

APPENDIX B

Operational Metrics: Annual Goals

Metric	Performance Target	Actual - 2020
<i>Example: Emergency Waterline Repairs</i>	<i>Annual</i>	<i>5</i>
Operating Ratio: Total Expenses/Revenues	1 or below	0.96
Operating Cost per Service Connection: Includes All Expenses	550.00 or below	\$448.16
Water Main Breaks per 10 Mile of Pipe: (Assuming Depressurized Events, Boil Advisories Issues) 2017 13 leak repairs and 3 boil advisories, 11.28 miles of distribution (per 10 mile factor 1.128).	5 Per 10 Miles of Pipe (Main Lines)	15 Per 10 Miles of Pipe (Main Lines)
Unaccounted for Water Loss - %	20% or Less	35%
Customer Complaints (Not Rate Related)	10 or below	Undetermined
Maintenance Tasks Per Yr. on Vertical Assets (Planned V Unplanned)	13	7

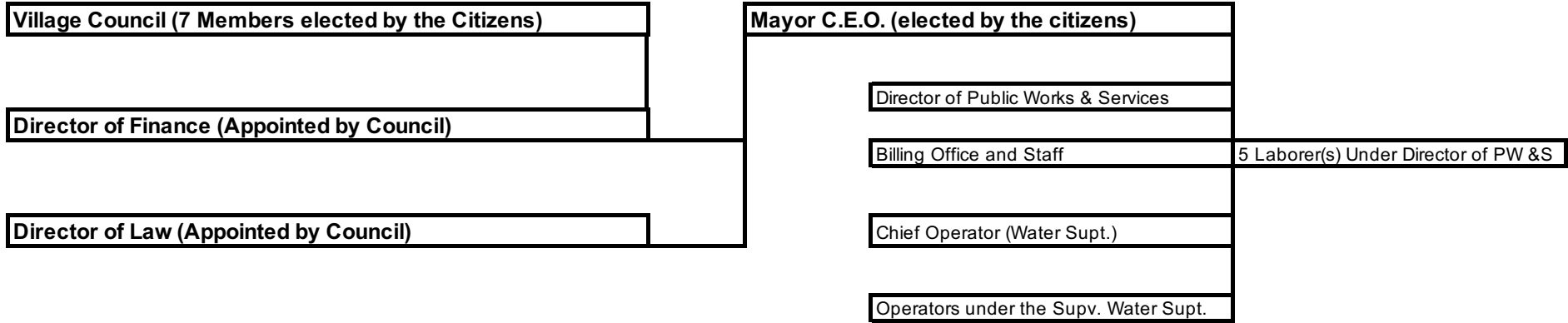
APPENDIX C

Organizational Chart and Job Descriptions

Table of Organization: Attached

Job Description: Attached								
Mayor, C.E.O. (Ironton City Charter Article III)	Yes	X	No		Yes	X	No	
Director of Finance (Ironton City Charter Article IV)	Yes	X	No					
Director of Public Works and Services (Ironton City Charter Article IV)	Yes	X	No					
Water Department Supervisor (Clear Water Treatment Operator Job Description on file with HR Director)	Yes	X	No					
Water Clerk (Job Description on file with HR Director)	Yes	X	No					
Water Treatment Operator Trainee (Job Description on file with HR Director)	Yes	X	No					
Water Meter Reader (Job Description on file with HR Director)	Yes	X	No					

Organizational Chart City of Ironton, OH as applicable to Drinking Water Operations



APPENDIX D

Compliance Status

Is the Utility Under Finding & Orders	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
Did the utility have NOV's in last 12 months	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
Did the utility have required actions listed in their last OEPA Inspection?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
Did the utility have recommendations listed in their last OEPA Inspection?	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>

If yes to any of the above please describe your actions to date to address and/or attached copy of response letter.

Required actions: elevated the well casing above floodplain and updated record keeping requirements. NOV's were related to reporting procedures. All NOV's and all recommendations on last inspection have been addressed accordingly and are documented.

