

NOTICE

*The Utility Board will meet on Thursday, May 21st, 2020 at 6:00 p.m. M.D.T.
Online a <https://zoom.us/j/96501808898?pwd=bXZQQXE2THdlYldnejkwODlnNkZlM5Zz09>*

AGENDA:

1. Call to Order
2. Prayer & Pledge of Allegiance
3. Public Comment
4. Approval of Meeting Minutes
5. Director Report
6. Review of Draft FY 21 Budget
7. Review of Water Infrastructure Investment Policy
8. Consideration and Possible Action on Waiver Requests
9. Consideration and Possible Action on Employee Bonus
10. Consideration and Possible Action on Emergency Water Operations Policy
11. Consideration and Possible Action on Recommended Late Charge Ordinance Revision and Clarification
12. Review of Draft Water Master Plan
13. Adjournment

Agenda items and any variables thereto are set for consideration, discussion, approval or other action. The Utility 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

Operations Manager's Report

April/May 2020

Hildale-Colorado City Utility Department
320 East Newel Avenue, Hildale UT 84784

Operations Summary

This month has kept us hopping as we met with a warm snap which in turn our customers ramped up water demand, we already had well21 (the deep well by the water plant) down for repairs. We immediately restored power service to the remaining wells, this is the first time we as the city have operated these wells. Previously they were operated by Twin City Water Works, this added a new aspect for myself and staff. Well19 (by the highway) begin gulping air, we suspected the well screen to be clogged as the well hadn't been used for two years. We poured 30lb of dry ice down the well in hopes that it would agitate the water and clear some of the clogging. It appeared to work and ran for little more than a week before acting up again. We'll have to pull the pump and see what we can do to clean the well screen

Well#17 (on Willow St) has similar issues, well ran for two days, then tripped off. Suspect the pump screen clogged or pump to be worn out, this well will also have to be pulled.

Without other options, we moved into water restrictions, we then purged and turned the Academy Ave well into the system. This gave us the added flow we needed to get over the peak demand. The next day Harrison, Sunrise Engineers, myself and Nam Ho met via ZOOM to discuss the Academy Ave Well, we obtain verbal approval to use it in emergency situations, and started application to add it as a permanent source. Harrison ran the additional radium tests to Flagstaff.

Our technicians worked feverishly to get well21 back in service, we succeed in getting it running at 5pm on the 29th of April.

We then attacked wells 4 and 4b, we pulled both repair them, they are back in service.

On the gas system, we extended a 2" gas main about 1,400ft on east Mohave Ave. we will be connecting 3 of our existing tank customers to the new line. A new natural gas customer was added on Elm St. A monitoring line was extended from Richard St. to well 22 so a continuous system pressure monitoring can be data logged.

We received the cutter stack for the Muffin Monster at the sewer plant. Our technicians pulled the old grinder, replaced the cutter stack using the existing motor and gear box, and put it back into service.

With the warm weather we are already evaporating all influent in the treatment ponds. We may have to add storage or makeup water to keep the level of the ponds up.

Some time has been spent getting residences connected for fiberoptic service to our ISP network.

Safety Program Implementation

Myself, Nathan and Todd met with the Safety council discussion on traffic safety.

Training Objectives

Crew met with a Representative from Kennedy Valve went over repair and maintenance of fire hydrants.

Repairs and Maintenance

VF drive replaced to prefilter booster pump

Headworks grinder repaired

Well pump and motor replaced in well4b

Several fire hydrants repaired

Ongoing: pressure relief valve to be installed at the water plant.

Pull and repair well 17

Pull and repair well 19

Mohave Ave Project

We will be completing the gas customer connections on Mohave ave. and Redwood St.

Gas Monitoring

Completing monitor for distribution gas system pressures on Richard st.

Fiber Link to Lab

Upgrading fiber to labshop, repairing fiber link to well22. Installing fiber conduit to sewer plant.

Installing fiber communications to Academy Ave well.



HCC UTILITY DEPARTMENT
MAKING CONNECTIONS

Director's Report

March/April 2020

Hildale-Colorado City Utility Department
320 East Newel Avenue, Hildale UT 84784

Account Update

Number of accounts billed for April 2020:

Water base rate	878
Sewer	821
Gas base rate	683
Water Penalties	322
Gas Penalties	228

of shut off notices printed April 15, 2020 193

of final billed accounts with final bill date in April is 14

of new connect accounts in April is 13

COVID-19 Pandemic Operational Response

The Department has suspended operational measures for the current time, and our office has reopened to the public.

COVID-19 Pandemic Financial and Billing Response

We've received a total 20 suspensions of account totaling around \$12,000 of billing. This has been far lower than anticipated, however we are still strictly controlling all spending.

Fiber Network

The Department has now four connections, with the goal of generating two connections per week.

Compliance Assistance Program

The Department is pleased with the progress that we've made with the investigations and actions of the Compliance Assistance Officer.

Water Project-Rights Discussion

The Department is currently working on obtaining a water rights appraiser to value the UEP's water rights contributions and on working on a financial analysis document.

CITY OF HILDALE
 REVENUES WITH COMPARISON TO BUDGET
 FOR THE 11 MONTHS ENDING MAY 31, 2020

2017 JUDGMENT RESOLUTION FUND

	PERIOD ACTUAL	YTD ACTUAL	BUDGET	UNEARNED	PCNT
<u>REVENUES</u>					
63-38-101 TRANSFER FROM GENERAL FUND	29,999.97	29,999.97	40,000.00	10,000.03	75.0
63-38-102 TRANSFER FROM WATER FUND	9,974.97	9,974.97	13,600.00	3,625.03	73.4
63-38-103 TRANSFER FROM WASTEWATER	9,974.97	9,974.97	13,300.00	3,325.03	75.0
63-38-105 TRANSFER FROM GAS FUND	10,199.97	10,199.97	13,600.00	3,400.03	75.0
TOTAL REVENUES	60,149.88	60,149.88	80,500.00	20,350.12	74.7
TOTAL FUND REVENUE	60,149.88	60,149.88	80,500.00	20,350.12	74.7

CITY OF HILDALE
EXPENDITURES WITH COMPARISON TO BUDGET
FOR THE 11 MONTHS ENDING MAY 31, 2020

2017 JUDGMENT RESOLUTION FUND

	PERIOD ACTUAL	YTD ACTUAL	BUDGET	UNEXPENDED	PCNT
<u>EXPENDITURES</u>					
63-41-310 PROFESSIONAL & TECHNICAL	32,528.14	32,528.14	60,500.00	27,971.86	53.8
63-41-315 LEGAL - GENERAL	27,692.28	27,692.28	20,000.00	(7,692.28)	138.5
TOTAL EXPENDITURES	<u>60,220.42</u>	<u>60,220.42</u>	<u>80,500.00</u>	<u>20,279.58</u>	<u>74.8</u>
TOTAL FUND EXPENDITURES	<u>60,220.42</u>	<u>60,220.42</u>	<u>80,500.00</u>	<u>20,279.58</u>	<u>74.8</u>
NET REVENUE OVER EXPENDITURES	<u>(70.54)</u>	<u>(70.54)</u>	<u>.00</u>	<u>70.54</u>	<u>.0</u>

CITY OF HILDALE
 REVENUES WITH COMPARISON TO BUDGET
 FOR THE 11 MONTHS ENDING MAY 31, 2020

LITIGATION DEFENSE FUND

	<u>PERIOD ACTUAL</u>	<u>YTD ACTUAL</u>	<u>BUDGET</u>	<u>UNEXPENDED</u>	<u>PCNT</u>
<u>REVENUES</u>					
64-38-101 TRANSFER FROM GENERAL FUND	13,425.03	13,425.03	17,900.00	4,474.97	75.0
64-38-102 TRANSFER FROM WATER FUND	13,425.03	13,425.03	17,900.00	4,474.97	75.0
64-38-103 TRANSFER FROM WASTEWATER	13,425.03	13,425.03	17,900.00	4,474.97	75.0
64-38-105 TRANSFER FROM GAS FUND	13,425.03	13,425.03	17,900.00	4,474.97	75.0
TOTAL REVENUES	53,700.12	53,700.12	71,600.00	17,899.88	75.0
TOTAL FUND REVENUE	53,700.12	53,700.12	71,600.00	17,899.88	75.0

CITY OF HILDALE
EXPENDITURES WITH COMPARISON TO BUDGET
FOR THE 11 MONTHS ENDING MAY 31, 2020

LITIGATION DEFENSE FUND

	<u>PERIOD ACTUAL</u>	<u>YTD ACTUAL</u>	<u>BUDGET</u>	<u>UNEXPENDED</u>	<u>PCNT</u>
<u>EXPENDITURES</u>					
64-41-110 SALARIES-PERMANENT EMPLOYEES	1,641.10	1,641.10	.00	(1,641.10)	.0
64-41-230 TRAVEL	.00	.00	2,700.00	2,700.00	.0
64-41-250 EQUIPMENT SUPPLIES & MAINT	116.84	116.84	.00	(116.84)	.0
64-41-316 LEGAL - LITIGATION DEFENSE	.00	.00	68,900.00	68,900.00	.0
64-41-911 JUDGMENTS AND LOSSES	62,666.70	62,666.70	.00	(62,666.70)	.0
TOTAL EXPENDITURES	<u>64,424.64</u>	<u>64,424.64</u>	<u>71,600.00</u>	<u>7,175.36</u>	<u>90.0</u>
TOTAL FUND EXPENDITURES	<u>64,424.64</u>	<u>64,424.64</u>	<u>71,600.00</u>	<u>7,175.36</u>	<u>90.0</u>
NET REVENUE OVER EXPENDITURES	<u>(10,724.52)</u>	<u>(10,724.52)</u>	<u>.00</u>	<u>10,724.52</u>	<u>.0</u>

CITY OF HILDALE
 REVENUES WITH COMPARISON TO BUDGET
 FOR THE 11 MONTHS ENDING MAY 31, 2020

JOINT ADMINISTRATION FUND

	PERIOD ACTUAL	YTD ACTUAL	BUDGET	UNEXPENDED	PCNT
<u>REVENUES</u>					
65-38-102 TRANSFER FROM WATER FUND	228,847.50	228,847.50	305,130.00	76,282.50	75.0
65-38-103 TRANSFER FROM WASTEWATER	344,999.97	344,999.97	403,232.00	58,232.03	85.6
65-38-105 TRANSFER FROM GAS FUND	234,601.47	234,601.47	312,802.00	78,200.53	75.0
65-38-900 SUNDRY REVENUES	9,353.50	9,353.50	.00	(9,353.50)	.0
TOTAL REVENUES	817,802.44	817,802.44	1,021,164.00	203,361.56	80.1
TOTAL FUND REVENUE	817,802.44	817,802.44	1,021,164.00	203,361.56	80.1

CITY OF HILDALE
EXPENDITURES WITH COMPARISON TO BUDGET
FOR THE 11 MONTHS ENDING MAY 31, 2020

JOINT ADMINISTRATION FUND

EXPENDITURES	PERIOD ACTUAL	YTD ACTUAL	BUDGET	UNEXPENDED	PCNT
65-41-110 SALARIES-PERMANENT EMPLOYEES	348,090.36	348,090.36	445,568.00	97,477.64	78.1
65-41-117 ATTORNEY SALARY	20,769.21	20,769.21	40,000.00	19,230.79	51.9
65-41-130 PAYROLL TAXES	50,219.14	50,219.14	46,294.00	(3,925.14)	108.5
65-41-140 BENEFITS-OTHER	73,702.83	73,702.83	100,470.00	26,767.17	73.4
65-41-144 PRINT AND POSTAGE	4,308.44	4,308.44	10,000.00	5,691.56	43.1
65-41-150 STIPENDS - UTILITY BOARD	8,500.00	8,500.00	11,700.00	3,200.00	72.7
65-41-160 MERCHANT PROCESSING	10,698.07	10,698.07	30,000.00	19,301.93	35.7
65-41-165 CAPITAL BUILDING	.00	.00	2,000.00	2,000.00	.0
65-41-170 CAPITAL EQUIPMENT	.00	.00	3,000.00	3,000.00	.0
65-41-175 CAPITAL RESERVES PURCHASES	.00	.00	12,000.00	12,000.00	.0
65-41-230 TRAVEL	175.06	175.06	.00	(175.06)	.0
65-41-235 FOOD & REFRESHMENT	1,819.26	1,819.26	6,000.00	4,180.74	30.3
65-41-240 OFFICE EXPENSE & SUPPLIES	1,329.09	1,329.09	.00	(1,329.09)	.0
65-41-250 EQUIPMENT SUPPLIES & MAINT	17,225.11	17,225.11	26,500.00	9,274.89	65.0
65-41-257 FUEL	19,675.63	19,675.63	28,000.00	8,324.37	70.3
65-41-260 TOOLS & EQUIPMENT-NON CAPITAL	20,750.61	20,750.61	26,000.00	5,249.39	79.8
65-41-271 MAINT & SUPPLY - OFFICE	4,042.18	4,042.18	4,000.00	(42.18)	101.1
65-41-280 UTILITIES	13,276.65	13,276.65	14,000.00	723.35	94.8
65-41-285 POWER	6,196.30	6,196.30	12,900.00	6,703.70	48.0
65-41-287 TELEPHONE	4,593.66	4,593.66	.00	(4,593.66)	.0
65-41-310 PROFESSIONAL & TECHNICAL	12,687.50	12,687.50	25,300.00	12,612.50	50.2
65-41-313 AUDITOR	31,633.69	31,633.69	25,000.00	(6,633.69)	126.5
65-41-315 LEGAL - GENERAL	130.00	130.00	5,000.00	4,870.00	2.6
65-41-317 INFORMATION TECHNOLOGY - CONS	7,622.43	7,622.43	.00	(7,622.43)	.0
65-41-318 INFORMATION TECHNOLOGY - SOFTW	4,798.46	4,798.46	.00	(4,798.46)	.0
65-41-319 INFORMATION TECHNOLOGY - SYSTE	19.75	19.75	.00	(19.75)	.0
65-41-330 EDUCATION	1,229.70	1,229.70	9,000.00	7,770.30	13.7
65-41-510 INSURANCE	80,519.30	80,519.30	130,000.00	49,480.70	61.9
65-41-521 CREDIT CARD EXPENSE	1,400.52	1,400.52	.00	(1,400.52)	.0
65-41-720 BUILDINGS	2,648.19	2,648.19	10,000.00	7,351.81	26.5
65-41-741 EQUIPMENT - OFFICE	1,599.88	1,599.88	3,200.00	1,600.12	50.0
65-41-780 RESERVE PURCHASES	3,494.66	3,494.66	.00	(3,494.66)	.0
65-41-850 DEBT SERVICE - VEHICLE & EQUIP	15,757.04	15,757.04	11,000.00	(4,757.04)	143.3
65-41-900 AUTOMATIC PAYMENT INCENTIVE	(199.98)	(199.98)	3,000.00	3,199.98	(6.7)
65-41-901 SURVEY INCENTIVE PROGRAM	(200.00)	(200.00)	11,000.00	11,200.00	(1.8)
65-41-960 TRANSFERS TO RESERVE FUNDS	.00	.00	27,000.00	27,000.00	.0
TOTAL EXPENDITURES	768,512.74	768,512.74	1,077,932.00	309,419.26	71.3
TOTAL FUND EXPENDITURES	768,512.74	768,512.74	1,077,932.00	309,419.26	71.3
NET REVENUE OVER EXPENDITURES	49,289.70	49,289.70	(56,768.00)	(106,057.70)	86.8

CITY OF HILDALE
REVENUES WITH COMPARISON TO BUDGET
FOR THE 11 MONTHS ENDING MAY 31, 2020

WATER FUND

	PERIOD ACTUAL	YTD ACTUAL	BUDGET	UNEXPENDED	PCNT
<u>OPERATING REVENUES</u>					
81-37-111 WATER SALES - METERED	293,856.79	293,856.79	247,279.00	(46,577.79)	118.8
81-37-121 WATER SALES - FLAT RATE	309,053.08	309,053.08	327,651.00	18,597.92	94.3
81-37-331 CONNECTION CHARGES	17,735.00	17,735.00	25,000.00	7,265.00	70.9
81-37-332 CONSTRUCTION	24,696.35	24,696.35	62,400.00	37,703.65	39.6
81-37-411 INTEREST	7,364.57	7,364.57	3,600.00	(3,764.57)	204.6
81-37-412 PENALTIES	150,668.02	150,668.02	50,000.00	(100,668.02)	301.3
TOTAL OPERATING REVENUES	803,373.81	803,373.81	715,930.00	(87,443.81)	112.2
<u>NON-OPERATING REVENUE</u>					
81-38-440 SUNDRY NON-OPERATING REVENUE	.00	.00	5,000.00	5,000.00	.0
81-38-450 TRANSFERS FROM R&R RESERVES	.00	.00	150,000.00	150,000.00	.0
81-38-999 CONTINGENCY	.00	.00	200,000.00	200,000.00	.0
TOTAL NON-OPERATING REVENUE	.00	.00	355,000.00	355,000.00	.0
TOTAL FUND REVENUE	803,373.81	803,373.81	1,070,930.00	267,556.19	75.0

CITY OF HILDALE
EXPENDITURES WITH COMPARISON TO BUDGET
FOR THE 11 MONTHS ENDING MAY 31, 2020

WATER FUND

	PERIOD ACTUAL	YTD ACTUAL	BUDGET	UNEXPENDED	PCNT
<u>OPERATING EXPENDITURES</u>					
81-41-210 BOOKS, SUBSCR, & MEMBERSHIPS	970.00	970.00	1,500.00	530.00	64.7
81-41-230 TRAVEL	3,393.34	3,393.34	4,600.00	1,206.66	73.8
81-41-235 FOOD & REFRESHMENT	31.53	31.53	600.00	568.47	5.3
81-41-250 EQUIPMENT SUPPLIES & MAINT	46.86	46.86	16,000.00	15,953.14	.3
81-41-257 FUEL	27.03	27.03	200.00	172.97	13.5
81-41-260 TOOLS & EQUIPMENT-NON CAPITAL	607.75	607.75	5,000.00	4,392.25	12.2
81-41-273 MAINT & SUPPLY - SYSTEM	30,186.22	30,186.22	58,000.00	27,813.78	52.1
81-41-285 POWER	96,907.15	96,907.15	80,000.00	(16,907.15)	121.1
81-41-311 ENGINEER	23,541.00	23,541.00	5,000.00	(18,541.00)	470.8
81-41-314 LABORATORY & TESTING	7,133.00	7,133.00	8,000.00	867.00	89.2
81-41-315 LEGAL - GENERAL	.00	.00	1,000.00	1,000.00	.0
81-41-330 EDUCATION	245.00	245.00	4,000.00	3,755.00	6.1
81-41-340 SYSTEM CONSTRUCTION SERVICES	580.00	580.00	2,000.00	1,420.00	29.0
81-41-341 CONST-CUSTOMER'S INSTALLATION	9,437.49	9,437.49	62,400.00	52,962.51	15.1
81-41-432 SPECIAL DEPT SUPPLIES	6,830.01	6,830.01	18,500.00	11,669.99	36.9
81-41-434 2019 WATER GRANT	90,644.45	90,644.45	.00	(90,644.45)	.0
81-41-580 RENT OR LEASE	1,180.84	1,180.84	.00	(1,180.84)	.0
81-41-780 RESERVE PURCHASES	9,630.00	9,630.00	.00	(9,630.00)	.0
TOTAL OPERATING EXPENDITURES	281,391.67	281,391.67	266,800.00	(14,591.67)	105.5
<u>NON-OPERATING EXPENDITURES</u>					
81-42-560 BAD DEBT EXPENSE	.00	.00	2,000.00	2,000.00	.0
81-42-730 IMPROVEMENTS OTHER THAN BLDGS	.00	.00	2,200.00	2,200.00	.0
81-42-742 EQUIPMENT - FIELD	.00	.00	2,500.00	2,500.00	.0
81-42-755 AZ STATE TAX SETTLEMENT	150,000.00	150,000.00	150,000.00	.00	100.0
81-42-780 RESERVE PURCHASES	7,484.69	7,484.69	.00	(7,484.69)	.0
81-42-815 PRINC. & INT W. RIGHTS LOAN	30,974.94	30,974.94	41,300.00	10,325.06	75.0
81-42-911 TRANSFERS TO JOINT ADMIN FUND	228,847.50	228,847.50	305,130.00	76,282.50	75.0
81-42-912 TRANSFERS TO LITIGATION	13,425.03	13,425.03	17,900.00	4,474.97	75.0
81-42-914 TRANSFERS TO 2017 JMT RES FUND	9,974.97	9,974.97	13,300.00	3,325.03	75.0
81-42-960 TRANSFERS TO RESERVE FUNDS	.00	.00	69,800.00	69,800.00	.0
81-42-999 CONTINGENCY	.00	.00	200,000.00	200,000.00	.0
TOTAL NON-OPERATING EXPENDITURES	440,707.13	440,707.13	804,130.00	363,422.87	54.8
TOTAL FUND EXPENDITURES	722,098.80	722,098.80	1,070,930.00	348,831.20	67.4
NET REVENUE OVER EXPENDITURES	81,275.01	81,275.01	.00	(81,275.01)	.0

CITY OF HILDALE
REVENUES WITH COMPARISON TO BUDGET
FOR THE 11 MONTHS ENDING MAY 31, 2020

WASTEWATER FUND

	PERIOD ACTUAL	YTD ACTUAL	BUDGET	UNEXPENDED	PCNT
<u>OPERATING REVENUES</u>					
82-37-311 SERVICE CHARGES	580,319.82	580,319.82	640,265.00	59,945.18	90.6
82-37-312 SERVICE CHARGES - CPMCWID	132,031.56	132,031.56	145,000.00	12,968.44	91.1
82-37-331 CONNECTION CHARGES	(2,320.00)	(2,320.00)	10,000.00	12,320.00	(23.2)
82-37-332 SERVICING CUSTOMER INSTALL	9,735.88	9,735.88	20,000.00	10,264.12	48.7
82-37-411 INTEREST	14,657.94	14,657.94	4,500.00	(10,157.94)	325.7
82-37-440 SUNDRY NON-OPERATING REVENUE	1,000.00	1,000.00	.00	(1,000.00)	.0
82-37-451 IMPACT FEE	9,000.00	9,000.00	10,000.00	1,000.00	90.0
82-37-452 IMPACT FEE - CPMCWID	48,950.00	48,950.00	10,000.00	(38,950.00)	489.5
TOTAL OPERATING REVENUES	793,375.20	793,375.20	839,765.00	46,389.80	94.5
<u>NON-OPERATING REVENUES</u>					
82-38-102 TRANSFERS FROM R&R RESERVE	.00	.00	55,000.00	55,000.00	.0
82-38-999 CONTINGENCY	.00	.00	200,000.00	200,000.00	.0
TOTAL NON-OPERATING REVENUES	.00	.00	255,000.00	255,000.00	.0
TOTAL FUND REVENUE	793,375.20	793,375.20	1,094,765.00	301,389.80	72.5

CITY OF HILDALE
EXPENDITURES WITH COMPARISON TO BUDGET
FOR THE 11 MONTHS ENDING MAY 31, 2020

WASTEWATER FUND

	PERIOD ACTUAL	YTD ACTUAL	BUDGET	UNEXPENDED	PCNT
<u>OPERATING EXPENDITURES</u>					
82-41-210 BOOKS, SUBSCR, & MEMBERSHIPS	2,729.00	2,729.00	500.00	(2,229.00)	545.8
82-41-230 TRAVEL	1,352.59	1,352.59	4,600.00	3,247.41	29.4
82-41-250 EQUIPMENT SUPPLIES & MAINT	1,089.69	1,089.69	8,000.00	6,910.31	13.6
82-41-257 FUEL	1,659.32	1,659.32	2,500.00	840.68	66.4
82-41-260 TOOLS & EQUIPMENT-NON CAPITAL	1,413.94	1,413.94	7,000.00	5,586.06	20.2
82-41-273 MAINTENANCE & SUPPLY - SYSTEM	20,762.84	20,762.84	55,000.00	34,237.16	37.8
82-41-285 POWER	14,752.37	14,752.37	36,000.00	21,247.63	41.0
82-41-311 ENGINEER	.00	.00	500.00	500.00	.0
82-41-314 LABORATORY & TESTING	.00	.00	1,500.00	1,500.00	.0
82-41-315 LEGAL - GENERAL	.00	.00	1,000.00	1,000.00	.0
82-41-330 EDUCATION	.00	.00	5,000.00	5,000.00	.0
82-41-340 SYSTEM CONSTRUCTION SERVICES	.00	.00	5,000.00	5,000.00	.0
82-41-341 CONST-CUSTOMER'S INSTALLATION	214.50	214.50	20,000.00	19,785.50	1.1
TOTAL OPERATING EXPENDITURES	43,974.25	43,974.25	146,600.00	102,625.75	30.0
<u>NON-OPERATING EXPENSES</u>					
82-42-560 BAD DEBT EXPENSE	.00	.00	1,500.00	1,500.00	.0
82-42-720 BUILDINGS	.00	.00	5,000.00	5,000.00	.0
82-42-742 EQUIPMENT - FIELD	.00	.00	5,400.00	5,400.00	.0
82-42-780 RESERVE PURCHASES	5,381.56	5,381.56	55,000.00	49,618.44	9.8
82-42-812 PRINCIPAL ON BONDS - RDA B	29,480.37	29,480.37	33,500.00	4,019.63	88.0
82-42-813 PRINCIPAL ON BONDS - RDA - C	4,615.19	4,615.19	6,400.00	1,784.81	72.1
82-42-816 PRINCIPAL ON BONDS - DWQ	80,000.00	80,000.00	80,000.00	.00	100.0
82-42-822 INTEREST ON BONDS - RDA - B	39,031.63	39,031.63	69,300.00	30,268.37	56.3
82-42-823 INTEREST ON BONDS - RDA - C	8,344.81	8,344.81	13,100.00	4,755.19	63.7
82-42-911 TRANSFERS TO JOINT ADMIN FUND	344,999.97	344,999.97	460,000.00	115,000.03	75.0
82-42-912 TRANSFERS TO LITIGATION	13,425.03	13,425.03	17,900.00	4,474.97	75.0
82-42-914 TRANSFERS TO 2017 JMT RES FUND	9,974.97	9,974.97	13,300.00	3,325.03	75.0
82-42-960 TRANSFERS TO RESERVE FUNDS	.00	.00	92,900.00	92,900.00	.0
82-42-999 CONTINGENCY	.00	.00	200,000.00	200,000.00	.0
TOTAL NON-OPERATING EXPENSES	535,253.53	535,253.53	1,053,300.00	518,046.47	50.8
TOTAL FUND EXPENDITURES	579,227.78	579,227.78	1,199,900.00	620,672.22	48.3
NET REVENUE OVER EXPENDITURES	214,147.42	214,147.42	(105,135.00)	(319,282.42)	203.7

CITY OF HILDALE
REVENUES WITH COMPARISON TO BUDGET
FOR THE 11 MONTHS ENDING MAY 31, 2020

GAS FUND

	PERIOD ACTUAL	YTD ACTUAL	BUDGET	UNEXPENDED	PCNT
<u>OPERATING REVENUES</u>					
84-37-111 GAS SALES - METERED NAT GAS	218,131.20	218,131.20	150,000.00	(68,131.20)	145.4
84-37-112 GAS SALES - METERED PROPANE	374,847.83	374,847.83	379,874.00	5,026.17	98.7
84-37-113 GAS SALES - CYLINDER	2,733.45	2,733.45	10,600.00	7,866.55	25.8
84-37-114 GAS SALES - CYLINDER EXCHANGE	1,464.06	1,464.06	3,500.00	2,035.94	41.8
84-37-121 NATURAL GAS SALES - FLAT RATE	24,662.23	24,662.23	25,000.00	337.77	98.7
84-37-122 PROPANE GAS - FLAT RATE	32,000.21	32,000.21	34,000.00	1,999.79	94.1
84-37-160 CONSTRUCTION REVENUE	15,655.27	15,655.27	125,000.00	109,344.73	12.5
84-37-331 CONNECTION CHARGES	4,940.00	4,940.00	5,000.00	60.00	98.8
84-37-351 SUNDRY OPERATING REVENUE	30,974.94	30,974.94	47,000.00	16,025.06	65.9
84-37-411 INTEREST	9,107.19	9,107.19	3,500.00	(5,607.19)	260.2
84-37-412 PENALTIES	64,966.75	64,966.75	25,000.00	(39,966.75)	259.9
TOTAL OPERATING REVENUES	779,483.13	779,483.13	808,474.00	28,990.87	96.4
<u>NON-OPERATING REVENUES</u>					
84-38-102 TRANSFERS FROM R&R RESERVE	.00	.00	180,000.00	180,000.00	.0
84-38-901 APPROP - UTILITY FUND BALANCE	.00	.00	22,000.00	22,000.00	.0
84-38-999 CONTINGENCY	.00	.00	200,000.00	200,000.00	.0
TOTAL NON-OPERATING REVENUES	.00	.00	402,000.00	402,000.00	.0
TOTAL FUND REVENUE	779,483.13	779,483.13	1,210,474.00	430,990.87	64.4

