 gallons of propane to 86 customers in April.

Gas billed Colorado City and Hildale City customers for April 2025.

Description	Quantity Billed*	Number of Customers
Natural Gas Purchased	3,848,600	
Natural Gas Billed Colorado City	1,573,600	396
Natural Gas Billed Hildale City	2,010,300	318
Natural Gas Non-Revenue Usage	264,700	
*Numbers are in Corrected Cubic Feet (100 Corrected Cubic Feet = 1 Therm)		



Sewer Operations:

The Utility Crew has been installing a drainage culvert that will help divert some of the rainwater around the Sewer Lagoons. This will help maintain the capacity of the Sewer Lagoons for long term use. The water level in Pond Five (5) is eleven (11) feet deep. This is a small increase from the pond levels this time last year.

Water Operations:

We had two (2) incidents with wells this month. One of the deep wells collapsed dirt around the casing at the bottom section of the well. The Utility Team pulled the pump and motor that had failed. A Closed-Circuit Television (CCTV) Camera was put inside the well to do a visual inspection. This is when we found the cave-in. Staff requested quotes from two (2) local well drillers and contracted with the lower-cost driller, Cluff Drilling, to clean out the dirt and acid treat the formation of the well. Once the well is cleaned, a perforated steel casing will be installed at the bottom of the well and a new pump and motor installed. A few days after the first incident we had a pump go out on a small well. Staff pulled the pump and reinstalled the new pump. The well is now in operation.

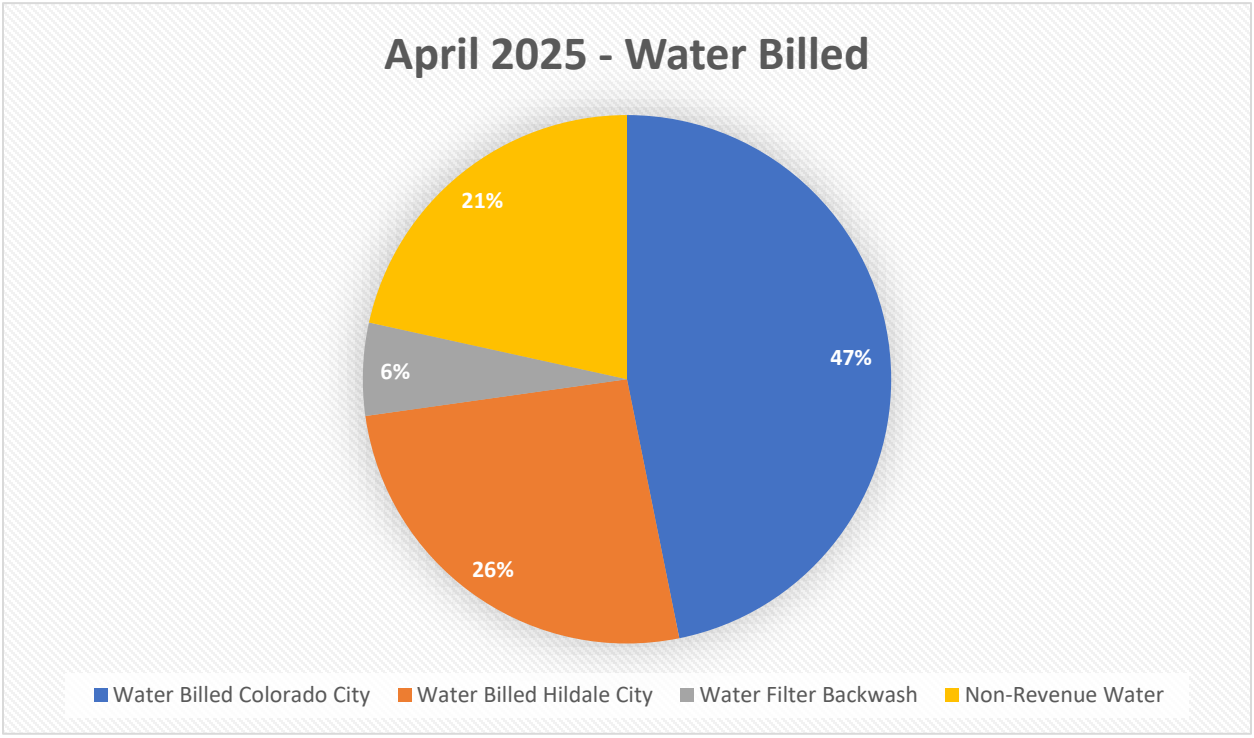
(Crew Pulling the Pump and Motor)

(Well Cleaning - Cluff Drilling)

Water billed to Colorado City and Hildale City customers for April 2025.

Description	Quantity Billed*	Number of Customers
Water Produced	33,538,000	
Water Billed Colorado City	15,705,000	831
Water Billed Hildale City	8,704,000	390
Water Filter Backwash	1,900,000	
Non-Revenue Water	7,229,000	
*Numbers are in gallons		

(Non-revenue water levels were elevated this month due to two significant operational activities that required substantial water usage outside of normal customer billing. A haystack fire in our service area required an immediate response from the local fire department. Our water system provided the necessary supply for fire suppression activities. A scheduled hydrant flow test was conducted this month to collect data for updating our hydraulic water model.)



Customer Service/Billing

Utilities Activities for April

	Total
Propane Tickets	100
Service Orders	88
Shut Off Notices	168
Shut Offs	11

Administration:

All wells and a Blending Plan have been approved by the Arizona Department of Environmental Quality (ADEQ) and the Utah Division of Drinking Water. All wells are now permitted and available to deliver culinary water to the community.

The WIFA Water Program Grant, for a $2.0 million Grant and up to $3.0 million Loan, application is being worked on by the Utility staff. There is a list of projects from the Water Master Plan and from internal reviews that are not Impact Fee eligible to submit for the $2.0 million grant. Some of the projects will be split between the WIFA Grant and the CIB Grant. Between the two (2) grants, if we are successful, most of the critical projects should be funded for the upcoming year.

The Booster Station design has been reviewed by the Utah DDW and was approved in November 2024. On December 16, 2024, Hildale received an update to the funding opportunities between the community and the Drinking Water Board Infrastructure Funding Section Manager, adding $40,550.00 to the Grant portion of

the Project Funding. With the DDW permit issued, we will have the bid documents completed by our engineer and advertise for the construction of the facility.
The award of the contract would happen in mid-June or July of 2025 dependent on the proof of ownership by the City. The new total for the Grant/Loan is $829,050.00.

The kick-off meeting for the Sewer Master Plan with Sunrise Engineering was held in May. The work has started with Sunrise collecting sewer customer data, flows, treatment, etc.

The Utility Staff are updating the Fiber Plans and adding more information on the current Utility Fiber System. After mapping, an inventory of connections and controls/switches, etc. will be conducted, and a review of costs and fees will be made for presentation to the Utility Advisory Board and the Councils. We will review the new rate structure for the Fiber and provide a fee update to the Councils. Meetings are being scheduled with SC Broadband for use of existing fiber and open conduits.

The construction of the water main and connections for the Innovation Center Water Main began in May. The project should be completed by the end of June.

The Utility Advisory Board has reviewed and recommended that the Draft Utility Budget be passed by both councils. The Chair sent a Memorandum making the recommendation on behalf of the Board in April.

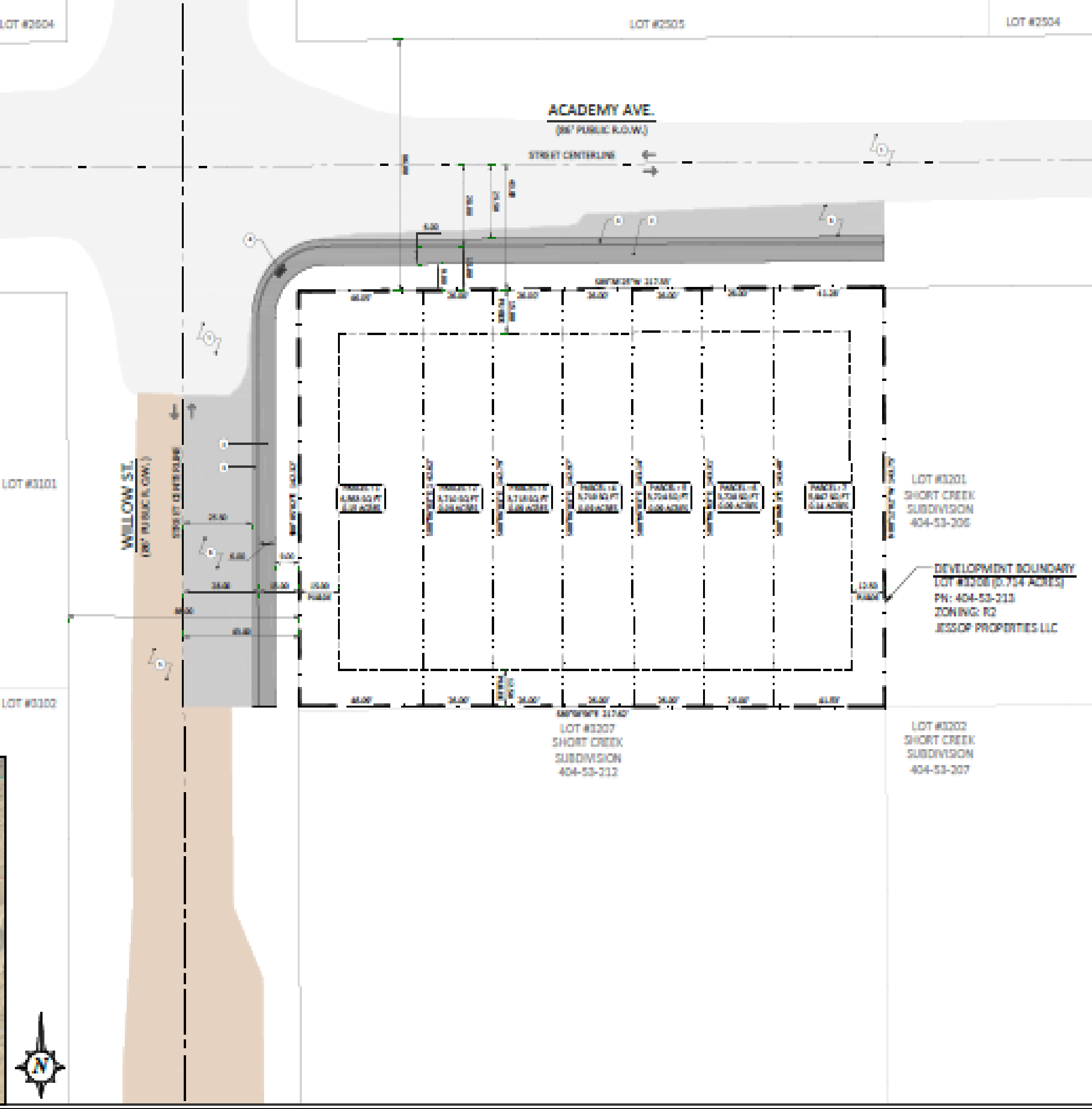
OUR MISSION Is to provide regional leadership and fiscally responsible, necessary public services so that residents can enjoy living in a healthy and safe community.