APPENDIX D

Drinking Water - Best Management Practices

Performance Monitoring

	<u>General Recommendation</u>	<u>Supplemental Information</u>	<u>Budgetary Cost</u>
System Wide Performance Monitoring	Daily, Monthly, Annually	System wide performance monitoring should be performed on an ongoing basis. This job is made easier by SCADA systems using flow data from the treatment plant and pump stations. System-wide performance monitoring will allow you to monitor gradual changes in the efficiency of water delivery.	SCADA system installed for Ironton Water System in 2019 to include Filter Controls, Backwashing, Valve Control and PF Flow Route Analysis. <u>No further budgetary cost is projected at this time.</u>
	GIS/CMMS Software	CMMS Cooperative Membership or Software maintenance fees. As you implement the asset management plan with routine cleaning and inspection you will collect a lot of asset attribute and condition assessment information. In order for this information to be useful it will need to be organized and stored in a databased format. Good GIS and CMMS software will be critical to using this data. Due to the size of your system, GIS software may be able to be a effective method for tracking maintenance and repair. However the Village may want to utilize CMMS software that will better track condition and maintenance information as you implement your asset management plan.	Specific CMMS is not currently in place within the City of Ironton Water Works. Ohio RCAP GIS has been contracted with in order to initiate data point collection, basic system mapping and Inventory analysis. Future GIS Coop Data Collection on an on going basis is currently being investigated by Ironton and seriously considered. Future Budgetary Cost anticipated: <u>\$12,888</u>
District Area Metering	Monthly, Annually	District Meter Area (DMA) management involves subdividing the distribution system into districts by manipulating of valves and measuring total water to metered consumption. The subsequent analysis of flow, particularly of the night flow, is used to calculate the level of leakage within the district. DMA flow monitoring is used to determine not only whether work should be undertaken to reduce leakage, but also to compare levels of leakage in the different districts to assess where it is most beneficial to undertake leak location activities.	District Area Metering is not utilized by the City of Ironton nor considered at this time as a future Asset Management Practice.
Water Audits	Annually	Audit results are more useful when the results are compared over time. The audit program will help producers to identify area in data collection and analysis. The industry is moving toward benchmarks based upon the volume water loss per service connection in densely populated urban situation and volume water loss per pipeline distance in sparsely populated rural systems. Reference "The Water Audit Handbook for Small Drinking Water Systems - EFCN Smart Management for Small Water System Program"	Currently an Informal Water Audit process is utilized by the City of Ironton Water Works. The current process simply compares water sold in relationship to water produced at the plant. A more formal, complete process of water audit tracking is desired by the City which would include comparing water sold to: water produced at the plant minus: backwash, water utilized in flushing, leaks recorded etc. Also, currently metering of certain non customer location is in need. An estimated <u>00.00</u> annually is forecasted at this time.