CITY OF HILDALE
EXPENDITURES WITH COMPARISON TO BUDGET
FOR THE 11 MONTHS ENDING MAY 31, 2020

GAS FUND

	PERIOD ACTUAL	YTD ACTUAL	BUDGET	UNEXPENDED	PCNT
<u>OPERATING EXPENDITURES</u>					
84-41-140	266.48	266.48	3,000.00	2,733.52	8.9
84-41-210	3,358.00	3,358.00	2,000.00	(1,358.00)	167.9
84-41-230	.00	.00	4,000.00	4,000.00	.0
84-41-250	568.32	568.32	5,000.00	4,431.68	11.4
84-41-257	1,140.03	1,140.03	1,500.00	359.97	76.0
84-41-260	2,378.91	2,378.91	5,000.00	2,621.09	47.6
84-41-273	8,640.66	8,640.66	11,700.00	3,059.34	73.9
84-41-280	100.00	100.00	.00	(100.00)	.0
84-41-285	918.89	918.89	1,000.00	81.11	91.9
84-41-310	436.98	436.98	.00	(436.98)	.0
84-41-330	3,202.38	3,202.38	8,000.00	4,797.62	40.0
84-41-341	26,888.52	26,888.52	125,000.00	98,111.48	21.5
84-41-431	28,994.82	28,994.82	65,000.00	36,005.18	44.6
84-41-432	190,785.64	190,785.64	250,000.00	59,214.36	76.3
84-41-434	(14,106.14)	(14,106.14)	19,000.00	33,106.14	(74.2)
84-41-580	3,497.52	3,497.52	4,500.00	1,002.48	77.7
TOTAL OPERATING EXPENDITURES	257,071.01	257,071.01	504,700.00	247,628.99	50.9
<u>NON-OPERATING EXPENDITURES</u>					
84-42-560	.00	.00	600.00	600.00	.0
84-42-750	21,658.46	21,658.46	37,000.00	15,341.54	58.5
84-42-780	8,240.45	8,240.45	180,000.00	171,759.55	4.6
84-42-911	234,601.47	234,601.47	312,802.00	78,200.53	75.0
84-42-912	13,425.03	13,425.03	17,900.00	4,474.97	75.0
84-42-914	10,199.97	10,199.97	13,600.00	3,400.03	75.0
84-42-960	.00	.00	98,200.00	98,200.00	.0
84-42-999	.00	.00	200,000.00	200,000.00	.0
TOTAL NON-OPERATING EXPENDITURES	288,125.38	288,125.38	860,102.00	571,976.62	33.5
TOTAL FUND EXPENDITURES	545,196.39	545,196.39	1,364,802.00	819,605.61	40.0
NET REVENUE OVER EXPENDITURES	234,286.74	234,286.74	(154,328.00)	(388,614.74)	151.8

CITY OF HILDALE
 REVENUES WITH COMPARISON TO BUDGET
 FOR THE 11 MONTHS ENDING MAY 31, 2020

FUND 90

	PERIOD ACTUAL	YTD ACTUAL	BUDGET	UNEXPENDED	PCNT
<u>OPERATING REVENUES</u>					
90-37-111 FIBER SALES	.00	.00	5,000.00	5,000.00	.0
90-37-331 CONNECTION CHARGES	.00	.00	1,000.00	1,000.00	.0
90-37-332 CONSTRUCTION	3,401.60	3,401.60	10,000.00	6,598.40	34.0
TOTAL OPERATING REVENUES	3,401.60	3,401.60	16,000.00	12,598.40	21.3
TOTAL FUND REVENUE	3,401.60	3,401.60	16,000.00	12,598.40	21.3

CITY OF HILDALE
EXPENDITURES WITH COMPARISON TO BUDGET
FOR THE 11 MONTHS ENDING MAY 31, 2020

FUND 90

	PERIOD ACTUAL	YTD ACTUAL	BUDGET	UNEXPENDED	PCNT
<u>OPERATING EXPENDITURES</u>					
90-41-260 TOOLS & EQUIPMENT-NON CAPITAL	4,211.38	4,211.38	.00	(4,211.38)	.0
90-41-273 MAINT & SUPPLY SYSTEM	10,559.46	10,559.46	16,000.00	5,440.54	66.0
90-41-341 CONST-CUSTOMER'S INSTALLATION	3,762.50	3,762.50	.00	(3,762.50)	.0
90-41-431 FIBER COMMODITY SUPPLY	13,903.10	13,903.10	.00	(13,903.10)	.0
90-41-580 RENT OR LEASE	800.00	800.00	.00	(800.00)	.0
TOTAL OPERATING EXPENDITURES	<u>33,236.44</u>	<u>33,236.44</u>	<u>16,000.00</u>	<u>(17,236.44)</u>	<u>207.7</u>
TOTAL FUND EXPENDITURES	<u>33,236.44</u>	<u>33,236.44</u>	<u>16,000.00</u>	<u>(17,236.44)</u>	<u>207.7</u>
NET REVENUE OVER EXPENDITURES	<u>(29,834.84)</u>	<u>(29,834.84)</u>	<u>.00</u>	<u>29,834.84</u>	<u>.0</u>

Invoice	Description	Invoice Date	Due Date	Total Cost	Period	GL Activity	GL Account
Advanced Network Consulting (5695)							
2341	Professional IT Services - Leonard Black	04/07/2020	05/07/2020	118.35	04/20	0	65-41-317
2344	Professional IT Services - Leonard Black	04/27/2020	05/27/2020	49.50	04/20	0	65-41-317
2349	Professional IT Services - Leonard Black	05/13/2020	06/13/2020	44.10	05/20	0	65-41-317
Total Advanced Network Consulting (5695):				211.95			
BASIC AMERICAN SUPPLY (5637)							
262113	Marking Paint	02/20/2020	03/20/2020	20.97	04/20	0	84-41-273
269927	Paint for the Atmospheric Corrosion Survey	04/01/2020	05/20/2020	51.93	05/20	0	84-41-273
271462	Fiber parts	04/07/2020	05/20/2020	137.95	04/20	0	90-41-273
271711	Paint for the Atmospheric Corrosion Survey	04/08/2020	05/08/2020	95.95	04/20	0	84-41-273
273070	Soap Stone	04/14/2020	05/20/2020	6.78	04/20	0	65-41-250
273532	Well Repair (Well 22)	04/15/2020	05/20/2020	7.59	04/20	0	81-41-273
273632	Well Repair (Well 22)	04/16/2020	05/16/2020	27.27	04/20	0	81-41-273
277842	Fittings for Water Plant	04/30/2020	05/20/2020	7.59	04/20	0	81-41-273
Total BASIC AMERICAN SUPPLY (5637):				356.03			
Border States Industires Inc. (5679)							
919944888	Electrical Repair -- Wells	05/11/2020	05/30/2020	18.16	05/20	0	81-41-273
Total Border States Industires Inc. (5679):				18.16			
BUCKS ACE HARDWARE (5356)							
318071	Silicone	04/16/2020	05/10/2020	56.53	04/20	0	81-41-273
Total BUCKS ACE HARDWARE (5356):				56.53			
CASELLE, INC. (1430)							
101783	CONTRACT for June 2020	05/01/2020	05/31/2020	905.10	05/20	0	65-41-318
Total CASELLE, INC. (1430):				905.10			
CATALYST CONSTRUCTION (5712)							
108	Fiber Server Office Rent	05/01/2020	05/01/2020	100.00	05/20	0	90-41-580
Total CATALYST CONSTRUCTION (5712):				100.00			
Codale Electric Supply Inc. (4572)							
S7041037.00	Gasline tracer wire	04/22/2020	05/22/2020	1,252.10	04/20	0	84-41-341
S70414037.0	Caution ribbon	04/17/2020	05/17/2020	422.64	04/20	0	84-41-341
S7041037.00	Freight for tracer wire & ribbon	05/06/2020	06/05/2020	73.48	05/20	0	84-41-273
Total Codale Electric Supply Inc. (4572):				1,748.22			
Customer Deposit (5518)							
3.41500.8	3.41500.8 CUSTOMER DEPOSIT REFUND	04/20/2020	05/20/2020	59.36	04/20	0	81-21350
3.47700.7	3.47700.7 CUSTOMER DEPOSIT REFUND	04/16/2020	05/16/2020	43.43	04/20	0	81-21350
3.48500.2	3.48200.5 CUSTOMER DEPOSIT REFUND	04/14/2020	05/14/2020	152.37	04/20	0	81-21350
3.89000.9	3.89000.9 CUSTOMER DEPOSIT REFUND	04/14/2020	05/14/2020	510.42	04/20	0	81-21350
3.08103.5	3.08103.5 CUSTOMER DEPOSIT REFUND	05/12/2020	05/30/2020	349.61	05/20	0	81-21350
3.86001.0	3.86001.0 CUSTOMER DEPOSIT REFUND	05/13/2020	05/30/2020	644.60	05/20	0	81-21350
Total Customer Deposit (5518):				1,759.79			
DELCO WESTERN (4528)							
20-0447	Pump repair cartridge	03/27/2020	04/26/2020	5,656.76	05/20	0	82-41-273

Invoice	Description	Invoice Date	Due Date	Total Cost	Period	GL Activity	GL Account
20-0728	VF Drive Replacement	05/05/2020	06/04/2020	4,593.60	05/20	0	81-41-273
20-0729	Well Pump and 5hp motor	05/05/2020	06/04/2020	1,862.80	05/20	0	81-41-260
Total DELCO WESTERN (4528):				12,113.16			
DJB GAS SERVICES, INC. (4750)							
01204003	WELDER Cylinder Rental	03/31/2020	04/30/2020	25.03	03/20	0	82-41-273
01209605	WELDER Cylinder Rental	04/30/2020	05/30/2020	24.40	04/20	0	82-41-273
Total DJB GAS SERVICES, INC. (4750):				49.43			
DOMINION ENERGY (5607)							
5948550000	Natural Gas Commodity	05/05/2020	05/27/2020	1,839.15	04/20	0	84-41-434
Total DOMINION ENERGY (5607):				1,839.15			
GARKANE ENERGY (5057)							
1709902 042	Power plant well power	04/16/2020	05/06/2020	49.53	04/20	0	81-41-285
1763000 042	Recirc Pump Power	04/16/2020	05/06/2020	153.60	04/20	0	82-41-285
1763900 042	Sewer headworks power	04/16/2020	05/06/2020	80.00	04/20	0	82-41-285
1782300 042	Lab shop power	04/16/2020	05/06/2020	460.36	04/20	0	65-41-285
1787300 042	Propane Pump	04/16/2020	05/06/2020	70.21	04/20	0	84-41-285
1793900 042	Million Gallon Tank Power	04/16/2020	05/06/2020	33.13	04/20	0	81-41-285
1772500 042	City Hall Power	04/16/2020	05/06/2020	255.62	04/20	0	65-41-285
1717500 042	Lift Station Power	04/23/2020	05/13/2020	810.93	04/20	0	82-41-285
1734500 042	East Tank Power	04/23/2020	05/13/2020	60.12	04/20	0	81-41-285
1775500 042	Water Plant Power	04/23/2020	05/13/2020	1,798.18	04/20	0	81-41-285
1782501 042	Well 22 Power	04/23/2020	05/13/2020	3,870.12	04/20	0	81-41-285
2026700 042	Well 21 Power	04/23/2020	05/13/2020	32.28	04/20	0	81-41-285
1772300 042	Well 10 Power	04/23/2020	05/13/2020	2.69	04/20	0	81-41-285
Total GARKANE ENERGY (5057):				7,676.77			
HILDALE CITY UTILITIES (2170)							
3.84110.1 03	Academy Ave Well	04/10/2020	04/25/2020	54.00	03/20	0	65-41-280
6.42870.1 03	Propane Yard Lease	04/10/2020	04/30/2020	100.00	03/20	0	84-41-580
3.18000.1 03	Lab Shop Utilities	04/10/2020	04/25/2020	1,106.44	03/20	0	65-41-280
6.07700.1 03	CITY HALL UTILITIES	04/10/2020	04/25/2020	228.72	03/20	0	65-41-280
6.07700.1 04	CITY HALL UTILITIES	05/07/2020	05/22/2020	207.23	04/20	0	65-41-280
3.18000.1 04	Lab Shop Utilities	05/07/2020	05/22/2020	687.30	04/20	0	65-41-280
3.84110.1 04	Academy Ave Well	05/07/2020	05/22/2020	56.70	04/20	0	65-41-280
6.42870.1 04	Propane Yard Lease	05/07/2020	05/22/2020	100.00	04/20	0	84-41-580
Total HILDALE CITY UTILITIES (2170):				2,540.39			
HODGE PRODUCTS, INC. (5146)							
0455794-IN	gate locks	04/22/2020	04/30/2020	427.21	03/20	0	81-41-273
Total HODGE PRODUCTS, INC. (5146):				427.21			
HOME DEPOT (2220)							
2524027	Locks, hasps	03/16/2020	05/01/2020	154.96	03/20	0	81-41-273
4524945	Duct Tape & Power Adapter	03/24/2020	05/01/2020	32.94	03/20	0	65-41-271
621060	Replacement door knob & latch shields	04/07/2020	05/01/2020	109.61	03/20	0	81-41-273
Total HOME DEPOT (2220):				297.51			

Invoice	Description	Invoice Date	Due Date	Total Cost	Period	GL Activity	GL Account
INTERMOUNTAIN FARMERS ASSOC. (2311)							
1013260862	Wormer	04/22/2020	05/22/2020	24.98	04/20	0	82-41-273
Total INTERMOUNTAIN FARMERS ASSOC. (2311):				24.98			
JWC ENVIROMENTAL (4982)							
102009	GRINDER CUTTER STACK	04/29/2020	05/29/2020	18,816.19	04/20	0	82-42-780
Total JWC ENVIROMENTAL (4982):				18,816.19			
LAWSON PRODUCTS (5223)							
9307565616	Connectors	05/05/2020	05/30/2020	138.59	05/20	0	65-41-250
Total LAWSON PRODUCTS (5223):				138.59			
LES OLSON COMPANY (2671)							
EA924409	MAINTENANCE CONTRACT	04/15/2020	05/15/2020	196.50	03/20	0	65-41-144
Total LES OLSON COMPANY (2671):				196.50			
NGL SUPPLY CO. LTD (5605)							
NGL314769	Propane Commodity	04/29/2020	05/09/2020	5,911.62	04/20	0	84-41-432
Total NGL SUPPLY CO. LTD (5605):				5,911.62			
Owen Equipment (5736)							
00097688	3" Valve for Vac Truck	05/11/2020	05/30/2020	335.47	05/20	0	82-41-250
Total Owen Equipment (5736):				335.47			
PI MANUFACTURING CORP. (5529)							
944962	patch cables	04/22/2020	05/22/2020	441.21	04/20	0	90-41-273
Total PI MANUFACTURING CORP. (5529):				441.21			
PREFERRED PARTS (4694)							
56773	Straps - Well 22 Project	04/16/2020	05/16/2020	14.98	04/20	0	81-41-273
57105	Oil	04/22/2020	05/22/2020	7.49	04/20	0	65-41-250
57471	Batteries for Crane	04/29/2020	05/29/2020	293.14	04/20	0	65-41-250
57474	Batteries for Crane	04/29/2020	05/29/2020	38.34	04/20	0	65-41-250
57490	Solder Fitting -- Well Repair	04/29/2020	05/29/2020	2.32	04/20	0	81-41-273
58270	Heat Shrink - Well Electrical Repair	05/12/2020	06/12/2020	54.95	05/20	0	81-41-273
Total PREFERRED PARTS (4694):				334.54			
ROCKY MOUNTAIN POWER (4202)							
68511976 04	Cathodic Protection Power	04/22/2020	05/14/2020	10.91	04/20	0	84-41-285
Total ROCKY MOUNTAIN POWER (4202):				10.91			
ROCKY MOUNTAIN PROPANE ASSOCIATION (5576)							
3130	Rocky Mountain Propane Association Dues	04/01/2020	05/01/2020	848.00	04/20	0	84-41-210
Total ROCKY MOUNTAIN PROPANE ASSOCIATION (5576):				848.00			
SCHOLZEN PRODUCTS COMPANY, INC. (3450)							
3027173-00	Chlorine Cylinder Rental	04/24/2020	05/24/2020	115.20	04/20	0	81-41-432
6464175-00	Pipe wrap tape & breakocc plugs	04/16/2020	05/16/2020	111.76	04/20	0	81-41-273

Invoice	Description	Invoice Date	Due Date	Total Cost	Period	GL Activity	GL Account
6464176-00	Ball valves for meter sets	04/16/2020	05/16/2020	281.40	04/20	0	84-41-341
642611-00	Water Plant Repair - Fittings	05/13/2020	06/12/2020	554.41	05/20	0	81-41-273
6468873-00	pressure sustaining valve	05/11/2020	06/10/2020	3,225.03	04/20	0	81-41-273
6472830-00	hydrant repair parts	05/13/2020	06/12/2020	1,966.69	05/20	0	81-41-273
Total SCHOLZEN PRODUCTS COMPANY, INC. (3450):				6,254.49			
SIERRA HIGHWAY SAFETY (5735)							
9793	Carsonite roadmarkers with decals	04/13/2020	05/13/2020	3,125.80	05/20	0	84-41-273
Total SIERRA HIGHWAY SAFETY (5735):				3,125.80			
SOUTH CENTRAL COMMUNICATIONS (3560)							
8297800 042	CITY HALL PHONE & FAX LINES	05/01/2020	05/16/2020	128.84	04/20	0	65-41-287
9592500 042	PRI PHONE ACCOUNT	05/01/2020	05/16/2020	345.10	04/20	0	65-41-287
Total SOUTH CENTRAL COMMUNICATIONS (3560):				473.94			
ST. GEORGE WATER STORE (5415)							
65481	Bottled Water Service 2 bottle	04/15/2020	05/15/2020	12.00	04/20	0	65-41-235
67069	Bottled Water Service 2 bottle	05/13/2020	06/12/2020	12.00	04/20	0	65-41-235
Total ST. GEORGE WATER STORE (5415):				24.00			
SUMMIT ENERGY, LLC (4605)							
0320HILD	Natural Gas Commodity 03/20	03/31/2020	04/30/2020	6,405.93	03/20	0	84-41-431
0420HILD	Natural Gas Commodity	05/07/2020	05/25/2020	2,731.07	04/20	0	84-41-431
Total SUMMIT ENERGY, LLC (4605):				9,137.00			
SUNRISE ENGINEERING, INC. (3740)							
109461	CC PER & Well Siting Study - Project S05803	04/09/2020	05/09/2020	684.00	04/20	0	81-41-311
Total SUNRISE ENGINEERING, INC. (3740):				684.00			
SUSAN STEED (5720)							
8	City Office Cleaning	05/02/2020	06/02/2020	90.00	05/20	0	65-41-271
8	Utility Labshop Cleaning	05/02/2020	06/02/2020	160.00	05/20	0	65-41-271
Total SUSAN STEED (5720):				250.00			
TOWN OF COLORADO CITY (3930)							
8620	Auto Insurance Premium Portion	03/01/2020	03/16/2020	604.63	03/20	0	65-41-510
8620	General and Professional Liability Insurance Premium Portion	03/01/2020	03/16/2020	1,806.19	03/20	0	65-41-510
8620	Risk Management Fund monthly pmt	03/01/2020	03/16/2020	1,178.72	03/20	0	65-41-510
8620	Propane Delivery Insurance Premium Portion	03/01/2020	03/16/2020	444.36	03/20	0	65-41-510
8627	Gasoline Used from Public Works - Utilities	03/01/2020	03/16/2020	1,907.35	03/20	0	65-41-257
8627	Gasoline Used from Public Works - Utilities	03/01/2020	03/16/2020	96.26	03/20	0	82-41-257
8627	Gasoline Used from Public Works - Utilities	03/01/2020	03/16/2020	133.88	03/20	0	84-41-257
8630	IT Services - Advanced Network Consulting	03/01/2020	03/16/2020	788.82	03/20	0	65-41-317
8636	DOJ Court Judgement Cost Sharing - Jim Keith	03/05/2020	03/20/2020	1,380.23	03/20	0	63-41-310
8637	DOJ Court Judgement Cost Sharing - Roger Carter	03/05/2020	03/20/2020	2,507.08	03/20	0	63-41-310
8640	Utility Field Staff Payroll	03/06/2020	03/21/2020	11,663.87	03/20	0	65-41-110
8640	Utility Field Staff Payroll Taxes	03/06/2020	03/21/2020	1,367.23	03/20	0	65-41-130
8640	Utility Field Staff Benefits	03/06/2020	03/21/2020	724.46	03/20	0	65-41-140
8640	Secretarial Staff Payroll	03/06/2020	03/21/2020	4,805.85	03/20	0	65-41-110
8640	Recorder Payroll	03/06/2020	03/21/2020	1,641.10	03/20	0	65-41-110
8640	General Fund Payroll Taxes	03/06/2020	03/21/2020	470.33	03/20	0	65-41-130

Invoice	Description	Invoice Date	Due Date	Total Cost	Period	GL Activity	GL Account
8640	General Fund Payroll Benefits	03/06/2020	03/21/2020	137.50	03/20	0	65-41-140
8643	Utility Field Staff Payroll	03/20/2020	04/04/2020	11,458.85	03/20	0	65-41-110
8643	Utility Field Staff Payroll Taxes	03/20/2020	04/04/2020	1,334.96	03/20	0	65-41-130
8643	Utility Field Staff Payroll Benefits	03/20/2020	04/04/2020	2,347.06	03/20	0	65-41-140
8643	Secretarial Staff Payroll	03/20/2020	04/04/2020	4,919.41	03/20	0	65-41-110
8643	RECORDER PAYROLL	03/20/2020	04/04/2020	1,641.10	03/20	0	65-41-110
8643	General Fund Payroll Taxes	03/20/2020	04/04/2020	467.80	03/20	0	65-41-130
8643	GENERAL FUND PAYROLL BENEFITS	03/20/2020	04/04/2020	3,120.83	03/20	0	65-41-140
8645	IT Services - Advanced Network Consulting	03/20/2020	04/04/2020	333.30	03/20	0	65-41-317
8647	IT Services - Advanced Network Consulting	03/25/2020	04/09/2020	197.31	03/20	0	65-41-317
8673	IT Services - Advanced Network Consulting	04/01/2020	04/16/2020	218.80	04/20	0	65-41-317
8675	Gasoline Used from Public Works - Utilities	04/01/2020	04/16/2020	2,733.12	03/20	0	65-41-257
8675	Gasoline Used from Public Works - Utilities	04/01/2020	04/16/2020	253.65	03/20	0	84-41-257
8679	Utility Field Staff Payroll	04/03/2020	04/18/2020	11,813.68	04/20	0	65-41-110
8679	Utility Field Staff Payroll Taxes	04/03/2020	04/18/2020	1,380.08	04/20	0	65-41-130
8679	Utility Field Staff Payroll Benefits	04/03/2020	04/18/2020	649.46	04/20	0	65-41-140
8679	Secretarial Staff Payroll	04/03/2020	04/18/2020	4,743.33	04/20	0	65-41-110
8679	RECORDER PAYROLL	04/03/2020	04/18/2020	1,641.10	04/20	0	65-41-110
8679	General Fund Payroll Taxes	04/03/2020	04/18/2020	458.55	04/20	0	65-41-130
8679	GENERAL FUND PAYROLL BENEFITS	04/03/2020	04/18/2020	137.50	04/20	0	65-41-140
8682	DOJ Court Judgement Cost Sharing - Jim Keith	04/09/2020	04/24/2020	1,929.95	04/20	0	63-41-310
8683	DOJ Court Judgement Cost Sharing - Roger Carter	04/09/2020	04/24/2020	2,397.99	04/20	0	63-41-310
8684	IT Services - Advanced Network Consulting	04/09/2020	04/24/2020	156.00	04/20	0	65-41-317
PROST0320	Total Propane Tax	03/31/2020	04/15/2020	2,834.67	03/20	0	84-21371
WAT0320	Total Water Tax	03/31/2020	04/15/2020	723.47	03/20	0	81-21371
8667	Auto Insurance Premium Portion	04/01/2020	04/16/2020	806.72	04/20	0	65-41-510
8667	General and Professional Liability Insurance Premium Portion	04/01/2020	04/16/2020	2,083.80	04/20	0	65-41-510
8667	Risk Management Fund monthly pmt	04/01/2020	04/16/2020	1,269.68	04/20	0	65-41-510
8667	Propane Delivery Insurance Premium Portion	04/01/2020	04/16/2020	370.25	04/20	0	65-41-510
8686	IT Services - Advanced Network Consulting	04/20/2020	05/05/2020	427.29	04/20	0	65-41-317
8691	IT Services - Advanced Network Consulting	04/28/2020	05/13/2020	126.63	04/20	0	65-41-317
8712	Auto Insurance Premium Portion	05/01/2020	05/16/2020	806.72	04/20	0	65-41-510
8712	General and Professional Liability Insurance Premium Portion	05/01/2020	05/16/2020	2,083.80	04/20	0	65-41-510
8712	Risk Management Fund monthly pmt	05/01/2020	05/16/2020	1,269.68	04/20	0	65-41-510
8712	Propane Delivery Insurance Premium Portion	05/01/2020	05/16/2020	370.25	04/20	0	65-41-510
8721	DOJ Court Judgement Cost Sharing - Jim Keith	05/01/2020	05/16/2020	990.00	04/20	0	63-41-310
8726	IT Services - Advanced Network Consulting	05/11/2020	05/26/2020	58.59	05/20	0	65-41-317
8728	DOJ Court Judgement Cost Sharing - Roger Carter	05/11/2020	05/26/2020	2,311.28	05/20	0	63-41-310
PROST0420	Total Propane Tax	04/30/2020	05/15/2020	1,636.02	04/20	0	84-21371
WAT0420	Total Water Tax	04/30/2020	05/15/2020	1,155.69	04/20	0	81-21371
17	TOCC Litigation Settlement	05/01/2020	05/01/2020	6,266.67	05/20	0	64-41-911
Total TOWN OF COLORADO CITY (3930):				111,582.90			
U.S. POSTAL SERVICE (4020)							
200520	POSTAGE	05/20/2020	06/04/2020	700.00	05/20	0	65-41-144
Total U.S. POSTAL SERVICE (4020):				700.00			
UNIFIRST CORPORATION (4055)							
352 0486776	LAUNDRY Work Clothes	04/06/2020	05/06/2020	62.32	04/20	0	65-41-260
352 0487250	LAUNDRY Work Clothes	04/13/2020	05/13/2020	60.45	04/20	0	65-41-260
352 0487723	LAUNDRY Work Clothes	04/20/2020	05/20/2020	60.45	04/20	0	65-41-260
Total UNIFIRST CORPORATION (4055):				183.22			
USABlueBook (4011)							
205637	Marking flags, and shooter	04/14/2020	04/24/2020	115.95	04/20	0	84-41-273

Invoice	Description	Invoice Date	Due Date	Total Cost	Period	GL Activity	GL Account
215541	Tube assembly for permanganate pump	04/23/2020	05/03/2020	199.44	04/20	0	81-41-273
218115	DPD Chlorine Test Reagent	04/27/2020	05/07/2020	73.22	04/20	0	81-41-273
Total USABlueBook (4011):				<u>388.61</u>			
VERIZON WIRELESS (4620)							
9852589969	WIRELESS SERVICE - On Call Phone & Tablets Mar 15 Apr 14	04/14/2020	05/14/2020	217.48	04/20	0	65-41-287
Total VERIZON WIRELESS (4620):				<u>217.48</u>			
WAXIE SANITARY SUPPLY (5376)							
78993834	Toilet Paper, Paper Towels, Hand Sanitizer, Air Freshner, Glass Cleaner	03/19/2020	04/19/2020	303.66	03/20	0	65-41-271
Total WAXIE SANITARY SUPPLY (5376):				<u>303.66</u>			
XPRESS BILL PAY (5646)							
47954	Xpress Bill Pay Trans. & Account Maintenance	05/01/2020	05/06/2020	454.88	05/20	0	65-41-521
47954	Support Fee & Phone Payment Fees Waived for Mar & Apr	05/01/2020	05/06/2020	322.90-	05/20	0	65-41-521
Total XPRESS BILL PAY (5646):				<u>131.98</u>			
ZION'S BANK (4470)							
200311 (1)U	Jetter Truck Repair	03/11/2020	04/26/2020	165.34	03/20	0	82-41-250
200318 (1)W	Fiber Project Lunch	03/18/2020	04/26/2020	15.40	03/20	0	65-41-235
200327 (3)M	Coffee & Cream	03/27/2020	04/26/2020	16.46	03/20	0	65-41-235
200312 (1)HJ	Prezi Standard Plan Annual Fee	03/12/2020	04/11/2020	90.38	03/20	0	65-41-318
200316 (2)HJ	Chairman's Management Dinner Meeting at Stage Coach Inn	03/16/2020	04/26/2020	132.09	03/20	0	65-41-235
200324 (1)JT	Website Hosting - GoDaddy	03/24/2020	04/23/2020	71.94	03/20	0	65-41-318
Total ZION'S BANK (4470):				<u>491.61</u>			
Grand Totals:				<u><u>191,106.10</u></u>			

Report GL Period Summary

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



HCC UTILITY DEPARTMENT
MAKING CONNECTIONS

Budget for Fiscal Year
2021

DRAFT

Hildale-Colorado City Utility Department
320 East Newel Avenue, Hildale UT 84784

Budgetary Policy Doctrine

The Department's budgetary policy should outline what funding Department Management is proposing for the upcoming fiscal year. With the COVID-19 Pandemic's economic impact there may be some significant disruption to our financial health. Department Management carefully monitors customer requests and waivers concerning the economic disruption.

Beyond constraints and events that are outside the control of Management, the Department's budgetary doctrine is as follows:

1. Repairs and preventative maintenance of critical infrastructure in poor conditions
2. Upgrading legacy infrastructure to meet current regulatory and compliance standards
3. Modernizing personnel pay and benefit structures to ensure long-term employee viability and recruitment

Water Infrastructure Investment

Department Management is deeply concerned about the status of critical assets that are in poor condition. Our primary concern being in our Treatment, and Collection and Transmission systems. These systems present the highest vulnerability that our water system possesses, as failures in any one of these could constitute state of emergency.

Our funding priorities for FY 21 will be on the following:

- Collection & Transmissions
 - o Well Maintenance and Repair
- Distribution
 - o Upper Pressure Zone Issues in Northwest Hildale
- Treatment
 - o Network and Automation Upgrades

FY 21 Funding Priorities

Well Maintenance and Repair	\$	60,111.74
Upper Pressure Zone Issues	\$	48,089.39
Network Automation Upgrades	\$	12,022.35
Total	\$	120,223.48

Please see proposed Water Infrastructure Maintenance and Investment Policy and financial analysis in Appendix A.