STREET LAYOUT PLAN

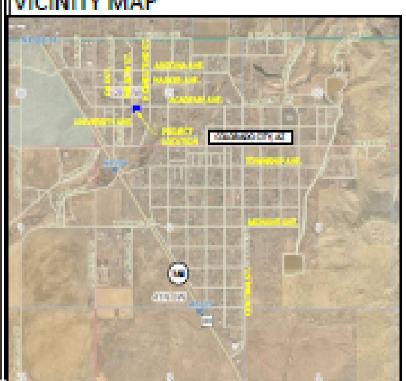
SKETCH PLAN OF

LOT #3208 SUBDIVISION

A RESIDENTIAL SUBDIVISION IN
THE SOUTHWEST QUARTER OF SECTION 31,
TOWNSHIP 42 NORTH, RANGE 6 WEST, G&SRM,
COLORADO CITY, MOHAVE COUNTY, ARIZONA



VICINITY MAP



LAND USE

KEY NOTE LEGEND

CONTACT INFORMATION

OWNER:
NOLAN JESSOP
JESSOP PROPERTIES LLC
PO BOX 205
PARSHALL, ND 58770
(702) 803-8500

DEVELOPER:
NOLAN JESSOP
JESSOP PROPERTIES LLC
PO BOX 205
PARSHALL, ND 58770
(702) 803-8500

ENGINEER:
TCT ENGINEERING
THOMAS TIMPSON
1185 W. UTAH AVE., STE. 101
HILDALE, UT 84784

LINE & SYMBOLS LEGEND

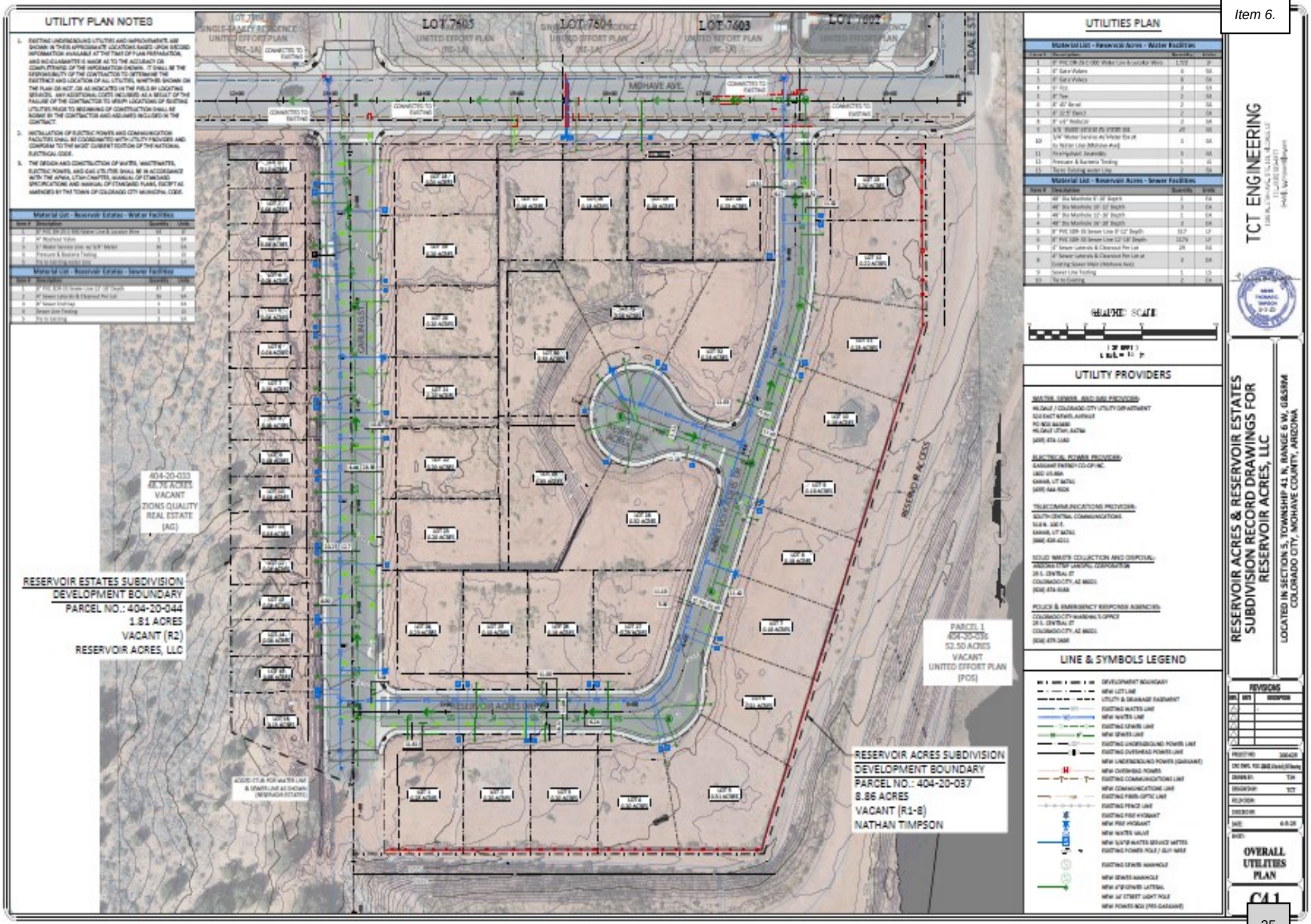
TCT ENGINEERING

PROPOSED LOT #3208 SUBDIVISION SKETCH PLAN
FOR JESSOP PROPERTIES LLC

REVISIONS

STREET LAYOUT PLAN

C1


UTILITY PLAN NOTES
1. EXISTING UNDERGROUND UTILITIES AND IMPROVEMENTS ARE SHOWN IN THESE APPROXIMATE LOCATIONS BASED UPON RECORD INFORMATION AVAILABLE AT THE TIME OF PLAN PREPARATION, AND NO GUARANTEE IS MADE AS TO THE ACCURACY OR COMPLETENESS OF THE INFORMATION SHOWN. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE THE EXISTENCE AND LOCATION OF ALL UTILITIES, WHETHER SHOWN ON THE PLAN OR NOT, OR AS INDICATED IN THE FIELD BY LOCATING SERVICES. ANY ADDITIONAL COSTS INCURRED AS A RESULT OF THE FAILURE OF THE CONTRACTOR TO VERIFY LOCATIONS OF EXISTING UTILITIES PRIOR TO BEGINNING OF CONSTRUCTION SHALL BE BORNE BY THE CONTRACTOR AND ASSUMED INCLUDED IN THE CONTRACT.
2. INSTALLATION OF ELECTRIC POWER AND COMMUNICATION FACILITIES SHALL BE COORDINATED WITH UTILITY PROVIDERS AND CONFORM TO THE MOST CURRENT EDITION OF THE NATIONAL ELECTRICAL CODE.
3. THE DESIGN AND CONSTRUCTION OF WATER, WASTEWATER, ELECTRIC POWER, AND GAS UTILITIES SHALL BE IN ACCORDANCE WITH THE APWA, UTAH CHAPTER, MANUAL OF STANDARD SPECIFICATIONS AND MANUAL OF STANDARD PLANS, EXCEPT AS AMENDED BY THE TOWN OF COLORADO CITY MUNICIPAL CODE.
Material List - Reservoir Estates - Water Facilities
Material List - Reservoir Estates - Sewer Facilities
LOT 7605
LOT 7604
LOT 7603
LOT 7602
MOHAVE AVE.
HILDALE ST
CRUNGS ST
RESERVOIR ACRES DR
404-20-033
48.76 ACRES
VACANT
ZIONS QUALITY REAL ESTATE
(AG)
RESERVOIR ESTATES SUBDIVISION
DEVELOPMENT BOUNDARY
PARCEL NO.: 404-20-044
1.81 ACRES
VACANT (R2)
RESERVOIR ACRES, LLC
PARCEL 1
404-20-036
52.50 ACRES
VACANT
UNITED EFFORT PLAN
(POS)
RESERVOIR ACRES SUBDIVISION
DEVELOPMENT BOUNDARY
PARCEL NO.: 404-20-037
8.86 ACRES
VACANT (R1-8)
NATHAN TIMPSON
UTILITIES PLAN
Material List - Reservoir Acres - Water Facilities
Material List - Reservoir Acres - Sewer Facilities
GRAPHIC SCALE
UTILITY PROVIDERS
WATER, SEWER, AND GAS PROVIDER:
HILDALE / COLORADO CITY UTILITY DEPARTMENT
ELECTRICAL POWER PROVIDER:
GARKANE ENERGY CO-OP INC.
TELECOMMUNICATIONS PROVIDER:
SOUTH CENTRAL COMMUNICATIONS
SOLID WASTE COLLECTION AND DISPOSAL:
POLICE & EMERGENCY RESPONSE AGENCIES:
LINE & SYMBOLS LEGEND
DEVELOPMENT BOUNDARY
NEW LOT LINE
UTILITY & DRAINAGE EASEMENT
EXISTING WATER LINE
NEW WATER LINE
EXISTING SEWER LINE
NEW SEWER LINE
EXISTING UNDERGROUND POWER LINE
EXISTING OVERHEAD POWER LINE
NEW UNDERGROUND POWER (GARKANE)
NEW OVERHEAD POWER
EXISTING COMMUNICATIONS LINE
NEW COMMUNICATIONS LINE
EXISTING FIBER OPTIC LINE
EXISTING FENCE LINE
EXISTING FIRE HYDRANT
NEW FIRE HYDRANT
NEW WATER VALVE
NEW 5/8"Ø WATER SERVICE METER
EXISTING POWER POLE / GUY WIRE
EXISTING SEWER MANHOLE
NEW SEWER MANHOLE
NEW 4"Ø SEWER LATERAL
NEW 30' STREET LIGHT POLE
NEW POWER BOX (PED-GARKANE)
TCT ENGINEERING
RESERVOIR ACRES & RESERVOIR ESTATES
SUBDIVISION RECORD DRAWINGS FOR
RESERVOIR ACRES, LLC
LOCATED IN SECTION 5, TOWNSHIP 41 N, RANGE 6 W, G&SRM
COLORADO CITY, MOHAVE COUNTY, ARIZONA
REVISIONS
OVERALL UTILITIES PLAN
C4.1

State of Utah

SPENCER J. COX
Governor

DEIDRE HENDERSON
Lieutenant Governor

Department of
Environmental Quality

Tim Davis
Executive Director

DIVISION OF DRINKING WATER
Nathan Lunstad, Ph.D., P.E.
Director

06/05/2025

Jerry Postema
Hildale – Colorado City
PO BOX 840490
Hildale, UT 84784

Subject: Approval, Combined Radium Blending & MCL Compliance Plan for Hildale-Colorado City; UTAH27006

This is not a plan approval for construction.

Jerry Postema:

On April 17, 2025, the Arizona Department of Environmental Quality (ADEQ) issued an Approval of Construction (AOC) permit for a blending plan intended to reduce combined radium and gross alpha particle levels in the wells serving the Hildale-Colorado City (the Supplier) drinking water system. The Utah Division of Drinking Water (the Division) concurs with this plan. This letter acts as the Division's Plan Approval (PA) for the Combined Radium Blending & MCL compliance plan for the Supplier.

The Division is the regulatory authority responsible for ensuring compliance with maximum contaminant levels, as well as monitoring and reporting requirements outlined in the Utah Administrative Code. It is the Supplier's responsibility to collect and submit all required samples to the Division.

The following sections outline the blending plan along with the corresponding monitoring and reporting requirements. For questions related to the system's source chemical requirements, please contact David Kruse at dbkruse@utah.gov or 385-566-7789.

Background

It is the Division's understanding that currently eleven wells and two springs supply the Hildale-Colorado City public water system (the System). All eleven wells feed into a common transmission line before undergoing treatment at the Wells Chlorinator & Filter Plant (identified as TP003) prior to the first service connection.

Of these wells, five of them exceed the combined radium maximum contaminant level (MCL) of 5 pCi/L. These wells include the Academy Well (WS015), Well No. 19 (WS009), Well No. 21 (WS010), Well No. 22 (WS011) and Well No. 17 (WS008).

In the absence of an approved treatment process for combined radium at the Wells Chlorinator & Filter Plant (TP003), the combined radium blending and compliance plan utilizes the most recent radionuclide data collected from each involved source on August 1, 2024 to outline an operational strategy which will allow the System to utilize all eleven wells while reducing combined radium levels to below the MCL at the entry point to the distribution system.

Blending will be achieved by running only selected wells within calendar quarters, as well as sequencing selected wells on and off. Quarterly operational strategies are described below. The System is not equipped with SCADA and only four wells (Well No. 17 (WS008), Well No. 19 (WS009), Well No. 21 (WS010) and Well No. 22 (WS011)) have variable frequency drives. Therefore, flow contributions (pumping rates) from the remaining seven wells are expected to remain consistent. Well sequencing will be completed manually.

First Quarter Winter Operational Strategy

The primary wells in use during the first quarter will be Well No. 11 (WS006), Well No. 17 (WS008), Well 4A (WS003), and Well 4B (WS013). The pumping rates will be 70 gallons per minute (gpm), 125 gpm, 95 gpm, and 12 gpm respectively. The estimated blended concentration for combined radium in the first quarter is expected to be 3.4pCi/L according to the calculation listed below.

$$\text{Blended Concentration} = ((Q_1 \cdot C_2) + (Q_2 \cdot C_2)) / (Q_1 + Q_2)$$

Where: C_1 = Flowrate of Source 1
C_2 = Flowrate of Source 2
Q_1 = Contaminant concentration of Source 1
Q_2 = Contaminant concentration of Source 2

$$3.4 \text{ pCi/L} = ((0.46 \cdot 70) + (7.5 \cdot 125) + (0.4 \cdot 95) + (0.29 \cdot 12)) / (302)$$

Second Quarter Spring Operational Strategy

The primary wells in use during the second quarter will be Well No. 10 (WS005), Well No. 11 (WS006), Well No. 19 (WS009), Well 24 (WS014), Well 4A (WS003), Well 4B (WS013) and Well 8 (WS004). The pumping rates will be 36 gpm, 70 gpm, 110 gpm, 60 gpm, 95 gpm, 12 gpm and 60 gpm respectively. The estimated blended concentration for combined radium in the second quarter is expected to be 3.9 pCi/L according to the calculation listed below.

$$3.9 \text{ pCi/L} = ((0.45 \cdot 36) + (0.46 \cdot 70) + (14.7 \cdot 110) + (0.49 \cdot 60) + (0.39 \cdot 95) + (0.29 \cdot 12) + (0.16 \cdot 60)) / (443)$$

Third Quarter Summer Operational Strategy

The primary wells in use during the third quarter will be the Academy Well (WS015), Well No. 10 (WS005), Well No. 11 (WS006), Well No. 21 (WS010), Well No. 24 (WS014), Well 4A (WS003), Well 4B (WS013) and Well No. 8 (WS004). The pumping rates will be 220 gpm, 36 gpm, 70 gpm, 90 gpm (operated at 50% of safe yield), 60 gpm, 95 gpm, 12 gpm and 60 gpm respectively. The estimated blended concentration for combined radium in the third quarter is expected to be 3.9pCi/L according to the calculation listed below.

$$3.9 \text{ pCi/L} = ((8.2 \cdot 220) + (0.45 \cdot 36) + (0.46 \cdot 70) + (6.8 \cdot 90) + (0.49 \cdot 60) + (0.39 \cdot 95) + (0.29 \cdot 12) + (0.16 \cdot 60)) / (643)$$

Peak Day Demand Operational Strategy

A peak day scenario was prepared in which all eleven wells would run at maximum safe yield. The table below presents the wells in operation, their pumping rates and combined radium concentrations. The estimated blended concentration for combined radium in the peak day season is expected to be 6.2 pCi/L.