APPENDIX D

Drinking Water - Best Management Practices

Performance Monitoring

General Recommendation

Supplemental Information

Budgetary Cost

Best Management Practices

General Recommendation

Supplemental Information

Budgetary Cost

Valve Exercising and Maintenance	All valves (such as distribution and transmission valves, air valves, and blow-offs) should be inspected and operated on a regular basis. (I could not locate any specific recommendations)	A valve exercising is a procedure that verifies proper location, operation, and material condition of valves, and initiates replacement as necessary. The physical operation of a valve and the documentation of the actions and procedures necessary to do so are equally important. The useful lifespan of valves at 40 years is less than half that of the pipe to which they are connected. Operational valves are necessary to fix water main breaks which are more likely to occur as the pipeline ages. Plan accordingly.	Currently only Critical Valves are exercised which consists of less than 1% of the total inventory. A complete map and written plan for Valve Exercising has been developed during 2021 and will initiate a more detailed valve exercising program. The Ironton Water Utility Crew has in it's possession a E Wachs Valve Exercising Tractor. However, due to a lack of manpower, consistent utilization of the tractor is deficient. A new full time employee for this purpose only is required. An additional annual budgetary number of: \$80,000 is required.
Hydrant Testing and Maintenance	Hydrants should be inspected (flushed) twice a year, spring and fall.	The inspection and testing of fire hydrants is critical to determining the readiness of the hydrants to provide water at fire emergencies. The inspections shall verify the location, accessibility, proper mechanical operation, and water flow from the hydrant.	The Ironton City Fire Department performs bi annual Hydrant Inspections. Any identified substandard hydrant is identified to the Public Works Department for replacement or repair. No further budgetary cost is anticipated at this time.
Pipeline Condition Assessment	One factor used to quantify the occurrences of failing underground pipe is water main break rates. Water main break rates are calculated for all pipe materials used in the transport of water to create a measurement to judge pipe performance and durability.	The Average Age of Failing Water Mains is 47 years old. While pipe life can be estimated at over 100 years, actual life is affected by soil corrosivity and installation practices. Corrosion is a Major Cause of Water Main Breaks. One in four main breaks is caused by corrosion which is ranked the second highest reason for water main pipe failure. When failures rates of Cast Iron, Ductile Iron, PVC, Concrete, Steel, and Asbestos Cement pipes were compared, PVC is shown to have the lowest overall failure rate. "Water Main Break Rates in the USA and Canada: A Comprehensive Study - April 2012"	Although strongly considered, this practice will not be undertaken by the City of Ironton until further advancement of the Water Audit Practice mentioned above is instituted. Nor further budgetary cost is anticipated at this time.
Water Source (Wells)	Critical and expensive assets such as these should be monitored rigorously. Wells should be cleaned regularly based upon declines in yield. Pumps and motors should be maintained in accordance with the Operators Manual.	This equipment should be set-up on a predictive monitoring schedule which may includes activities such as Well Drawdown, Amp Readings, Pump Performance Tests, Vibration Analysis, Oil Analysis, Ultrasound and Thermography. Operational data used to pump station performance include: pump run times, start counts, volume pumped, supply voltage, individual phase amp readings, grounding system test, pump breakdown and utility bills. SCADA controls permit remote monitoring which improves labor efficiency.	Main Well Tank #1 and Main Well Tank #2 have been routinely inspected plus cleaned each 5 years.

APPENDIX D

Drinking Water - Best Management Practices

Performance Monitoring

	<u>General Recommendation</u>	<u>Supplemental Information</u>	<u>Budgetary Cost</u>
Inspection of Water Storage Tanks	Sanitary, safety, security and some structural conditions should be inspected every year. Coating system conditions should be inspected every 2 to 5 years. <u>Annual inspections should be performed by utility department staff. Professional inspection and cleaning should be performed every 5 years.</u> Storage facilities should be cleaned every 2 to 5 years depending on silt build up	Sanitary conditions are those that could allow contamination of the water in storage. Structural and footing conditions are those that can affect the structural integrity of the storage facility. Safety and security conditions are those affecting the equipment that enables or protects inspectors and maintenance workers and prevents access to the tank by unauthorized people. Coating system conditions are those affecting the interior and exterior paint. " Inspection of Water Storage Facilities - Missouri Department of Natural Resources "	5 year Inspection, Cleaning and Painting of Tank #1 and Tank #2 are not being performed as industry standards required. An additional budgetary cost of \$2,000 is anticipated for 2021.
PRV, Altitude and Air Release Valves	Control valves must operate correctly in order to protect other distribution system components and maintain desired flow during periods of peak demand.	Control valves should be check for proper operation at least quarterly. Rust or deposits which could restrict the full range of motion should be removed. Defective control valves should be repaired or replaced at the first sign of operational problems. Excessive pressures will exasperated water loss. Valves which do not open fully could restrict water flow during periods of peak demand. Air release valves must operate to prevent destruction of air locks and water hammers.	6 PRV's were installed in 2015. Additional inspection is required plus set aside amounts for eventual replacement. An additional budgetary cost of \$100 is anticipated for 2021.
Booster Pump Stations	Pumps and motors should be maintained in accordance with the <u>Operators Manual</u> . In general, the larger the pump the greater the consequence of failure.	In addition to the routine preventative maintenance outlined in the Owners Manual, this equipment should be set-up on a predictive monitoring schedule which may include activities such as Amp Readings, Pump Performance Tests, Vibration Analysis, Oil Analysis, Ultrasound and Thermography. The amount of monitoring performed should be weighed against replacement cost of the equipment. Expensive and critical assets without redundancy should be monitored rigorously. SCADA controls permit remote monitoring which improves labor efficiency. Operational data used to monitor pump station performance include: pump run times, start counts, flow meter records, supply voltage, individual phase amp readings, grounding system test, pump breakdown and utility bills.	The Indian Hills Subdivision Booster Station installed originally in 2008 and the 2 Each 30HP VFD Pumps installed in 2014 require quarterly PPM procedure of bearings greased and air pressure checked. Additional amount of \$100 is anticipated for 2021.
Backflow Prevention Devices	BPD are a required safety device necessary to protect public health.	Backflow prevention devices must be inspected and certified annually by a professional sensitive locations. While the utility can outsource these inspections it is ultimately their responsibility to insure that the device is operating properly. Therefore a paper trail must be established to show that required inspections were performed and any necessary repairs completed.	Owner's responsibility to maintain BPD. However certification training is required of City Personell. Additional amount of \$1,500 is anticipated for 2021.
Water Meters	Meters are the cash register for both water and sewer revenues. Operational problems will result in reduced sales.	Bulk sales and commercial meters should be tested and recalibrated regularly. Testing should be prioritized based upon meter size and usage. A small percentage error in meter accuracy could result in significant reduction in revenues. Residential sized meters are normally tested in response to customer complaints and unrealistically low water usage based historical usage patterns. Meter accuracy should be questioned whenever usage fails to fit with known household characteristics.	Meters have been periodically replaced in past years. However, a consistent plan for annual meter replacement has not occurred. Such plan is determined necessary at this time. Additional amount of \$40,866 is anticipated for 2021.