Wastewater Department Infrastructure Investment

The Wastewater Department will need to confront one of the two projects within the next fiscal year. The first is the A-Line repair, and the other is an upgraded sewer headworks and grinder project.

Estimated Cost of Project:

- A-Line Repair: \$175,000

- Sewer Headworks Upgrade: \$250,000

Considering the timeliness and necessity of the projects, Department Management recommends that the A-Line repair take precedence.

Employee Compensation

Community Comparison's

Santa Clara- 7,118 Pop

- Public Works Director(Water, Sewer, Electric): \$160,726.62
- Public Works Supervisor(Water, Sewer, Stormwater): \$93,449.49

Enoch- 6,534 Pop

- Public Works Director (Water, Sewer): \$55,660.16

Providence- 7,300 Pop

- Water/Wastewater Operator: \$90,782.55

Ephraim- 6,987 Pop

- Public Works Employee III (Water, Sewer): \$100,867.97

Plain City- 6,560 Pop

- Public Works (General, Sewer, Storm): \$105,051.84

Harrisville- 6,356 Pop

- Public Works Director (General, Storm): \$144,683.47

Moab- 5,259 Pop

- Water Worker III- \$101,623.41 (Salary: \$54,931.56, Benefits: \$43,904.63 Leave Paid: \$2,787.22)

Hildale-Colorado City- 7,000 Pop

- Director (Water, Sewer, Gas, Fiber)-\$50,000
- Operations Manager (Water Sewer, Gas, Fiber)-\$56,000

New Employee Compensation Proposal

Properly compensating employees is essential to retaining and attracting talent to our Department. We need to directly address the reality that current compensation does not meet the reality of districts of similar size. Additionally, there is a dual reality that simply increasing salaries to become immediately competitive may have adverse budgetary consequences. Department Management strongly encourages the Board to support annual increases of employee compensation to more closely meet those of our surrounding utility districts.

See Appendix B for specific compensation proposals

Office of Canaan Mountain Water Project

The water canyon project's principal cost will not likely be incurred until next fiscal year, however there may be some costs for personnel and testing that may be required. It will require us to establish an office and hire personnel who are able to work on the project.

- Personnel:	\$150,000
- Equipment:	\$10,000
- Services:	\$10,000
- Engineering:	\$8,000
- Travel:	\$3,000
- Application Fees:	\$15,000
Total:	\$196,000

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JUA Fund Fiscal Year 2021	Account Description	ACCOUNT ID	FY20 Budgeted	FY21 (In Progress)	FY21 Percent
Revenue					
Contributions and Transfers					
	TRANSFER FROM WATER FUND	65-38-102	\$ 305,130.00	\$ 485,063.00	58.97
	TRANSFER FROM WASTEWATER	65-38-103	\$ 403,232.00	\$ 485,064.00	20.29
	TRANSFER FROM GAS FUND	65-38-105	\$ 312,802.00	\$ 485,063.00	55.07
	SUNDRY REVENUES	65-38-900	\$ -	\$ -	n/a
	Total Contributions and Transfers:		\$ 1,021,164.00	\$ 1,455,190.00	42.5
Charges For Services					
	Garkane Admin Revenue	65-38-200		\$ 15,000.00	n/a
	Total Charges For Services:			\$ 15,000.00	n/a
	Total Revenue:		\$ 1,021,164.00	\$ 1,470,190.00	43.97
Expenditures					
Joint Administration Fund					
Salaries and Wages					
	SALARIES-PERMANENT EMPLOYEES	65-41-110	\$ 445,568.00	\$ 489,300.00	9.81
	PAYROLL TAXES	65-41-130	\$ 46,294.00	\$ 51,000.00	10.17
	BENEFITS-OTHER	65-41-140	\$ 100,470.00	\$ 155,900.00	55.17
	WORKERS COMPENSATION	65-41-141		\$ -	n/a
	INSURANCE BENEFITS- NON-MEDICAL	65-41-142		\$ -	n/a
	RETIREMENT BENEFITS	65-41-143		\$ -	n/a
	INSURANCE BENEFITS- MEDICAL	65-41-145		\$ -	n/a
	BONUSES & BENEFITS - OTHER	65-41-146		\$ -	n/a
	STIPENDS - UTILITY BOARD	65-41-150	\$ 11,700.00	\$ 11,700.00	0
	Total Salaries and Wages:		\$ 604,032.00	\$ 707,900.00	17.2
Other Expenses					
	TREASURER & RECORDER SERVICES	65-41-118		\$ 49,588.00	n/a
	CITY ATTORNEY SERVICES	65-41-120		\$ 50,000.00	n/a
	TRAVEL	65-41-230	\$ -	\$ 4,000.00	n/a
	FOOD & REFRESHMENT	65-41-235	\$ 6,000.00	\$ 4,000.00	-33.33
	OFFICE EXPENSE & SUPPLIES	65-41-240	\$ -	\$ -	n/a
	EQUIPMENT SUPPLIES & MAINT	65-41-250	\$ 26,500.00	\$ 26,500.00	0
	FUEL	65-41-257	\$ 28,000.00	\$ 28,000.00	0
	TOOLS & EQUIPMENT-NON CAPITAL	65-41-260	\$ 26,000.00	\$ 26,000.00	0
	MAINT & SUPPLY - OFFICE	65-41-271	\$ 4,000.00	\$ 4,000.00	0
	UTILITIES	65-41-280	\$ 14,000.00	\$ 14,000.00	0
	POWER	65-41-285	\$ 12,900.00	\$ 12,900.00	0
	TELEPHONE	65-41-287	\$ -	\$ -	n/a
	PROFESSIONAL & TECHNICAL	65-41-310	\$ 25,300.00	\$ -	-100
	EDUCATION	65-41-330	\$ 9,000.00	\$ 9,000.00	0
	INSURANCE	65-41-510	\$ 130,000.00	\$ 100,000.00	-23.08
	CREDIT CARD EXPENSE	65-41-521	\$ -	\$ -	n/a
	DEPRECIATION	65-41-600		\$ -	n/a
	OFFICE OF CANAAN MOUNT WATER PROJECT	65-41-603		\$ 196,000.00	n/a
	Total Other Expenses:		\$ 281,700.00	\$ 523,988.00	86.01
Capital and Debt					
	BUILDINGS	65-41-720	\$ 10,000.00	\$ 10,000.00	0
	EQUIPMENT - OFFICE	65-41-741	\$ 3,200.00	\$ -	-100
	RESERVE PURCHASES	65-41-780		\$ -	n/a
	INTEREST	65-41-820		\$ -	n/a
	DEBT SERVICE - VEHICLE & EQUIP	65-41-850	\$ 11,000.00	\$ 20,000.00	81.82
	Total Capital and Debt:		\$ 24,200.00	\$ 30,000.00	23.97
Transfers and Other Financing					
	AUTOMATIC PAYMENT INCENTIVE	65-41-900	\$ 3,000.00	\$ 3,000.00	0
	SURVEY INCENTIVE PROGRAM	65-41-901	\$ 11,000.00	\$ 5,000.00	-54.55
	TRANSFERS TO RESERVE FUNDS	65-41-960	\$ 27,000.00	\$ 27,000.00	0
	Total Transfers and Other Financing:		\$ 41,000.00	\$ 35,000.00	-14.63
	Total Joint Administration Fund:		\$ 950,932.00	\$ 1,296,888.00	36.38
Gen Govt Administration					
Salaries and Wages					
	ATTORNEY SALARY	65-41-117	\$ 40,000.00	\$ -	-100
	Total Salaries and Wages:		\$ 40,000.00	\$ -	-100
Other Expenses					
	PRINT AND POSTAGE	65-41-144	\$ 10,000.00	\$ 10,000.00	0
	MERCHANT PROCESSING	65-41-160	\$ 30,000.00	\$ 30,000.00	0
	CAPITAL BUILDING	65-41-165	\$ 2,000.00	\$ 15,000.00	650
	CAPITAL EQUIPMENT	65-41-170	\$ 3,000.00	\$ 15,000.00	400
	CAPITAL RESERVES PURCHASES	65-41-175	\$ 12,000.00	\$ 20,000.00	66.67
	AUDITOR	65-41-313	\$ 25,000.00	\$ 27,000.00	8
	LEGAL - GENERAL	65-41-315	\$ 5,000.00	\$ 5,000.00	0
	INFORMATION TECHNOLOGY - CONS	65-41-317	\$ -	\$ 7,000.00	n/a
	INFORMATION TECHNOLOGY - SOFTW	65-41-318	\$ -	\$ 12,000.00	n/a
	INFORMATION TECHNOLOGY - SYSTE	65-41-319	\$ -	\$ -	n/a
	Total Other Expenses:		\$ 87,000.00	\$ 141,000.00	62.07
	Total Gen Govt Administration:		\$ 127,000.00	\$ 141,000.00	11.02
	Total Expenditures:		\$ 1,077,932.00	\$ 1,437,888.00	33.39

FY 21 Water Revenue	Account Description	ACCOUNT#	FY20 Budgeted	FY21 (In Progress)	FY21 Percent
Operating Revenues					
	WATER SALES - METERED	81-37-111	\$ 247,279.00	\$ 280,000.00	13.23
	WATER SALES - UNASSURED	81-37-115		\$ -	n/a
	WATER SALES - FLAT RATE	81-37-121	\$ 327,651.00	\$ 327,651.00	0
	CONSTRUCTION REVENUE	81-37-160		\$ -	n/a
	CONNECTION CHARGES	81-37-331	\$ 25,000.00	\$ 25,000.00	0
	CONSTRUCTION	81-37-332	\$ 62,400.00	\$ 50,000.00	-19.87
	INTEREST	81-37-411	\$ 3,600.00	\$ 3,600.00	0
	PENALTIES	81-37-412	\$ 50,000.00	\$ 110,000.00	120
	IMPACT FEE - UT	81-37-451		\$ 10,000.00	n/a
	IMPACT FEE - AZ	81-37-452		\$ 10,000.00	n/a
	Total Operating Revenues:		\$ 715,930.00	\$ 816,251.00	14.01
Contributions and Transfers					
	TRANSFERS FROM R&R RESERVE	81-38-102		\$ -	n/a
	CONTRIBUTED CAPITAL	81-38-200		\$ -	n/a
	TRANSFERS FROM R&R RESERVES	81-38-450	\$ 150,000.00	\$ 150,000.00	0
	CONTINGENCY	81-38-999	\$ 200,000.00	\$ 200,000.00	0
	Total Contributions and Transfers:		\$ 350,000.00	\$ 350,000.00	0
Non-operating Revenues					
	SUNDRY NON-OPERATING REVENUE	81-38-440	\$ 5,000.00	\$ 5,000.00	0
	Total Non-operating Revenues:		\$ 5,000.00	\$ 5,000.00	0
Total Revenue:			\$ 1,070,930.00	\$ 1,171,251.00	9.37
Expenditures					
Water					
Salaries and Wages					
	SALARIES-PERMANENT EMPLOYEES	81-41-110		\$ -	n/a
	Total Salaries and Wages:			\$ -	n/a
Other Expenses					
	BOOKS, SUBSCR, & MEMBERSHIPS	81-41-210	\$ 1,500.00	\$ 1,500.00	0
	TRAVEL	81-41-230	\$ 4,600.00	\$ 4,600.00	0
	FOOD & REFRESHMENT	81-41-235	\$ 600.00	\$ -	-100
	EQUIPMENT SUPPLIES & MAINT	81-41-250	\$ 16,000.00	\$ 16,000.00	0
	FUEL	81-41-257	\$ 200.00	\$ 200.00	0
	TOOLS & EQUIPMENT-NON CAPITA	81-41-260	\$ 5,000.00	\$ 5,000.00	0
	MAINT & SUPPLY - SYSTEM	81-41-273	\$ 58,000.00	\$ 58,000.00	0
	CAPITAL INFRASTRUCTURE INVESTI	81-41-280		\$ 120,600.00	n/a
	POWER	81-41-285	\$ 80,000.00	\$ 125,000.00	56.25
	ENGINEER	81-41-311	\$ 5,000.00	\$ 30,000.00	500
	LABORATORY & TESTING	81-41-314	\$ 8,000.00	\$ 8,000.00	0
	LEGAL - GENERAL	81-41-315	\$ 1,000.00	\$ 1,000.00	0
	EDUCATION	81-41-330	\$ 4,000.00	\$ 4,000.00	0
	SYSTEM CONSTRUCTION SERVICES	81-41-340	\$ 2,000.00	\$ -	-100
	CONST-CUSTOMER'S INSTALLATION	81-41-341	\$ 62,400.00	\$ 62,400.00	0
	COMMODITY SUPPLY	81-41-431		\$ -	n/a
	SPECIAL DEPT SUPPLIES	81-41-432	\$ 18,500.00	\$ 18,500.00	0
	RENT OR LEASE	81-41-580	\$ -	\$ 2,500.00	n/a
	DEPRECIATION	81-41-600		\$ -	n/a
	BAD DEBT EXPENSE	81-42-560	\$ 2,000.00	\$ 2,000.00	0
	TRANSFERS TO JOINT ADMIN FUND	81-42-911	\$ 305,130.00	\$ 485,064.00	58.97
	TRANSFERS TO LITIGATION	81-42-912	\$ 17,900.00	\$ 17,900.00	0
	TRANSFERS TO GF ADMIN	81-42-913		\$ -	n/a
	TRANSFERS TO 2017 JMT RES FUND	81-42-914	\$ 13,300.00	\$ 13,300.00	0
	Total Other Expenses:		\$ 605,130.00	\$ 975,564.00	61.22
Capital and Debt					
	IMPROVEMENTS OTHER THAN BLD	81-42-730	\$ 2,200.00	\$ 2,200.00	0
	EQUIPMENT - FIELD	81-42-742	\$ 2,500.00	\$ 2,500.00	0
	SP PROJECTS CAPITAL	81-42-750		\$ -	n/a
	INVENTORY	81-42-760		\$ -	n/a
	RESERVE PURCHASES	81-42-780		\$ -	n/a
	PRINC. & INT W.RIGHTS LOAN	81-42-815	\$ 41,300.00	\$ 41,300.00	0
	Total Capital and Debt:		\$ 46,000.00	\$ 46,000.00	0
Transfers and Other Financing					
	TRANSFERS TO RESERVE FUNDS	81-42-960	\$ 69,800.00	\$ 69,800.00	0
	CONTINGENCY	81-42-999	\$ 200,000.00	\$ 200,000.00	0
	Total Transfers and Other Financing:		\$ 269,800.00	\$ 269,800.00	0
Total Water:			\$ 920,930.00	\$ 1,291,364.00	40.22
Gas					
Other Expenses					
	2019 WATER GRANT	81-41-434	\$ -	\$ -	n/a
	Total Other Expenses:		\$ -	\$ -	n/a
Total Gas:			\$ -	\$ -	n/a
Municipal Court					
Capital and Debt					
	AZ STATE TAX SETTLEMENT	81-42-755	\$ 150,000.00	\$ -	-100
	Total Capital and Debt:		\$ 150,000.00	\$ -	-100
	Total Municipal Court:		\$ 150,000.00	\$ -	-100
Total Expenditures:			\$ 1,070,930.00	\$ 1,291,364.00	20.58

Sewer Fund Fiscal Year 2021 Revenue	Account Description	ACCOUNT I	FY20 Budgeted	FY21 (In Progress)	FY21 Percent
Operating Revenues					
	SERVICE CHARGES	82-37-311	\$ 640,265.00	\$ 640,265.00	0
	SERVICE CHARGES - CPMCWID	82-37-312	\$ 145,000.00	\$ 145,000.00	0
	CONNECTION CHARGES	82-37-331	\$ 10,000.00	\$ 10,000.00	0
	SERVICING CUSTOMER INSTALL	82-37-332	\$ 20,000.00	\$ 10,000.00	-50
	INTEREST	82-37-411	\$ 4,500.00	\$ 4,500.00	0
	INTEREST EARNINGS (LOAN)	82-37-412		\$ -	n/a
	IMPACT FEE	82-37-451	\$ 10,000.00	\$ 10,000.00	0
	IMPACT FEE - CPMCWID	82-37-452	\$ 10,000.00	\$ 25,000.00	150
	Total Operating Revenues:		\$ 839,765.00	\$ 844,765.00	0.6
Contributions and Transfers					
	TRANSFERS FROM R&R RESERVE	82-38-102	\$ 55,000.00	\$ 255,100.00	363.82
	CONTINGENCY	82-38-999	\$ 200,000.00	\$ 200,000.00	0
	Total Contributions and Transfers:		\$ 255,000.00	\$ 455,100.00	78.47
Non-operating Revenues					
	SUNDRY NON-OPERATING REVENUE	82-37-440	\$ -	\$ -	n/a
	SUNDRY NON-OPERATING REVENUE	82-38-440		\$ -	n/a
	APPROP - UTILITY FUND BALANCE	82-38-901		\$ -	n/a
	Total Non-operating Revenues:		\$ -	\$ -	n/a
Total Revenue:			\$ 1,094,765.00	\$ 1,299,865.00	18.73
Expenditures					
Sewer					
Salaries and Wages					
	SALARIES-PERMANENT EMPLOYEES	82-41-110		\$ -	n/a
	Total Salaries and Wages:			\$ -	n/a
Other Expenses					
	BOOKS, SUBSCR, & MEMBERSHIPS	82-41-210	\$ 500.00	\$ 3,000.00	500
	ASSOCIATION MEMBERSHIPS	82-41-215		\$ 500.00	n/a
	TRAVEL	82-41-230	\$ 4,600.00	\$ 3,000.00	-34.78
	FOOD & REFRESHMENT	82-41-235		\$ -	n/a
	EQUIPMENT SUPPLIES & MAINT	82-41-250	\$ 8,000.00	\$ 8,000.00	0
	FUEL	82-41-257	\$ 2,500.00	\$ 2,500.00	0
	TOOLS & EQUIPMENT-NON CAPITAL	82-41-260	\$ 7,000.00	\$ 7,000.00	0
	MAINTENANCE & SUPPLY - SYSTEM	82-41-273	\$ 55,000.00	\$ 55,000.00	0
	CAPITAL INFRASTRUCTURE INVESTMENT	82-41-280		\$ 175,000.00	n/a
	POWER	82-41-285	\$ 36,000.00	\$ 36,000.00	0
	ENGINEER	82-41-311	\$ 500.00	\$ 500.00	0
	LABORATORY & TESTING	82-41-314	\$ 1,500.00	\$ 1,500.00	0
	LEGAL - GENERAL	82-41-315	\$ 1,000.00	\$ 1,000.00	0
	EDUCATION	82-41-330	\$ 5,000.00	\$ 5,000.00	0
	SYSTEM CONSTRUCTION SERVICES	82-41-340	\$ 5,000.00	\$ 5,000.00	0
	CONST-CUSTOMER'S INSTALLATION	82-41-341	\$ 20,000.00	\$ 10,000.00	-50
	DEPRECIATION	82-41-600		\$ -	n/a
	PROPERTY RENT/LEASE	82-42-523		\$ -	n/a
	BAD DEBT EXPENSE	82-42-560	\$ 1,500.00	\$ 1,500.00	0
	Total Other Expenses:		\$ 148,100.00	\$ 314,500.00	112.36
Capital and Debt					
	MAINT & SUPPLY EQUIPMENT	82-41-274		\$ -	n/a
	RESERVE PURCHASES	82-41-780		\$ -	n/a
	LAND	82-42-710		\$ -	n/a
	BUILDINGS	82-42-720	\$ 5,000.00	\$ 5,000.00	0
	EQUIPMENT - FIELD	82-42-742	\$ 5,400.00	\$ 5,400.00	0
	INVENTORY	82-42-760		\$ -	n/a
	RESERVE PURCHASES	82-42-780	\$ 55,000.00	\$ 55,000.00	0
	PRINCIPAL ON BONDS - RDA A	82-42-811		\$ -	n/a
	PRINCIPAL ON BONDS - RDA B	82-42-812	\$ 33,500.00	\$ 33,500.00	0
	PRINCIPAL ON BONDS - RDA - C	82-42-813	\$ 6,400.00	\$ 6,400.00	0
	PRINCIPAL ON BONDS - DWQ	82-42-816	\$ 80,000.00	\$ 80,000.00	0
	INTEREST ON BONDS - RDA A	82-42-821		\$ -	n/a
	INTEREST ON BONDS - RDA - B	82-42-822	\$ 69,300.00	\$ 69,300.00	0
	INTEREST ON BONDS - RDA - C	82-42-823	\$ 13,100.00	\$ 13,100.00	0
	OTHER DEBT SERVICE	82-42-890		\$ -	n/a
	Total Capital and Debt:		\$ 267,700.00	\$ 267,700.00	0
Transfers and Other Financing					
	TRANSFERS TO JOINT ADMIN FUND	82-42-911	\$ 460,000.00	\$ 485,064.00	5.45
	TRANSFERS TO LITIGATION	82-42-912	\$ 17,900.00	\$ 17,900.00	0
	TRANSFERS TO GF ADMIN	82-42-913		\$ -	n/a
	TRANSFERS TO 2017 JMT RES FUND	82-42-914	\$ 13,300.00	\$ 13,300.00	0
	LOAN TO HILDALE CITY FIBER FUND	82-42-950		\$ -	n/a
	TRANSFERS TO RESERVE FUNDS	82-42-960	\$ 92,900.00	\$ -	-100
	CONTINGENCY	82-42-999	\$ 200,000.00	\$ 200,000.00	0
	Total Transfers and Other Financing:		\$ 784,100.00	\$ 716,264.00	-8.65
Total Sewer:			\$ 1,199,900.00	\$ 1,298,464.00	8.21
Total Expenditures:			\$ 1,199,900.00	\$ 1,298,464.00	8.21

Gas Fund Fiscal Year 2021	Account Description	ACCOUNT I	FY20 Budgeted	FY21 (In Progress)	FY21 Percent
Revenue					
Operating Revenues					
	GAS SALES - METERED NAT GAS	84-37-111	\$ 150,000.00	\$ 150,000.00	0
	GAS SALES - METERED PROPANE	84-37-112	\$ 379,874.00	\$ 379,874.00	0
	GAS SALES - CYLINDER	84-37-113	\$ 10,600.00	\$ 10,600.00	0
	GAS SALES - CYLINDER EXCHANGE	84-37-114	\$ 3,500.00	\$ 3,500.00	0
	NATURAL GAS SALES - FLAT RATE	84-37-121	\$ 25,000.00	\$ 25,000.00	0
	PROPANE GAS - FLAT RATE	84-37-122	\$ 34,000.00	\$ 34,000.00	0
	CONSTRUCTION REVENUE	84-37-160	\$ 125,000.00	\$ 125,000.00	0
	CONNECTION CHARGES	84-37-331	\$ 5,000.00	\$ 5,000.00	0
	SUNDRY OPERATING REVENUE	84-37-351	\$ 47,000.00	\$ 47,000.00	0
	LOAN INTEREST REVENUE	84-37-352		\$ -	n/a
	INTEREST	84-37-411	\$ 3,500.00	\$ 3,500.00	0
	PENALTIES	84-37-412	\$ 25,000.00	\$ 35,000.00	40
	Total Operating Revenues:		\$ 808,474.00	\$ 818,474.00	1.24
Contributions and Transfers					
	TRANSFERS FROM R&R RESERVE	84-38-102	\$ 180,000.00	\$ 367,261.00	104.03
	CONTINGENCY	84-38-999	\$ 200,000.00	\$ 200,000.00	0
	Total Contributions and Transfers:		\$ 380,000.00	\$ 567,261.00	49.28
Non-operating Revenues					
	APPROP - UTILITY FUND BALANCE	84-38-901	\$ 22,000.00	\$ 22,000.00	0
	Total Non-operating Revenues:		\$ 22,000.00	\$ 22,000.00	0
Total Revenue:			\$ 1,210,474.00	\$ 1,407,735.00	16.3
Expenditures					
Gas					
Salaries and Wages					
	SALARIES-PERMANENT EMPLOYEES	84-41-110		\$ -	n/a
	BENEFITS-OTHER	84-41-140	\$ 3,000.00	\$ -	-100
	Total Salaries and Wages:		\$ 3,000.00	\$ -	-100
Other Expenses					
	BOOKS, SUBSCR, & MEMBERSHIPS	84-41-210	\$ 2,000.00	\$ 3,500.00	75
	TRAVEL	84-41-230	\$ 4,000.00	\$ 4,000.00	0
	FOOD & REFRESHMENT	84-41-235		\$ -	n/a
	EQUIPMENT SUPPLIES & MAINT	84-41-250	\$ 5,000.00	\$ 5,000.00	0
	FUEL	84-41-257	\$ 1,500.00	\$ 1,500.00	0
	TOOLS & EQUIPMENT-NON CAPITAL	84-41-260	\$ 5,000.00	\$ 5,000.00	0
	MAINT & SUPPLY SYSTEM	84-41-273	\$ 11,700.00	\$ 11,700.00	0
	POWER	84-41-285	\$ 1,000.00	\$ 1,000.00	0
	PROFESSIONAL & TECHNICAL	84-41-310	\$ -	\$ -	n/a
	ENGINEER	84-41-311		\$ -	n/a
	EDUCATION	84-41-330	\$ 8,000.00	\$ 8,000.00	0
	SYSTEM CONSTRUCTION SERVICES	84-41-340		\$ -	n/a
	CONST-CUSTOMER'S INSTALLATION	84-41-341	\$ 125,000.00	\$ 125,000.00	0
	NATURAL GAS COMMODITY SUPPLY	84-41-431	\$ 65,000.00	\$ 65,000.00	0
	PROPANE GAS COMMODITY SUPPLY	84-41-432	\$ 250,000.00	\$ 250,000.00	0
	NAT GAS COMMODITY TRANSPORT	84-41-434	\$ 19,000.00	\$ 19,000.00	0
	SPECIAL UTILITY PROJECTS	84-41-440		\$ -	n/a
	INSURANCE	84-41-510		\$ -	n/a
	RENT OR LEASE	84-41-580	\$ 4,500.00	\$ 4,500.00	0
	DEPRECIATION	84-41-600		\$ -	n/a
	MISC. SUPPLIES	84-41-610		\$ -	n/a
	BAD DEBT EXPENSE	84-42-560	\$ 600.00	\$ 600.00	0
	Total Other Expenses:		\$ 502,300.00	\$ 503,800.00	0.3
Capital and Debt					
	SP PROJECTS CAPITAL	84-41-750		\$ -	n/a
	SP PROJECTS CAPITAL	84-42-750	\$ 37,000.00	\$ 37,000.00	0
	INVENTORY	84-42-760		\$ -	n/a
	RESERVE PURCHASES	84-42-780	\$ 180,000.00	\$ 180,000.00	0
	OTHER DEBT SERVICE	84-42-890		\$ -	n/a
	Total Capital and Debt:		\$ 217,000.00	\$ 217,000.00	0
Transfers and Other Financing					
	TRANSFERS TO JOINT ADMIN FUND	84-42-911	\$ 312,802.00	\$ 485,063.00	55.07
	TRANSFERS TO LITIGATION	84-42-912	\$ 17,900.00	\$ 17,900.00	0
	TRANSFERS TO GF ADMIN	84-42-913		\$ -	n/a
	TRANSFERS TO 2017 JMT RES FUND	84-42-914	\$ 13,600.00	\$ 13,600.00	0
	TRANSFERS TO RESERVE FUNDS	84-42-960	\$ 98,200.00	\$ 98,200.00	0
	TRANSFER TO CC FIBER OPTIC SERVICES	84-42-970		\$ 15,000.00	n/a
	CONTINGENCY	84-42-999	\$ 200,000.00	\$ 200,000.00	0
	Total Transfers and Other Financing:		\$ 642,502.00	\$ 829,763.00	29.15
Total Gas:			\$ 1,364,802.00	\$ 1,550,563.00	13.61
Joint Administration Fund					
Other Expenses					
	UTILITIES	84-41-280	\$ -	\$ 500.00	n/a
	Total Other Expenses:		\$ -	\$ 500.00	n/a
	Total Joint Administration Fund:		\$ -	\$ 500.00	n/a
Total Expenditures:			\$ 1,364,802.00	\$ 1,551,063.00	13.65

Fiber Fund Fiscal Year 2021	Account Description	ACCOUNT ID	FY21 (In Progress)
Revenue			
Operating Revenues			
	FIBER SALES	90-37-111	\$ 5,000.00
	CONNECTION CHARGES	90-37-331	\$ 1,000.00
	CONSTRUCTION	90-37-332	\$ 10,000.00
	Total Operating Revenues:		\$ 16,000.00
Total Revenue:			\$ 16,000.00
Expenditures			
Fund 90			
Other Expenses			
	EQUIPMENT SUPPLIES & MAINT	90-41-250	\$ 300.00
	MAINT & SUPPLY SYSTEM	90-41-273	\$ 6,000.00
	PROFESSIONAL & TECHNICAL	90-41-310	\$ 1,000.00
	LEGAL-GENERAL	90-41-315	\$ 3,000.00
	INTEREST	90-41-530	\$ 200.00
	CONTINGENCY	90-41-999	\$ 10,000.00
	Total Other Expenses:		\$ 20,500.00
Total Fund 90:			\$ 20,500.00
Joint Administration Fund			
Other Expenses			
	TOOLS & EQUIPMENT-NON CAPITAL	90-41-260	\$ 3,000.00
	Total Other Expenses:		\$ 3,000.00
Total Joint Administration Fund:			\$ 3,000.00
Gas			
Other Expenses			
	CONST-CUSTOMER'S INSTALLATION	90-41-341	\$ -
	FIBER COMMODITY SUPPLY	90-41-431	\$ -
	Total Other Expenses:		\$ -
Total Gas:			\$ -
Water			
Other Expenses			
	RENT OR LEASE	90-41-580	\$ 1,500.00
	Total Other Expenses:		\$ 1,500.00
Total Water:			\$ 1,500.00
Total Expenditures:			\$ 25,000.00

TOCC Fiber Fund Fiscal Year 2021 (Account Description)	ACCOUNT I	FY21 (In Progress)
Revenue		
Operating Revenues		
FIBER SALES	90-37-111	\$ -
CONNECTION CHARGES	90-37-331	\$ -
CONSTRUCTION	90-37-332	\$ -
Total Operating Revenues:		\$ -
Contributions and Transfers		
TRANSFERS FROM OTHER FUNDS	90-38-101	\$ 15,000.00
Total Contributions and Transfers:		\$ 15,000.00
Non-operating Revenues		
CONTINGENCY	90-38-999	\$ 10,000.00
Total Non-operating Revenues:		\$ 10,000.00
Total Revenue:		\$ 25,000.00
Expenditures		
Fund 90		
Other Expenses		
EQUIPMENT SUPPLIES & MAINT	90-41-250	\$ 300.00
MAINT & SUPPLY SYSTEM	90-41-273	\$ 6,000.00
PROFESSIONAL & TECHNICAL	90-41-310	\$ 1,000.00
LEGAL-GENERAL	90-41-315	\$ 3,000.00
INTEREST	90-41-530	\$ 200.00
CONTINGENCY	90-41-999	\$ 10,000.00
Total Other Expenses:		\$ 20,500.00
Total Fund 90:		\$ 20,500.00
Joint Administration Fund		
Other Expenses		
TOOLS & EQUIPMENT-NON CAPITAL	90-41-260	\$ 3,000.00
Total Other Expenses:		\$ 3,000.00
Total Joint Administration Fund:		\$ 3,000.00
Gas		
Other Expenses		
CONST-CUSTOMER'S INSTALLATION	90-41-341	\$ -
FIBER COMMODITY SUPPLY	90-41-431	\$ -
Total Other Expenses:		\$ -
Total Gas:		\$ -
Water		
Other Expenses		
RENT OR LEASE	90-41-580	\$ 1,500.00
Total Other Expenses:		\$ 1,500.00
Total Water:		\$ 1,500.00
Total Expenditures:		\$ 25,000.00



HCC UTILITY DEPARTMENT
MAKING CONNECTIONS

Budget Item Assignment Policy
Fiscal 2021

DRAFT

Hildale-Colorado City Utility Department
320 East Newel Avenue, Hildale UT 84784

Overview

The Hildale-Colorado City Utility Department would like to formalize specific funding narratives.