Peak Day Demand Operation Strategy			
Well Name	Facility ID	Pumping Rate	Combined Radium Concentration (pCi/L)
Academy Well	WS015	220	8.2
Well No. 10	WS005	36	0.45
Well No. 11	WS006	70	0.46
Well No. 17	WS008	250	7.5
Well No. 19	WS009	110	14.7
Well No. 21	WS010	180	6.8
Well No. 22	WS011	94	7.8
Well No. 24	WS014	60	0.49
Well 4A	WS003	95	0.39
Well 4B	WS013	12	0.29
Well No. 8	WS004	60	0.16
Estimated Blended Concentration:			6.2

Fourth Quarter Fall Operational Strategy

The primary wells in use during the fourth quarter will be the Well No. 11 (WS006), Well No. 21 (WS010), Well No. 22 (WS011), Well 4A (WS003), Well 4B (WS013) and Well No. 8 (WS004). The pumping rates will be 70 gpm, 180 gpm, 94 gpm, 95 gpm, 12 gpm and 60 gpm respectively.

The estimated blended concentration for combined radium in the fourth quarter is expected to be 3.9 pCi/L according to the calculation listed below.

$$3.9\text{pCi/L} = \\ ((0.46 \cdot 70) + (6.8 \cdot 180) + (7.8 \cdot 94) + (0.39 \cdot 95) + (0.29 \cdot 12) + (0.16 \cdot 60)) / (511)$$

Compliance Calculations

Pursuant to R309-205-7, compliance with the combined radium MCL is based on the running annual average (RAA) of sample results collected from the Wells Chlorinator & Filter Plant (TP003). The RAA will be calculated each quarter using the most recent four quarters of sample results. The RAA will be rounded to the nearest whole number. If at any point the RAA exceeds the combined radium MCL of 5 pCi/L, the Supplier will be considered in violation of the combined radium standard and public notice will be required.

Using the estimated blended concentrations described above, the RAA is expected to remain below the combined radium MCL. The Division understands that additional wells are in the permitting process. **This blending plan shall be reevaluated prior to the issuance of an operating permit each time a new source which feeds Wells Chlorinator & Filter Plant (TP003) is developed.**

On this basis, **the blending plan as described above is hereby approved.**

Monitoring and Reporting Requirements

Issuance of this plan approval changes the Systems monitoring and reporting requirements. The monitoring and reporting requirements are described below.

1. The Supplier shall collect quarterly radionuclide samples at the following locations. These samples shall be due only if the well provides water to the distribution system in a given quarter. It is the responsibility of the System to communicate with the Division which sources did and did not run at the end of each calendar quarter.

    a. Academy Well (WS015)
    b. Well No. 17 (WS008)
    c. Well No. 19 (WS009)
    d. Well No. 21 (WS010)
    e. Well No. 22 (WS011)

2. The Supplier shall collect a radium-226, radium-228, gross alpha particle activity and combined uranium sample at the Wells Chlorinator & Filter Plant (TP003) each calendar quarter, regardless of seasonal operations.

3. The Supplier shall maintain accurate weekly water usage records, documenting gallons produced from each well, total volume of water that passes through the Wells Chlorinator & Filter Plant (TP003) and total amount of permanganate fed (units).

4. The Supplier shall submit a quarterly combined radium blending report to the Division using the enclosed template. The quarterly report is due on the 10th day following the end of each quarter (i.e. April 10, July 10, October 10, and January 10). The report should be emailed directly to dbkruse@utah.gov and ddwreports@utah.gov. Additionally, a hard copy addressed to the Chemical Rule Manager should be sent to the Division's office.

Chemical Rule Manager
Division of Drinking water
P.O. Box 144830
Salt Lake City, Utah 84114-4830

Below are the new monitoring requirements for this system. An updated monitoring schedule can be viewed at any time at waterlink.utah.gov under the water monitoring section.

Facility with new requirements	Analyte(s) Required	#Of samples	Sampling Frequency	Next Due Date	Rule Reference
TP003 Wells Chlorinator & Filter Plant	Radium-226	1	Quarterly	07/01/2025-09/30/2025	R309-205-7(1)(b) & R309-215-6(2)(a)
	Radium-228	1	Quarterly	07/01/2025-09/30/2025	R309-205-7(1)(b) & R309-215-6(2)(a)
	Gross Alpha Particle Activity	1	Quarterly	07/01/2025-09/30/2025	R309-205-7(1)(b) & R309-215-6(2)(a)
	Combined Uranium	1	Quarterly	07/01/2025-09/30/2025	R309-205-7(1)(b) & R309-215-6(2)(a)
	Iron	1	Quarterly	07/01/2025-09/30/2025	R309-215-6(2)(a)
	Manganese	1	Quarterly	07/01/2025-09/30/2025	R309-215-6(2)(a)
	Inorganics & Metals	1	Every three years	01/01/2023-12/31/2025	R309-205-5(3)(a)
	Nitrate	1	Yearly	01/01/2025-12/31/2025	R309-205-5(4)(a)
	Sulfate, Sodium, TDS	1	Every three years	01/01/2023-12/31/2025	R309-205-5(3)(a)
	Pesticides	2	Every three years	01/01/2023-12/31/2025	R309-205-6(1)(f)
	Volatile Organic Contaminants	1	Every three years	01/01/2023-12/31/2025	R309-205-6(2)
WS015 Academy Well	Radionuclides	1	Quarterly	07/01/2025-09/30/2025	R309-205-7(1)(b) & R309-215-6(2)(a)
WS008 Well No. 17	Radionuclides	1	Quarterly	07/01/2025-09/30/2025	R309-205-7(1)(b) & R309-215-6(2)(a)

WS009 Well No. 19	Radionuclides	1	Quarterly	07/01/2025-09/30/2025	R309-205-7(1)(b) & R309-215-6(2)(a)
WS010 Well No. 21	Radionuclides	1	Quarterly	07/01/2025-09/30/2025	R309-205-7(1)(b) & R309-215-6(2)(a)
WS011 Well No. 22	Radionuclides	1	Quarterly	07/01/2025-09/30/2025	R309-205-7(1)(b) & R309-215-6(2)(a)

Please contact David Kruse at 385-566-7789 or dbkruse@utah.gov for questions regarding this approval and the monitoring and reporting requirements for this system.

Please maintain a copy of this letter with your permanent records for future reference.

Thank you for all your efforts in maintaining a clean drinking water system.

Sincerely,

Mark Berger
Monitoring and Standards Implementation Manager

cc: Jerry Postema, Hildale – Colorado City, jerryp@hildalecity.com
Nathan Fischer, Hildale – Colorado City, NathanF@hildalecity.com
Jeremy Roberts, Southwest Utah Health Department, jroberts@swuhealth.gov
Paul Wright, P.E. DEQ District Engineer, pwright@utah.gov
Chad Coffey, P.E., Jones & DeMille Engineering, chad.c@jonesanddemille.com
Riley Vane, P.E., Jones & DeMille Engineering, riley.v@jonesanddemille.com
Jason Bobki, Arizona DEQ, bobko.jason@azdeq.gov
Jasmina Markovski, Ph.D., Arizona DEQ, markovski.jasmina@azdeq.gov
Nicole Rubenstein, Arizona DEQ, rubenstein.nicole@azdeq.gov
Mark Berger, Division of Drinking Water, mberger@utah.gov
Sarah Page, Ph.D., Division of Drinking Water, sepage@utah,gov
Sarah Romero, P.E., Division of Drinking Water, sarahromero@utah.gov
David Kruse, Division of Drinking Water, dbkruse@utah.gov

QUOTATION

Quote From:

Hydro Specialties Co.
14435 South Center Point Way
Bluffdale, Utah 84065

O: (801) 562-9130
F: (801) 562-9140

Quote # **45722613-1** Page: 1 of 1
Date: 6/18/2025 Date Required:
Terms: Net 30 days.
Freight: Prepaid & charge.
Taxes: If applicable, are not included.
Delivery: 2 to 4 weeks ARO.

Quote To:

City of Hildale
attn: Mitchel Jessop
435-467-2446
mitchelj@hildalecity.com

Project:

Item	Quantity	Description	Unit Price	Amount
1.	2	4" Badger M-2000 Mag Meter…	$ 2,934.00	5,868.00
		> 2M-A-040FAAC1HJBS-SAAACXWWDBABXX-NAFBM-STD-NSXX		-
		4" M-2000 mag meter; class 150 flange		-
		Carbon steel		-
		Hard rubber liner		-
		Hastelloy electrodes		-
		316 SS grounding rings		-
		meter mounted display & controller		-
		RS 232 Modbus communications		-
				-
2.	6	2" Badger M-2000 Mag Meter…	$ 2,574.00	15,444.00
		> 2M-A-020FAAC1PJBS-SAAACXWWDBABXX-NAFBM-STD-NSXX		-
		2" M-2000 mag meter; class 150 flange		-
		Carbon steel		-
		PTFE liner		-
		Hastelloy electrodes		-
		316 SS grounding rings		-
		meter mounted display & controller		-
		RS 232 Modbus communications		-
				-
3.	8	Optional Remote Mount Display / Transmitter Controller…	$ 290.53	2,324.24
		> option A - Aluminum Enclosure; IP67/Type 4X		-
		> option MB - 30 ft cable length		-
		> for each meter		-
				-
				-
				-
				-
				-
				-
				-
			Sub total	$ 23,636.24
			Freight	
			Tax	
			Total	$ 23,636.24

Notes:

Authorization:

Name: Steven Hansen
Date: 6/18/2025
Signed: Steven Hansen

ModMAG®
M-Series® | Electromagnetic Flow Meters

Electromagnetic Flow Meters

M2000

DESCRIPTION

The Badger Meter ModMAG® M2000 is the result of years of research and field use of electromagnetic flow meter technology. Based on Faraday's law of induction, these meters can measure water, wastewater, water-based fluids and other liquids that meet minimum electrical conductivity.

Designed, developed and manufactured under strict quality standards, this meter features sophisticated, processor-based signal conversion with accuracies of ±0.20% of rate ±1 mm/s. The wide selection of liner and electrode materials helps provide maximum compatibility and minimum maintenance over a long operating period.

The meter is best suited for bidirectional flow measurement of fluids with a conductivity > 5 µS/cm (> 20 µS/cm for demineralized water). The meter has high accuracy, is easy to use, and can be chosen for a wide variety of applications. The backlit, four-line display shows all actual flow measuring data, daily and complete information, including alarm messages. The standard transmitter has 4 programmable digital outputs, one digital input, power output and different interfaces. Integrated system self checkup makes putting into operation and service easier. For service purpose, the meter configuration can be kept or transferred to another meter without a new parametering via the optional back-up parameter function.

APPLICATION

The M2000 transmitter can be integrally mounted to the sensor or can be remote-mounted, if necessary and has many advantages over other conventional technologies. The meter targets a variety of applications and is well suited for the diverse water and wastewater treatment industry. The M2000 meter can accurately measure fluid flow—whether the fluid is water or a highly corrosive liquid, very viscous, contains a moderate amount of solids, or requires special handling. Today, electromagnetic meters are successfully used in industries including building automation, oil and gas, food and beverage, pharmaceutical, water and wastewater, and chemical.

STRAIGHT PIPE REQUIREMENTS

Run sufficient straight-pipe at the sensor inlet and outlet for optimum meter accuracy and performance. An equivalent of 3…7 diameters of straight pipe is required on the inlet (upstream) side to provide a stable flow profile. Two (2) diameters are required on the outlet (downstream) side.

In applications with limited space, the M2000 can be installed with zero straight pipe requirements and fulfils the accuracy according OIML R49 and MID Annex MI-001.