APPENDIX D

Drinking Water - Best Management Practices

Performance Monitoring

	<u>General Recommendation</u>	<u>Supplemental Information</u>	<u>Budgetary Cost</u>
New Metering Technologies	Meters are the cash register of your billing system. Accurate meter readings are critical to revenue generation necessary to pay for overall water system maintenance.	Radio read technology not only reduces the amount of labor required for meter reading it effectively eliminates data transfer errors between the meter and billing system and facilitates better data analysis by eliminating much of the time delay which makes water balance calculations so difficult. Coupling AMR with a water accounting tool will give a utility a substantial advantage in its bid to quantify and control apparent water losses.	At this time the current Radio Read technology utilized by the City of Ironton is sufficient. There are no plans to transfer to a different application. No additional budgetary amounts required.
Leak Location and Repair	Ongoing	The frequency at which new bursts and leaks occur depends upon the overall condition of the infrastructure and how well the pressure is managed.	On a bi-annual basis the City contracts with "Leak Seekers" in order to conduct listening devices on hydrants. \$6,000 bi-annually is expended on this process. No additional budgetary amounts required.
Flushing Water Mains	<u>Conventional flushing</u> increases chlorine residuals. Dead end lines must be flushed at monthly intervals. Other mains should be flushed as needed.	The amount of water in the main, and therefore the amount that must be flushed out, can be calculated by simple pipe volume formulas. The pressure in the system should never be allowed to drop below 20 psi. Samples of water should be tested for chlorine residual to provide evidence of the effectiveness of the flush. Water quality complaints should be monitored geographically. All municipalities should use some type of data management system to track these water quality complaints to optimize their flushing program.	Twice Per Year Directional Flushing occurs as directed and conducted by the Ironton City Fire Department. No additional budgetary amounts required.
	Uni-directional flushing removes accumulated settlements and improves water delivery. All water lines should be cleaned annually.	Unit-directional flushing, which isolates pipe sections or loops in an organized, sequential manner, typically from source to periphery. Flow velocities should reach 1.5 to 2.0 m/s. The goal is to remove as much dirt and settlement as possible by moving water through the pipe at a high velocity. While more costly and time consuming than conventional flushing, unit-directional flushing is more effective and uses less water.	N/A (See Above)
Pressure Management	Pressure is an important component to pipe design and material selection. A well-controlled system operated below design limits will lead to extended pipe life. <u>Average supply pressure is 77 psi with pressure fluctuations less than 20 pounds per square inch.</u>	Pressure management can be defined as the "practice of managing distribution system network pressures to the optimum level of service while ensuring sufficient and efficient supply to legitimate users." Water leakage is driven by pressure. Any efforts which result in reduction in water pressure for even part of the day will reduce leakage. In addition, maximum pressure has a considerable influence on the frequency of new leaks. Pressure surges are particularly damaging. Higher new leak frequency have been observed in parts of the distribution system with direct pumping when compared to sections supplied by gravity. Hydraulic modeling is necessary to determine if customer needs can be provided at lower pipeline pressures.	The vast majority of the City of Ironton maintain pressure within a range of 50-55 PSI. Areas of lower elevation from the Tank(s) experience natural PSI of upwards to 110 PSI. Pressure reducers owned and operated by the meter connection owners are installed in such locations. No Additional Budgetary Funds are anticipated at this time.
Corrosion Control		See AWWA Corrosion Control for Buried Water Mains Pocket Field Guide	N/A