Joint Administration

65-41-110 ; Salaries- Permanent Employees

- This item shall reflect the annual salaries of permanent employees who deliver services to the Utility Department as a whole. This is a restricted item, and no other expenses shall be annotated here.

65-41-117 ; Attorney Salary

- This item shall reflect only the expenses incurred for permanent attorneys working for the Utility Department. This is a restricted item, and no other expenses shall be annotated here.

65-41-130 ; Payroll Taxes

- This item shall reflect only the expenses incurred for permanent employee payroll taxes for employees under the Joint Administration fund. This is a restricted item, and no other expenses shall be annotated here.

65-41-140 ; ~~Benefits-Other Retirement Benefits~~

- This item shall reflect expenses incurred for funding employee retirement accounts under the Joint Administration fund. This is Joint Administration restricted and may be used to fund other items relevant to employee benefits with Director approval.

65-41-141 ; Workers Compensation

- This item shall reflect expenses incurred for funding employee workers compensation under the Joint Administration fund. This is a restricted item, and no other expenses shall be annotated here.

65-41-142 ; Insurance Benefits- Non-Medical

- This item shall reflect expenses incurred for funding insurance benefits that are not related to medical insurance such as life insurance for employees under the Joint Administration fund. This is Joint Administration restricted and may be used to fund other items relevant to employee benefits with Director approval.

65-41-145 ; Insurance Benefits- Medical

- This item shall reflect expenses incurred for funding insurance benefits that are directly related to providing medical insurance to employees under the Joint Administration fund. This is Joint Administration restricted and may be used to fund other items relevant to employee benefits with Director approval.

65-41-146 ; Bonuses and Benefits-Other

- This item shall reflect expenses incurred for funding employee bonuses, or other tertiary benefits for employees under the Joint Administration fund. This is Joint Administration restricted and may be used to fund other items relevant to employee benefits with Director approval.

65-41-145 ; Print & Postage

- This item shall reflect expenses incurred for funding the printing, postage or other delivery services related to the delivery of billings for Utility Services. This is Joint Administration restricted and may be used to fund other items relevant to print and postage relating to Utility Services with Director approval.

65-41-150 ; Stipends- Utility Board

- This item shall reflect expenses incurred for funding stipends for board members who attend the regular board meetings. This is Joint Administration restricted and may be used to fund other items relevant to funding Utility Board Operations with Director approval.

65-41-160 ; Merchant Processing

- This item shall reflect expenses incurred for funding credit card processing or other vendor processing fees directly relating to the collection of Utility Billings. This is a restricted item, and no other expenses shall be annotated here.

65-41-165 ; Capital Building

- This item shall reflect expenses incurred for capitalized permanent improvements or replacements to the Utility Main Office. This shall include improvements or replacements of fixtures, walls, electrical, plumbing and other expenses directly related. This is Joint Administration restricted and may be used to fund other items relevant to funding Utility Main Office Improvements with Director approval.

65-41-170 ; Capital Equipment

- This item shall reflect expenses incurred for capitalized permanent equipment for the Utility Main Office. This shall include equipment such as HVAC, generators, security systems, AV systems, Televisions, Food Storage and Preparation. This is Joint Administration restricted and may be used to fund other items relevant to funding Utility Main Office Improvements with Director approval.

65-41-235 ; Food & Refreshment

- This item shall reflect expenses incurred for food and refreshments for employees, public meetings and other times where official work is being conducted. This item is fund unrestricted and other expenses related to food and refreshments may be annotated here with Director approval.

65-41-240 ; Office Expense & Supplies

- This item shall reflect expenses incurred for miscellaneous office supplies for administrative and technical staff. This item is fund unrestricted

65-41-250 ; Equipment Supplies & Maintenance Capitalized Technical Equipment & Maintenance

- This item shall reflect expenses incurred for capitalized equipment that may be subject to depreciation and require capital funding and replacement for Joint Administration Operations. This is Joint Administration restricted and may be used to fund other items relevant to funding Technical Equipment with Director approval.

65-41-251 ; Maintenance- Buildings, Vehicle

- This item shall reflect expenses incurred for maintenance of Joint Utility Offices, Facilities, and Vehicles. This is Joint Administration restricted and may be used to fund other items relevant to funding maintenance with Director approval.

65-41-250 ; Fuel Fuel & Utility Transportation

- This item shall reflect expenses incurred for fueling Joint Utility Vehicles, and reimbursements for employee transportation directly related to regular non-travel operations. This item is fund unrestricted and other expenses related to fuel or transportation may be annotated here with Director approval.

65-41-260 ; Tools & Equipment- Non-Capital

- This item shall reflect expenses incurred for non-capitalized equipment that is not fund specific used by either administrative or technical staff. This is Joint Administration restricted and may be used to fund other items relevant to funding Technical Equipment with Director approval.

65-41-280 ; Utilities

- This item shall reflect expenses incurred for power, water, sewer, gas and other related services for Joint Utility Offices and Facilities. This item is fund unrestricted and other expenses related to utility services may be annotated here with Director approval.

65-41-285 ; Power

- This item shall reflect expenses incurred for power, and other related services for Joint Utility Offices and Facilities. This item is fund unrestricted and other expenses related to utility services may be annotated here with Director approval.

65-41-310 ; Professional Technical

- This item is subject to elimination and its current allocation redistributed to the following items:
 - o 65-41-317 ; IT Software- Casselle, AutoCad, Email Licenses

65-41-313 ; Auditor

- This item shall reflect expenses incurred for annual auditing services under the Joint Utility Administration. This is a restricted item, and no other expenses shall be annotated here.

65-41-315 ; Legal

- This item shall reflect expenses incurred for legal services to include legal review from outside legal counsel, litigation defense/support and contract generation. This item is fund unrestricted and other expenses related to legal services may be annotated here with Director approval.

65-41-317 ; Information Technology- Consulting

- This item shall reflect expenses incurred for consults or contractors who provide services relating to information technology. This item is fund unrestricted and other expenses relating to consulting or information technology may be annotated here with Director approval.

65-41-318 ; Information Technology- Software

- This item shall reflect expenses incurred for purchasing, renting or leasing software or online programs, including internet services, that support Department functions. This item is fund unrestricted and other expenses relating to computer software may be annotated here with Director approval.

65-41-319 ; Information Technology- System

- Awaiting further information from Hildale City Manager

65-41-330 ; Education

- This item shall reflect expenses incurred for employee education and training under the Joint Utility Administration. This item is fund unrestricted and other expenses related to education may be annotated here with Director approval.

65-41-510 ; Insurance

- This item shall reflect expenses incurred for insurance coverage for commercial activities, vehicle and equipment operation, financial operations, and any other utility related activities. This item is fund unrestricted and other expenses related to Insurance may be annotated here with Director approval.

65-41-603 ; Office of Canaan Mountain Water Project

- This item shall reflect the expenses incurred from costs of personnel, services and equipment for the project office. This item is fund unrestricted and other expenses related to our Canaan Mountain Water Project may be reflected here. 65-

65-41-720 ; Buildings Improvement

- This item shall reflect expenses incurred for non-capitalized building improvements. This item is fund unrestricted and other expenses related to Buildings may be annotated here with Director approval.

65-41-741 ; Equipment – Office

- This item is subject to elimination and its current allocation redistributed to the following items: Tools and Equipment and Maintenance Non-capital ; 65-41-260

65-41-780 ; Reserve Purchases

- This item shall reflect transfers of reserve funds for purchases under the Joint Utility Administration. This item is normally unfunded.

65-41-901 ; Promotional Surveys

- This item shall reflect expenses related to the production, distribution and award of promotional items to our customers. This item is fund unrestricted and other expenses related to promotions may be annotated here with Director approval.

65-41-900 ; Automatic Payment Rebate

- This item is a temporary funding mechanism to encourage customers to register for online bill payments. This item is fund unrestricted and other expenses related to customer rebates may be annotated here with Director approval.

65-41-850 ; Debt Service- Vehicles & Equipment

- This item shall reflect expenses incurred for payments on debt for vehicles and equipment under the Joint Utility Administration. This is Joint Administration restricted and may be used to fund other items relevant to funding debt service with Director approval.

65-41-960 ; Transfers to Reserve funds

- This item shall reflect transfers to cash reserve funds for capital spending, contingency or other purpose deemed necessary by the Director. funds are generally transferred at the conclusion of the fiscal year. funds may be appropriated with Board approval and public notice.

Water Department

81-37-111 ; Water Sales- Metered

- This item shall reflect revenue from metered usage water sales to culinary water customers within the boundary of Hildale and Colorado City. This item is restricted and no other revenue shall be reflected here.

81-37-121 ; Water Sales- Flat Rate

- This item shall reflect revenue from base rates for availability of culinary water use to customers within the municipal boundary of Hildale and Colorado City. This item is restricted and no other revenue shall be reflected here.

81-37-331 ; Connection Charges

- This item shall reflect the revenue from the connection of new customers or reconnection of existing customers who have had their water service temporarily shut off.

81-37-332 ; Construction & Repair

- This item shall reflect the revenue from construction and repair services provided to customers for the installation and repair of their systems. This item is Water Department restricted and may be used to fund other items relevant to water construction services.

81-37-411 ; Interest

- This item shall reflect to revenue from interest bearing accounts directly related to the Water Department. This item is restricted and no other revenue shall be reflected here.

81-37-412 ; Penalties

- This item shall reflect revenue from penalty fees levied against customer accounts for late payments, ordinance and regulation violations, and legal settlements. This item is restricted and no other revenue shall be reflected here.

81-37-451 ; Impact Fees- UT

- This item shall reflect impact fees collected in the state of Utah. This item is restricted and no other revenue shall be reflected here.

81-37-452 ; Impact Fees- AZ

- This item shall reflect impact fees collected in the state of Arizona. This item is restricted and no other revenue shall be reflected here.

Non-Operating Revenue

81-37-440 ; Sundry Non-Operating Revenue

81-38-450 ; Transfers from Reserves

- This item shall reflect a transfer from reserves and shall be offset Reserve Purchase to annotate what the funds were used for. Amounts annotated here should reflect a change in cash positions.

81-38-999 ; Contingency

- This item shall reflect a budget contingency directly reflected in a contingency expense. However this item may be subject to elimination.

Operating Expenses

81-41-110 ; Salaries-Permanent Employees

- This item shall reflect expenses relating to payment of salaries specific to the Water Department. Until Department expansion this item is likely to remain unfunded. This item is restricted an no other expense shall be reflected here.

81-41-210 ; ~~Books, Subscription & Memberships~~ Training/Reference Materials and Subscriptions

- This item shall reflect expenses relating to training and reference materials, or subscriptions to training materials that are not included in the base costs of memberships. This item shall include the cost of training attendance fees, but will NOT cover travel expenses to distance training events. This item is restricted and no other expense shall be reflected here.

81-41-215 ; *Association Memberships*

- This item shall reflect expenses directly relating to association and membership fees in which, the Department is participating. This item is restricted and no other expense shall be reflected here.

81-41-230 ; *Travel*

- This item shall reflect expenses directly relating travel costs that include but are not limited to, transportation, lodging, and per diem meals. This item is restricted and no other expense shall be reflected here.

81-41-235 ; *Food & Refreshment*

- This item is subject to elimination and its current allocation redistributed to the following item:
 - o 65-41-235 Food & Refreshment

81-41-250 ; *Equipment, Supplies & Maintenance*

- This item shall reflect expenses directly relating to non-additive equipment, supplies and maintenance that does NOT add or replace installed capital infrastructure. This item is restricted and no other expense shall be reflected here.

81-41-257 ; *Fuel*

- This item shall reflect the cost of fuel to machinery and equipment of the Water Department. This item is fund unrestricted and can be expensed to provide fuel funds to Department vehicles and machinery if used in Water Department Operations at the discretion of the Director.

81-41-260 ; *Tools & Equipment- Non Capital*

- This item shall reflect the cost of equipment under the capital requirement assigned to the Water Department. This item is restricted and no other expense shall be reflected here.

81-41-273 ; *Maintenance and Supply-System*

- This item shall reflect expenses that are additive and replacements of installed capital infrastructure. This item is restricted and no other expenses shall be reflected here.

81-41-280 ; *Capital Infrastructure Investment*

- This item shall reflect the cost of replacement of capitalized infrastructure based on the Capital Infrastructure Replacement Plan. This item is fund unrestricted and can be used for emergency repairs or response with the approval of the Director.

81-41-185 ; Power

- This item shall reflect the cost of power to the water treatment facility, and any other water department specific facilities. This item is restricted and no other expenses shall be reflected here.

81-41-311 ; Engineer

- This item shall reflect the cost of engineering services related to Water Department operations or projects. This item is fund unrestricted and can be used for engineering services for other projects with the approval of the Director.

81-41-314 ; Laboratory & Testing

- This item shall reflect the cost of regulatory and exploratory water sample testing from qualified labs, certified laboratory technicians or qualified products. This item is fund unrestricted and can be used for laboratory and testing for other projects with the approval of the Director.

81-41-315 ; Legal- General

- This item is subject to elimination and funding is subject to transfer to Legal-General in the Joint Administration fund
 - o 65-41-315 ; Legal General

81-41-330 ; Education

- This item shall reflect the cost operator education and training for the Water Department. This shall NOT include transportation or other travel costs. This item is fund unrestricted and can be used for general education for operators with the approval of the Director.

81-41-340 ; System Construction Services

- This item is subject to elimination and funding is subject to transfer to Capital Infrastructure Replacement and Construction in the Water fund
 - o 81-41-275 ; Capital Infrastructure Replacement and Construction

81-41-341 ; Construction- Customer's Installation

- This item shall reflect the cost of installation of customers' water services and is an offset account with the Water fund Revenue 81-37-332 ; Construction & Repair. This item reflects the cost of materials, labor and administrative costs of providing construction and repair services.

81-41-432 ; Special-Department-Supplies-Water Treatment Chemicals & Supplies

- This item shall reflect the cost of consumable treatment chemicals and supplies for our culinary water systems. This item is fund unrestricted and other expenses related to water treatment may be reflected here with Director approval.

81-41-580 ; Rent or Lease

- This item shall reflect the cost of rental or leases that support the Water Department. This item restricted and no other expenses shall be reflected here.

Non-Operating Expenses

81-42-560 ; Bad Debt Expense

- This item shall reflect the cost of expensing debt and uncollectable receivables from Water Department revenues. This item shall be restricted and no other expenses shall be reflected here.

81-42-730 ; Improvements Other Than Buildings

- This item shall reflect the cost of improvements that are not building improvements.

81-42-742 ; Equipment-Field

- This item shall reflect the cost of water department specific equipment purchases that are outfitted for field duty only. This item is restricted to non-capitalized expenses. This item is further restricted and no other expenses shall be reflected here.

81-42-780 ; Reserve Purchases

- This item is subject to elimination and funding is subject to transfer to significant revision

81-42-815 ; Principle and Interest with Water Rights Loan

- This item shall reflect the cost of interest and principle payments on the Water Rights loans exclusively. This item is restricted and no other expenses shall be reflected here.

81-42-911 ; Transfers to Joint Administration fund

- This item shall reflect the fund transfers made to cover the expenses cost of the Joint Administration fund exclusively. This item is restricted and no other expenses shall be reflected here.

81-42-912 ; Transfers to Litigation

- This item shall reflect the fund transfers to a joint litigation fund exclusively. This item is restricted and no other expenses shall be reflected here.

81-42-912 ; Transfers to Judgment Mitigation Resolution fund

- This item shall reflect the fund transfers to a Judgement Resolution fund exclusively. This item is restricted and no other expenses shall be reflected here.

81-42-960 ; Transfers to Reserve funds

- This item is subject to elimination and funding is subject to transfer to significant revision

81-42-999 ; Contingency

- This item is a contingency buffer for annual state reporting budgetary purposes. This item is restricted to Director or Board Approved actions only.

Sewer Department

82-37-311 ; Service Charges

- This item shall reflect revenue from wastewater services to culinary water customers within the boundary of Hildale and Colorado City. This item is restricted and no other revenue shall be reflected here.

82-37-312 ; Service Charges - CPMCWID

- This item shall reflect the revenue from wastewater services provided to the Centennial Park Water Improvement District. This item is restricted and no other revenue shall be reflected here.

82-37-331 ; Connection Charges

- This item shall reflect the revenue from the connection of new customers or reconnection of existing customers.

82-37-332 ; Construction & Repair

- This item shall reflect the revenue from construction and repair services provided to customers for the installation and repair of their systems. This item is Sewer Department restricted and may be used to fund other items relevant to Sewer construction services.

82-37-411 ; Interest

- This item shall reflect to revenue from interest bearing accounts directly related to the Sewer Department. This item is restricted and no other revenue shall be reflected here.

82-37-451 ; Impact Fees- UT

- This item shall reflect impact fees collected in the state of Utah. This item is restricted and no other revenue shall be reflected here.

82-37-452 ; Impact Fees- AZ

- This item shall reflect impact fees collected in the state of Arizona. This item is restricted and no other revenue shall be reflected here.

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Non-Operating Revenue

82-37-440 ; Sundry Non-Operating Revenue

82-38-450 ; Transfers from Reserves

- This item shall reflect a transfer from reserves and shall be offset Reserve Purchase to annotate what the funds were used for. Amounts annotated here should reflect a change in cash positions.

82-38-999 ; Contingency

- This item shall reflect a budget contingency directly reflected in a contingency expense. However this item may be subject to elimination.

Operating Expenditures

82-41-110 ; Salaries-Permanent Employees

- This item shall reflect expenses relating to payment of salaries specific to the Sewer Department. Until Department expansion this item is likely to remain unfunded. This item is restricted and no other expense shall be reflected here.

82-41-210 ; ~~Books, Subscription & Memberships~~ Training/Reference Materials and Subscriptions

- This item shall reflect expenses relating to training and reference materials, or subscriptions to training materials that are not included in the base costs of memberships. This item shall include the cost of training attendance fees, but will NOT cover travel expenses to distance training events. This item is restricted and no other expense shall be reflected here.

82-41-215 ; Association Memberships

- This item shall reflect expenses directly relating to association and membership fees in which, the Department is participating. This item is restricted and no other expense shall be reflected here.

82-41-230 ; Travel

- This item shall reflect expenses directly relating travel costs that include but are not limited to, transportation, lodging, and per diem meals. This item is restricted and no other expense shall be reflected here.

82-41-250 ; Equipment, Supplies & Maintenance

- This item shall reflect expenses directly relating to non-additive equipment, supplies and maintenance that does NOT add or replace installed capital infrastructure. This item is restricted and no other expense shall be reflected here.

82-41-257 ; Fuel

- This item shall reflect the cost of fuel to machinery and equipment of the Sewer Department. This item is fund unrestricted and can be expensed to provide fuel funds to Department vehicles and machinery if used in Sewer Department Operations at the discretion of the Director.

82-41-260 ; Tools & Equipment- Non Capital

- This item shall reflect the cost of equipment under the capital requirement assigned to the Sewer Department. This item is restricted and no other expense shall be reflected here.

82-41-273 ; Maintenance and Supply-System

- This item shall reflect expenses that are additive and replacements of installed capital infrastructure. This item is restricted and no other expenses shall be reflected here.

82-41-280 ; Capital Infrastructure Investment

- This item shall reflect the cost of replacement of capitalized infrastructure based on the Capital Infrastructure Replacement Plan. This item is fund unrestricted and can be used for emergency repairs or response with the approval of the Director.

82-41-185 ; Power

- This item shall reflect the cost of power to the wastewater treatment facility, and any other sewer department specific facilities. This item is restricted and no other expenses shall be reflected here.

82-41-311 ; Engineer

- This item shall reflect the cost of engineering services related to Sewer Department operations or projects. This item is fund unrestricted and can be used for engineering services for other projects with the approval of the Director.

82-41-314 ; Laboratory & Testing

- This item shall reflect the cost of regulatory and exploratory wastewater sample testing from qualified labs, certified laboratory technicians or qualified products. This item is fund unrestricted and can be used for laboratory and testing for other projects with the approval of the Director.

82-41-315 ; Legal- General

- This item is subject to elimination and funding is subject to transfer to Legal-General in the Joint Administration fund
 - o 65-41-315 ; Legal General

82-41-330 ; Education

- This item shall reflect the cost operator education and training for the Sewer Department. This shall NOT include transportation or other travel costs. This item is fund unrestricted and can be used for general education for operators with the approval of the Director.

82-41-340 ; System Construction Services

- This item is subject to elimination and funding is subject to transfer to Capital Infrastructure Replacement and Construction in the Water fund
 - o 82-41-275 ; Capital Infrastructure Replacement and Construction

82-41-341 ; Construction- Customer's Installation

- This item shall reflect the cost of installation of customers' water services and is an offset account with the Sewer fund Revenue 82-37-332 ; Construction & Repair. This item reflects the cost of materials, labor and administrative costs of providing construction and repair services.

81-41-580 ; Rent or Lease

- This item shall reflect the cost of rental or leases that support the Sewer Department. This item restricted and no other expenses shall be reflected here.

82-42-560 ; Bad Debt Expense

- This item shall reflect the cost of expensing debt and uncollectable receivables from Sewer Department revenues. This item shall be restricted and no other expenses shall be reflected here.

82-42-730 ; Buildings

- This item shall reflect the cost of improvements that are building improvements. This item is fund unrestricted and can be used for sewer building improvements with the approval of the Director.

82-42-742 ; Equipment-Field

- This item shall reflect the cost of sewer department specific equipment purchases that are outfitted for field duty only. This item is restricted to non-capitalized expenses. This item is further restricted and no other expenses shall be reflected here.

82-42-780 ; Reserve Purchases

- This item is subject to elimination and funding is subject to transfer to significant revision

82-42-812 ; Principal on Bonds -RDA B

- This item shall reflect the cost of principal payments on item specific bond. This item is restriction and no other expenses shall be reflected here.

82-42-813 ; Principal on Bonds – RDA C

- This item shall reflect the cost of principal payments on item specific bond. This item is restriction and no other expenses shall be reflected here.

82-42-81 ; Principal on Bonds – DWQ

- This item shall reflect the cost of principal payments on item specific bond. This item is restriction and no other expenses shall be reflected here.

82-42-822 ; Interest on Bonds – RDA B

- This item shall reflect the cost of interest payments on item specific bond. This item is restriction and no other expenses shall be reflected here.

82-42-823 ; Interest on Bonds – C

- This item shall reflect the cost of interest payments on item specific bond. This item is restriction and no other expenses shall be reflected here.

82-42-911 ; Transfers to Joint Administration fund

- This item shall reflect the fund transfers made to cover the expenses cost of the Joint Administration fund exclusively. This item is restricted and no other expenses shall be reflected here.

82-42-912 ; Transfers to Litigation

- This item shall reflect the fund transfers to a joint litigation fund exclusively. This item is restricted and no other expenses shall be reflected here.

82-42-912 ; Transfers to Judgment Mitigation Resolution fund

- This item shall reflect the fund transfers to a Judgement Resolution fund exclusively. This item is restricted and no other expenses shall be reflected here.

82-42-960 ; Transfers to Reserve funds

- This item is subject to elimination and funding is subject to transfer to significant revision

82-42-999 ; Contingency

- This item is a contingency buffer for annual state reporting budgetary purposes. This item is restricted to Director or Board Approved actions only.

Gas Department

84-37-111 ; Gas Sales – Metered Natural

- This item shall reflect gas sale revenue of metered natural gas only. This item is restricted and no other revenue shall be reflected here.

84-37-112 ; Gas Sales- Metered Propane

- This item shall reflect gas sale revenue of metered propane gas only. This item is restricted and no other revenue shall be reflected here.

84-37-113 ; Gas Sales – Cylinder

- This item shall reflect gas sales revenue of cylinder sales only. This item is restricted and no other revenue shall be reflected here.

84-37-114 ; Gas Sales-Cylinder Exchange

- This item shall reflect gas sales revenue of cylinder exchanges only. This item is restricted and no other revenue shall be reflected here.

84-37-331 ; Connection Charges

- This item shall reflect the revenue from the connection of new customers or reconnection of existing customers.

84-37-411 ; Interest

- This item shall reflect to revenue from interest bearing accounts directly related to the Water Department. This item is restricted and no other revenue shall be reflected here.

84-37-412 ; Penalties

- This item shall reflect revenue from penalty fees levied against customer accounts for late payments, ordinance and regulation violations, and legal settlements. This item is restricted and no other revenue shall be reflected here.

Non-Operating Revenue

84-38-450 ; Transfers from Reserves

- This item shall reflect a transfer from reserves and shall be offset Reserve Purchase to annotate what the funds were used for. Amounts annotated here should reflect a change in cash positions.

84-39-901 ; Appropriations for Utility fund Balance

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84-38-999 ; Contingency

- This item shall reflect a budget contingency directly reflected in a contingency expense. However this item may be subject to elimination.

Operating Expenses

84-41-110 ; Salaries-Permanent Employees

- This item shall reflect expenses relating to payment of salaries specific to the Gas Department. Until Department expansion this item is likely to remain unfunded. This item is restricted an no other expense shall be reflected here.

84-41-210 ; ~~Books, Subscription & Memberships~~ Training/Reference Materials and Subscriptions

- This item shall reflect expenses relating to training and reference materials, or subscriptions to training materials that are not included in the base costs of memberships. This item shall include the cost of training attendance fees, but will NOT cover travel expenses to distance training events. This item is restricted and no other expense shall be reflected here.

84-41-215 ; Association Memberships

- This item shall reflect expenses directly relating to association and membership fees in which, the Department is participating. This item is restricted and no other expense shall be reflected here.

84-41-230 ; Travel

- This item shall reflect expenses directly relating travel costs that include but are not limited to, transportation, lodging, and per diem meals. This item is restricted and no other expense shall be reflected here.

84-41-235 ; Food & Refreshment

- This item is subject to elimination and its current allocation redistributed to the following item:
 - o 65-41-235 Food & Refreshment

84-41-250 ; Equipment, Supplies & Maintenance

- This item shall reflect expenses directly relating to non-additive equipment, supplies and maintenance that does NOT add or replace installed capital infrastructure. This item is restricted and no other expense shall be reflected here.

84-41-257 ; Fuel

- This item shall reflect the cost of fuel to machinery and equipment of the Gas Department. This item is fund unrestricted and can be expensed to provide fuel funds to Department vehicles and machinery if used in Gas Department Operations at the discretion of the Director.

84-41-260 ; Tools & Equipment- Non Capital

- This item shall reflect the cost of equipment under the capital requirement assigned to the Gas Department. This item is restricted and no other expense shall be reflected here.

84-41-273 ; Maintenance and Supply-System

- This item shall reflect expenses that are additive and replacements of installed capital infrastructure. This item is restricted and no other expenses shall be reflected here.

84-41-280 ; Capital Infrastructure Investment

- This item shall reflect the cost of replacement of capitalized infrastructure based on the Capital Infrastructure Replacement Plan. This item is fund unrestricted and can be used for emergency repairs or response with the approval of the Director.

84-41-185 ; Power

- This item shall reflect the cost of power to the water treatment facility, and any other Gas Department specific facilities. This item is restricted and no other expenses shall be reflected here.

84-41-311 ; Engineer

- This item shall reflect the cost of engineering services related to Gas Department operations or projects. This item is fund unrestricted and can be used for engineering services for other projects with the approval of the Director.

84-41-314 ; Laboratory & Testing

- This item shall reflect the cost of regulatory and exploratory sample testing from qualified labs, certified laboratory technicians or qualified products. This item is fund unrestricted and can be used for laboratory and testing for other projects with the approval of the Director.

84-41-315 ; Legal- General

- This item is subject to elimination and funding is subject to transfer to Legal-General in the Joint Administration fund
 - o 65-41-315 ; Legal General

84-41-330 ; Education

- This item shall reflect the cost operator education and training for the Gas Department. This shall NOT include transportation or other travel costs. This item is fund unrestricted and can be used for general education for operators with the approval of the Director.