FEATURES

- Available in sizes 0.25…78 in. (6…2000 mm)
- Accuracy of ±0.2% of reading ±1 mm/s
- Flow Range 0.03…12 m/s
- Pulsed DC magnetic field for zero point stability
- Integral and remote signal converter availability
- Power Supply of 100…240V AC / 12…32V DC
- Corrosion-resistant liners for long life
- Zero Straight Run (0 x DN) OIML/MID
- User friendly programming procedure
- Empty pipe detection
- Power loss totalization
- Digital signal processor (32-bit)
- Non-volatile programming memory
- LCD display
- Rotating cover
- IP67 Housing
- Calibrated in state-of-the-art facilities
- Modbus® RTU or Modbus TCP/IP, HART, M-Bus, EtherNet/IP, BACnet/IP, BACnet MS/TP (BTL certification), Profibus DP
- Integrated data logger
- Verifications device
- NSF/ANSI/CAN 61 and 372 listed
- CSA / AWWA C715 certified
- BEACON®/AquaCUE® connectivity

ELECTRODES

When looking from the end of the meter into the inside bore, the two measuring electrodes are positioned at three o'clock and nine o'clock. M2000 electromagnetic meters have an "empty pipe detection" feature. This is accomplished with a third electrode positioned in the meter at twelve o'clock.

If this electrode is not covered by fluid for a minimum five-second duration, the meter displays an "empty pipe detection" condition, sends out an error message, if desired, and stops measuring to maintain accuracy. When the electrode again becomes covered with fluid, the error message disappears and the meter resumes measuring.

As an option to using grounding rings, a grounding electrode (fourth electrode) can be built into the meter during manufacturing to assure proper grounding. The position of this electrode is at six o'clock.

OPERATION

The flow meter is a stainless steel tube lined with a non-conductive material. Outside the tube, two DC powered electromagnetic coils are positioned opposing each other. Perpendicular to these coils, two electrodes are inserted into the flow tube. Energized coils create a magnetic field across the whole diameter of the pipe.

As a conductive fluid flows through the magnetic field, a voltage is induced across the electrodes. This voltage is proportional to the average flow velocity of the fluid and is measured by the two electrodes. The M2000 transmitter receives the sensor's analog signal, amplifies that signal and converts it into digital information. At the processor level, the signal is analyzed through a series of sophisticated software algorithms. After separating the signal from electrical noise, it is converted into both analog and digital signals that are used to display rate of flow and totalization.

With no moving parts in the flow stream, there is no pressure lost. Also, accuracy is not affected by temperature, pressure, viscosity or density and there is practically no maintenance required.

SPECIFICATIONS

NOTE: Permanently connected equipment requires the special considerations to satisfy the CEC and the Canadian deviations in the standard, including overcurrent and fault protection as required.

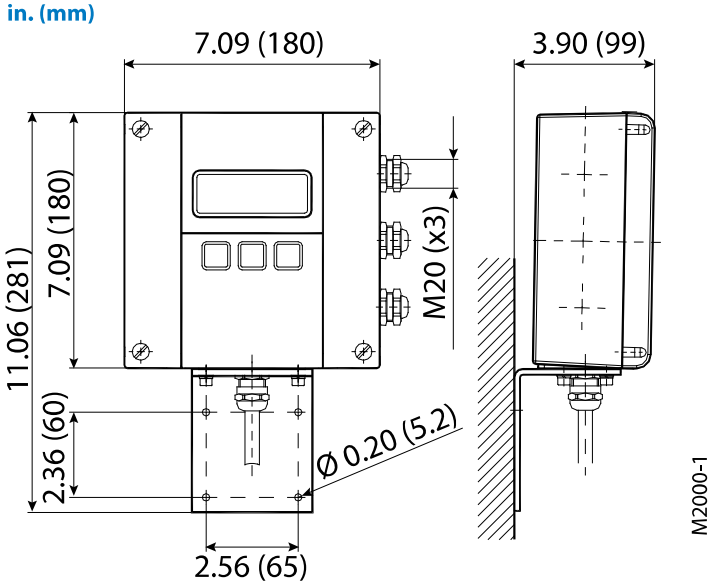
NOTE: DN represents nominal diameter in mm.

Transmitter Specifications

Flow Range	0.10…39.4 ft/s (0.03…12 m/s)
Accuracy	± 0.20% m.v. ± 1 mm/s OIML/MID: 2…32 in. (DN50…800) with 0d up and 0d downstream ±1% ≥ 0.5 ft/s (0.15 m/s)
Repeatability	± 0.1%
Power Supply	**AC Power Supply:** 100…240V AC (±10%); Typical Power: 20V A or 15W; Maximum Power: 26V A or 20W **Optional DC Power Supply:** 12…32V DC (±10%); Typical Power: 10W; Maximum Power: 14W
Analog Output	4…20 mA, 0…20 mA, 0…10 mA, 2…10 mA (programmable and scalable) Voltage sourced 24V DC isolated. Maximum loop resistance < 800 Ohms.
Digital Output	Four total, configurable 24V DC sourcing active output (up to 2),100 mA total, 50 mA each; sinking open collector output (up to four), 30V DC max, 100 mA each; solid-state relay (up to 2), 48V DC, 500 mA max, either polarity
	Absolute Digital Encoded output for connectivity to AquaCUE or BEACON cellular endpoints
Digital Input	Max 30V DC (programmable – positive zero return, external totalizer reset or preset batch start)
Frequency Output	Scalable up to 10 kHz, open collector up to 1 kHz, solid-state relay
Misc Output	High/low flow alarm (0…100% of flow), error alarm, empty pipe alarm, flow direction, preset batch alarm, 24V DC supply, ADE
Communication	RS232 Modbus RTU; RS485 Modbus RTU, HART, Profibus DP, BACnet MS/TP, Modbus TCP/IP, EtherNet/IP and BACnet/IP require separate daughterboards
Pulse Width	Scalable up to 10 kHz, passive open collector up to 10 kHz, active switched 24V DC. Up to two outputs (forward and reverse). Pulse width programmable from 1…1000 ms or 50% duty cycle.
Processing	32-bit DSP
Empty Pipe Detection	Field tunable for optimum performance based on specific application
Excitation Frequency	1 Hz, 3.75 Hz, 7.5 Hz or 15 Hz (factory optimized to pipe diameter)
Noise Dampening	Programmable 0…30 seconds
Low Flow Cut-Off	Programmable 0…10% of maximum flow
Galvanic Separation	250V
Fluid Conductivity	Minimum 5.0 µS/cm (minimum 20 µS/cm for demineralized water)
Fluid Temperature	**With Remote Transmitter:** PFA, PTFE & ETFE 302° F (150° C) **With Meter-Mounted Transmitter:** Rubber 178° F, (80° C), PFA, PTFE & ETFE 212° F (100° C)
Ambient Temperature	– 4…140° F (–20…60° C)
Relative Humidity	Up to 90 percent non-condensing

Pollution Degree	2
Installation Category	II
Altitude	8202 ft (2500 m)
Flow Direction	Unidirectional or bidirectional two separate totalizers (programmable)
Totalization	Programmable/resettable
Units of Measure	Ounce, pound, liter, US gallon, imperial gallon, barrel, hectoliter, mega gallon, cubic meter, cubic feet, acre feet
Display	4 x 20 character display with backlight
Programming	Three-button, external manual or remote
Transmitter Housing	Cast aluminum, powder-coated paint
Mounting	Meter mount or remote wall mount (bracket supplied)
Locations	Indoor and outdoor
Meter Enclosure Classification	**Standard:** NEMA 4X (IP67); **Optional:** Submersible NEMA 6P (IP68) depth of 2 m for 72 hr), remote transmitter required
Junction Box Enclosure Protection	For remote transmitter option: powder-coated die-cast aluminum, NEMA 4 (IP67)
Cable Entries	M20 cable glands (3)
Optional Stainless Steel Grounding Rings	**Meter Size** / **Thickness of one ring** / **Thickness of one ring (DIN Flanges)** Up through 10 in. / 0.135 in. (3.429 mm) / 0.12 in. (3 mm) 12…78 in. / 0.187 in. (4.750 mm) / 0.12 in. (3 mm)
NSF/ANSI/CAN 61 and 372 Listed WRAS, ACS, KTW	Models with hard rubber liner, 4 in. size and larger; PTFE liner, all sizes WRAS (hard rubber), ACS (PTFE), KTW (PTFE)
OIML R49-1 MID MI-001 AWWA C715 MCERT	Size range: DN50…800 / 2…28 in. Minimum straight inlet flow: 0 DN /outlet flow: 0 DN Forward and reverse (bi-directional) flow on any orientation Ratio (Q3/Q1) up to 250 Accuracy Class 1 and Class 2
Token Features	Data Logging (Blue token); Store/Restore (Red token); Firmware Upgrade (Black token)

M2000 Transmitter Dimensions in. (mm)



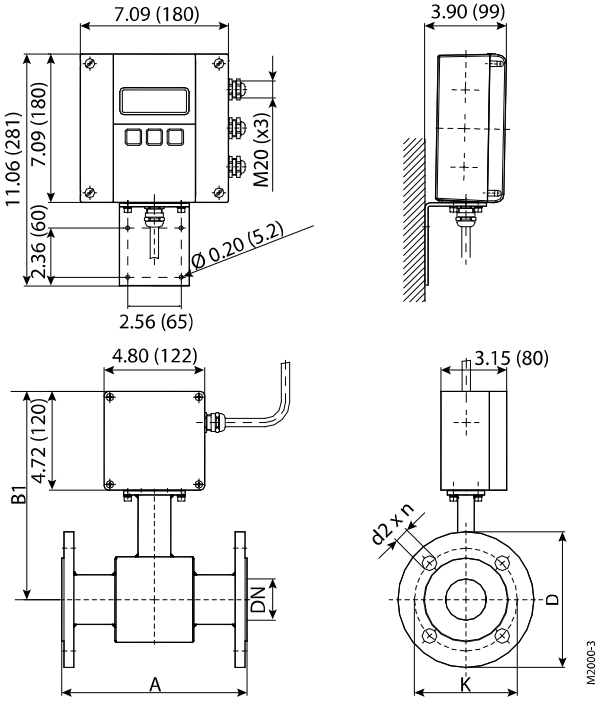
Sensor Type II Specifications

The electromagnetic sensor type II is not only available in a number of different flange process connections (DIN, ANSI, JIS, AWWA) but also in a number of liners like hard rubber, PTFE, PFA or ETFE. The sensor is configurable with up to 4 electrodes for measuring, empty pipe and grounding electrodes. Available in sizes from DN 6 TO DN 2000 and nominal pressures up to PN 100, the sensor type II is best suited for a variety of applications in the industry and the water/waste water industry.

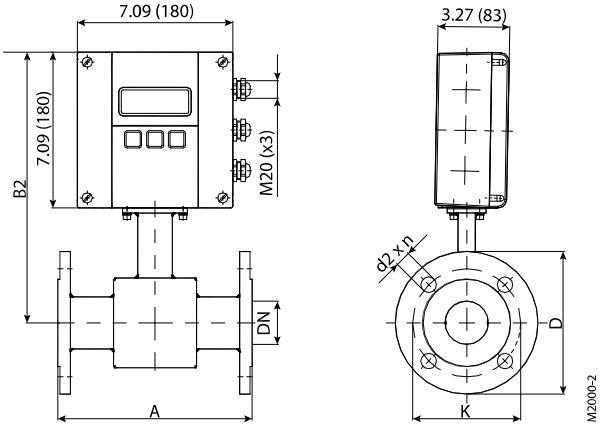
Size	1/4…78 in. (DN 6…2000)		
Flanges	**Standard:** ANSI B16.5, AWWA, ISO 1092-1, JIS and more in carbon steel; **Optional:** 304 or 316 stainless steel		
Nominal Pressure	Up to 1450 psi (100 bar)		
Pressure Rating	Line sizes 1/4…24 in: In accordance with ASME B16.5 Class 150 or Flange Rating Class 300 Line sizes 26…78 in: AWWA C-207 Class D or Class E Flange Rating		
Protection Class	NEMA 4X (IP67), optional NEMA 6P (IP68)		
Minimum Conductivity	5 µS/cm (20 µS/cm for demineralized water)		
Liner Material	Hard rubber	1…78 in. (DN 25…2000)	32…176° F (0…80° C)
	PTFE	1/2…24 in. (DN 15…600)	–40…302° F (–40…150° C)
	ETFE	12 in. (DN 300) and larger	–40…302° F (–40…150° C)
	PFA	1/4…3/8 in. (DN 6…10)	—
Housing	**Standard:** Carbon steel welded; **Optional:** 316 or 304 stainless steel		
Electrode Materials	**Standard:** Hastelloy C22; **Optional:** 316 stainless steel, gold/platinum plated, tantalum, platinum/rhodium		
Lay Length	1/4…3/4 in. (DN 6…20)	6.7 in. (170 mm)	
	1…2 in. (DN 25…50)	8.9 in. (225 mm)	
	2-1/2…4 in. (DN 65…100)	11.0 in. (280 mm)	
	5…8 in. (DN 125…200)	15.8 in. (400 mm)	
	10…14 in. (DN 250…350)	19.7 in. (500 mm)	
	16…28 in. (DN 400…700)	23.6 in. (600 mm)	
	30…40 in. (DN 750…1000)	31.5 in. (800 mm)	
	48…56 in. (DN 1200…1400)	39.4 in. (1000 mm)	
	64 in. (DN 1600)	63.0 in. (1600 mm)	
	72 in. (DN1800)	70.9 in. (1800 mm)	
	78 in. (DN2000)	78.7 in. (2000 mm)	