APPENDIX D

Drinking Water - Best Management Practices

Performance Monitoring

	<u>General Recommendation</u>	<u>Supplemental Information</u>	<u>Budgetary Cost</u>
Fencing and Security	Fencing around reservoirs and other infrastructure should be inspected annually along with other security equipment and/or infrastructure.		Fencing is around the Plant and the Tank. Clearwell is secured with hatches and locks. No additional budgetary funds are anticipated at this time.
Water Main Renovation		See AWWA M28 - Rehabilitation of Water Mains	N/A

APPENDIX D

Operating Ratio's

Financial Requirements

Goal is to have an operating ratio lower than 1.0.

Operating Ratio

Take total expenses/revenues.

Revenues		Operating Expenses		Debt Service (Principal + Interest)		Capital Improvement Reserve Expenses		Operating Ratio	
2016	\$ 2,166,242	2016	\$ 1,544,154	2016	\$ 318,593	2016	\$ 215,374	2016	0.96
2017	\$ 2,096,333	2017	\$ 1,663,208	2017	\$ 318,597	2017	\$ 214,393	2017	1.05
2018	\$ 2,072,205	2018	\$ 2,021,805	2018	-	2018	\$ 339,236	2018	1.14
2019	\$ 2,153,985	2019	\$ 1,845,011	2019	-	2019	\$ 225,461	2019	0.96
2020	\$ 2,186,071	2020	\$ 1,861,411	2020	-	2020	\$ 244,934	2020	0.96

Additional Years Can Be Inserted Here

APPENDIX E

System Contacts

Utility Internal Contacts:	Name	Phone	Email	Current Address
Owner	City of Ironton			
Mayor, CEO, City of Ironton	Sam Cramblit	740-532-3833	irononmayor@ironon-ohio.com	301 S. 3rd St. Ironton, OH 45638
Director of Puplic Works and Services	Brett Thomas	740-532-3121	publicservicedir@ironon-ohio.com	301 S. 3rd St. Ironton, OH 45638
Chief Water Plant Operator	Ryan Watts	740-532-3412	irononwater@gmail.com	301 S. 3rd St. Ironton, OH 45638

APPENDIX E

External Contacts and Professional Resources

Ohio EPA Southeast District Office: The City of Ironton receives technical advice and guidance from the Southeast District Office of Ohio EPA's Division of Drinking & Ground Water. The address and telephone number for the Southeast District Office is as follows:

Ohio EPA Southeast District Office:
2195 East Logan Street
Logan, OH 43138
Telephone: 740-385-8501

Ohio Rural Community Assistance Program: The City receives technical assistance from Ohio Rural Community Assistance Program. Assistance is provided in the areas of management and financial expertise. Ohio-RCAP also is a source of networking opportunities. The City is actively seeking membership within the GIS Cooperative which houses their maps and inventory. Contact at Ohio-RCAP: Laura Schuch, State Coordinator, 330-389-1612 or lmschuch@glcap.org. The City currently utilizes IBI Group as their Civil Engineering Consultant.

Ohio Rural Water Association: Ohio Rural Water Association, 975 Linden Avenue, Zanesville, Ohio 43701, Telephone 800-589-7985: Source of technical information and advice for the Village. ORWA works with small communities and rural water districts through out the state of Ohio to assist with technical concerns.