84-41-340 ; System Construction Services

- This item is subject to elimination and funding is subject to transfer to Capital Infrastructure Replacement and Construction in the Water fund
 - o 81-41-275 ; Capital Infrastructure Replacement and Construction

84-41-341 ; Construction- Customer's Installation

- This item shall reflect the cost of installation of customers' water services and is an offset account with the Gas fund Revenue 84-37-332 ; Construction & Repair. This item reflects the cost of materials, labor and administrative costs of providing construction and repair services.

84-41-431 ; Natural Gas Commodity Supply

- This item shall reflect the expenses incurred to purchase natural gas from wholesale suppliers to provide to our customers only. This item restricted and no other expenses shall be reflected here.

84-41-432 ; Propane Gas Commodity Supply

- This item shall reflect the expenses incurred to purchase propane gas from wholesale suppliers to provide to our customers only. This item restricted and no other expenses shall be reflected here.

84-41-434 ; Natural Gas Commodity Transport

- This item shall reflect the expenses incurred to transport natural gas over transmission lines only. This item is restricted and no other expenses shall be reflected here.

84-41-580 ; Rent or Lease

- This item shall reflect the cost of rental or leases that support the Gas Department. This item restricted and no other expenses shall be reflected here.

Non-Operating Expenses

84-42-560 ; Bad Debt Expense

- This item shall reflect the cost of expensing debt and uncollectable receivables from Gas Department revenues. This item shall be restricted and no other expenses shall be reflected here.

84-42-750 ; Special Projects Capital

- This item shall reflect the cost incurred for installing propane gas mainlines in the town of Colorado City from funds collected by the tariff propane customers pay. This item is restricted and other expenses shall be reflected here.

84-42-780 ; Reserve Purchases

- This item is subject to elimination and funding is subject to transfer to significant revision

84-42-911 ; Transfers to Joint Administration fund

- This item shall reflect the fund transfers made to cover the expenses cost of the Joint Administration fund exclusively. This item is restricted and no other expenses shall be reflected here.

84-42-912 ; Transfers to Litigation

- This item shall reflect the fund transfers to a joint litigation fund exclusively. This item is restricted and no other expenses shall be reflected here.

84-42-912 ; Transfers to Judgment Mitigation Resolution fund

- This item shall reflect the fund transfers to a Judgement Resolution fund exclusively. This item is restricted and no other expenses shall be reflected here.

84-42-960 ; Transfers to Reserve funds

- This item is subject to elimination and funding is subject to transfer to significant revision

84-42-970 ; Transfer to Colorado City Fiber Optic Department

- This item shall reflect transfers to Colorado City's Fiber Optic Services Department. This item is restricted and no other expenses shall be reflected here.

84-42-999 ; Contingency

- This item is a contingency buffer for annual state reporting budgetary purposes. This item is restricted to Director or Board Approved actions only.

		1		2		3		4	
Distribution		0%	25%	26%	50%	51%	75%	76%	100%
61.57%	Age	New		Used		Depreciated		Salvage	
64.14%	Condition	Ideal		Good		Fair		Poor	
52.63%	System Necessity	Expendable		Marginal		Significant		Critical	
59.45%									

		1		2		3		4	
Treatment		0%	25%	26%	50%	51%	75%	76%	100%
83.74%	Age	New		Used		Depreciated		Salvage	
101.47%	Condition	Ideal		Good		Fair		Poor	
86.76%	System Necessity	Expendable		Marginal		Significant		Critical	
90.66%									

		1		2		3		4	
Collection&Trans		0%	25%	26%	50%	51%	75%	76%	100%
65.85%	Age	New		Used		Depreciated		Salvage	
112.50%	Condition	Ideal		Good		Fair		Poor	
75.93%	System Necessity	Expendable		Marginal		Significant		Critical	
84.76%									

Total Water System Depreciation	\$	3,094,568.36
Total Water System Value	\$	1,666,605.47
Total System Cost	\$	4,761,173.84

% of Depreciation Crit. Nec. & Poor Con.		33.63%
50 Year Replacement Timeline	\$	95,223.48
Cost per Customer	\$	5,478.91
Annual Cost per Customer	\$	109.58
Annual Estimated Labor and Services	\$	25,000.00
Annual Estimated Budget Cost	\$	120,223.48

FY 21 Funding Priorities

Well Maintenance and Repair	\$	60,111.74
Upper Pressure Zone Issues	\$	48,089.39
Network Automation Upgrades	\$	12,022.35
	\$	120,223.48

Condw. Ne	Condition	Necessity	Item	CBV	CDV	Total Cost	Depreciation %	Period	An. Depreciation Exp	Useful Life	Inflation	Org bk Val.	Inf. Adj.	Dep. Val.	Inf. Adj.
6	3	4	6" Collection Line	\$ 991.30	\$ 5,473.71	\$ 6,465.02	84.67%	22.00	\$ 248.81	3.98	0.565	\$ 633.42	\$ 357.88	\$ 3,497.58	\$ 1,976.13
1.5	1	3	Academy Well Collection Line	\$ 23,921.33	\$ 1,083.55	\$ 25,004.87	4.33%	2.00	\$ 541.77	44.15	0.024	\$ 23,360.67	\$ 560.66	\$ 1,058.15	\$ 25.40
4.5	3	3	06' Pump	\$ -	\$ 2,116.08	\$ 2,116.08	100.00%	12.00	\$ 176.34	0.00	0.246	\$ -	\$ -	\$ 1,698.30	\$ 417.78
4.5	3	3	06' Pump	\$ -	\$ 4,107.69	\$ 4,107.69	100.00%	12.00	\$ 342.31	0.00	0.246	\$ -	\$ -	\$ 3,296.70	\$ 810.99
4.5	3	3	07' Pump	\$ -	\$ 4,107.69	\$ 4,107.69	100.00%	12.00	\$ 342.31	0.00	0.246	\$ -	\$ -	\$ 3,296.70	\$ 810.99
3	2	3	07' Pump	\$ -	\$ 2,116.08	\$ 2,116.08	100.00%	12.00	\$ 176.34	0.00	0.246	\$ -	\$ -	\$ 1,698.30	\$ 417.78
3	2	3	10' Computer Scada	\$ -	\$ 2,830.25	\$ 2,830.25	100.00%	10.00	\$ 283.02	0.00	0.152	\$ -	\$ -	\$ 2,456.81	\$ 373.44
3	2	3	10' Computer Scada	\$ -	\$ 5,262.34	\$ 5,262.34	100.00%	10.00	\$ 526.23	0.00	0.152	\$ -	\$ -	\$ 4,568.00	\$ 694.34
2	2	2	12' Broadband Radio Equipment	\$ -	\$ 1,790.90	\$ 1,790.90	100.00%	7.00	\$ 255.84	0.00	0.094	\$ -	\$ -	\$ 1,637.02	\$ 153.88
2	2	2	12' Broadband Radio Equipment	\$ -	\$ 3,325.96	\$ 3,325.96	100.00%	7.00	\$ 475.14	0.00	0.094	\$ -	\$ -	\$ 3,040.18	\$ 285.78
2	2	2	12' Trimble Data Collector	\$ -	\$ 1,947.18	\$ 1,947.18	100.00%	7.00	\$ 278.17	0.00	0.094	\$ -	\$ -	\$ 1,779.87	\$ 167.31
2	2	2	12' Trimble Data Collector	\$ -	\$ 3,552.38	\$ 3,552.38	100.00%	7.00	\$ 507.48	0.00	0.094	\$ -	\$ -	\$ 3,247.15	\$ 305.23
2	2	2	12' GPS Base and Rover	\$ 1,348.98	\$ 7,367.61	\$ 8,716.59	84.52%	6.00	\$ 1,227.94	1.10	0.078	\$ 1,251.37	\$ 97.61	\$ 6,834.52	\$ 533.09
2	2	2	12' GPS Base and Rover	\$ 2,505.26	\$ 13,682.70	\$ 16,187.96	84.52%	6.00	\$ 2,280.45	1.10	0.078	\$ 2,323.99	\$ 181.27	\$ 12,692.67	\$ 990.03
3	2	3	14' Well Pump	\$ 3,526.17	\$ 8,919.15	\$ 12,445.32	71.67%	4.00	\$ 2,229.79	1.58	0.061	\$ 3,323.44	\$ 202.73	\$ 8,406.36	\$ 512.79
8	4	4	Well 24	\$ 39,125.00	\$ 195,625.00	\$ 234,750.00	83.33%	20.00	\$ 9,781.25	4.00	0.565	\$ 25,000.00	\$ 14,125.00	\$ 125,000.00	\$ 70,625.00
8	4	4	Well 22	\$ 39,125.00	\$ 195,625.00	\$ 234,750.00	83.33%	20.00	\$ 9,781.25	4.00	0.565	\$ 25,000.00	\$ 14,125.00	\$ 125,000.00	\$ 70,625.00
6	4	3	Well 11	\$ 39,125.00	\$ 219,100.00	\$ 258,225.00	84.85%	20.00	\$ 10,955.00	3.57	0.565	\$ 25,000.00	\$ 14,125.00	\$ 140,000.00	\$ 79,100.00
6	4	3	Well 8	\$ 23,475.00	\$ 93,900.00	\$ 117,375.00	80.00%	20.00	\$ 4,695.00	5.00	0.565	\$ 15,000.00	\$ 8,475.00	\$ 60,000.00	\$ 33,900.00
8	4	4	Well 4a, 4b	\$ 39,125.00	\$ 195,625.00	\$ 234,750.00	83.33%	20.00	\$ 9,781.25	4.00	0.565	\$ 25,000.00	\$ 14,125.00	\$ 125,000.00	\$ 70,625.00
6	4	3	Well 10	\$ 23,475.00	\$ 93,900.00	\$ 117,375.00	80.00%	20.00	\$ 4,695.00	5.00	0.565	\$ 15,000.00	\$ 8,475.00	\$ 60,000.00	\$ 33,900.00
8	4	4	Well 21	\$ 54,775.00	\$ 258,225.00	\$ 313,000.00	82.50%	20.00	\$ 12,911.25	4.24	0.565	\$ 35,000.00	\$ 19,775.00	\$ 165,000.00	\$ 93,225.00
6	4	3	Well 15	\$ 15,650.00	\$ 62,600.00	\$ 78,250.00	80.00%	20.00	\$ 3,130.00	5.00	0.565	\$ 10,000.00	\$ 5,650.00	\$ 40,000.00	\$ 22,600.00
8	4	4	Well 19	\$ 39,125.00	\$ 195,625.00	\$ 234,750.00	83.33%	20.00	\$ 9,781.25	4.00	0.565	\$ 25,000.00	\$ 14,125.00	\$ 125,000.00	\$ 70,625.00
6	4	3	Well 17	\$ 23,475.00	\$ 93,900.00	\$ 117,375.00	80.00%	20.00	\$ 4,695.00	5.00	0.565	\$ 15,000.00	\$ 8,475.00	\$ 60,000.00	\$ 33,900.00
2	1	4	Academy Avenue Well	\$ 307,200.00	\$ 61,440.00	\$ 368,640.00	16.67%	3.00	\$ 20,480.00	15.00	0.024	\$ 300,000.00	\$ 7,200.00	\$ 60,000.00	\$ 1,440.00
4.5	3	3	Power Plant Well	\$ 289,000.00	\$ 127,160.00	\$ 416,160.00	30.56%	11.00	\$ 11,560.00	25.00	0.156	\$ 250,000.00	\$ 39,000.00	\$ 110,000.00	\$ 17,160.00

Condw. Ne	Condition	Necessity	Item	CBV	CDV	Total Cost	Depreciation %	Period	An. Depreciation Exp	Useful Life	Inflation	Org bk Val.	Inf. Adj.	Dep. Val.	Inf. Adj.
4		4	2 97' Scholzen Fire Hydrants	\$ -	\$ 2,838.19	\$ 2,838.19	100.00%	21.00	\$ 135.15	0.00	0.565	\$ -	\$ -	\$ 1,813.54	\$ 1,024.65
4		4	2 97' Scholzen Fire Hydrants	\$ -	\$ 5,270.92	\$ 5,270.92	100.00%	21.00	\$ 251.00	0.00	0.565	\$ -	\$ -	\$ 3,368.00	\$ 1,902.92
4.5		3	3 99' System Equipment Additions	\$ -	\$ 48,178.79	\$ 48,178.79	100.00%	20.00	\$ 2,408.94	0.00	0.507	\$ -	\$ -	\$ 31,970.00	\$ 16,208.79
4.5		3	3 99' System Equipment Additions	\$ -	\$ 97,817.77	\$ 97,817.77	100.00%	20.00	\$ 4,890.89	0.00	0.507	\$ -	\$ -	\$ 64,908.94	\$ 32,908.83
4.5		3	3 99' System Equipment Additions	\$ -	\$ 97,817.77	\$ 97,817.77	100.00%	19.00	\$ 5,148.30	0.00	0.507	\$ -	\$ -	\$ 64,908.94	\$ 32,908.83
4.5		3	3 99' System Equipment Additions	\$ -	\$ 4,416.08	\$ 4,416.08	100.00%	19.00	\$ 232.43	0.00	0.507	\$ -	\$ -	\$ 2,930.38	\$ 1,485.70
4.5		3	3 Colorado City Distribution System	\$ 29,158.80	\$ 235,921.55	\$ 265,080.35	89.00%	23.00	\$ 10,257.46	2.84	0.6	\$ 18,224.25	\$ 10,934.55	\$ 147,450.97	\$ 88,470.58
4.5		3	3 Hildale Water Distribution Lines	\$ 15,700.98	\$ 126,991.52	\$ 142,692.49	89.00%	23.00	\$ 5,521.37	2.84	0.6	\$ 9,813.11	\$ 5,887.87	\$ 79,369.70	\$ 47,621.82
3		3	2 97' Utah Ave Upgrade	\$ 2,230.66	\$ 13,331.75	\$ 15,562.41	85.67%	22.00	\$ 605.99	3.68	0.565	\$ 1,425.35	\$ 805.32	\$ 8,518.69	\$ 4,813.06
3		3	2 97' Utah Ave Line Upgrade	\$ 3,345.97	\$ 19,997.63	\$ 23,343.60	85.67%	23.00	\$ 869.46	3.85	0.565	\$ 2,138.00	\$ 1,207.97	\$ 12,778.04	\$ 7,219.59
2		2	2 00' Water System Improvement	\$ 1,857.75	\$ 5,287.79	\$ 7,145.54	74.00%	19.00	\$ 278.30	6.68	0.458	\$ 1,274.18	\$ 583.57	\$ 3,626.74	\$ 1,661.05
2		2	2 00' Water System Improvement	\$ 3,772.09	\$ 10,735.53	\$ 14,507.62	74.00%	19.00	\$ 565.03	6.68	0.458	\$ 2,587.17	\$ 1,184.92	\$ 7,363.19	\$ 3,372.34
2		2	2 02/01 System Improvements	\$ 1,420.42	\$ 3,262.28	\$ 4,682.70	69.67%	18.00	\$ 181.24	7.84	0.419	\$ 1,001.00	\$ 419.42	\$ 2,299.00	\$ 963.28
2		2	2 02/01 System Improvements	\$ 2,883.88	\$ 6,623.42	\$ 9,507.30	69.67%	18.00	\$ 367.97	7.84	0.419	\$ 2,032.33	\$ 851.55	\$ 4,667.67	\$ 1,955.75
2		2	2 05/01 System Improvements	\$ 1,027.07	\$ 2,250.82	\$ 3,277.89	68.67%	18.00	\$ 125.05	8.21	0.419	\$ 723.80	\$ 303.27	\$ 1,586.20	\$ 664.62
2		2	2 05/01 System Improvements	\$ 2,085.26	\$ 4,569.85	\$ 6,655.11	68.67%	18.00	\$ 253.88	8.21	0.419	\$ 1,469.53	\$ 615.73	\$ 3,220.47	\$ 1,349.38
2		2	2 Industrial Park Water Mains West	\$ 22,559.36	\$ 44,448.64	\$ 67,008.00	66.33%	17.00	\$ 2,614.63	8.63	0.396	\$ 16,160.00	\$ 6,399.36	\$ 31,840.00	\$ 12,608.64
4		4	2 Water Line Expansion for CC School	\$ 47,794.98	\$ 94,170.32	\$ 141,965.30	66.33%	17.00	\$ 5,539.43	8.63	0.369	\$ 34,912.33	\$ 12,882.65	\$ 68,787.67	\$ 25,382.65
2		2	2 03' System Improvements	\$ 2,680.18	\$ 4,076.57	\$ 6,756.75	60.33%	16.00	\$ 254.79	10.52	0.365	\$ 1,963.50	\$ 716.68	\$ 2,986.50	\$ 1,090.07
2		2	2 03' System Improvements	\$ 5,441.57	\$ 8,276.68	\$ 13,718.25	60.33%	16.00	\$ 517.29	10.52	0.365	\$ 3,986.50	\$ 1,455.07	\$ 6,063.50	\$ 2,213.18
2		2	2 04' System Additions	\$ 7,255.57	\$ 9,234.16	\$ 16,489.73	56.00%	15.00	\$ 615.61	11.79	0.329	\$ 5,459.42	\$ 1,796.15	\$ 6,948.20	\$ 2,285.96
2		2	2 FY 04' System Additions	\$ 14,704.97	\$ 18,715.22	\$ 33,420.19	56.00%	15.00	\$ 1,247.68	11.79	0.329	\$ 11,064.69	\$ 3,640.28	\$ 14,082.18	\$ 4,633.04
2		2	2 05' Improvements	\$ 3,467.29	\$ 4,070.29	\$ 7,537.58	54.00%	14.00	\$ 290.74	11.93	0.286	\$ 2,696.18	\$ 771.11	\$ 3,165.08	\$ 905.21
2		2	2 05' Improvements	\$ 6,730.62	\$ 7,901.16	\$ 14,631.77	54.00%	14.00	\$ 564.37	11.93	0.286	\$ 5,233.76	\$ 1,496.86	\$ 6,143.98	\$ 1,757.18
2		2	2 07' Improvements	\$ 55,955.04	\$ 44,562.91	\$ 100,517.95	44.33%	12.00	\$ 3,713.58	15.07	0.211	\$ 46,205.65	\$ 9,749.39	\$ 36,798.44	\$ 7,764.47
2		2	2 07' Improvements	\$ 108,470.29	\$ 86,386.41	\$ 194,856.69	44.33%	12.00	\$ 7,198.87	15.07	0.211	\$ 89,570.84	\$ 18,899.45	\$ 71,334.77	\$ 15,051.64
2		2	2 11' System Improvements- AZ Ave	\$ 5,021.32	\$ 1,888.73	\$ 6,910.05	27.33%	7.00	\$ 269.82	18.61	0.116	\$ 4,499.39	\$ 521.93	\$ 1,692.41	\$ 196.32
2		2	2 11' System Improvements- AZ Ave	\$ 9,434.71	\$ 3,548.84	\$ 12,983.54	27.33%	7.00	\$ 506.98	18.61	0.116	\$ 8,454.04	\$ 980.67	\$ 3,179.96	\$ 368.88
2		2	2 12' System Improvements- Utah Ave	\$ 14,501.33	\$ 4,663.40	\$ 19,164.74	24.33%	7.00	\$ 666.20	21.77	0.094	\$ 13,255.33	\$ 1,246.00	\$ 4,262.71	\$ 400.69
2		2	2 12' System Improvements- Utah Ave	\$ 26,931.01	\$ 8,660.63	\$ 35,591.64	24.33%	7.00	\$ 1,237.23	21.77	0.094	\$ 24,617.01	\$ 2,314.00	\$ 7,916.48	\$ 744.15
2		4	1 13' Water Tank Fence	\$ 6,247.98	\$ 1,497.45	\$ 7,745.43	19.33%	6.00	\$ 249.57	25.03	0.078	\$ 5,795.90	\$ 452.08	\$ 1,389.10	\$ 108.35
4		4	2 13' Pioneer St. Water Main Improv.	\$ 17,557.94	\$ 4,208.12	\$ 21,766.06	19.33%	6.00	\$ 701.35	25.03	0.078	\$ 16,287.51	\$ 1,270.43	\$ 3,903.64	\$ 304.48
2		4	1 13' Fencing for Water Tank	\$ 713.24	\$ 871.80	\$ 1,585.04	55.00%	6.00	\$ 145.30	4.91	0.078	\$ 661.63	\$ 51.61	\$ 808.72	\$ 63.08
2		4	1 13' Fencing for Water Tank	\$ 1,324.61	\$ 1,619.03	\$ 2,943.64	55.00%	6.00	\$ 269.84	4.91	0.078	\$ 1,228.77	\$ 95.84	\$ 1,501.88	\$ 117.15
1.5		1	3 14' Radio Read Meter System Improv.	\$ 87,081.61	\$ 17,000.01	\$ 104,081.62	16.33%	4.00	\$ 4,250.00	20.49	0.061	\$ 82,075.03	\$ 5,006.58	\$ 16,022.63	\$ 977.38
1		1	2 15' Maple St. System Improv.	\$ 34,804.43	\$ 5,509.59	\$ 40,314.01	13.67%	4.00	\$ 1,377.40	25.27	0.059	\$ 32,865.37	\$ 1,939.06	\$ 5,202.63	\$ 306.96
1		1	2 15' System Improvements	\$ 113,330.42	\$ 15,943.83	\$ 129,274.25	12.33%	4.00	\$ 3,985.96	28.43	0.059	\$ 107,016.45	\$ 6,313.97	\$ 15,055.55	\$ 888.28
1		1	2 15' Mohave Ave System Improv.	\$ 15,153.06	\$ 2,001.35	\$ 17,154.41	11.67%	4.00	\$ 500.34	30.29	0.059	\$ 14,308.84	\$ 844.22	\$ 1,889.85	\$ 111.50
2.565789	2.473684211	2.105263158	Totals	\$ 670,644.40	\$ 1,074,566.79	\$ 1,745,211.20	61.57%			11.04		\$ -	\$ -	\$ -	\$ -

Condw. Ne	Condition	Necessity	Item	CBV	CDV	Total Cost	Depreciation %	Period	An. Depreciation Exp	Useful Life	Inflation	Org bk Val.	Inf. Adj.	Dep. Val.	Inf. Adj.
8		4	04' System Water Filtration	\$ 3,970.75	\$ 5,053.76	\$ 9,024.51	56.00%	15.00	\$ 336.92	11.79	0.329	\$ 2,987.77	\$ 982.98	\$ 3,802.68	\$ 1,251.08
8		4	04' System Water Filtration	\$ 1,955.80	\$ 2,489.11	\$ 4,444.91	56.00%	15.00	\$ 165.94	11.79	0.329	\$ 1,471.63	\$ 484.17	\$ 1,872.92	\$ 616.19
8		4	07' Water Plant Upgrade	\$ 1,290.26	\$ 1,000.10	\$ 2,290.36	43.67%	11.00	\$ 90.92	14.19	0.211	\$ 1,065.45	\$ 224.81	\$ 825.85	\$ 174.25
8		4	07' Water Plant Upgrade	\$ 1,040.81	\$ 806.82	\$ 1,847.62	43.67%	11.00	\$ 73.35	14.19	0.211	\$ 859.46	\$ 181.35	\$ 666.24	\$ 140.58
6		3	07 Booster Paq	\$ -	\$ 18,506.71	\$ 18,506.71	100.00%	12.00	\$ 1,542.23	0.00	0.246	\$ -	\$ -	\$ 14,852.90	\$ 3,653.81
6		3	07 Booster Paq	\$ -	\$ 35,924.80	\$ 35,924.80	100.00%	12.00	\$ 2,993.73	0.00	0.246	\$ -	\$ -	\$ 28,832.10	\$ 7,092.70
4		2	07' 35,000 Gal Tank	\$ -	\$ 5,507.32	\$ 5,507.32	100.00%	12.00	\$ 458.94	0.00	0.246	\$ -	\$ -	\$ 4,420.00	\$ 1,087.32
4		2	07' 35,000 Gal Tank	\$ -	\$ 10,690.68	\$ 10,690.68	100.00%	12.00	\$ 890.89	0.00	0.246	\$ -	\$ -	\$ 8,580.00	\$ 2,110.68
4		2	07' Control Valve	\$ -	\$ 1,033.68	\$ 1,033.68	100.00%	12.00	\$ 86.14	0.00	0.246	\$ -	\$ -	\$ 829.60	\$ 204.08
4		2	07' Control Valve	\$ -	\$ 1,033.68	\$ 1,033.68	100.00%	12.00	\$ 86.14	0.00	0.246	\$ -	\$ -	\$ 829.60	\$ 204.08
4		2	07' Control Valve	\$ -	\$ 1,033.68	\$ 1,033.68	100.00%	12.00	\$ 86.14	0.00	0.246	\$ -	\$ -	\$ 829.60	\$ 204.08
4		2	07' Control Valve	\$ -	\$ 1,142.56	\$ 1,142.56	100.00%	12.00	\$ 95.21	0.00	0.246	\$ -	\$ -	\$ 916.98	\$ 225.58
4		2	07' Control Valve	\$ -	\$ 2,006.56	\$ 2,006.56	100.00%	12.00	\$ 167.21	0.00	0.246	\$ -	\$ -	\$ 1,610.40	\$ 396.16
4		2	07' Control Valve	\$ -	\$ 2,006.56	\$ 2,006.56	100.00%	12.00	\$ 167.21	0.00	0.246	\$ -	\$ -	\$ 1,610.40	\$ 396.16
4		2	07' Control Valve	\$ -	\$ 2,006.56	\$ 2,006.56	100.00%	12.00	\$ 167.21	0.00	0.246	\$ -	\$ -	\$ 1,610.40	\$ 396.16
4		2	07' Control Valve	\$ -	\$ 2,217.90	\$ 2,217.90	100.00%	12.00	\$ 184.83	0.00	0.246	\$ -	\$ -	\$ 1,780.02	\$ 437.88
3		2	07' Cholorination Equip.	\$ -	\$ 3,250.59	\$ 3,250.59	100.00%	11.00	\$ 295.51	0.00	0.211	\$ -	\$ -	\$ 2,684.22	\$ 566.37
3		2	07' Cholorination Equip.	\$ -	\$ 6,599.68	\$ 6,599.68	100.00%	11.00	\$ 599.97	0.00	0.211	\$ -	\$ -	\$ 5,449.78	\$ 1,149.90
2		2	Force Flow Solo XT Chlorine Scale	\$ -	\$ 1,758.37	\$ 1,758.37	100.00%	11.00	\$ 159.85	0.00	0.211	\$ -	\$ -	\$ 1,452.00	\$ 306.37
2		2	Force Flow Solo XT Chlorine Scale	\$ -	\$ 1,758.37	\$ 1,758.37	100.00%	11.00	\$ 159.85	0.00	0.211	\$ -	\$ -	\$ 1,452.00	\$ 306.37
2		2	Force Flow Solo XT Chlorine Scale	\$ -	\$ 905.83	\$ 905.83	100.00%	11.00	\$ 82.35	0.00	0.211	\$ -	\$ -	\$ 748.00	\$ 157.83
2		2	Force Flow Solo XT Chlorine Scale	\$ -	\$ 905.83	\$ 905.83	100.00%	11.00	\$ 82.35	0.00	0.211	\$ -	\$ -	\$ 748.00	\$ 157.83
3		2	08' KMNO4 Pump	\$ -	\$ 1,195.15	\$ 1,195.15	100.00%	10.00	\$ 119.52	0.00	0.166	\$ -	\$ -	\$ 1,025.00	\$ 170.15
3		2	08' KMNO4 Pump	\$ -	\$ 2,219.10	\$ 2,219.10	100.00%	10.00	\$ 221.91	0.00	0.166	\$ -	\$ -	\$ 1,903.17	\$ 315.93
2		2	Residual Chlorine Monitor CL 500	\$ -	\$ 1,104.23	\$ 1,104.23	100.00%	8.00	\$ 138.03	0.00	0.116	\$ -	\$ -	\$ 989.45	\$ 114.78
2		2	Residual Chlorine Monitor CL 500	\$ -	\$ 2,050.71	\$ 2,050.71	100.00%	8.00	\$ 256.34	0.00	0.116	\$ -	\$ -	\$ 1,837.55	\$ 213.16
3		2	12' Valve Exercising Machine	\$ 205.13	\$ 1,517.93	\$ 1,723.05	88.10%	7.00	\$ 216.85	0.95	0.094	\$ 187.50	\$ 17.63	\$ 1,387.50	\$ 130.43
3		2	12' Valve Exercising Machine	\$ 380.93	\$ 2,819.02	\$ 3,199.95	88.10%	7.00	\$ 402.72	0.95	0.094	\$ 348.20	\$ 32.73	\$ 2,576.80	\$ 242.22
4		2	12' Pump System for Pump Station	\$ 2,813.74	\$ 14,068.64	\$ 16,882.39	83.33%	6.00	\$ 2,344.77	1.20	0.078	\$ 2,610.15	\$ 203.59	\$ 13,050.69	\$ 1,017.95
4		2	12' Pump System for Pump Station	\$ 5,225.48	\$ 26,127.52	\$ 31,352.99	83.33%	6.00	\$ 4,354.59	1.20	0.078	\$ 4,847.38	\$ 378.10	\$ 24,237.03	\$ 1,890.49
4		2	13' Water Trt Plant Ventilation Up.	\$ 1,893.67	\$ 483.32	\$ 2,376.99	20.33%	6.00	\$ 80.55	23.51	0.078	\$ 1,756.65	\$ 137.02	\$ 448.35	\$ 34.97
4		2	13' Water Trt Plant Pumping Up.	\$ 5,605.69	\$ 1,430.73	\$ 7,036.42	20.33%	6.00	\$ 238.46	23.51	0.078	\$ 5,200.08	\$ 405.61	\$ 1,327.21	\$ 103.52
4		2	13' Water Trt Plant Ventilation Up.	\$ 3,516.81	\$ 897.60	\$ 4,414.41	20.33%	6.00	\$ 149.60	23.51	0.078	\$ 3,262.35	\$ 254.46	\$ 832.65	\$ 64.95
4		2	13' Water Plant Pump Motor	\$ 3,093.98	\$ 3,093.98	\$ 6,187.96	50.00%	5.00	\$ 618.80	5.00	0.061	\$ 2,916.10	\$ 177.88	\$ 2,916.10	\$ 177.88
4.058824		2.294117647	3.470588235	\$ 30,993.03	\$ 159,593.31	\$ 190,586.35	83.74%								

EMPLOYEE	DEPT.	ANNUAL BENEFITS	ANNUAL TAXES	ANNUAL SALARY	TOTAL W/TAXES
UTILITIES					
HARRISON JOHNSON	UTIL	16,920.00	6,234.00	60,000.00	83,154.00
MIRANDA	UTIL	12,817.12	3,673.90	35,360.00	51,851.02
MARIAH (CSM)	UTIL	9,652.99	3,191.81	30,720.00	43,564.80
ANGELENE CHATWIN	UTIL	12,793.00	3,636.50	35,000.00	51,429.50
ATHENA CAWLEY	UTIL	13,389.50	4,000.15	38,500.00	55,889.65
EMPLOYEE 2	UTIL	14,266.56	4,538.35	43,680.00	62,484.91
MITCH JESSOP	UTIL	14,278.56	4,538.35	43,680.00	62,496.91
WESTON BARLOW	UTIL	17,851.00	6,753.50	65,000.00	89,604.50
TODD AMON	UTIL	13,955.20	4,322.24	41,600.00	59,877.44
RALPH JOHNSON	UTIL	14,314.56	4,538.35	43,680.00	62,532.91
NATHAN FISCHER	UTIL	15,584.00	5,402.80	52,000.00	72,986.80
TOTAL		155,822.49	50,829.96	489,220.00	695,872.45



HCC UTILITY DEPARTMENT
MAKING CONNECTIONS

Water Infrastructure Replacement Policy

V.052020



Department Objective

The Department's objective is to address the need to continually invest in infrastructure in order to maintain a standard a living, and to avert failures, some can be catastrophic, in our delivery of services.