Sensor Type II Dimensions

Remote Version in. (mm)



Mounted Version in. (mm)



IMPORTANT: *Flange Sizes ≤ 24 in., Standard: ANSI B16.5 Class 150 RF forged carbon steel; Optional: 300 lb forged carbon steel, 316 or 304 stainless steel*
Flange Sizes > 24 in., Standard: AWWA Class D Flanges RF forged carbon steel

Flange ANSI Class 150
Up to 24 in. ASME B16.5 / > 24 in. AWWA Class D (ASME 16.47)

Size DN		A Standard		A ISO*		B1		B2		D		K		d2 x n	
inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm
1/4	6	6.7	170	—	—	9.0	228	11.3	288	3.5	89	2.4	61	0.6 × 4	16 × 4
5/16	8	6.7	170	—	—	9.0	228	11.3	288	3.5	89	2.4	61	0.6 × 4	16 × 4
3/8	10	6.7	170	—	—	9.0	228	11.3	288	3.5	89	2.4	61	0.6 × 4	16 × 4
1/2	15	6.7	170	7.9	200	9.4	238	11.7	298	3.5	89	2.4	61	0.6 x 4	16 x 4
3/4	20	6.7	170	7.9	200	9.4	238	11.7	298	3.9	99	2.8	71	0.6 x 4	16 x 4
1	25	8.9	225	7.9	200	9.4	238	11.7	298	4.3	109	3.1	79	0.6 x 4	16 x 4
1-1/4	32	8.9	225	7.9	200	10.0	253	12.3	313	4.6	117	3.5	89	0.6 x 4	16 x 4
1-1/2	40	8.9	225	7.9	200	10.0	253	12.3	313	5.0	127	3.9	99	0.6 x 4	16 x 4
2	50	8.9	225	7.9	200	10.0	253	12.3	313	6.0	152	4.8	122	0.8 x 4	19 x 4
2-1/2	65	11.0	280	7.9	200	10.7	271	13.0	331	7.0	178	5.5	140	0.8 x 4	19 x 4
3	80	11.0	280	7.9	200	10.7	271	13.0	331	7.5	191	6.0	152	0.8 x 4	19 x 4
4	100	11.0	280	9.8	250	10.9	278	13.3	338	9.0	229	7.5	191	0.8 x 8	19 x 8
5	125	15.7	400	9.8	250	11.7	298	14.1	358	10.0	254	8.5	216	0.9 x 8	22 x 8
6	150	15.7	400	11.8	300	12.2	310	14.6	370	11.0	279	9.5	241	0.9 x 8	22 x 8
8	200	15.7	400	13.8	350	13.3	338	15.7	398	13.5	343	11.8	300	0.9 x 8	22 x 8
10	250	19.7	500	17.7	450	14.3	362	16.6	422	16.0	406	14.3	363	1.0 x 12	25 x 12
12	300	19.7	500	19.7	500	16.7	425	19.1	485	19.0	483	17.0	432	1.0 x 12	25 x 12
14	350	19.7	500	21.7	550	17.7	450	20.1	510	21.0	533	18.8	478	1.1 x 12	28 x 12
16	400	23.6	600	23.6	600	18.7	475	21.1	535	23.5	597	21.3	541	1.1 x 16	28 x 16
18	450	23.6	600	23.6	600	19.7	500	22.0	560	25.0	635	22.8	579	1.3 x 16	32 x 16
20	500	23.6	600	23.6	600	20.7	525	23.0	585	27.5	699	25.0	635	1.3 x 20	32 x 20
24	600	23.6	600	23.6	600	23.1	588	25.5	648	32.0	813	29.5	749	1.4 x 20	35 x 20
28	700	23.6	600	27.6	700	24.6	625	27.0	685	36.5	927	34.0	864	1.4 x 28	35 x 28
30	750	31.5	800	29.5	750	25.6	650	28.0	710	38.8	986	36.0	914	1.4 x 28	35 x 28
32	800	31.5	800	31.5	800	26.9	683	29.3	743	41.8	1062	38.5	978	1.6 x 28	41 x 28
36	900	31.5	800	35.4	900	28.5	725	30.9	785	46.0	1168	42.8	1087	1.6 x 32	41 x 32
40	1000	31.5	800	39.4	1000	31.1	790	33.5	850	50.8	1290	47.3	1201	1.6 x 36	41 x 36
42	1050	39.4	1000	41.3	1050	32.5	825	34.8	885	53.0	1346	49.5	1257	1.6 x 36	41 x 36
48	1200	39.4	1000	47.2	1200	35.4	900	37.8	960	59.5	1511	56.0	1422	1.6 x 44	41 x 44
54	1350	39.4	1000	53.1	1350	38.4	975	40.7	1035	66.3	1684	62.8	1595	1.9 x 44	48 x 44
56	1400	39.4	1000	55.1	1400	39.4	1000	41.7	1060	68.8	1748	65.0	1651	1.9 x 48	48 x 48
Other sizes on request															

IMPORTANT: ISO* sensor lay length according to ISO 20456

Flange ANSI Class 300 ASME B16.5

Size DN		A Standard		A ISO*		B1		B2		D		K		d2 x n	
inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm
1/2	15	6.7	170	7.9	200	9.4	238	11.7	298	3.8	95	2.6	67	0.6 x 4	16 x 4
3/4	20	6.7	170	7.9	200	9.4	238	11.7	298	4.6	117	3.3	83	0.8 x 4	19 x 4
1	25	8.9	225	7.9	200	9.4	238	11.7	298	4.9	124	3.5	89	0.8 x 4	19 x 4
1-1/4	32	8.9	225	7.9	200	10.0	253	12.3	313	5.3	133	3.9	99	0.8 x 4	19 x 4
1-1/2	40	8.9	225	7.9	200	10.0	253	12.3	313	6.1	155	4.5	114	0.9 x 4	22 x 4
2	50	8.9	225	7.9	200	10.0	253	12.3	313	6.5	165	5.0	127	0.8 x 8	19 x 8
2-1/2	65	11.0	280	7.9	200	10.7	271	13.0	331	7.5	191	5.9	149	0.9 x 8	22 x 8
3	80	11.0	280	7.9	200	10.7	271	13.0	331	8.3	210	6.6	168	0.9 x 8	22 x 8
4	100	11.0	280	9.8	250	10.9	278	13.3	338	10.0	254	7.9	200	0.9 x 8	22 x 8
5	125	15.7	400	9.8	250	11.7	298	14.1	358	11.0	279	9.3	235	0.9 x 8	22 x 8
6	150	15.7	400	11.8	300	12.2	310	14.6	370	12.5	318	10.6	270	0.9 x 12	22 x 12
8	200	15.7	400	13.8	350	13.3	338	15.7	398	15.0	381	13.0	330	1.0 x 12	25 x 12
10	250	19.7	500	17.7	450	14.3	362	16.6	422	17.5	445	15.3	387	1.1 x 16	28 x 16
12	300	19.7	500	19.7	500	16.7	425	19.1	485	20.5	521	17.8	451	1.3 x 16	32 x 16
14	350	19.7	500	21.7	550	17.7	450	20.1	510	23.0	584	20.3	514	1.3 x 20	32 x 20
16	400	23.6	600	23.6	600	18.7	475	21.1	535	25.5	648	22.5	572	1.4 x 20	35 x 20
18	450	23.6	600	23.6	600	19.7	500	22.0	560	28.0	711	24.8	629	1.4 x 24	35 x 24
20	500	23.6	600	23.6	600	20.7	525	23.0	585	30.5	775	27.0	686	1.4 x 24	35 x 24
24	600	23.6	600	23.6	600	23.1	588	25.5	648	36.0	914	32.0	813	1.6 x 24	41 x 24
Other sizes on request															

IMPORTANT: ISO* sensor lay length according to ISO 20456

Flange EN 1092-1 / PN 10

Size DN		A Standard		A ISO*		B1		B2		D		K		d2 x n	
inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm
8	200	15.7	400	13.8	350	13.3	338	15.7	398	13.4	340	11.6	295	0.9 x 8	22 x 8
10	250	19.7	500	17.7	450	14.3	362	16.6	422	15.6	395	13.8	350	0.9 x 12	22 x 12
12	300	19.7	500	19.7	500	16.7	425	19.1	485	17.5	445	15.7	400	0.9 x 12	22 x 12
14	350	19.7	500	21.7	550	17.7	450	20.1	510	19.9	505	18.1	460	0.9 x 16	22 x 16
16	400	23.6	600	23.6	600	18.7	475	21.1	535	22.2	565	20.3	515	1.0 x 16	26 x 16
18	450	23.6	600	23.6	600	19.7	500	22.0	560	24.2	615	22.2	565	1.0 x 20	26 x 20
20	500	23.6	600	23.6	600	20.7	525	23.0	585	26.4	670	24.4	620	1.0 x 20	26 x 20
24	600	23.6	600	23.6	600	23.1	588	25.5	648	30.7	780	28.5	725	1.2 x 20	30 x 20
28	700	23.6	600	27.6	700	24.6	625	27.0	685	35.2	895	33.1	840	1.2 x 24	30 x 24
32	800	31.5	800	31.5	800	26.9	683	29.3	743	40.0	1015	37.4	950	1.3 x 24	33 x 24
36	900	31.5	800	35.4	900	28.5	725	30.9	785	43.9	1115	41.3	1050	1.3 x 28	33 x 28
40	1000	31.5	800	39.4	1000	31.1	790	33.5	850	48.4	1230	45.7	1160	1.4 x 28	36 x 28
48	1200	39.4	1000	47.2	1200	35.4	900	37.8	960	57.3	1455	54.3	1380	1.5 x 32	39 x 32
56	1400	39.4	1000	55.1	1400	39.4	1000	41.7	1060	65.9	1675	62.6	1590	1.7 x 36	42 x 36
Other sizes on request															

IMPORTANT: ISO* sensor lay length according to ISO 20456

Flange EN 1092-1 / PN 16

Size DN		A Standard		A ISO*		B1		B2		D		K		d2 x n	
inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm
1/4	6	6.7	170	—	—	9.0	228	11.3	288	3.5	90	2.4	60	0.6 x 4	14 x 4
5/16	8	6.7	170	—	—	9.0	228	11.3	288	3.5	90	2.4	60	0.6 x 4	14 x 4
3/8	10	6.7	170	—	—	9.0	228	11.3	288	3.5	90	2.4	60	0.6 x 4	14 x 4
1/2	15	6.7	170	7.9	200	9.4	238	11.7	298	3.7	95	2.6	65	0.6 x 4	14 x 4
3/4	20	6.7	170	7.9	200	9.4	238	11.7	298	4.1	105	3.0	75	0.6 x 4	14 x 4
1	25	8.9	225	7.9	200	9.4	238	11.7	298	4.5	115	3.3	85	0.6 x 4	14 x 4
1-1/4	32	8.9	225	7.9	200	10.0	253	12.3	313	5.5	140	3.9	100	0.7 x 4	18 x 4
1-1/2	40	8.9	225	7.9	200	10.0	253	12.3	313	5.9	150	4.3	110	0.7 x 4	18 x 4
2	50	8.9	225	7.9	200	10.0	253	12.3	313	6.5	165	4.9	125	0.7 x 4	18 x 4
2-1/2	65	11.0	280	7.9	200	10.7	271	13.0	331	7.3	185	5.7	145	0.7 x 8	18 x 8
3	80	11.0	280	7.9	200	10.7	271	13.0	331	7.9	200	6.3	160	0.7 x 8	18 x 8
4	100	11.0	280	9.8	250	10.9	278	13.3	338	8.7	220	7.1	180	0.7 x 8	18 x 8
5	125	15.7	400	9.8	250	11.7	298	14.1	358	9.8	250	8.3	210	0.7 x 8	18 x 8
6	150	15.7	400	11.8	300	12.2	310	14.6	370	11.2	285	9.4	240	0.9 x 8	22 x 8
8	200	15.7	400	13.8	350	13.3	338	15.7	398	13.4	340	11.6	295	0.9 x 12	22 x 12
10	250	19.7	500	17.7	450	14.3	362	16.6	422	15.9	405	14.0	355	1.0 x 12	26 x 12
12	300	19.7	500	19.7	500	16.7	425	19.1	485	18.1	460	16.1	410	1.0 x 12	26 x 12
14	350	19.7	500	21.7	550	17.7	450	20.1	510	20.5	520	18.5	470	1.0 x 16	26 x 16
16	400	23.6	600	23.6	600	18.7	475	21.1	535	22.8	580	20.7	525	1.2 x 16	30 x 16
18	450	23.6	600	23.6	600	19.7	500	22.0	560	25.2	640	23.0	585	1.2 x 20	30 x 20
20	500	23.6	600	23.6	600	20.7	525	23.0	585	28.1	715	25.6	650	1.3 x 20	33 x 20
24	600	23.6	600	23.6	600	23.1	588	25.5	648	33.1	840	30.3	770	1.4 x 20	36 x 20
28	700	23.6	600	27.6	700	24.6	625	27.0	685	35.8	910	33.1	840	1.4 x 24	36 x 24
32	800	31.5	800	31.5	800	26.9	683	29.3	743	40.4	1025	37.4	950	1.5 x 24	39 x 24
36	900	31.5	800	35.4	900	28.5	725	30.9	785	44.3	1125	41.3	1050	1.5 x 28	39 x 28
40	1000	31.5	800	39.4	1000	31.1	790	33.5	850	49.4	1255	46.1	1170	1.7 x 28	42 x 28
48	1200	39.4	1000	47.2	1200	35.4	900	37.8	960	58.5	1485	54.7	1390	1.9 x 32	48 x 32
56	1400	39.4	1000	55.1	1400	39.4	1000	41.7	1060	66.3	1685	62.6	1590	1.9 x 36	48 x 36
Other sizes on request															