American Water Works Association: The AWWA is an international nonprofit scientific and educational society dedicated to the improvement of drinking water quality and supply. AWWA as a source of technical information for their drinking water treatment plant and distribution system. AWWA also provides networking opportunities for the Village. AWWA's mission "The AWWA is dedicated to the promotion of public health and welfare in the provision of drinking water of unquestionable quality and sufficient quantity. AWWA must be proactive and effective in advancing the technology, science, management, and government policies relative to the stewardship of water." AWWA, 6666 West Quincy Avenue, Denver, CO, Phone 303-794-7711, Fax 303-795-1989

Operator Training Committee of Ohio, Inc.: Ironton has access to technical assistance from OTCO in running their water system. OTCO provides training for certification purposes on various topics associated with drinking water systems.

OTCO's Mission statement is as follows; "The primary focus of the Operator Training Committee of Ohio is to design, develop, and deliver various types of training programs for individuals in water and wastewater utility occupations in business, industry, and government."

The Operator Training Committee of Ohio, Inc. (OTCO) was incorporated in 1964 to offer training opportunities to all levels of water and wastewater utility personnel. In 1983, OTCO became the State of Ohio's Environmental Training Center under Section 109 (b) (3) of the Clean Water Act.

Contacts at OTCO are as follows:

Curtis L. Truss, Executive Director
Operator Training Committee of Ohio
3972 Indianola Avenue
Columbus, Ohio 43214-3158

Consulting Engineer: The City of Ironton currently utilizes IBI Group Inc. as their consulting Engineering Firm.

APPENDIX F

Rules and Regulations

Internal Policies

- Contracting and Purchasing Policies for Routine and Emergencies
Up to \$5,000 Without Mayor, Governing Board Approval
- Use of System Equipment

Customer Use Rules and Regulations

- | | | |
|-------------------------------------|---|--|
| <input checked="" type="checkbox"/> | Mandatory Connection: | Guidelines for inspection provided in Section 8 or Ordinance 19.09. |
| <input checked="" type="checkbox"/> | Service Line Installation: | Guidelines for inspection provided in Section 8 or Ordinance 19.09. |
| <input checked="" type="checkbox"/> | Service Line Inspections: | Guidelines for inspection provided in Section 8 or Ordinance 19.09. |
| <input type="checkbox"/> | Private Property Owners Responsibilities to Keep Service Lines in Proper Working Order: | |
| <input checked="" type="checkbox"/> | Metering Requirements: | Guidelines for inspection provided in Section 8 or Ordinance 19.09. |
| <input checked="" type="checkbox"/> | Enforcement & Penalties: | Defined Clearly in Sections 4.1 of Ordinance 19.09. |
| <input checked="" type="checkbox"/> | New Development: | New Residential and Rental/Tennant guidelines are provided at the beginning of 19.09 |
| <input checked="" type="checkbox"/> | | Further guidelines on service line construction, placement and procedures are given in Section 8 Service and Supply. |
| <input checked="" type="checkbox"/> | Backflow and Cross Connection: | Defined Clearly in Section 10.1 to 10.9 in Ordinance 19.09 |
| <input type="checkbox"/> | Billing & Back-up Billing Systems: | |
| <input checked="" type="checkbox"/> | Delinquency Procedures: | Defined Clearly in Sections 4 and 7 in Ordinance 19.09 |
| <input checked="" type="checkbox"/> | Service Shut-off/Reconnect Policies: | Defined Clearly in Section 2 and 2.1 and 9.4 in Ordinance 19.09 |
| <input checked="" type="checkbox"/> | Service Connection Charges: | Defined Clearly in Section 2.2 in Ordinance 19.09 |
| <input type="checkbox"/> | Customer Compliant Policy: | |

APPENDIX G

System Background

System Description:

		<i>Unit</i>
System Population	10,635	
Number of Connections - 2020 Average	4,340	
# Residential	4,000	
# Commercial	340	
Average Daily Flow - 2020	1.30	MGD
Peak Flow - 2020	2.17	MGD
WTP / Well Daily Capacity	3.23	MGD
Plant Utilization (percent)	67.18%	%
Interconnection(s) -	Hecla Water/Coal Grove	2
Storage Capacity	3 million Gal.	MG

		<i>Unit</i>
Source (Ground or Surface)	Surface	
Water Rate for 7,756 gal. usage	\$47.58	
Combined Rates for 7,756 usage	\$59.43	
MHI (Median Household Income) - ACS 2020	\$49,228	
Combined Rates 4,500/% of MHI	1.55%	
Are all connections metered?	No	