Policy

Article I.

The Department shall fund and replace 2% of the water distribution system infrastructure per fiscal year based on inflation adjusted total cost. The Department shall replace 100% of the total infrastructure within 50 years. 2% is entirely reflective of only the value of the infrastructure and does NOT include the Cost of Replacement (COR).

Article II.

The Department will prioritize replacement and improvement of infrastructure based on the following factors in order of precedence:

- Condition
- Age
- Cost of Replacement

Article III.

The Department shall undertake an assessment every five (5) years to determine the state of the Water Department's Distribution System Infrastructure. The assessment shall include the condition, age and needs for replacement. This assessment will set the 2% replacement annual objective.

Article IV.

The Department shall combine infrastructure improvements with other city projects in order to reduce costs when possible.

Article V.

The Department shall prepare its annual replacement as part of its annual budget fiscal budget. The budget should also be reflective of the annual Consumer Price Index Inflation from the U.S. Bureau of Labor Statistics.

Implementation

The Department will look to acquire an engineering firm to conduct an assessment in FY 21. However, we've developed an interim operational assessment and plan, which will be presented to the board in our annual budget. Department Management will convene to decide a project schedule for progressively longer periods. Once input and approval from the Board is attained, the project schedule will be brought before the city councils.

Impact Assessment and Analysis

Legal

Legal risk not professionally evaluated.

Financial

The total value of assets of Hildale-Colorado City Utility Water Department's Distribution System is roughly \$1,747,553 with accumulated depreciation of \$1,097,774. Bringing the total cost of the distribution system to \$2,845,277. However, since the Department's acquisition in 1996 there's been a cumulative rise in inflation of 68%, which bring the total cost of replacement to \$4,780,065.

Under this replacement plan, the Department would be responsible for replacing 2% or \$95,601 per annum with increase reflective of annual inflationary costs of construction materials. However, this target is not reflective of the COR and only reflects the cost of mainlines, storage, and treatment costs. Construction costs such as trenching, labor, fees, permits etc. are not included and will be incurred as well. Which illustrates the need to coordinate with other Right-of-Way projects which may allow us to allocate costs more efficiently. We should estimate that it may cost at least \$100,000 construction and installation costs.

Larger projects like tank repairs and replacements will need to be planned through capital funding programs. In the event that our treatment/source transmission system is replaced, this would dramatically reduce the amount needed for annual replacement and may expedite our 50-year plan by more than a decade.

See attached project analysis

Operational

The Department will undertake some significant changes in order to accommodate and plan for improvements on this scale, which have hitherto not been attempted. This will require forward planning and acquisition of resources well ahead of planned projects. Additionally, in order to take advantage of incidental opportunities to conduct maintenance and improvements there will need to be available resources and operational flexibility.

IGA

Annual project targets may have interest among the cities as improvement funding will be generated from customers from both Hildale and Colorado City, but project improvements may be disproportionately applied to one city or the other. Mainly this will apply to improvements made to distribution systems.



To: Harrison Johnson
From: Mariah La Corti
Cc: Weston Barlow
Date: 04/23/2020
Subject: Account # 6237002 – xxxxx

This property was connected to natural gas in April of 2019, however the metered natural gas service was never connected in the system, causing the natural gas usage (and subsequently the sales and E&U tax associated with such) not to be billed. Our system shows record of usage since October 2019 (see attached account history). I have calculated the amounts that should have been billed based on the rated for each month and the total for each service is as follows:

Metered Natural Gas: \$7567.13

Sales Tax: \$272.42

E & U Tax: \$454.03

Total: \$8293.58

I have not contacted xxxx regarding this billing error, but I feel that he may already be aware that something is askew based on a phone call that we received requesting a billing history specifically for the natural gas. Please let me know how you would like me to proceed.

Mariah La Corti
Customer Service Manager
Hildale-Colorado City Utility Department

	05/31/2020	04/30/2020	03/31/2020	02/29/2020	01/31/2020	12/31/2019	11/30/2019	10/31/2019	05/31/2019
DEPOSIT	.00	.00	.00	.00	.00	.00	.00	.00	.00
BASE RATE - WATER	.00	80.00	80.00	80.00	80.00	80.00	80.00	80.00	80.00
METERED WATER	.00	9.60	8.40	10.80	4.80	.00	.00	.00	.00
METERED WATER usage	0	8	7	9	4	0	0	0	0
CONSTRUCTION - WATER	.00	.00	.00	.00	.00	.00	.00	.00	.00
SEWER	.00	64.00	64.00	64.00	64.00	64.00	64.00	64.00	64.00
CONSTRUCTION - SEWER	.00	.00	.00	.00	.00	.00	.00	.00	.00
HILDALE CITY FEE	.00	.00	.00	.00	.00	.00	.00	.00	.00
GARBAGE	.00	122.00	122.00	122.00	122.00	122.00	122.00	122.00	122.00
METERED NATURAL GAS	.00	354.47	.00	.00	.00	.00	.00	.00	.00
METERED NATURAL GAS usage	0	398	1,014	2,023	2,657	1,713	437	189	0
PROPANE CYLINDER	.00	.00	.00	.00	.00	.00	.00	.00	.00
PROPANE CYLINDER usage	0	0	0	0	0	0	0	0	0
UNASSURED WATER	.00	.00	.00	.00	.00	.00	.00	.00	.00
DISTRIBUTION - NATURAL GAS	.00	.00	.00	.00	.00	.00	.00	.00	.00
PENALTY - WATER	.00	.00	.00	.00	.00	.00	.00	.00	.00
BASE RATE - GAS	.00	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50
CONSTRUCTION - GAS	.00	.00	.00	.00	.00	.00	.00	.00	.00
PENALTY - GAS	.00	.00	.00	.00	.00	.00	.00	.00	.00
SALES TAX - GAS	.00	12.76	.00	.00	.00	.00	.00	.00	.00
ENERGY AND USE TAX - GAS	.00	21.27	.00	.00	.00	.00	.00	.00	.00
CONNECT FEE - WATER	.00	.00	.00	.00	.00	.00	.00	.00	.00
CONNECT FEE - GAS	.00	.00	.00	.00	.00	.00	.00	.00	.00
Total charges	.00	671.60	281.90	284.30	278.30	273.50	273.50	273.50	273.50
Previous balance	671.60	281.90	284.30	278.30	273.50	547.00	273.50	262.14	141.40
Payments	.00	281.90-	284.30-	278.30-	273.50-	547.00-	.00	262.14-	141.40-
Adjustments	.00	.00	.00	.00	.00	.00	.00	.00	.00
	671.60	671.60	281.90	284.30	278.30	273.50	547.00	273.50	273.50

To: Hildale-Colorado City Utility Board
From: Harrison Johnson
Date: May 18th, 2020
Subject: End of Year Employee Bonuses

Due to the significant budgetary surplus of employee compensation I would like propose the following employee bonuses:

- Department Managers (Director, Operations Manager, Superintendents and Administrative Managers): \$3,000 x 4 employees
- Technical and Administrative Staff: \$2,000 x 6 employees

Total cost to the Department: \$24,000

Coded to 65-41-110

Harrison Johnson
Director
Hildale-Colorado City Utility Department



Water Emergency Operations Policy V01 050520

Hildale-Colorado City Utility Department
320 East Newel Avenue, Hildale UT 84784

Department Objective

The Department's Objective is to establish a policy that will guide operations when unexpected issues confront our water supply.

Policy

Article I.- Critical Water System Event

A Critical Water System Event (CWSE) shall be defined as the following:

- An Uncontrolled and Unanticipated System Water Storage Decline (UWSD) of 10% within a 24-hour period
- Falling below 17% of system water storage with declining water levels while at maximum available Water System Source Capacity otherwise known as Significant Supply Deficient
- 15% or more of the Water System's Source Capacity has failed or is unexpectedly interrupted

Anytime during a CWSE, Department Management may implement Emergency Water Operations Procedures.

Article II.- Critical Water System Event Monitoring

The Water Superintendent shall be responsible for monitoring for CWSEs and informing Department Management immediately if one is detected.

Article III.- Supply Deficit Definition and Management

Supply Deficit is a condition where the System Water Storage Level is declining while all available Water System Source Capacity is active and online. Department Management shall consider convening the Utility Board for implementation of Hildale: Sec 51-73 or Colorado City: Sec 51.102 at the following system water storage levels and the condition of Supply Deficit is present:

- System Water Storage Level 50%>: Stage One (1)
- System Water Storage Level 40%>: Stage Two (2)
- System Water Storage Level 30%>: Stage Three (3)
- System Water Storage Level 20%>: Stage Four (4)

Article IV.- Emergency Water Operations Procedures

During a CWSE, Department Management may implement Emergency Water Operations Procedures in order to maintain the necessary supply of culinary water and to avert a Catastrophic Supply Deficit (12%> of System Water Storage Levels) in accordance with Hildale Sec 51-75 Emergency Restriction or Colorado City Ord. § 51.103 Emergency Restriction.

Internal Operational Procedures (No Board/Council Action Required)

- Suspension and Revocation of requested or scheduled Paid Time Off for needed personnel

- Extended shift to beyond 10 hours
- Technician temporary reassignment to Water Department
- Liaison with Emergency Services (Fire, and Police) for resident notification/ordinance enforcement

Community Procedures (Utility Board/City Council shall convene as soon as possible, but within 24 hours of CWSE to approve or ratify the following actions)

- Implement Staged Water Restrictions as detailed in Hildale: Sec 51-73 or Colorado City: Sec 51.102
- Temporarily terminate supply or service to one or many connections based on usage and water service necessity as determined by Hildale Sec 51-75 Emergency Restriction or Colorado City Ord. § 51.103 Emergency Restriction
- Acquisitions over \$5,000
- Acquiring a contractor

Implementation

The Department's Water Superintendent will be primarily responsible for monitoring and informing management when this policy will need to be in effect. Department Management will convene and decide if the conditions are met that require any of the listed procedures in this policy. Department Management will consult with all and any internal or external personnel to help make an determination.

Impact Assessments

Legal

(Christian's and Roger's comments here)

Financial

Water restrictions can have significant budgetary implications as it may drive down water demand precipitously. Additionally, acquisitions of materials and services to manage an emergency can be oversized large expenditures.

Operational

The impact to operations for many of these procedures may be total and prioritized above all other projects. Strain on personnel will need to be closely monitored in order to avert safety and standard-of-life hazards.

IGA

It may be necessary for both councils of Hildale and Colorado City to approve of this policy in order to comply with



HCC UTILITY DEPARTMENT
MAKING CONNECTIONS

Late Charge Ordinance Revision V051220

Hildale-Colorado City Utility Department
320 East Newel Avenue, Hildale UT 84784

Department Objective

The Department's objective is to both officially align Hildale and Colorado City's billing policies as well as reducing the burden on residents who may fall behind on bills.

Ordinance Change

Current Language

Hildale: 52-4

A late charge equal to five percent of all charges not paid on the due date thereof is hereby assessed. The late charge shall be due and payable with all other unpaid charges.

Town of Colorado City 52.04

A late charge equal to 5% of all charges not paid on the due date thereof is will be assessed. The late charge shall be due and payable with all other unpaid charges. A 1% fee will be assessed to any amount due beyond one month.

Suggest Revision

An initial late charge equal to five percent (5%) of all non-delinquent charges not paid on the due date thereof is hereby assessed. The balance of all charges that are not paid with the addition of the initial late charge shall be considered a delinquent balance. All delinquent balances shall be due on the subsequent due date. Delinquent balances not paid on the due date shall incur a delinquent balance late charge equal to one percent (1%) of the delinquent balance and be added to the total delinquent balance to be paid upon a subsequent due date.

Implementation

Department staff shall revise the billing software to include a charge leveling system, which shall bifurcate delinquent and non-delinquent charges and apply the different rates.

Impact Assessments

Legal

(Insert Legal Counsel Here)

Financial

The suggested change will impact some of the late fees that the Department collects. This could reduce late fee revenue by an estimated 15% to 35%. However, this will relieve the burden on many struggling residents by reducing the amount for those that fall behind.

Operational

There will be some time requirements when establishing the new rates and ensuring the software is accurately calculating residents' bills. However, once this is completed continual maintenance or inspection should be minimal.

IGA

This should help in assisting the Department in processing bills uniformly.

HILDALE CITY & TOWN OF COLORADO CITY

CULINARY WATER MASTER PLAN

April 2020

PREPARED BY:



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DRAFT

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APPENDIX A – GROWTH & USER ANALYSIS

APPENDIX B – FOUR POINT ANALYSIS

APPENDIX C - DISTRIBUTION SYSTEM / RECOMMENDED IMPROVEMENTS

APPENDIX D - ENGINEER’S OPINION OF PROBABLE COST

I. INTRODUCTION

Hildale City is located along Highway 59 in Washington County in southwestern Utah. The Town of Colorado City is neighboring Hildale, just across the border in Arizona. In 1988 Sunrise Engineering completed a Preliminary Engineering Report for Twin City Water Works, Inc. Twin City Water Works owned and operated the culinary water system within Hildale, Utah and Colorado City, Arizona. Due to regulatory concerns, the Cities took ownership of their distribution system within their respective boundaries and the day-to-day operation and maintenance. **Twin City Water Works has since gone out of business and water rights are in the process of being transferred over to Hildale City.**

Hildale City completed a Culinary Water Master Plan, Impact Fee Facilities Plan (IFFP), and an Impact Fee Analysis (IFA) in 2014. The City has recognized that the plan needs to be updated to account for current conditions and regulations and to provide a basis for an impact fee determination. They have contracted with Sunrise Engineering to complete a Culinary Water Master Plan Update. This update does not include reviewing or analyzing the City's water rights or changes to the Impact Fee Facilities Plan. This report does not analyze water rights, source capacity, or distribution for secondary or irrigation water.

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

II. SYSTEM USERS ANALYSIS

A. LENGTH OF PLANNING PERIOD

It is typical for a Master Plan to use a 10 or 20-year planning period. For example, the first year of a 10-year planning period would be the year 2021 with the 10th and final year being 2031. This plan will use fiscal years and will assume a 20-year planning period for recommended improvements. This period will allow an adequate evaluation of the system for potential infrastructure improvements or other needs. Revenue sources should be carefully evaluated each year as budgets are set by the City Council.

The planning periods will span the following years.

- 10-year planning period – FY2021-FY2031 (from the beginning of FY2019 to the end of FY2028)
- 20-year planning period– FY2021-FY2041 (from the beginning of FY2019 to the end of FY2038)

B. PROJECTED GROWTH RATE

An important element in the development of the source, storage, and capacity analyses is the projection of the City’s population growth rate on an annual basis. This projection gives the planner an idea of the potential future demands on the culinary water system for the length of the planning period.

Projecting the number of future culinary water connections can be a subjective process. The most effective method of estimating the number of future connections is by analyzing past historical number of connections and census records. Because Hildale and Colorado City utilize the same water system, the census records and past number of connections of both Hildale and Colorado City were all included in the analysis.

In a discussion with the City’s Mayor, utility director, and acting city manager, it was determined that the census estimates were inaccurate in the estimated population and growth rate. Instead of using the estimated census data the growth rate of the number of connections was used instead.

Figure II.A-1 on the next page shows the results from the projected growth rate analysis. Both Hildale City and the Town of Colorado City are included in the results.

Figure II-A-1: Historic Population and Connections (Hildale & Colorado City)

Calendar Year	Hildale Population	Colorado City Population	Est. combined Population	Est. Growth Rate	Number of ERUS
1990	1,325	2,426	3,751		
1995	1,998	3,258	5,256		
2000	1,895	3,334	5,229		
2005	2,392	4,350	6,742		
2006	2,324	4,227	6,551	-2.83%	
2007	2,340	4,255	6,595	0.67%	
2008	2,337	4,251	6,588	-0.11%	
2009	2,343	4,260	6,603	0.22%	
2010	2,726	4,821	7,547	1.00%	
2011	2,735	4,837	7,572	0.33%	
2012	2,750	4,863	7,613	0.55%	
2013	2,747	4,858	7,605	-0.11%	
2014	2,744	4,853	7,597	-0.11%	
2015	2,738	4,842	7,580	-0.22%	
2016	2,735	4,837	7,572	-0.11%	887
2017	2,615	4,625	7,240	-4.39%	868
2018	2,540	4,492	7,032	-2.87%	834
2019	2,540	4,492	7,032	0.00%	834
2020	2,540	4,492	7,032	0.00%	834

The historic population shows that since 1990, the combined population has increased by 1.77% per year; however, in recent years, the combined population has decreased. This has been the result of a significant demographic change in the communities. In discussions with the City it was determined to assume that there will be no population change through year 2021. The City has also determined to assume a growth rate of 1.0% from 2022 to 2024 and a growth rate of 1.8% for the year 2025, until the end of the planning period. The 20-year growth rate analysis is shown in Appendix A.

C. PROJECTED POPULATION & NUMBER OF CONNECTIONS

Based on the forecasted growth rates (0, 1.0% and 1.8%), the number of people the City will need to plan for can be calculated with the compound interest formula shown below. As previously indicated, although this plan incorporates a 10-year and 20-year planning period, it is also necessary to project out 40 years. This is due to the requirement by the State of Utah that water rights be analyzed on a 40-year horizon.

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

F = Future Population

P = Present Population

i = Projected Growth Rate

N = Years

SECTION II- SYSTEM USERS ANALYSIS

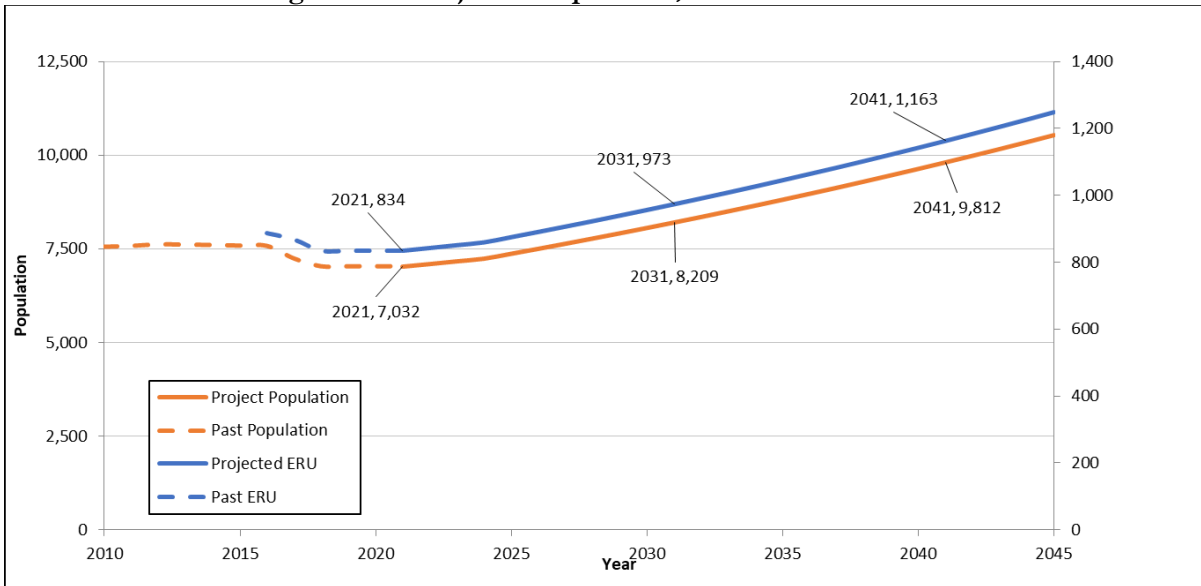
Year 2021 Projected Population (Hildale & Colorado City): $7,032(1+0.00)^1 = \mathbf{7,032 \text{ People}}$
 Year 2022 Projected Population (Hildale & Colorado City): $7,032(1+0.01)^1 = \mathbf{7,103 \text{ People}}$
 Year 2024 Projected Population (Hildale & Colorado City): $7,103(1+0.01)^3 = \mathbf{7,245 \text{ People}}$
 Year 2031 Projected Population (Hildale & Colorado City): $7,245(1+0.018)^7 = \mathbf{8,209 \text{ People}}$
 Year 2041 Projected Population (Hildale & Colorado City): $7,245(1+0.018)^{17} = \mathbf{9,812 \text{ People}}$

The projected number of connections can be estimated with the same equation.

Year 2021 Projected Number of Connections: $847(1+0.00)^1 = \mathbf{847 \text{ Connections}}$
 Year 2022 Projected Number of Connections: $847(1+0.01)^1 = \mathbf{855 \text{ Connections}}$
 Year 2024 Projected Number of Connections: $855(1+0.01)^3 = \mathbf{873 \text{ Connections}}$
 Year 2031 Projected Number of Connections: $873(1+0.018)^7 = \mathbf{989 \text{ Connections}}$
 Year 2041 Projected Number of Connections: $954(1+0.018)^{15} = \mathbf{1,182 \text{ Connections}}$

Figure II-2 shows past population and number of connections and how population and number of connections are projected over the next 40 years.

Figure II-2: Projected Population, Number of ERU



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

D. PROJECTED ERU

An equivalent residential unit (ERU) is used to equate nonresidential culinary water system users to residential users so comparisons can be made in terms of system use. The following table shows the ERUs for Commercial, Industrial/Manufacturing, and Other connections. Other includes connections such as city buildings and parks.

Figure II-3: ERU Per Connection Type

Residential	Commercial	Industrial / Manufacturing	Other
1	1.003	0.578	0.889

Figure II-4 shows the number of ERUs for each type of connection.

Figure II-4: # of ERU

Year	Residential	Commercial	Industrial / Manufacturing	Other	Total
2016	786	55	15	32	887
2017	745	63	14	46	868
2018	715	74	13	31	834

For purposes of this report, the number of ERU’s will be used instead of the number of connections.

E. AVERAGE CULINARY WATER USAGE

The State of Utah Public Drinking Water regulations require public water systems to meet requirements based upon usage. State rules provide a standard usage based upon the types of connections serviced in a system. Usage can also be based upon historical data if there is enough data to provide a confidence level of 90% or higher that the usage shown is representative of actual average use. Hildale City has provided historic usage data which will be used for the analysis. The analysis of this historic usage is outlined in this section.

According to data provided by Hildale City, the average number of existing ERU’s between 2016 and 2018 was 869. To calculate the amount of water used by an average residential connection, the total amount of water used by all Hildale City and Town of Colorado City residential customers over the course of a year was determined. Below provides historic data from city records from 2016 to 2018. The average daily use per residential connection for the last three years was calculated to be 1,190 gal/day. By looking at the downward trend in water usage and number of ERUs, it is recommended that future improvements be sized for **1,079 gal/day per ERU**. The remainder of this report will refer to this usage as historical usage and each section will include analysis showing requirements based upon this historic usage. **Figure II-5** shows a summary of the average usage explained above.

Figure II-5: Average Usage Per Connection

Year	Total Usage (gallons)	Number of ERUs	Usage per ERU (gpd/conn)
2016	416,009	887	1,285
2017	388,739	868	1,227
2018	328,364	834	1,079
3-Year Avg:	377,704	863	1,197
This Master Plan will use a historic daily usage of 1079 gpd/ERU			

F. PEAK DAY DEMAND CULINARY WATER USAGE

Peak day demand is defined by the Utah Administrative Code as the “anticipated water demand on the day of the highest water consumption”. Peak day demand is typically taken as twice the average day demand unless detailed daily records can verify an actual peak day. In this case, peak day demand for this report is taken as **2,158 gpd per ERU**.

The peak day value of 2,158 gpd per ERU should be slightly higher than the highest daily demand in the peak month. In the last 3 years, June has been the month with the highest average usage of 2,050 gpd/ERU. This shows that the 2,158 gpd per ERU (based on a peaking factor of 2) is likely a good approximation for the peak day demand for the system.

G. PEAK INSTANTANEOUS DEMAND CULINARY WATER USAGE

Peak instantaneous demand can be described as the highest demand at any one instance in the system. This can be determined based on hourly usage if such data is available. Where hourly usage data does not exist, which is the case for this study, the state requires that the following formulas are used for indoor and outdoor usage:

Indoor Usage:

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

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

Outdoor Usage:

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

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

Because of the uniqueness of Hildale and Colorado City’s household size (See Section II.H), the above equations yield an unrealistic number for the water system. In fact, the number is less than the calculated peak day demand based on actual data. Because of this, an alternative method was used in calculating the peak instantaneous demand for the system.

The peak instantaneous demand was still calculated by separating indoor and outdoor usage. A peaking factor was determined for both indoor and outdoor usage as well as a composite peaking factor. That peaking factor is defined as the peak instantaneous demand divided by the average day demand.

Once the peaking factors are determined based on the state recommendations, they will be multiplied by the average indoor usage and outdoor usage for the system. The average indoor usage was calculated from the average usage over the past three years in the months of December through February. This value was calculated as 612 gpd/ERU. The average outdoor usage was calculated by subtracting the indoor average demand of 612 gpd/ERU from the total historic daily usage of 1197 gpd/ERU for a value of 585 gpd/conn. These numbers are reflected in Figure II-6.

For peak instantaneous indoor usage, the amount recommended by the equation was calculated and divided by the average day demand recommended by the state as follows:

$$Q_{\text{peak indoor}} = 10.8 \times (834)^{0.64} = 800 \text{ gpm} \quad (\text{as calculated per R309-510})$$

converting to gpd per connection:

$$Q_{\text{peak indoor}} = 800 \text{ gpm} \times 1440 \text{ gpd/gpm} / 834 \text{ ERU} = 1,381 \text{ gpd/conn.}$$

Where the state recommends use of an indoor usage value of 400 gpd/ERU for average day demand, the indoor peaking factor would be $1,381/400 = 3.45$. Multiplying the peaking factor by the indoor average demand of 612 gpd/ERU as calculated above, the indoor peak instantaneous demand was calculated as 2,113 gpd/ERU.

$$Q_{\text{peak indoor}} = 612 \text{ gpd/conn.} \times 3.45 = 2,113 \text{ gpd/ERU.}$$

For outdoor usage, the amount recommended by the state is based on irrigated acreage and the factor by which it is multiplied. This factor is based on location of the water system. Hildale City is in Zone 5 which has a factor of 4.52 for peak day demand and 9.04 for peak instantaneous demand. We have already established that peak day demand is twice the average day demand; and, based on the state's factors, the outdoor peak instantaneous demand can be expected to be twice the outdoor peak day demand. Therefore, the outdoor peak instantaneous demand can be expected to be 4 times the outdoor average day demand for a peaking factor of 4. Multiplying the peaking factor by the outdoor average demand of 467 gpd/ERU as calculated above, the outdoor peak instantaneous demand was calculated as 1,868 gpd/ERU.

$$Q_{\text{peak outdoor}} = 467 \text{ gpd/ERU.} \times 4 = 1,868 \text{ gpd/ERU.}$$

The total peak instantaneous demand was found by adding the outdoor and indoor peak instantaneous demands to be 3,981 gpd/connection.

$$Q_{\text{peak instantaneous demand}} = 2,113 \text{ gpd/ERU} + 1,868 \text{ gpd/ERU} = \mathbf{3,981 \text{ gpd/conn.}}$$

H. COMPARISON TO STATE’S AVERAGE

In comparison to other communities in the State of Utah, the daily average use for the water system is significantly higher. The higher usage is likely due to the larger household size in Hildale City and the Town of Colorado City. In a study conducted in 2009, the Utah Department of Natural Resources (DNR) studied several Utah communities to determine the average water usage in Utah. The results of this study, as compared to the water system usage is shown below. Please note that the indoor usage for Hildale/Colorado City was approximated based on the usage for the months December, January, and February.

The comparison between the average usage determined by the DNR study for the State of Utah and the average usage as determined by this study shows that while the system’s overall usage per household is higher than the state average, the overall usage per capita falls more in line with state average. This can be explained by the differences in household size.