IMPORTANT: ISO* sensor lay length according to ISO 20456

Flange EN 1092-1 / PN 25

Size DN		A Standard		A ISO*		B1		B2		D		K		d2 x n	
inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm
1/2	15	6.7	170	7.9	200	9.4	238	11.7	298	3.7	95	2.6	65	0.6 x 4	14 x 4
3/4	20	6.7	170	7.9	200	9.4	238	11.7	298	4.1	105	3.0	75	0.6 x 4	14 x 4
1	25	8.9	225	7.9	200	9.4	238	11.7	298	4.5	115	3.3	85	0.6 x 4	14 x 4
1-1/4	32	8.9	225	7.9	200	10.0	253	12.3	313	5.5	140	3.9	100	0.7 x 4	18 x 4
1-1/2	40	8.9	225	7.9	200	10.0	253	12.3	313	5.9	150	4.3	110	0.7 x 4	18 x 4
2	50	8.9	225	7.9	200	10.0	253	12.3	313	6.5	165	4.9	125	0.7 x 4	18 x 4
2-1/2	65	11.0	280	7.9	200	10.7	271	13.0	331	7.3	185	5.7	145	0.7 x 4	18 x 8
3	80	11.0	280	7.9	200	10.7	271	13.0	331	7.9	200	6.3	160	0.7 x 8	18 x 8
4	100	11.0	280	9.8	250	10.9	278	13.3	338	9.3	235	7.5	190	0.9 x 8	22 x 8
5	125	15.7	400	9.8	250	11.7	298	14.1	358	10.6	270	8.7	220	1.0 x 8	26 x 8
6	150	15.7	400	11.8	300	12.2	310	14.6	370	11.8	300	9.8	250	1.0 x 8	26 x 8
8	200	15.7	400	13.8	350	13.3	338	15.7	398	14.2	360	12.2	310	1.0 x 8	26 x 12
10	250	19.7	500	17.7	450	14.3	362	16.6	422	16.7	425	14.6	370	1.2 x 12	30 x 12
12	300	19.7	500	19.7	500	16.7	425	19.1	485	19.1	485	16.9	430	1.2 x 12	30 x 16
14	350	19.7	500	21.7	550	17.7	450	20.1	510	21.9	555	19.3	490	1.3 x 16	33 x 16
16	400	23.6	600	23.6	600	18.7	475	21.1	535	24.4	620	21.7	550	1.4 x 16	36 x 16
18	450	23.6	600	23.6	600	19.7	500	22.0	560	26.4	670	23.6	600	1.4 x 20	36 x 20
20	500	23.6	600	23.6	600	20.7	525	23.0	585	28.7	730	26.0	660	1.4 x 20	36 x 20
24	600	23.6	600	23.6	600	23.1	588	25.5	648	33.3	845	30.3	770	1.5 x 20	39 x 20
28	700	23.6	600	27.6	700	24.6	625	27.0	685	37.8	960	34.4	875	1.7 x 24	42 x 24
32	800	31.5	800	31.5	800	26.9	683	29.3	743	42.7	1085	39.0	990	1.9 x 24	48 x 24
36	900	31.5	800	35.4	900	28.5	725	30.9	785	46.7	1185	42.9	1090	1.9 x 28	48 x 28
40	1000	31.5	800	39.4	1000	31.1	790	33.5	850	52.0	1320	47.6	1210	2.2 x 28	56 x 28
Other sizes on request															

IMPORTANT: ISO* sensor lay length according to ISO 20456

Flange EN 1092-1 / PN 40

Size DN		A Standard		A ISO*		B1		B2		D		K		d2 x n	
inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm
1/2	15	6.7	170	7.9	200	9.4	238	11.7	298	3.7	95	2.6	65	0.6 x 4	14 x 4
3/4	20	6.7	170	7.9	200	9.4	238	11.7	298	4.1	105	3.0	75	0.6 x 4	14 x 4
1	25	8.9	225	7.9	200	9.4	238	11.7	298	4.5	115	3.3	85	0.6 x 4	14 x 4
1-1/4	32	8.9	225	7.9	200	10.0	253	12.3	313	5.5	140	3.9	100	0.7 x 4	18 x 4
1-1/2	40	8.9	225	7.9	200	10.0	253	12.3	313	5.9	150	4.3	110	0.7 x 4	18 x 4
2	50	8.9	225	7.9	200	10.0	253	12.3	313	6.5	165	4.9	125	0.7 x 4	18 x 4
2-1/2	65	11.0	280	7.9	200	10.7	271	13.0	331	7.3	185	5.7	145	0.7 x 4	18 x 8
3	80	11.0	280	7.9	200	10.7	271	13.0	331	7.9	200	6.3	160	0.7 x 8	18 x 8
4	100	11.0	280	9.8	250	10.9	278	13.3	338	9.3	235	7.5	190	0.9 x 8	22 x 8
5	125	15.7	400	9.8	250	11.7	298	14.1	358	10.6	270	8.7	220	1.0 x 8	26 x 8
6	150	15.7	400	11.8	300	12.2	310	14.6	370	11.8	300	9.8	250	1.0 x 8	26 x 8
8	200	15.7	400	13.8	350	13.3	338	15.7	398	14.8	375	12.6	320	1.2 x 8	30 x 12
10	250	19.7	500	17.7	450	14.3	362	16.6	422	17.7	450	15.2	385	1.3 x 12	33 x 12
12	300	19.7	500	19.7	500	16.7	425	19.1	485	20.3	515	17.7	450	1.3 x 12	33 x 16
14	350	19.7	500	21.7	550	17.7	450	20.1	510	22.8	580	20.1	510	1.4 x 16	36 x 16
16	400	23.6	600	23.6	600	18.7	475	21.1	535	26.0	660	23.0	585	1.5 x 16	39 x 16
18	450	23.6	600	23.6	600	19.7	500	22.0	560	27.0	685	24.0	610	1.5 x 20	39 x 20
20	500	23.6	600	23.6	600	20.7	525	23.0	585	29.7	755	26.4	670	1.7 x 20	42 x 20
24	600	23.6	600	23.6	600	23.1	588	25.5	648	35.0	890	31.3	795	1.9 x 20	48 x 20
Other sizes on request															

IMPORTANT: ISO* sensor lay length according to ISO 20456

Weight and Flow Range

Size		Estimated Weight with M2000	Flow Range	
in.	DN	lb (kg)	US	Metric
1/4	6	8 (3.5)	0.0134…5.4 GPM	0.051…20.4 l/min
5/16	8	8 (3.5)	0.0239…9.6 GPM	0.09…36.2 l/min
3/8	10	8 (3.5)	0.0373…14.9 GPM	0.141…57 l/min
1/2	15	10 (4.5)	0.084…33.6 GPM	0.318…127 l/min
3/4	20	10 (4.5)	0.149…60 GPM	0.57…226 l/min
1	25	11 (5)	0.233…93 GPM	0.88…353 l/min
1-1/4	32	13 (6)	0.382…153 GPM	1.45…579 l/min
1-1/2	40	15.5 (7)	0.6…239 GPM	2.26…905 l/min
2	50	19 (8.5)	0.93…373 GPM	3.53…1,414 l/min
2-1/2	65	27.5 (12.5)	1.58…631 GPM	0.358…143 m^3/h
3	80	31 (14)	2.39…956 GPM	0.54…217 m^3/h
4	100	42 (19)	3.73…1,494 GPM	0.85…339 m^3/h
5	125	53 (24)	5.8…2,334 GPM	1.33…530 m^3/h
6	150	60.5 (27.5)	8.4…3,361 GPM	1.91…763 m^3/h
8	200	87 (39.5)	14.9…5,975 GPM	3.39…1,357 m^3/h
10	250	129 (58.5)	23.3…9,336 GPM	5.3…2,121 m^3/h
12	300	204 (92.5)	33.6…13,444 GPM	7.6…3,054 m^3/h
14	350	262 (119)	45.7…18,299 GPM	10.4…4,156 m^3/h
16	400	344 (156)	60…23,901 GPM	13.6…5,429 m^3/h
18	450	397 (180)	76…30,250 GPM	17.2…6,870 m^3/h
20	500	470 (213)	93…37,345 GPM	21.2…8,482 m^3/h
22	550	549 (249)	113…45,188 GPM	25.7…10,263 m^3/h
24	600	617 (280)	134…53,777 GPM	30.5…12,214 m^3/h
28	700	—	183…73,197 GPM	41.6…16,625 m^3/h
30	750	930 (422)	210…84,027 GPM	47.7…19,085 m^3/h
32	800	1171 (531)	239…95,604 GPM	54.3…21,714 m^3/h
36	900	1378 (625)	302…120,999 GPM	69…27,482 m^3/h
40	1000	—	373…149,381 GPM	85…33,928 m^3/h
48	1200	1788 (811)	538…215,109 GPM	122…48,857 m^3/h
56	1400	—	732…292,787 GPM	166…66,499 m^3/h
60	1500	2112 (958)	840…336,108 GPM	191…76,338 m^3/h
64	1600	2339 (1061)	956…382,416 GPM	217…86,856 m^3/h
72	1800	3219 (1460)	1210…483,996 GPM	275…109,927 m^3/h
78	2000	4101 (1860)	1494…597,525 GPM	339…135,713 m^3/h

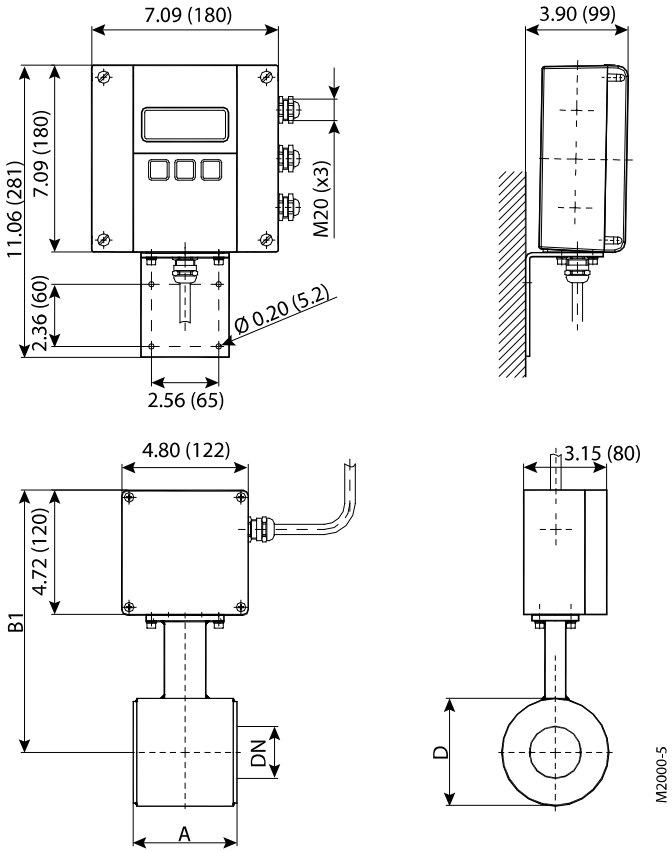
Sensor Type III Specifications

Thanks to its very short lay length, the sensor type III is often the right alternative to a lot of applications. Delivered with a PTFE liner, the sensor type III has a standard nominal pressure of PN 40.