The following connections are currently non metered: Municipal Building, Water Plant, Sewer Plant, Spray Park, Horse Park, Little League Fields, Community Service Building, Street Department Building

APPENDIX I

MATRIX AND METHODOLOGY FOR ASSESSING CRITICALITY

PROBABILITY OF FAILURE LEVELS/CONDITION

Description	Performance Rating	Failure of Individual Items	Type of Failure	Ironton Installation Age
Occurring	Broken	6	Inoperable	Failure in Process
Imminent	Very Poor	5	Likely to occur in the life of the item.	Continuously experienced Prior to 1910
Probable	Poor	4	Will occur several times in the life of the item.	Will occur frequently Between 1910 and 1940
Occasional	Fair	3	Likely to occur sometime in the life of the item.	Will occur a few times Between 1940 and 1990
Remote	Good	2	Unlikely but possible to occur in the life of the item.	Unlikely but can be reasonably be expected to occur Between 1990 and 2010
Improbable	Excellent	1	So unlikely, it can be assumed occurrence may not be experienced.	Unlikely to occur, but possible 2010 to Present

CONSEQUENCE OF FAILURE

Description	Level	
Epic	6	Extended outages – (many weeks or maybe months). Repair impossible. Reconstruction necessary)
Catastrophic Disruption	5	Massive system failure, severe health affect, persistent and extensive damage.
Major Disruption	4	Major effect, major loss of system capacity, major health effects, major costs, important LOS compromised.
Moderate Disruption	3	Moderate effect, moderate loss of system capacity, moderate health effects, moderate costs, important LOS still achieved.
Minor Disruption	2	Minor effect, minor loss of system capacity, minor health effects, minor costs.
Insignificant Disruption	1	Slight effect, slight loss of system capacity, slight health effects.

ASSESSING CRITICALITY/RISK

Example of Rating and Total Score for Ironton Assets (SEE "APPENDIX K" INVENTORY FOR FULL RATING)

IRONTON ASSET	ASSET CONDITION DESCRIPTION	PROBABILITY OF FAILURE SCORE	PROBABILITY OF FAILURE SCORE	TOTAL
Production Well #1	Well Pump #1	3	4	12
Water Storage Tank #1	2 million gallon tank	2	4	8

APPENDIX J

Standard Operating Practices (SOPs)

X	Plant Start Up
X	Measuring Day Tank
X	Sampling
X	Valve Exercising
X	Flushing
X	Hydrants Inspections
X	Chemical Feeds
X	Gallons/Hours Plan is Operated Per Day
X	Pressure & Chlorine Residual Monitoring
	Component Mapping
X	Backwashing
	Control Procedures

APPENDIX J

Maintenance Strategies

Asset	Maintenance
Source	Professional Inspection and Cleaning
Electrical	N/A
Treatment	Varies by component. See Appendix A
Storage	Professional Inspection, Cleaning and Painting Program to be initiated by AMP Savings set asides starting in 2021. See Appendix L PMP
Distribution	Directional Flushing accomplished by City Fire Department
Hydrants	Inspection accomplished by City Fire Department
Valves	A complete Valve Exercising Plan was developed for the City of Ironton Water Works as associated with this Asset Management Plan. See Attachment Appendix J for Plan and Map.
Meters	Meters are inspected annually by City staff. Currently 40 to 50 Meters per year are replaced with current technology.
Auxiliary Power	N/A

Time Period
Every 5 Years for Each Well rotational basis;
N/A
Daily, weekly, monthly, annually and periodically. See maintenance logs.
Every 5 years for Each Tank rotational basis;
Annual
Annual
Annual
Annual
N/A

CITY OF IRONTON INVENTORY FOR ASSET MANAGEMENT PLAN (REVISED/UPDATED -FEBURARY 2021)