Figure II-6: State Average Comparison

		Hildale/Colorado City	2009 DNR Study (Utah)
per Household	Population	8.30	2.93
	Indoor Usage (gpd)	612	182
	Outdoor Usage (gpd)	467	393
	Total Usage (gpd)	1079	575
per Capita	Indoor Usage (gpcd)	74	62
	Outdoor Usage (gpcd)	56	134
	Total Usage (gpcd)	130	196

I. CONSERVATION

As shown above, the system’s per capita total usage seems to be right in line with, or slightly less than, the state average. The system’s outdoor usage per capita is 58% less than the state average; although when comparing per household, the system’s outdoor usage is slightly less than the state average. Also, the state average indoor usage per capita is 16% less than the system’s indoor usage. Hildale and Colorado City should continue to promote conservation to maintain or decrease the average usage across the system.

This plan assumes a conservation of 1% per year over the planning period. The 1% per year would be with respect to the current usage yielding a total conservation of 20% at the end of the 20-year planning period. The conservation rate of 1% per year was determined based on input from city staff on recent trends in system usage. This conservation may come from a combination of conservation from the existing connections and new connections using less than the average usage.

SECTION II- SYSTEM USERS ANALYSIS

At the end of the 20-year planning period, the assumed conservation would result in a 20% decrease from the existing average day usage of 1,079 gpd/conn. to 863 gpd/conn. and from the existing peak day usage of 2,158 gpd/conn. to 1,726 gpd/conn.

III. WATER SOURCE CAPACITY ANALYSIS

A. EXISTING WATER SOURCE CAPACITY

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

Included in **Figure III-1** are two additional wells that are not currently available for use. These are the Power Plant Well and the Academy Ave. Well. These wells will be discussed more in Section C.

Figure III-1: Existing Water Source Capacity

Hildale City and Town of Colorado City Sources		Total Flow	
Well #		CFS	gpm
24	350 S 450 W Colorado City	0.334	150
22	350 S 450 W Colorado City	0.412	185
11	350 S 450 W Colorado City	0.334	150
8	585 W. Johnson Avenue	0.134	60
4a, 4b	195 S Richard St.	0.334	150
10	155 S Richard St.	0.189	85
21	5 S Richard St.	0.468	210
15	5 N Richard St.	0.056	25
19	730 W Township Ave.	0.323	145
17	330 N Willow	0.178	80
Wells Total =		2.763	1,240
Additional Wells Currently Unavailable			
	Academy Well	0.624	280
	Power Plant Well	0.544	244
Additional Well Total =		1.168	524
Springs			
	Jans Canyon	0.036	16
	Maxwell Canyon	0.143	64
Springs Total =		0.178	80
Source Total Without Additional Wells =		0.321	1,320
Source Total With Additional Wells =		2.941	1,844

Listed spring flows are relatively constant year in and year out. These springs were developed from a horizontal bore into the Navajo sandstone formation.

SECTION III - WATER SOURCE CAPACITY ANALYSIS

B. EXISTING REQUIRED WATER SOURCE CAPACITY

The State of Utah Public Drinking Water Regulations, Section 5, states that a community should have an adequate water source capacity to physically meet the anticipated peak day demand. The peak day demand has already been determined as 2,158 gpd per ERU.

The existing required source capacity calculations are shown in **Figure III-2**.

Figure III-2: Existing Required Water Source Capacity

Required Indoor/Outdoor Source								
834	ERU. X	<u>2,158 gpd</u>	X	<u>1 day</u>	X	<u>1 hr</u>	=	1,249 gpm
		ERU.		24 hr		60 min.		
Existing Culinary System Source Capacity Surplus								71 gpm

The existing source capacity surplus or deficit is determined by subtracting the existing required source capacity of 1,249 gpm from the total available source capacity of 1,320 gpm, which yields a surplus of 71 gpm.

It should be noted that even though the current wells provide 1,240 gpm of source, the current treatment plant can only treat, at maximum capacity, 1,200 gpm.

C. PROJECTED REQUIRED WATER SOURCE CAPACITY

Projected required water source capacity at the end of the planning period is determined from the same information and calculations explained above, except the projected number of culinary water ERU's is substituted in the calculations for the current number of ERU's. Please note that the projected peak day usage has been decreased by 1% per year to adjust for assumed water conservation. The projected required source capacity calculations are shown in **Figure III-3**.

Figure III-3: Projected Required Water Source Capacity

Required Indoor/Outdoor Source - Historical Usage								
1,122	ERU. X	<u>1,770 gpd</u>	X	<u>1 day</u>	X	<u>1 hr</u>	=	1,379 gpm
		ERU.		24 hr		60 min.		
Projected Culinary System Source Capacity Surplus								-59 gpm

The projected source capacity surplus or deficit is determined by subtracting the projected required source capacity of 1,379 gpm from the total available source capacity of 1,320 gpm, which yields a projected deficit of 59 gpm at the end of the planning period.

The deficit calculated for the projected source requirements does not include the source capacity available from the Academy Well or Power Plant Well. The Academy Well is built and available

SECTION III - WATER SOURCE CAPACITY ANALYSIS

for use but still needs to be permitted through the Arizona Division of Drinking Water. After the well is permitted it will add approximately 280 gpm to the available source. This addition would change the 2 gpm deficit to a surplus of 221 gpm.

The Power Plant Well was operated under a temporary operating permit for a period. During that period it was determined that the well contains radium above the State's maximum contaminant levels. The radium levels will need to be reduced either through treatment or blending before the well can be reintroduced into the culinary system. Currently there is not a connection for the water from the Power Plant Well to get to the treatment plant.

D. RECOMMENDED WATER SOURCE CAPACITY IMPROVEMENTS

Currently the City is working on getting the Academy Well permitted and available for use. It is recommended that the City continue to get this well operable. With the Academy Well in operation, the City will have a surplus in required source for the length of the planning period.

The calculated required source capacity shows that once the water from the Academy Well becomes available, the Power Plant Well would not be needed for additional required source capacity. However, the Power Plant Well water is desirable in that it contains less iron and manganese than the shallow wells that currently go to the treatment plant.

Currently, Hildale and Colorado City are conducting studies on improving source capacity from Water Canyon and for improving the ability to treat existing sources via the water treatment plant. The results of these studies may adjust the timing and priority of the recommended source improvements of this report.



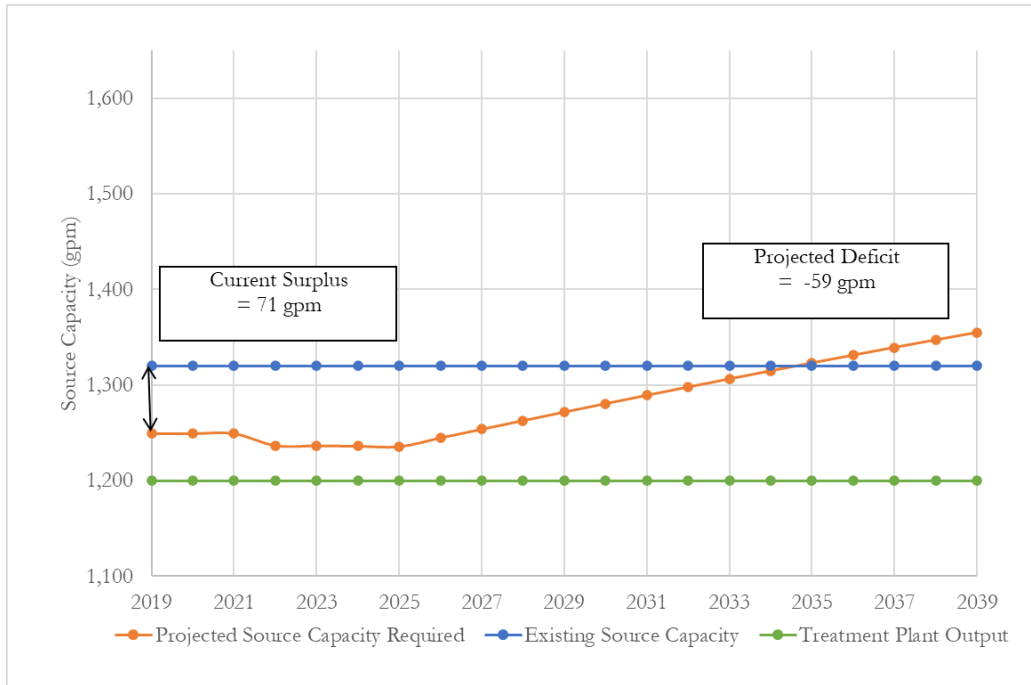
E. WATER CONSERVATION

This report has already assumed that water conservation will reduce usage by the rate of 1% per year. If this were not assumed, the City would have a deficit instead of a surplus at the end of the planning period. If Hildale and Colorado City could find a way to conserve more than has been shown, the surplus would increase. It is recommended that Hildale and Colorado City continue conservation efforts and develop additional conservation measures in order to reach the assumed water conservation and possibly even more. The last master plan presented multiple conservation options. These options include wastewater reuse, recharge groundwater with reclaimed stormwater, and using secondary water for irrigation.

F. SOURCE CAPACITY SUMMARY

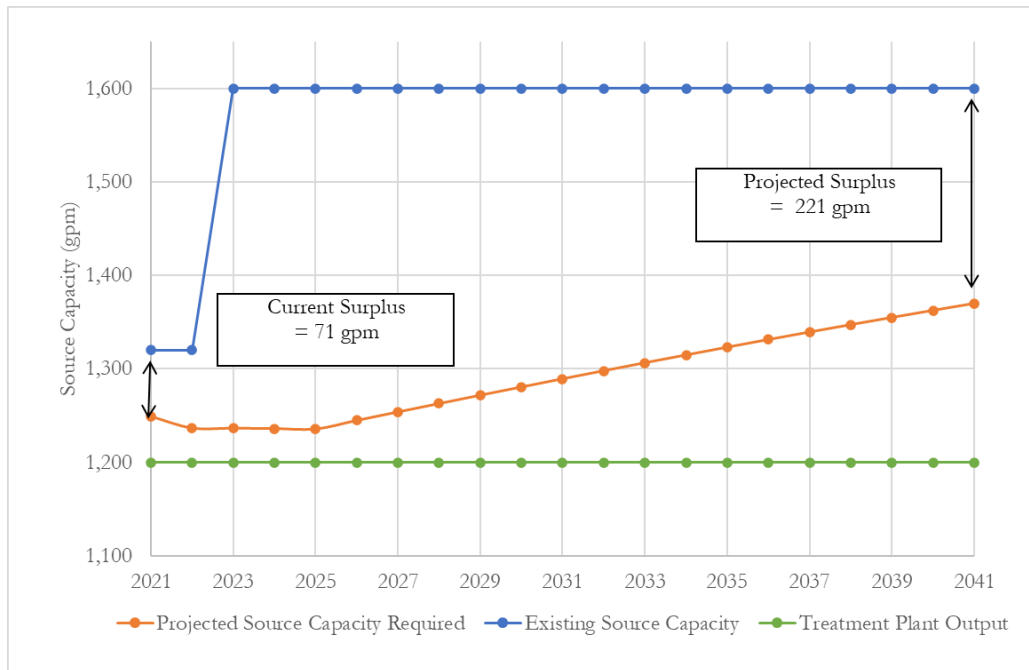
Figure III-4 graphically represents a comparison between the current water source capacity and the projected required peak day demand over the planning period. **Figure III-5** represents a comparison of what the source capacity could look like once Academy Well is available. Appendix B shows the existing and projected required source capacity analysis.

Figure III-4: Existing Source Capacity Summary



SECTION III - WATER SOURCE CAPACITY ANALYSIS

Figure III-5: Water Source Comparison with Academy Well



IV. WATER STORAGE CAPACITY ANALYSIS

A. EXISTING WATER STORAGE CAPACITY

The culinary water storage capacity for Hildale City and the Town of Colorado City is identified in Figure IV-1.

Figure IV-1: Storage Capacity Summary

Saddle Tank	60,000 gal.
800,000 Gallon Tank	800,000 gal.
600,000 Gallon Tank	600,000 gal.
1245 North Elm Street Tank	1,000,000 gal.
Total Existing Storage Capacity	2,460,000 gal.

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

B. EXISTING REQUIRED WATER STORAGE CAPACITY

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

As shown in previous sections, the average water use per ERU in the water system for 2021 is 1,079 gallons per day of culinary water for indoor and outdoor use. Storage requirements for fire protection vary slightly from community to community. In general, fire flow requirements are set by the local Fire Chief or are based on building size and type of construction. The Statewide minimum fire flow is 1,000 gpm. This report uses the same minimum fire flow as the previous report of 1,500 gpm. Also included in required storage is emergency storage as determined by the Owner and Engineer. For planning purposes, this master plan will use an amount of 25% of the total required storage from equalization and fire protection storage.

Based on the requirements for required storage capacity, the required storage capacity is calculated as shown in **Figure IV-2**.

SECTION IV- WATER STORAGE CAPACITY ANALYSIS

Figure IV-2: Existing Required Storage Capacity

Existing Required Storage Capacity							
	<u>1079 gpd</u>	X	834	ERU.	=	899,462	gpd
	ERU.						
Fire Demand	1,500 gpm	X	60 min	X	2 hr	=	180,000 gal.
			1 hr				
Emergency Supply							269,865 gal.
	25% of required storage						
Total Existing Required Storage						1,349,327	gal.
Total Existing Storage Capacity						2,460,000	gal.
Existing Storage Capacity Surplus						1,110,673	gal.

The existing water storage capacity surplus or deficit is determined by subtracting the existing required water storage capacity of 1,349,327 gallons from the total available water storage capacity of 2,460,000 gallons, which yields an existing surplus of 1,110,673 gallons. The existing storage capacity has historically helped temporary deficiencies when the source cannot keep up with the demand during the summer months.

C. PROJECTED REQUIRED WATER STORAGE CAPACITY

The projected required culinary water storage capacity at the end of the planning period is determined from the same factors explained in Section B above, but the projected number of culinary water ERU's is inserted into the calculations in place of the current number of ERU's. Note that the projected average usage has been decreased by 1% per year to adjust for assumed water conservation.

Figure IV-3: Projected Required Storage Capacity

Projected Required Storage Capacity in 2039							
	<u>863 gpd</u>	X	1,143	ERU.	=	986,282	gpd
	ERU.						
Fire Flow	1,500 gpm	X	60 min	X	2 hr	=	180,000 gal.
			1 hr				
Emergency Supply							291,571 gal.
	25% of required storage						
Total Required Storage						1,457,853	gal.
Total Existing Storage Capacity						2,460,000	gal.
Future Storage Capacity Surplus						1,002,147	gal.

The projected water storage capacity surplus or deficit is determined by subtracting the projected required water storage capacity of 1,457,853 gallons from the total available water storage capacity of 2,460,000 gallons, which yields a projected surplus of 1,002,147 gallons in 2041.

D. EXISTING ELEVATION CONSTRAINTS

The elevations of the existing tanks are such that the maximum water elevation would be approximately 5,226 ft. This number is approximate and should not be used for design purposes. The state recommends being able to maintain a minimum static pressure of 50 psi. Therefore, the existing water system can only realistically serve developments at or below the 5,110 ft. elevation line. The current water system will not be able to serve developments that are placed above this elevation.

The existing subdivisions are, for the most part, below 5,110 ft. of elevation. However, there are a few small areas near the Elm Street Tank and Saddle Tanks that are higher than 5,110 ft. of elevation. The effect of this is shown in the distribution system analysis (see Section VI) as these are the areas where the minimum required pressures cannot be met.

E. RECOMMENDED WATER STORAGE CAPACITY IMPROVEMENTS

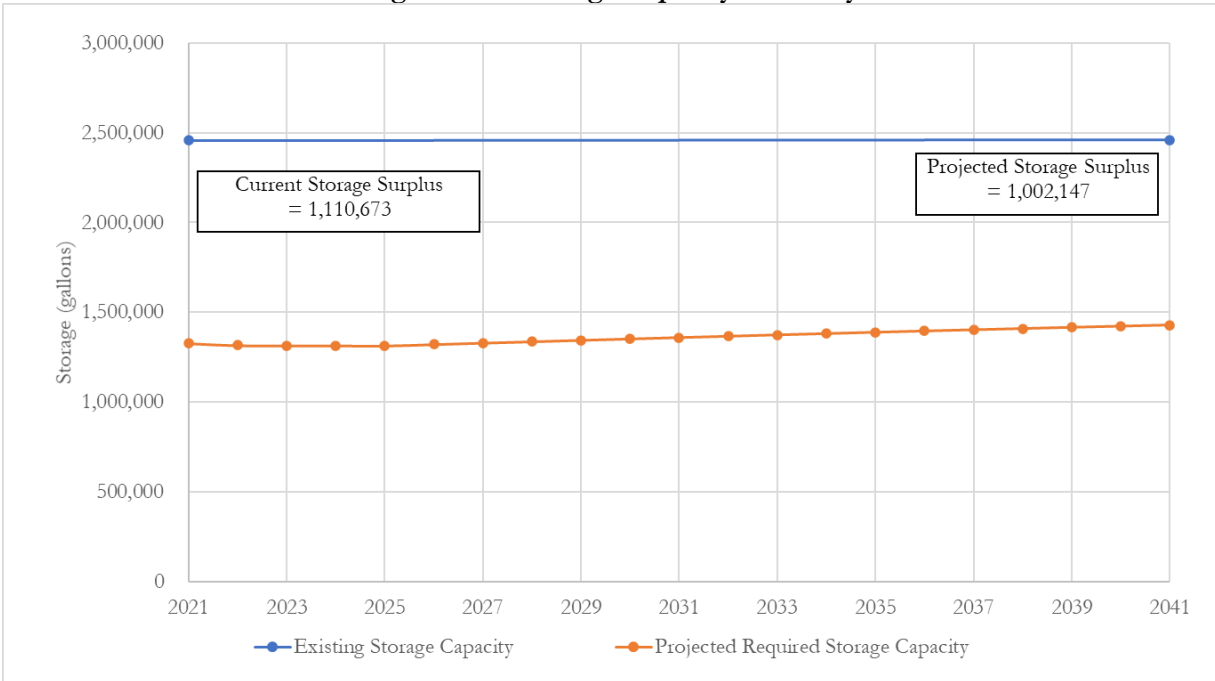
Hildale City currently has adequate storage and is projected to have adequate storage through the planning period according to historic usage as is shown in **Figure IV-4**. However, new tanks can also be used to help the system meet minimum pressure requirements as well as replace existing tanks that are becoming aged or unusable.

Due to the current pressures experienced in the area near the existing Saddle Tank, it is recommended that a water tank be constructed near the existing Saddle Tank. This tank should be approximately 300,000 gallons in capacity and could be built to have the same high-water elevation as the system's other tanks. This tank would help alleviate existing pressure problems in that area during peak instantaneous demand and fire flows.

F. STORAGE CAPACITY SUMMARY

Hildale City and the Town of Colorado City should review their storage needs every five years to ensure that they continue to provide enough storage for the culinary water system. Appendix B shows the existing and projected required storage capacity analysis.

Figure IV-4: Storage Capacity Summary



V. WATER TREATMENT REQUIREMENTS

A. GENERAL REQUIREMENTS

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

B. EXISTING TREATMENT FACILITIES

At present, culinary water from the wells in the system is pumped through a potassium permanganate media water treatment plant. The water treatment plant chlorinates the well water and treats it for high iron, manganese, and radium content through a rapid greensand filtration process. The treatment plant currently has a capacity averaging near 1,200 gpm.

C. RECOMMENDED WATER TREATMENT FACILITY IMPROVEMENTS

Currently the treatment plant does not perform at an optimum level. The plant has been adapted from its original design to increase filtration efforts. These adaptations reduce the available capacity of the plant by half and the plant still does not perform as desired. Sunrise Engineering is currently working with the Town of Colorado City on a Preliminary Engineering Report (PER) funded by USDA Rural Development to provide options for improvements to the existing treatment plant. It is recommended that after a plan of action is determined from the results of the PER that this section of the report be updated to reflect that plan.

VI. WATER DISTRIBUTION SYSTEM ANALYSIS

A. EXISTING DISTRIBUTION SYSTEM ANALYSIS

The State of Utah Public Drinking Water Regulations, R309-105-9, require that no connection experience less than 20 psi at any time during operation of the system. The regulations also require that the distribution system be sized to maintain 20 psi during peak day conditions with fire flow demands, 30 psi during conditions of peak instantaneous demand, and 40 psi during peak day demand. As a general guideline, it is desirable that the system be able to provide a minimum static pressure of 50 psi at every point in the distribution system.

Existing peak flows per ERU were calculated in Section II. These flows are shown below as well as the total demand for the entire system:

$$\text{Peak day demand: } 2,158 \frac{\text{gpd}}{\text{ERU}} \times 834 \text{ ERU} \times \frac{1 \text{ day}}{1,440 \text{ min}} = 1,249 \text{ gpm}$$

$$\text{Peak instantaneous demand: } 3,981 \frac{\text{gpd}}{\text{ERU}} \times 834 \text{ ERU} \times \frac{1 \text{ day}}{1,440 \text{ min}} = 2,305 \text{ gpm}$$

Fire flow added to peak day demand: 1,500 gpm

The existing Hildale and Colorado City culinary water distribution system has been modeled using the computer program Infowater® by Innowyze, Inc. For the existing network there are areas which provide less than the required 40 psi of pressure for peak day demands, areas that provide less than 30 psi for peak instantaneous demands, and areas that do not provide adequate fire flow. For the most part, the same areas do not meet all three requirements. These areas are Northwest Hildale which is the area near the Elm Street Tank (between Jessop Ave. and Newel Ave.), near the Saddle Tank (Canyon St., Carling St., and Louis St.), and on the east side of the system along Johnson Ave. and Edson Ave.). These areas are discussed further below:

- Northwest Hildale – This area suffers from poor fire flow, lack of hydrants, and low pressure during peak day demands and peak instantaneous demands. Fire flows in this area have been modeled as low as 665 gpm during peak day demand. This largely is a result of proximity in elevation to the tank, smaller line sizes, and lack of looping. Peak day demands in this area are as low as 23 psi and peak instantaneous demands less than 14 psi.
- Area near Saddle Tank – This area suffers from poor fire flow, lack of hydrants, and low pressure during peak instantaneous demands. Fire flows in this area have been modeled as low as 650 gpm during peak day demand. This largely is a result of proximity in elevation to the tank, smaller line sizes, and lack of looping. Peak day demands in this area are as low as 39 psi and peak instantaneous demands less than 14 psi.

B. PROJECTED DISTRIBUTION SYSTEM ANALYSIS

The projected distribution system analysis is performed using the same assumptions as in the existing system analysis, except that the projected number of connections is inserted into the calculations. The calculations for the projected distribution demands are shown below:

$$\text{Peak day demand: } 1,726 \frac{\text{gpd}}{\text{ERU}} \times 1,163 \text{ Connections} \times \frac{1 \text{ day}}{1,440 \text{ min}} = 1,322 \text{ gpm}$$

$$\text{Peak instantaneous demand: } 2,573 \frac{\text{gpd}}{\text{ERU}} \times 1,163 \text{ Connections} \times \frac{1 \text{ day}}{1,440 \text{ min}} = 2,573 \text{ gpm}$$

Fire flow added to peak day demand: 1,500 gpm

Using each of the above listed flows, the water system model was used to analyze the existing culinary water system. The same areas that are not meeting the current requirements are those that would continue to not meet the requirements at the end of the planning period.

C. RECOMMENDED DISTRIBUTION SYSTEM IMPROVEMENTS

From the system deficiencies observed in the analysis, specific improvements are recommended which will remedy problems in deficient areas.

In another modeled scenario, all recommended storage and distribution system changes have been incorporated and modeled. With these modifications, the system would be able to meet peak day demands with a 1,500 gpm fire flow at any node equipped with a fire hydrant while maintaining a minimum of 20 psi throughout the system, peak instantaneous demands while maintaining a minimum of 30 psi throughout the system, and peak day demands while maintaining 40 psi throughout the system. There are a few isolated properties that are still slightly below these requirements with all the suggested improvements.

State regulations require all new fire hydrants to be served from 8-inch diameter or larger pipelines unless it can be proven through the use of modeling that 6-inch lines are sufficient. There are a number of hydrants that are on 6-inch pipes; however, with the recommended improvements, these would meet the required fire flow with the exception of one hydrant on Canyon St.

State requirements also require that the average hydrant spacing be no more than 500 feet. There are numerous locations throughout the system where additional fire hydrants are needed to meet the required 500 feet minimum spacing. In placing these new hydrants either new lines will be needed or lines smaller than 6" in diameter will need to be upsized to 8".

Recommended improvements needed to meet future demands are shown in Appendix C.

Recommended Distribution Improvements:

1. Provide looping in Northwest Hildale (area near the Elm Street Tank). It is recommended that 8” lines should be installed in this area. These improvements are shown in Appendix C.
2. Add fire hydrants to meet the minimum required spacing as shown in Appendix C.
3. In conjunction with the recommended tank near the existing Saddle Tank, install a 10” waterline from the new tank to the existing water system at the end of Louis St. and replace that existing line with a 10” line.
4. Add a new 8” line on Canyon St. from Memorial St. to Newel Ave. This will add needed looping to this area.
5. Add a new line at the east end of University Ave. and connect to the line on Township Ave. When modeling for projected distribution needs this area began to see lower pressures. This added line will help keep the pressures above state requirements in this area.

SECTION VII- SUMMARY OF RECOMMENDED IMPROVEMENTS

VII. SUMMARY OF RECOMMENDED IMPROVEMENTS

A. PRIORITY OF IMPROVEMENTS

Below is a list of the proposed improvements, the estimated cost in today’s dollars, the year when these improvements are anticipated, and the inflated cost (assuming inflation rate of 3%):

Figure VII-1: Recommended Improvements Summary

Project	Current Costs	Year	Costs w/ Inflation
0 - 5 Years			
Northwest Hildale Water Improvements	\$ 492,900.00	2023	\$ 538,605.14
Canyon Street Line	\$ 205,300.00	2025	\$ 237,998.97
University to Township Line	\$ 147,900.00	2026	\$ 176,600.33
5 - 10 Years			
Additional Fire Hydrants	\$ 1,250,000.00	2021-2031	\$ 1,679,895.47
New 300,000 Gallon Tank	\$ 747,920.00	2028	\$ 947,442.68
10 - 20 Years			
Power Plant Well to Treatment Plant	\$ 586,500.00	2035	\$ 913,747.89
Total			\$ 4,494,290.48

The culinary system has other improvements that are not listed above that will need to be addressed. These recommended improvements will come from the separate studies done on the treatment plant and water sources up the canyon.

B. PRELIMINARY ENGINEER’S OPINION OF PROBABLE COST

A table showing the opinion of probable cost for the recommended water improvements projects is provided in Appendix D.

Included in the Opinion of Probable Cost for the proposed projects are anticipated construction costs, a contingency budget, and a budget for other normal project costs such as survey, administration, engineering, legal services, fiscal costs, permitting, environmental, rights-of-way, etc.

The proposed improvements have taken into consideration the 20-year planning period and other desires of the City. The locations of the proposed improvements can be found on Appendix C.

C. PROJECTED SPECIAL COURT COSTS

Hildale and Colorado City have been subjected to court ordered special costs and potential costs. Although the total amounts are not settled, they could have a significant impact to the costs associated with the culinary water system. A modest amount is reflected in the Proposed Financing Plan. Table VIII.C-1.

D. POSSIBLE FINANCING PLAN

Figure VII-2 outlines a possible financing plan for FY 2021. The financing plan includes the proposed projects within the 10-year period as shown in **Figure VII-1**. The City may also choose to complete the improvements in separate smaller projects. The projects are assumed to be paid with grant and loan money. It should be noted that funding agencies may require some amount of self-participation in order to provide funding. Impact fees could be used for a portion of this project to help reduce the amount of funding required. The financing plan assumes the loan has an interest rate of 2.50% and payback term of 40 years. A portion of the project is anticipated to be paid by grant funds. For this plan it is assumed that 20% will be from grant money and the remaining 80% will be funded with a bond. The financing plan should be revised when the actual terms are known.

In order to pay for the improvements, the City would need to address the monthly water user fee. The average monthly water user fee for this financing plan was calculated using all the expected expenditures, projects, and debt service and subtracting off the other expected revenues obtained that year. The amount was then divided by the number of expected connections in the system that year to come up with the average monthly water user fee per connection of \$65.19. It should be noted that this amount includes all meter sizes and should not be thought of as the average user fee per $\frac{3}{4}$ " meter.

SECTION VII- SUMMARY OF RECOMMENDED IMPROVEMENTS

Figure VII-2: Possible Financing Plan

Total Project Cost				
Proposed Funding:	Rate	Term	Principal	Est. Payment
RD Loan (10 -year Window Projects)	2.50%	40	\$ 2,275,216.00	\$90,636.04
RD Grant			\$ 568,804.00	
Self Participation			\$ -	
No Source / Treatment Project			\$ -	
TOTAL PROJECT COSTS (2020):				\$ 90,636.04
O&M EXPENSES: (First Year of New Debt Service Payment)				
Contract Wages and Benefits				\$2,503
Office Expenses and Travel				\$22,804
Repairs and Maintenance				\$244,026
Utilities				\$63,255
Legal and Professional Fees				\$47,711
Renewal and Replacement Fund				\$100,000
Interest Income				(\$4,560)
Subtotal Expenses:				\$475,739
EXISTING DEBT SERVICE				
Existing Debt Service				\$0
Subtotal Existing Annual Debt Service:				\$0
GRAND TOTAL EXPENSES:				\$566,375
ANNUAL INCOME				
Impact Fees Expended for 2020 Projects			\$	-
Total Number Of <u>Connections</u>				834
Average Monthly Water User Rate/ERU				\$56.62
Charges for Services, Fees, etc.				\$566,375
GRAND TOTAL INCOME:				\$566,375

VIII. WATER RATE ANALYSIS

A. GENERAL

Generally, water rates are a combination of base rates and overage rates wherein a base amount of water is provided for the base rate charge. The base rate is charged to all connections in the system whether or not water is used and should cover all fixed costs of the system. Overage rates are normally set to encourage water conservation but should always cover all variable costs of the system. Hildale City and the Town of Colorado City have established the service fee rate structure shown in **Figure VIII-1**. The table shows the existing costs and an example of the water bill for certain usage.