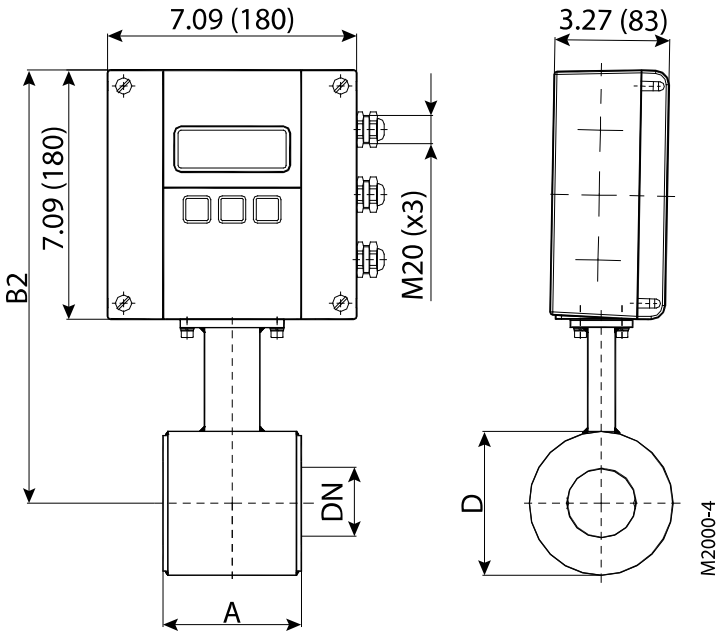
Size	1…4 in. (DN 25…100)	
Process Connection	Wafer connection (in-between flange mounting)	
Nominal Pressure	580 psi (40 bar)	
Protection Class	NEMA 4X (IP67), optional NEMA 6P (IP68)	
Minimum Conductivity	5 µS/cm (20 µS/cm for demineralized water)	
Liner Materials	PTFE	
Electrode Material	Hastelloy C (Standard), Tantal, Platinum / Gold Plated, Platinum / Rhodium	
Housing	Carbon Steel / optional stainless steel	
Lay Length	1…2 in. (DN 25…50)	4 in. (100 mm)
	2-1/2…4 in. (DN 65…100)	6 in. (150 mm)

Sensor Type III Dimensions

Remote Version
in. (mm)



Mounted Version
in. (mm)



in.	DN	A	B1	B2	D
1	25	3.94 (100)	9.37 (238)	7.24 (184)	2.91 (74)
1-1/4	32	3.94 (100)	9.57 (243)	7.44 (189)	3.31 (84)
1-1/2	40	3.94 (100)	9.76 (248)	7.64 (194)	3.70 (94)
2	50	3.94 (100)	9.96 (253)	7.83 (199)	4.09 (104)
2-1/2	65	5.91 (150)	10.47 (266)	8.35 (212)	5.08 (129)
3	80	5.91 (150)	10.67 (271)	8.54 (217)	5.51 (140)
4	100	5.91 (150)	10.98 (279)	8.86 (225)	6.14 (156)
580 psi (40 bar)					

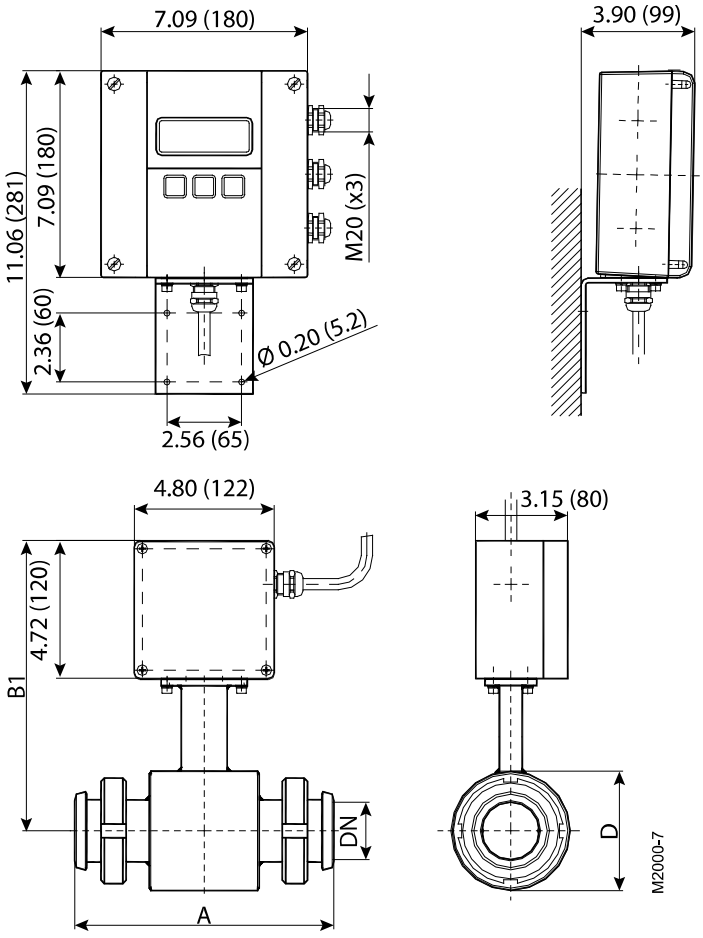
Sensor with Sanitary Process Connections Specifications

The sensor model is available with Tri-Clamp® BS4825/ISO2852, DIN11851, and more process connections. The sanitary sensor is delivered in a stainless steel housing and with PTFE/PFA lining.

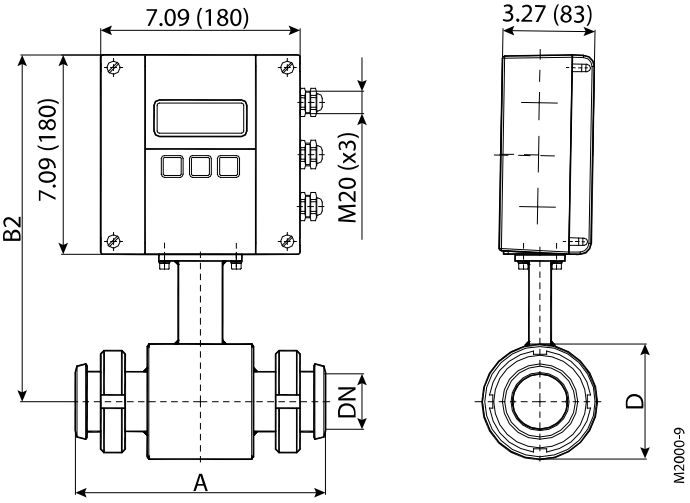
Size	3/8…4 in. (DN 10…100)		
Process Connection	Tri-Clamp BS4825/ISO2852, DIN 11851, customer specified, and more		
Nominal Pressure	145/230 psi (10/16 bar)		
Protection Class	NEMA 4X (IP67), optional NEMA 6P (IP68)		
Minimum Conductivity	5 µS/cm (20 µS/cm for demineralized water)		
Liner Materials	PTFE/PFA	–40…302° F (–40…150° C)	
Electrode Material	**Standard**: Hastelloy C; **Optional**: Tantal, Platinum / Gold plated, Platinum / Rhodium		
Housing	**Standard**: Carbon Steel; **Optional**: Stainless Steel		
Lay Length	Tri-Clamp Connection	3/8…2 in. (DN 10…50)	5.71 in. (145 mm)
		2-1/2…4 in. (DN 65…100)	7.87 in. (200 mm)
	DIN 11851 Connection	3/8…3/4 in. (DN 10…20)	6.69 in. (170 mm)
		1…2 in. (DN 25…50)	8.86 in. (225 mm)
		2-1/2…4 in. (DN 65…100)	11.02 in. (280 mm)

DIN 11851 Connection Dimensions

Remote Version
in. (mm)



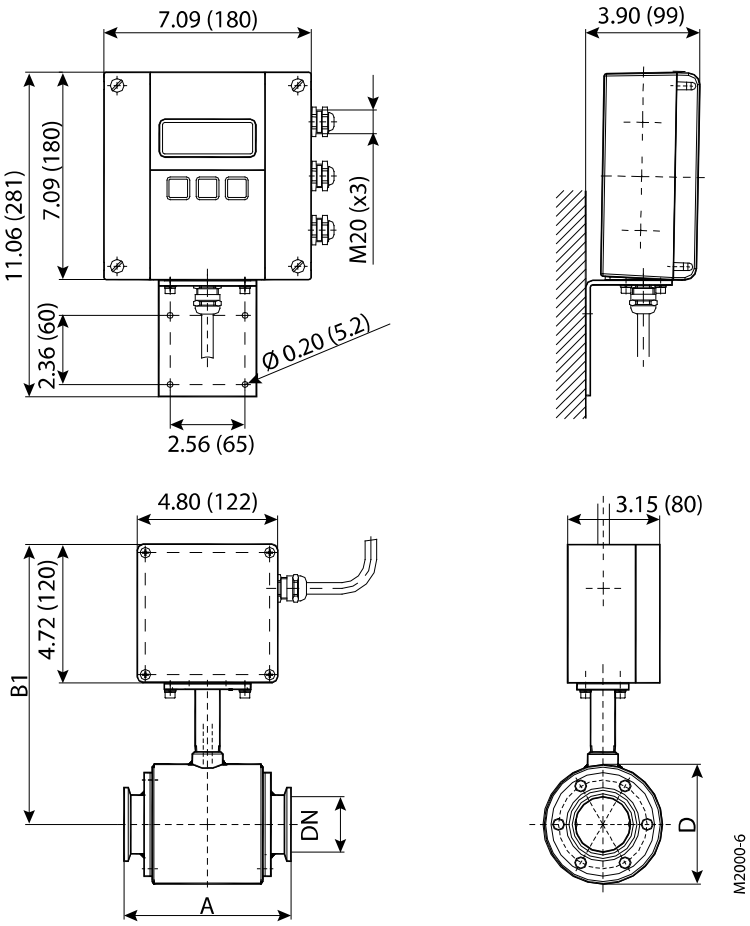
Mounted Version
in. mm



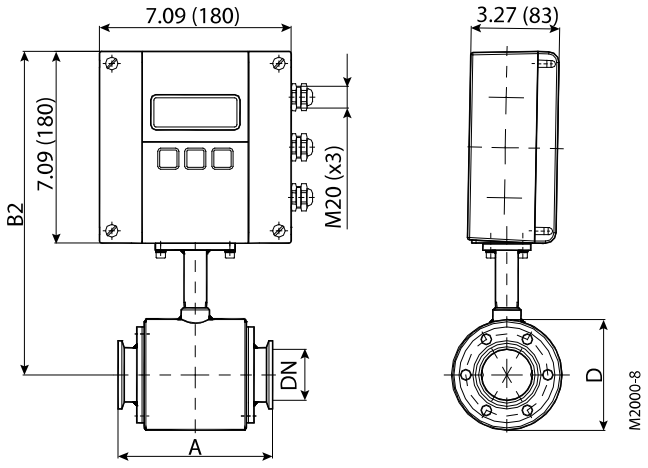
in.	DN	A	B1	B2	D
3/8	10	6.69 (170)	9.37 (238)	7.24 (184)	2.91 (74)
1/2	15	6.69 (170)	9.37 (238)	7.24 (184)	2.91 (74)
3/4	20	6.69 (170)	9.37 (238)	7.24 (184)	2.91 (74)
1	25	8.86 (225)	9.37 (238)	7.24 (184)	2.91 (74)
1-1/4	32	8.86 (225)	9.57 (243)	7.44 (189)	3.31 (84)
1-1/2	40	8.86 (225)	9.76 (248)	7.64 (194)	3.70 (94)
2	50	8.86 (225)	9.96 (253)	7.83 (199)	4.09 (104)
2-1/2	65	11.02 (280)	10.47 (266)	8.35 (212)	5.08 (129)
3	80	11.02 (280)	10.67 (271)	8.54 (217)	5.51 (140)
4	100	11.02 (280)	10.98 (279)	8.86 (225)	6.14 (156)
230 psi (16 bar)					

Tri-Clamp Connection Dimensions

Remote Version
in. (mm)

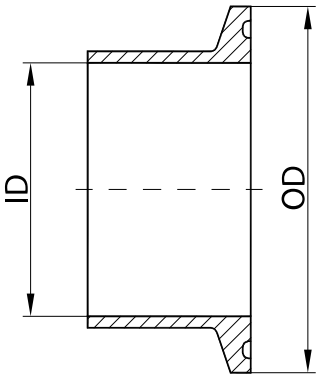


Mounted Version
in. (mm)



in.	DN	A	B1	B2	D
3/8	10	5.71 (145)	8.98 (228)	7.52 (191)	2.91 (74)
1/2	15	5.71 (145)	8.98 (228)	7.52 (191)	2.91 (74)
3/4	20	5.71 (145)	8.98 (228)	7.52 (191)	2.91 (74)
1	25	5.71 (145)	8.98 (228)	7.52 (191)	2.91 (74)
1-1/2	40	5.71 (145)	9.37 (238)	7.91 (201)	3.70 (94)
2	50	5.71 (145)	9.57 (243)	8.11 (206)	4.09 (104)
2-1/2	65	7.87 (200)	10.08 (256)	8.62 (219)	5.08 (129)
3	80	7.87 (200)	10.28 (261)	8.82 (224)	5.51 (140)
4	100	7.87 (200)	10.59 (269)	9.13 (232)	6.14 (156)
150 psi (10 bar)					

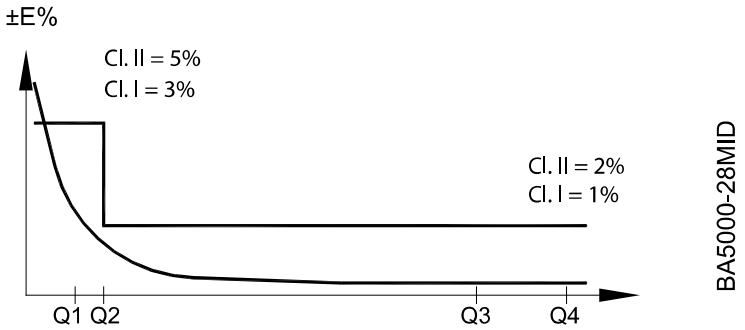
Tri-Clamp Connection



BS4825					ISO2852				
Size	OD		ID		Size	OD		ID	
in.	in.	mm	in.	mm	DN	in.	mm	in.	mm
—	—	—	—	—	10	0.98	25.0	0.55	14.0
1/2	0.98	25.0	0.37	9.4	15	1.99	50.5	0.71	18.1
3/4	0.98	25.0	0.62	15.75	20	1.99	50.5	0.90	22.9
1	1.99	50.5	0.87	22.1	25	1.99	50.5	1.13	28.7
—	—	—	—	—	32	2.52	64.0	1.51	38.4
1-1/2	1.99	50.5	1.37	34.8	40	2.52	64.0	1.74	44.3
2	2.52	64.0	1.87	47.5	50	3.05	77.5	2.22	56.3
2-1/2	3.05	77.5	2.37	60.2	65	3.58	91.0	2.84	72.1
3	3.58	91.0	2.87	72.9	80	4.17	106.0	3.32	84.3
4	4.69	119.0	3.83	97.4	100	5.12	130.0	4.32	109.7
Nominal Pressure 145 psi (10 bar)									

OIML APPROVED METER

The M2000 is type approved according to the international water meter standards OIML R49. The meter is approved as Class I and Class II for the detector sizes 2…28 inches (DN 50…800).

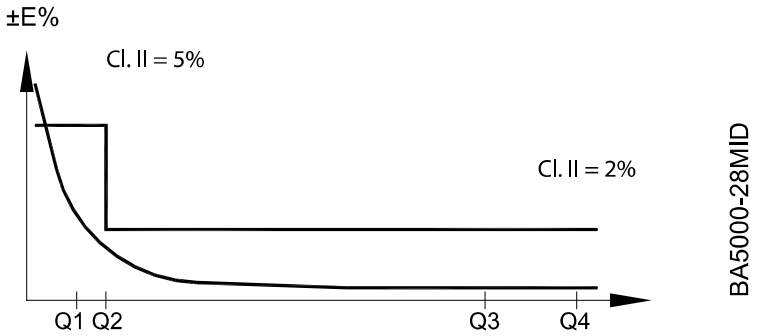


Q2/Q1 = 1.6 and Q4/Q3 = 1.25

Meter Size		Flow Rates [m^3/h]				Ratio Q3/Q1
		Q1	Q2	Q3	Q4	
DN 50	2 in.	0.252	0.4032	63	78.75	250
DN 65	2-1/2 in.	0.4	0.64	100	125	250
DN 80	3 in.	0.64	1.024	160	200	250
DN 100	4 in.	1	1.6	250	312.5	250
DN 125	5 in.	1.6	2.56	400	500	250
DN 150	6 in.	2.52	4.032	630	787.5	250
DN 200	8 in.	4	6.4	1000	1250	250
DN 250	10 in.	6.4	10.24	1600	2000	250
DN 300	12 in.	10	16	2500	3125	250
DN 350	14 in.	10	16	2500	3125	250
DN 400	16 in.	16	25.6	4000	5000	250
DN 450	18 in.	25.2	40.32	6300	7875	250
DN 500	20 in.	25.2	40.32	6300	7875	250
DN 600	24 in.	25.2	40.32	6300	7875	250
DN 800	28 in.	40	64	10000	12500	250
OIML R49	Class 1 and Class 2					

MID APPROVED METER

The M2000 is type approved according to Directive 2004/22/EC of the European Parliament and Council of March 31, 2004 Measuring Instruments (MID) Annex MI-001. The meter is approved for the detector sizes 2…28 inches (DN 50…800).



Q2/Q1 = 1.6 and Q4/Q3 = 1.25

Meter Size		Flow Rates [m³/h]				Ratio Q3/Q1
		Q1	Q2	Q3	Q4	
DN 50	2 in.	0.252	0.4032	63	78.75	250
DN 65	2-1/2 in.	0.4	0.64	100	125	250
DN 80	3 in.	0.64	1.024	160	200	250
DN 100	4 in.	1	1.6	250	312.5	250
DN 125	5 in.	1.6	2.56	400	500	250
DN 150	6 in.	2.52	4.032	630	787.5	250
DN 200	8 in.	4	6.4	1000	1250	250
DN 250	10 in.	6.4	10.24	1600	2000	250
DN 300	12 in.	10	16	2500	3125	250
DN 350	14 in.	10	16	2500	3125	250
DN 400	16 in.	16	25.6	4000	5000	250
DN 450	18 in.	25.2	40.32	6300	7875	250
DN 500	20 in.	25.2	40.32	6300	7875	250
DN 600	24 in.	25.2	40.32	6300	7875	250
DN 800	28 in.	40	64	10000	12500	250
MID MI-001						

The conformity declaration of above certificate is according to module B (type approval) and D (quality insurance of production).

PART NUMBER CONSTRUCTION

ModMAG® Model M2000

Model Code: 2M - A - _ _ _ H _ _ _ - _ _ C _ _ D B A _ _ - _ _

General area

Size			
DN 6	1/4 IN.	liner PFA / 304 SST	002
DN 8	5/16 IN.	liner PFA / 304 SST	003
DN 10	3/8 IN.	liner PFA / 304 SST	004
DN 15	1/2 IN.		005
DN 20	3/4 IN.		007
DN 25	1 IN.		010
DN 32	1-1/4 IN.		012
DN 40	1-1/2 IN.		015
DN 50	2 IN.		020
DN 65	2-1/2 IN.		025
DN 80	3 IN.		030
DN 100	4 IN.		040
DN 125	5 IN.		050
DN 150	6 IN.		060
DN 200	8 IN.		080
DN 250	10 IN.		100
DN 300	12 IN.		120
DN 350	14 IN.		140
DN 400	16 IN.		160
DN 450	18 IN.		180
DN 500	20 IN.		200
	22 IN.		220
DN 600	24 IN.		240
DN 700	28 IN.		280
	30 IN.		300
DN 800	32 IN.		320
DN 900	36 IN.		360
DN 1000	40 IN.		400
	42 IN.		420
DN 1200	48 IN.		480
	54 IN.		540
DN 1400	56 IN.		560

Process connection	
EN 1092-1 PN 40	FEE
EN 1092-1 PN 25	FED
EN 1092-1 PN 16	FEC
EN 1092-1 PN 10	FEB
ASME Class 300	FAB
ASME Class 150	FAA
TriClamp ISO 2852	TAE
TriClamp BS 4825	TAB
Threads DIN 11851	DAA
Wafer	WAA

Flange and Housing material	
Carbon Steel (Standard)	C1
Carbon Steel w/ C5M Paint	C2
304 Stainless Steel Connection / Housing	S3
316 Stainless Steel Connection / Housing	S7
Carbon Steel Process Connections (Std. Paint) / 316 Stainless Steel Housing	C4

Liner Material		
Hard Rubber		H
PTFE	for sizes > DN10 (3/8 IN.)	P
PFA	DN 6...DN 10 (1/4... 3/8 IN.) with PFA liner	A
ETFE	for sizes > DN250 (10 IN.)	T

Electrodes / Measuring, Empty pipe, Grounding	
Hastelloy C-22 (Standard / Measuring Empty pipe & Grounding)	A
Hastelloy C-22 (Standard / Measuring & Empty pipe)	J
AISI 316/1.4571	B
Tantalum	C
Platinum/Rhodium	D

Grounding rings	
No Grounding Rings	X
304 Stainless Steel Grounding Rings	A
316 Stainless Steel Grounding Rings	B

Meter LayLength	
Standard	S
ISO 20456	O

Transmitter, Power Supply, Hardware			
100/240V AC; Meter-Mounted	SA	AA	C
100/240V AC; Remote-Mounted	RA	AA	C
12...32V DC; Meter-Mounted	SA	AB	C
12...32V DC; Remote-Mounted	RA	AB	C

Junction Box (for remote mounted version)		
Aluminum Enclosure; IP67 (Type 6/4X) Rating		A
Aluminum Enclosure; IP68 (Type 6P) Rating	(submersible option)	B
Stainless Steel Enclosure; IP67 (Type 6/4X) Rating		C
Stainless Steel Enclosure; IP68 (Type 6P) Rating	(submersible option)	D
None | Used for "Sensor-Mounted" Transmitter Configurations		X

Remote Cable Length (for remote mounted version)		
15 ft.	5 m	MA
30 ft.	10 m	MB
50 ft.	15 m	MC
65 ft.	20 m	MD
80 ft.	25 m	ME
100 ft.	30 m	MF
115 ft.	35 m	MG
130 ft.	40 m	MH
150 ft.	45 m	MJ
165 ft.	50 m	MK
180 ft.	55 m	MM
200 ft.	60 m	MN
215 ft.	65 m	MP
230 ft.	70 m	MQ
245 ft.	75 m	MR
260 ft.	80 m	MS
280 ft.	85 m	MT
295 ft.	90 m	MU
310 ft.	95 m	MV
330 ft.	100 m	NW
360 ft.	110 m	NB
390 ft.	120 m	ND
425 ft.	130 m	NF
460 ft.	140 m	NH
500 ft.	150 m	NK
None | Used for "Sensor-Mounted" Transmitters Configuration		WW

Input/Output Channel			
Standard Input/Output	D	B	A

Communications	
Standard Communication (RS232 Modbus RTU)	B
Modbus RTU (RS-485)	L
HART	P
Profibus DP	E
Modbus TCP/IP	G
EtherNet/IP; ODVA	H
M-Bus wired	M
BACnet/IP	N
BACnet MS/TP	Q

Wiring Method		
Twist Tight; 5 ft. (1.52 m)		TF
Twist Tight; 10 ft. (3.05 m)		TH
Twist Tight; 25 ft. (7.62 m)		TJ
Twist Tight; 75 ft. (22.86 m)		TK
None | No Endpoint	(Standard)	XX

Programming	
Gallons/gallons per minute (North America Standard)	NA
Gallons/cubic feet per minute	NC
Gallons/cubic meters per second	ND
Cubic Meters/gallons per minute	NE
Cubic Feet/gallons per minute	NJ
Cubic Feet/cubic feet per minute	NK
Cubic Feet/cubic meters per hour	NL
Liters/gallons per minute	NM
Million Gallons/gallons per minute	NS
Gallons/millions gallons per day	NT
Acre Feet/gallons per minute	NU
Second-Foot Day/cubic feet per second	NV
Standard (Default Metric units based on size)	EA
m^3/s and m^3	EB
m^3/min and m^3	EC
m^3/h and m^3	ED
L/s and L	EE
L/min and L	EF
L/h and L	EG

Testing & Tagging			
0.2%	3-Point Calibration; Factory	(Standard)	F
0.2%	3-Point Calibration in Factory / Stainless steel Tag		S
0.5%	1-Point Calibration; Factory		L
0.5%	1-Point Calibration in Factory / Stainless steel Tag		M
OIML R49 Cl 1 TYPE CALIBRATED; 3PT; Q1-Q3			N
3rd Party Calibrated			3
3rd Party Calibrated w/ Stainless Steel Tag			T
State of Kansas Certified		(North America only)	K

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NEWBY
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435-673-1100

Date/Time: Jun 23, 2025 04:40 PM
Buyer: Alvey Fischer
Phone:
Phone: H: (208) 627-6409
Address:
Hildale, UT 84784

Trade: 2010 GMC Sierra 3500HD (116,669)

Salesperson: Chris Pallas
Salesperson: Brynlie Silcox

2025 GMC Sierra 3500HD N03359

VIN:1GT4USEY7SF163700

Cash	Balance Due
$ Down	
$0	$58,585
$2,500	$56,085
$5,000	$53,585

Purchase	72 Months
$ Down	Est. $/Monthly
$0	$1,114 - $1,124
$2,500	$1,069 - $1,079
$5,000	$1,024 - $1,034

Total Trade Allowance:	$5,000
Total Trade Adjustments:	$0
Net Trade Allowance:	$5,000

MSRP/Retail	$68,255.00
Selling Price	$63,091.00
Trade Allowance	$5,000.00
Trade Difference	$58,091.00
Government Fees	$95.00
Proc/Doc Fees	$399.00
Subtotal (Selling Price +	$63,585.00
Total Balance Due	$58,585.00

Truck 63,091
Trade <-5000->
Temp Permit 95
Doc Fee 399

58,585.

X
Customer Signature

Date

Utility Advisory Board

July 2025

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
		1	2	3	4	5
6	7	8	9 Hildale City Council 6pm	10	11 Independence Day Holiday Office Closed	12
13	14 Town of Colorado City Council 6pm	15	16	17	18	19
20	21	22	23	24 Pioneer Day Holiday Office Closed	25	26
27	28	29	30	31		