Figure VIII-1: Existing Water Rate Structure

HILDALE CITY/TOWN OF COLORADO CITY			
Existing Residential Water Rate Structure			
Total Base Rate		\$28.50 per Conn./Month	
Includes		0 Gallons	
Overage Steps			
Cost Per 1,000 Gal.	Low Gallons	High Gallons	
\$1.20	1	20,000	
\$1.50	20,001	60,000	
\$1.80	60,001	& UP	
Example of Water User's Bill Based on Usage			
Usage	Amount		
(Gallons)	Existing Rates		
0	\$	28.50	Average
5,000	\$	34.50	
15,000	\$	46.50	
32,370	\$	77.06	
80,000	\$	172.50	

B. AVERAGE RATE DETERMINATION

Typically, a user rate analysis is performed to determine the necessary rate structure required to bring in enough revenue to cover O&M costs as well as costs for future projects. Currently the future required treatment and source projects do not have an estimated cost. Without these costs a detailed user rate analysis would not provide an accurate rate structure. Because of this a simplified analysis was performed to provide a reference of what average user rates may look like depending on costs of the treatment and/or source improvements. The analysis was performed on three scenarios with the treatment/source project costing \$0, \$1 million, and \$5 million. The results of this analysis are shown in the three figures below.

SECTION VIII – WATER RATE ANALYSIS

Figure VIII-2: Fixed Rate Analysis Option 1

2021 O&M Expenses	Fixed	Variable	Total
Contract Wages and Benefits	\$2,503	\$0	\$2,503
Office Expenses and Travel	\$11,402	\$11,402	\$22,804
Repairs and Maintenance	\$122,013	\$122,013	\$244,026
Utilities	\$12,651	\$50,604	\$63,255
Legal and Professional Fees	\$11,928	\$35,783	\$47,711
Renewal and Replacement Fund	\$20,000	\$80,000	\$100,000
Interest Income	-\$2,280	-\$2,280	-\$4,560
EXISTING DEBT SERVICE			
	\$0	\$0	\$0
NEW PROJECTS/DEBT SERVICE			
	\$0	\$0	\$0
	\$0	\$0	\$0
	\$0	\$0	\$0
RD Loan (10 -year Window Projects)	\$90,636	\$0	\$90,636
Source / Treatment Project	\$0	\$0	\$0
Total Expenses:	\$268,852	\$297,522	\$566,375
Revenue from Impact Fees	\$0	\$0	\$0
Revenue from User Rates	\$268,852	\$297,522	\$566,375
Total Projected System Connections in 2021	847	847	847
Monthly Cost/Con. in 2021	<u>\$26.45</u>	<u>\$29.27</u>	<u>\$55.72</u>

SECTION VIII – WATER RATE ANALYSIS

Figure VIII-3: Fixed Rate Analysis Option 2

2021 O&M Expenses	Fixed	Variable	Total
Contract Wages and Benefits	\$2,503	\$0	\$2,503
Office Expenses and Travel	\$11,402	\$11,402	\$22,804
Repairs and Maintenance	\$122,013	\$122,013	\$244,026
Utilities	\$12,651	\$50,604	\$63,255
Legal and Professional Fees	\$11,928	\$35,783	\$47,711
Renewal and Replacement Fund	\$20,000	\$80,000	\$100,000
Interest Income	-\$2,280	-\$2,280	-\$4,560
EXISTING DEBT SERVICE			
	\$0	\$0	\$0
NEW PROJECTS/DEBT SERVICE			
	\$0	\$0	\$0
	\$0	\$0	\$0
	\$0	\$0	\$0
RD Loan (10 -year Window Projects)	\$90,636	\$0	\$90,636
Source / Treatment Project (\$1Million)	\$31,869	\$0	\$31,869
Total Expenses:	\$300,721	\$297,522	\$598,244
Revenue from Impact Fees	\$0	\$0	\$0
Revenue from User Rates	\$300,721	\$297,522	\$598,244
Total Projected System Connections in 2021	847	847	847
Monthly Cost/Conn. in 2021	<u>\$29.59</u>	<u>\$29.27</u>	<u>\$58.86</u>

SECTION VIII – WATER RATE ANALYSIS

Figure VIII-4: Fixed Rate Analysis Option 3

2021 O&M Expenses	Fixed	Variable	Total
Contract Wages and Benefits	\$2,503	\$0	\$2,503
Office Expenses and Travel	\$11,402	\$11,402	\$22,804
Repairs and Maintenance	\$122,013	\$122,013	\$244,026
Utilities	\$12,651	\$50,604	\$63,255
Legal and Professional Fees	\$11,928	\$35,783	\$47,711
Renewal and Replacement Fund	\$20,000	\$80,000	\$100,000
Interest Income	-\$2,280	-\$2,280	-\$4,560
EXISTING DEBT SERVICE			
	\$0	\$0	\$0
NEW PROJECTS/DEBT SERVICE			
	\$0	\$0	\$0
	\$0	\$0	\$0
	\$0	\$0	\$0
RD Loan (10 -year Window Projects)	\$90,636	\$0	\$90,636
Source / Treatment Project (\$5Million)	\$159,345	\$0	\$159,345
Total Expenses:	\$428,197	\$297,522	\$725,720
Revenue from Impact Fees	\$0	\$0	\$0
Revenue from User Rates	\$428,197	\$297,522	\$725,720
Total Projected System Connections in 2021	847	847	847
Monthly Cost/Conn. in 2021	<u>\$42.13</u>	<u>\$29.27</u>	<u>\$71.40</u>

The results from the simplified user rate analysis show that in all three scenarios user rates would need to be increased so that annual revenues are sufficient to cover water department expenses. These expenses include O&M, construction, professional services, and other miscellaneous items. Before user rates are adjusted, it is recommended to determine the costs associated with the treatment and source projects. After these costs are determined a separate user rate analysis should be performed to come up with a user rate structure that will provide the revenue to cover the costs of those projects.

It is recommended that the water department maintain a funded depreciation account or a replacement fund to provide the money necessary for replacement and repair of water department facilities and pipelines in the future. The loan for the proposed project may require a fund where at least 5% of the expenses, including debt service, be set aside for this purpose. Hildale City and Town of Colorado City currently do fund a renewal and replacement fund which is considered in the analysis.

APPENDIX A

GROWTH & USER ANALYSIS

Calendar Year	Hildale Population	Colorado City Population	Est. combined Population	Est. Growth Rate	Number of ERUS
1990	1,325	2,426	3,751		
1995	1,998	3,258	5,256		
2000	1,895	3,334	5,229		
2005	2,392	4,350	6,742		
2006	2,324	4,227	6,551	-2.83%	
2007	2,340	4,255	6,595	0.67%	
2008	2,337	4,251	6,588	-0.11%	
2009	2,343	4,260	6,603	0.22%	
2010	2,726	4,821	7,547	1.00%	
2011	2,735	4,837	7,572	0.33%	
2012	2,750	4,863	7,613	0.55%	
2013	2,747	4,858	7,605	-0.11%	
2014	2,744	4,853	7,597	-0.11%	
2015	2,738	4,842	7,580	-0.22%	
2016	2,735	4,837	7,572	-0.11%	887
2017	2,615	4,625	7,240	-4.39%	868
2018	2,540	4,492	7,032	-2.87%	834
2019	2,540	4,492	7,032	0.00%	834
2020	2,540	4,492	7,032	0.00%	834
2021	2,540	4,492	7,032	0.00%	834
2022	2,565	4,537	7,103	1.00%	842
2023	2,591	4,582	7,174	1.00%	850
2024	2,617	4,628	7,245	1.00%	859
2025	2,664	4,712	7,376	1.80%	874
2026	2,712	4,796	7,509	1.80%	890
2027	2,761	4,883	7,644	1.80%	906
2028	2,811	4,971	7,781	1.80%	922
2029	2,861	5,060	7,921	1.80%	939
2030	2,913	5,151	8,064	1.80%	956
2031	2,965	5,244	8,209	1.80%	973
2032	3,019	5,338	8,357	1.80%	991
2033	3,073	5,434	8,507	1.80%	1,008
2034	3,128	5,532	8,660	1.80%	1,027
2035	3,184	5,632	8,816	1.80%	1,045
2036	3,242	5,733	8,975	1.80%	1,064
2037	3,300	5,836	9,136	1.80%	1,083
2038	3,360	5,941	9,301	1.80%	1,103
2039	3,420	6,048	9,468	1.80%	1,122
2040	3,482	6,157	9,639	1.80%	1,143
2041	3,544	6,268	9,812	1.80%	1,163

APPENDIX B

FOUR POINT ANALYSIS

Year	Number of ERU	Percent Reduction in Usage per ERU	Peak Day Usage (gpd/ERU.)	Source Capacity Required (gpm)
2019	834	0.0%	2158	1,249
2020	834	0.0%	2158	1,249
2021	834	0.0%	2158	1,249
2022	842	1.0%	2136	1,249
2023	850	2.0%	2115	1,249
2024	859	3.0%	2093	1,248
2025	874	4.0%	2072	1,258
2026	890	5.0%	2050	1,267
2027	906	6.0%	2029	1,276
2028	922	7.0%	2007	1,286
2029	939	8.0%	1985	1,295
2030	956	9.0%	1964	1,304
2031	973	10.0%	1942	1,312
2032	991	11.0%	1921	1,321
2033	1008	12.0%	1899	1,330
2034	1027	13.0%	1877	1,338
2035	1045	14.0%	1856	1,347
2036	1064	15.0%	1834	1,355
2037	1083	16.0%	1813	1,363
2038	1103	17.0%	1791	1,371
2039	1122	18.0%	1770	1,379
2040	1143	19.0%	1748	1,387
2041	1163	20.0%	1726	1,394

Storage Capacity Analysis								
Year	Number of ERU	Percent Reduction in Usage per ERU	Avg. Usage (gpd/ERU)	Storage Required	Fire Flow Stg Rqd	Emergency Supply (25%)	Existing Stg Capacity	Total Stg Rqd
2019	834	0.0%	1,079	899,462	180,000	269,865	2,460,000	1,349,327
2020	834	0.0%	1,079	890,467	180,000	267,617	2,460,000	1,338,084
2021	834	0.0%	1,079	881,472	180,000	265,368	2,460,000	1,326,840
2022	842	1.0%	1,068	881,202	180,000	265,301	2,460,000	1,326,503
2023	850	2.0%	1,057	880,839	180,000	265,210	2,460,000	1,326,049
2024	859	3.0%	1,047	880,380	180,000	265,095	2,460,000	1,325,475
2025	874	4.0%	1,036	886,793	180,000	266,698	2,460,000	1,333,491
2026	890	5.0%	1,025	893,152	180,000	268,288	2,460,000	1,341,440
2027	906	6.0%	1,014	899,452	180,000	269,863	2,460,000	1,349,315
2028	922	7.0%	1,003	905,689	180,000	271,422	2,460,000	1,357,112
2029	939	8.0%	993	911,860	180,000	272,965	2,460,000	1,364,825
2030	956	9.0%	982	917,959	180,000	274,490	2,460,000	1,372,449
2031	973	10.0%	971	923,983	180,000	275,996	2,460,000	1,379,978
2032	991	11.0%	960	929,926	180,000	277,481	2,460,000	1,387,407
2033	1008	12.0%	950	935,783	180,000	278,946	2,460,000	1,394,729
2034	1027	13.0%	939	941,550	180,000	280,388	2,460,000	1,401,938
2035	1045	14.0%	928	947,222	180,000	281,805	2,460,000	1,409,027
2036	1064	15.0%	917	952,792	180,000	283,198	2,460,000	1,415,990
2037	1083	16.0%	906	958,256	180,000	284,564	2,460,000	1,422,820
2038	1103	17.0%	896	963,608	180,000	285,902	2,460,000	1,429,511
2039	1122	18.0%	885	968,843	180,000	287,211	2,460,000	1,436,054
2040	1143	19.0%	874	973,954	180,000	288,488	2,460,001	1,442,442
2041	1163	20.0%	863	978,934	180,000	289,734	2,460,002	1,448,668



APPENDIX C

DISTRIBUTION SYSTEM / RECOMMENDED IMPROVEMENTS

EXISTING DISTRIBUTION SYSTEM







Map Legend

Tank

-  Existing Tank
-  Existing Spring

Pipe

DIAMETER

-  4" or Smaller
-  6"
-  8"
-  10"
-  12"
-  Existing Hydrant

59

Utah Ave.

Central St.

Richard St.

Township Ave.

389



SUNRISE
ENGINEERING

N






0 750 1,500 3,000

1" = 2,500 Feet






RECOMENDED IMPROVEMENTS

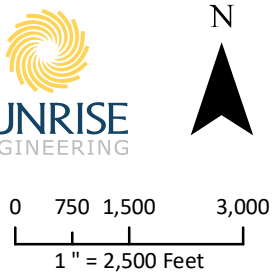
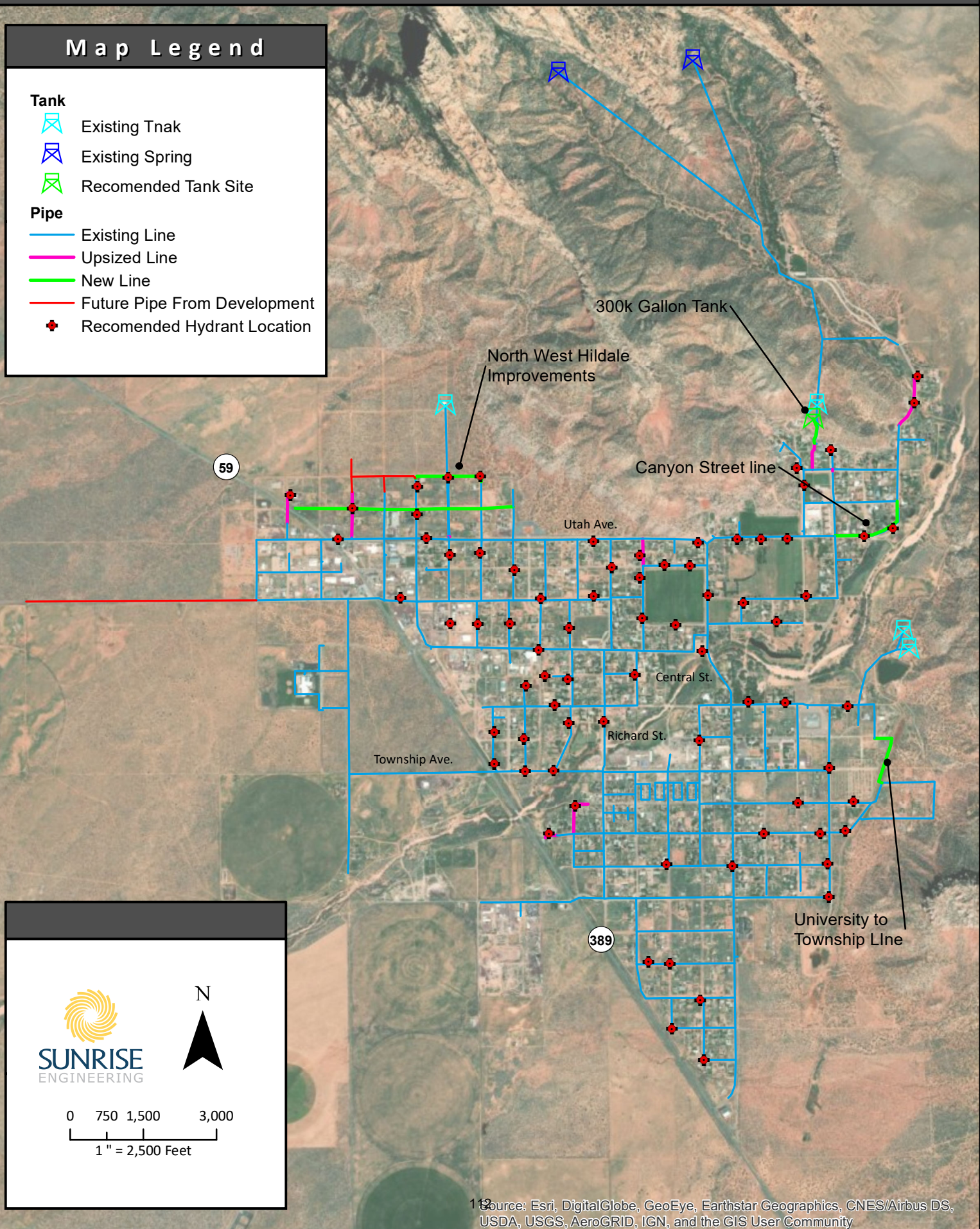
Map Legend

Tank

-  Existing Tank
-  Existing Spring
-  Recommended Tank Site

Pipe

-  Existing Line
-  Upsized Line
-  New Line
-  Future Pipe From Development
-  Recommended Hydrant Location



APPENDIX D

**ENGINEER'S OPINION
OF PROBABLE COST**

SUNRISE ENGINEERING, INC.
 11 North 300 West, Washington, Utah 84780
 Tel: (435) 652-8450 Fax: (435) 652-8416
Engineer's Opinion of Probable Cost

Power Plant Well	20-Apr-20
Hildale City/Town of Colorado City	BCW/sbh

NO.	DESCRIPTION	Estimated Quantity	Units	Unit Price	TOTAL COST
Connect Power Plant Well to Treatment Plant					
1	Mobilization	1	LS	\$ 20,600.00	\$ 20,600
2	Pre-Construction DVD	1	LS	\$ 7,500.00	\$ 7,500
3	Traffic Control	1	LS	\$ 15,000.00	\$ 15,000
4	Subsurface Investigation	16	HR	\$ 250.00	\$ 4,000
5	Materials Sampling & Testing	1	LS	\$ 7,500.00	\$ 7,500
6	Dust Control & Watering	1	LS	\$ 8,000.00	\$ 8,000
7	Construction Staking	1	LS	\$ 6,000.00	\$ 6,000
8	Erosion Control and SWPPP Compliance	1	LS	\$ 7,500.00	\$ 7,500
9	6" PVC (C900) Line, Fittings, & Tracer Wire	6400	LF	\$ 36.00	\$ 230,400
10	6" Gate Valve Assembly	9	EA	\$ 1,300.00	\$ 11,100
11	Pavement Restoration	25600	SF	\$ 2.25	\$ 57,600
12	Well Connection	1	LS	\$ 10,000.00	\$ 10,000
13	Bore Across Highway	95	LF	\$ 500.00	\$ 47,500
14	Subtotal				\$ 432,700
14	Contingency	15%			\$ 64,900
15	Total Construction				\$ 497,600
<i>Professional Services/Incidentals</i>					
1	Funding Administration	1.00%	LS	\$ 5,000	\$ 5,000
2	Civil Engineering Design	7.00%	LS	\$ 34,800	\$ 34,800
3	Bidding or Negotiating	1.00%	HR	\$ 5,000	\$ 5,000
4	Construction Administration & Observation	8.00%	HR	\$ 39,800	\$ 39,800
5	Miscellaneous Services	1.00%	LS	\$ 4,300	\$ 4,300
6	TOTAL PROJECT COST				\$ 586,500

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SUNRISE ENGINEERING, INC.
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Engineer's Opinion of Probable Cost

New 300,000 Gallon Tank 20-Apr-20
 Hildale City/Town of Colorado City BCW/sbh

NO.	DESCRIPTION	Estimated Quantity	Units	Unit Price	TOTAL COST
Tank					
1	Mobilization	1	LS	\$ 26,400	\$ 26,400
2	Materials Sampling & Testing	1	LS	\$ 10,000	\$ 10,000
3	Earthwork	1	LS	\$ 35,000	\$ 35,000
4	300K Concrete Storage Tank	1	LS	\$ 350,000	\$ 350,000
5	Tank Site Appurtenances	1	LS	\$ 20,000	\$ 20,000
6	6' Chain Link Fence	600	LN FT	\$ 25.00	\$ 15,000
7	Metering Station	1	LS	\$ 25,000	\$ 25,000
8	6" Untreated Base Course	5500	SF	\$ 2.00	\$ 11,000
9					
Trunk Line					
10	10" PVC (C900), Fittings, Installation, Pipe Bedding, Trench Backfill	780	LF	\$ 54.00	\$ 42,120
11	10" Gate Valve Assembly	3	EA	\$ 3,200.00	\$ 9,600
12	Tie-ins & Connections	1	LS	\$ 10,000.00	\$ 10,000
	Subtotal				\$ 554,120
	Contingency	15%			\$ 83,100
	Total Construction				\$ 637,220
Professional Services/Incidentals					
1	Funding Administration	1.00%	HR	\$ 6,400	\$ 6,400
2	Civil Engineering Design	7.00%	LS	\$ 44,600	\$ 44,600
3	Bidding or Negotiating	0.78%	HR	\$ 5,000	\$ 5,000
4	Construction Administration & Observation	8.00%	HR	\$ 51,000	\$ 51,000
5	Miscellaneous Services	0.50%	HR	\$ 3,200	\$ 3,200
6	GIS Update	0.08%	HR	\$ 500	\$ 500
TOTAL PROJECT COST					\$ 747,920

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Engineer's Opinion of Probable Cost

Fire Hydrant Improvements 20-Apr-20
 Hildale City/Town of Colorado City BCW/dws

NO.	DESCRIPTION	Estimated Quantity	Units	Unit Price	TOTAL COST
<i>New Hydrants and Upgraded Lines</i>					
1	Mobilization	1	LS	\$ 47,055.00	\$ 47,100
2	Project Sign	1	LS	\$ 1,000.00	\$ 1,000
3	Pre-Construction DVD	1	LS	\$ 1,500.00	\$ 1,500
3	Traffic Control	1	LS	\$ 7,500.00	\$ 7,500
4	Subsurface Investigation	24	HR	\$ 250.00	\$ 6,000
4	Materials Sampling & Testing	1	LS	\$ 5,000.00	\$ 5,000
5	Dust Control & Watering	1	LS	\$ 8,500.00	\$ 8,500
5	Construction Staking	1	LS	\$ 4,000.00	\$ 4,000
6	Erosion Control Compliance	1	LS	\$ 5,000.00	\$ 5,000
6	6" PVC (C900) Line, Fitting, Tracer Wire, Bedding, & Backfill	2112	LF	\$ 36.00	\$ 76,000
7	6" Gate Valve Assembly	80	EA	\$ 1,300.00	\$ 104,000
7	8" PVC (C900) Line, Fitting, Tracer Wire, Bedding, & Backfill	2930	LF	\$ 45.00	\$ 131,900
8	8" Gate Valve Assembly	8	EA	\$ 2,500.00	\$ 20,000
8	Fire Hydrant Assembly	78	EA	\$ 6,500.00	\$ 507,000
9	Restore Gravel Road	21176	SF	\$ 1.15	\$ 24,400
9	Pavement Restoration	9076	SF	\$ 3.50	\$ 31,800
10	Restore Surface Improvements	1	LS	\$ 7,500.00	\$ 7,500
	Subtotal				\$ 988,200
	Contingency	15%			\$ 148,200
	Total Construction				\$ 1,136,400
<i>Professional Services/Incidentals</i>					
1	Funding Administration	1.00%	HR	\$ 11,364	\$ 11,400
2	Civil Engineering Design	4.00%	LS	\$ 39,500	\$ 45,500
3	Bidding or Negotiating	0.44%	LS	\$ 5,000	\$ 5,000
4	Construction Administration & Observation	4.00%	HR	\$ 39,500	\$ 45,500
5	Miscellaneous Services	0.50%	HR	\$ 4,900	\$ 5,700
6	GIS Update	0.04%	HR	\$ 500	\$ 500
	TOTAL PROJECT COST				\$ 1,250,000

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Engineer's Opinion of Probable Cost

Northwest Hildale Water Improvements	20-Apr-20
Hildale City/Town of Colorado City	BCW/dws

NO.	DESCRIPTION	Estimated Quantity	Units	Unit Price	TOTAL COST
North West Hildale Water Improvements					
1	Mobilization	1	LS	\$ 17,180.00	\$ 17,200
2	Project Sign	1	LS	\$ 1,000.00	\$ 1,000
3	Pre-Construction DVD	1	LS	\$ 1,500.00	\$ 1,500
4	Traffic Control	1	LS	\$ 7,500.00	\$ 7,500
5	Subsurface Investigation	16	HR	\$ 250.00	\$ 4,000
6	Materials Sampling & Testing	1	LS	\$ 5,000.00	\$ 5,000
7	Dust Control & Watering	1	LS	\$ 5,000.00	\$ 5,000
8	Construction Staking	1	LS	\$ 4,000.00	\$ 4,000
9	Erosion Control Compliance	1	LS	\$ 3,000.00	\$ 3,000
10	Abandon Existing 2" Line	1	LS	\$ 2,500.00	\$ 2,500
11	8" PVC (C900) Line, Fitting, Tracer Wire, Bedding, & Backfill	5060	LF	\$ 45.00	\$ 227,700
12	8" Gate Valve Assembly	14	EA	\$ 2,500.00	\$ 35,000
13	Reconnect Water Services	5	EA	\$ 1,000.00	\$ 5,000
14	Restore Gravel Road	30360	SF	\$ 1.15	\$ 34,900
15	Restore Surface Improvements	1	LS	\$ 7,500.00	\$ 7,500
	Subtotal				\$ 360,800
	Contingency	15%			\$ 54,100
	Total Construction				\$ 414,900
<i>Professional Services/Incidentals</i>					
1	Funding Administration	1.00%	HR	\$ 4,100	\$ 4,100
2	Civil Engineering Design	7.50%	EST	\$ 31,100	\$ 31,100
3	Bidding or Negotiating	1.21%	HR	\$ 5,000	\$ 5,000
4	Construction Administration & Observation	8.00%	HR	\$ 33,200	\$ 33,200
5	Miscellaneous Services	1.00%	HR	\$ 4,100	\$ 4,100
6	GIS Update	0.12%	HR	\$ 500	\$ 500
	TOTAL PROJECT COST				\$ 492,900

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Engineer's Opinion of Probable Cost

Canyon Street Line	20-Apr-20
Hildale City/Town of Colorado City	
	BCW/dws

NO.	DESCRIPTION	Estimated Quantity	Units	Unit Price	TOTAL COST
Canyon Street Line					
1	Mobilization	1	LS	\$ 7,000.00	\$ 7,000
2	Project Sign	1	LS	\$ 1,000.00	\$ 1,000
3	Pre-Construction DVD	1	LS	\$ 1,000.00	\$ 1,000
4	Traffic Control	1	LS	\$ 5,000.00	\$ 5,000
5	Subsurface Investigation	8	HR	\$ 250.00	\$ 2,000
6	Materials Sampling & Testing	1	LS	\$ 2,500.00	\$ 2,500
7	Dust Control & Watering	1	LS	\$ 4,000.00	\$ 4,000
8	Construction Staking	1	LS	\$ 2,500.00	\$ 2,500
9	Erosion Control Compliance	1	LS	\$ 2,500.00	\$ 2,500
10	Pavement Removal	10620	SF	\$ 0.50	\$ 5,300
11	8" PVC (C900) Line, Fitting, Tracer Wire, Bedding, & Backfill	1770	LF	\$ 45.00	\$ 79,700
12	8" Gate Valve Assembly	2	EA	\$ 2,500.00	\$ 5,000
13	Restore Surface Improvements	1	LS	\$ 2,500.00	\$ 2,500
14	Pavement Restoration	10620	SF	\$ 2.50	\$ 26,600
	Subtotal				\$ 146,600
	Contingency	15%			\$ 22,000
	Total Construction				\$ 168,600
<i>Professional Services/Incidentals</i>					
1	Funding Administration	1.00%	HR	\$ 1,700	\$ 1,700
2	Civil Engineering Design	8.50%	EST	\$ 14,300	\$ 14,300
3	Bidding or Negotiating	2.97%	HR	\$ 5,000	\$ 5,000
4	Construction Administration & Observation	8.00%	HR	\$ 13,500	\$ 13,500
5	Miscellaneous Services	1.00%	HR	\$ 1,700	\$ 1,700
6	GIS Update	0.30%	HR	\$ 500	\$ 500
	TOTAL PROJECT COST				\$ 205,300

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Engineer's Opinion of Probable Cost

University to Township Line	20-Apr-20
Hildale City/Town of Colorado City	BCW/dws

NO.	DESCRIPTION	Estimated Quantity	Units	Unit Price	TOTAL COST
University to Township Line					
1	Mobilization	1	LS	\$ 4,510.00	\$ 4,500
2	Project Sign	1	LS	\$ 1,000.00	\$ 1,000
3	Pre-Construction DVD	1	LS	\$ 1,000.00	\$ 1,000
4	Traffic Control	1	LS	\$ 2,500.00	\$ 2,500
5	Subsurface Investigation	8	HR	\$ 250.00	\$ 2,000
6	Materials Sampling & Testing	1	LS	\$ 4,500.00	\$ 4,500
7	Dust Control & Watering	1	LS	\$ 4,000.00	\$ 4,000
8	Construction Staking	1	LS	\$ 6,500.00	\$ 6,500
9	Erosion Control Compliance	1	LS	\$ 2,500.00	\$ 2,500
10	8" PVC (C900) Line, Fitting, Tracer Wire, Bedding, & Backfill	1360	LF	\$ 45	\$ 61,200
11	8" Gate Valve Assembly	2	EA	\$ 2,500	\$ 5,000
12	Restore Surface Improvemtns	1	LS	\$ 7,500	\$ 7,500
	Subtotal				\$ 102,200
	Contingency	15%			\$ 15,300
	Total Construction				\$ 117,500
<i>Professional Services/Incidentals</i>					
1	Funding Administration	1.00%	HR	\$ 1,200	\$ 1,200
2	Civil Engineering Design	9.20%	EST	\$ 10,800	\$ 10,800
3	Bidding or Negotiating	4.26%	HR	\$ 5,000	\$ 5,000
4	Construction Administration & Observation	8.00%	HR	\$ 9,400	\$ 9,400
5	Miscellaneous Services	3.00%	HR	\$ 3,500	\$ 3,500
6	GIS Update	0.43%	HR	\$ 500	\$ 500
	TOTAL PROJECT COST				\$ 147,900

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