APPENDIX K

Equipment/Component	Quantity Unit of Measurement	Year Installed OR Major Rehab	Expected Useful Life in Years	Projected Last Year of Service	Current Year	Useful Life Years Remaining	Replacement Cost	Funding Accounts		TOTAL REPLACEMENT COST	Probability of Failure	Consequence of Failure	Criticality Total Score	COMMENTS
								Capital	O&M&R					
Treatment & Supply														
Water Treatment Plant (WTP) & Supply														
Production Well #1 (4 MGD)	1	2009	50	2059	2021	38	\$65,000	x	x	\$65,000	3	4	12	
Production Well #2 (4 MGD)	1	2009	50	2059	2021	38	\$65,000	x	x	\$65,000	3	4	12	
Production Well #3 (2 MGD)	1	2009	50	2059	2021	38	\$65,000	x	x	\$65,000	3	4	12	
Treatment Plant	1	1993	50	2043	2021	22	\$1,285,000	x	x	\$2,480,000	2	6	12	
Subtotal										\$2,675,000.00				
Distribution & Storage														
Storage														
Water Storage Tank #1 (2 Million Gallons)	1	1994	40	2034	2021	13	\$2,000,000	x	x	\$2,000,000	2	4	8	
Water Storage Tank #2 (1 Million Gallons)	1	1930	40	1970	2021	-51	\$1,000,000	x	x	\$1,000,000	4	4	16	
Subtotal										\$3,000,000.00				
Booster Station(s)														
Indian Hills Subdivision Booster Station	1	2008	15	2023	2021	2	\$75,000	x	x	\$75,000	2	4	8	
Subtotal										\$75,000.00				
Main Control Valves														
Control Valves	563	1920	25	1945	2021	-76	\$1,200		x	\$675,600	4	2	8	
Total Control Valves										\$675,600.00				
Meters														
5/8 inch Meters	4,690	2015	10	2025	2021	4	\$400		x	\$1,876,000	3	3	9	
1 inch Meters	164	2010	10	2020	2021	-1	\$500		x	\$82,000	3	3	9	
1 1/2 inch Meters	8	2010	10	2020	2021	-1	\$600		x	\$4,800	3	3	9	
2 inch Meters	89	2010	10	2020	2021	-1	\$700		x	\$62,300	3	3	9	
3 inch Meters	3	2010	10	2020	2021	-1	\$800		x	\$2,400	3	3	9	
4 inch Meters	13	2010	10	2020	2021	-1	\$900		x	\$11,700	3	3	9	
6 inch Meters	3	2010	10	2020	2021	-1	\$1,000		x	\$3,000	3	3	9	
8 inch Meters	1	2010	10	2020	2021	-1	\$1,100		x	\$1,100	3	3	9	
Total Control Valves										\$2,043,300.00				
Hydrants														
Hydrant Darling Model	171	1900	50	1950	2021	-71	\$1,500		x	\$256,500	3	4	12	
Hydrant Darling Model	68	1961	50	2011	2021	-10	\$1,500		x	\$102,000	3	4	12	
Hydrant Darling Model	45	1990	50	2040	2021	19	\$1,500		x	\$67,500	3	4	12	
Hydrant Darling Model	14	2000	50	2050	2021	29	\$1,500		x	\$21,000	3	4	12	
Total Hydrants										\$447,000.00				
Water Main Lines														
Water Main Line Various sizes and material	348,347	1920	100	2020	2021	-1	\$125		x	\$43,543,375	5	4	20	
Subtotal										\$43,543,375.00				
Vehicles & Equipment														
Utility Trucks & Equipment														
Backhoe Case 408		2005	20	2025	2021	4	\$80,000		x	\$80,000	2	4	8	
Trackhoe Cat 305		2019	20	2039	2021	18	\$60,000		x	\$60,000	1	4	4	
Utility Truck #1		2004	15	2019	2021	-2	\$25,000		x	\$25,000	2	2	4	
Utility Truck #2		2005	15	2020	2021	-1	\$25,000		x	\$25,000	2	2	4	
Utility Truck #3		1995	15	2010	2021	-11	\$25,000		x	\$25,000	4	2	8	
Utility Truck #4		1986	15	2001	2021	-20	\$25,000		x	\$25,000	5	2	10	
Utility Truck #5		2004	15	2019	2021	-2	\$35,000		x	\$35,000	2	2	4	
Dump Truck 10 ton		1993	20	2013	2021	-8	\$60,000		x	\$60,000	4	3	12	
Dump Truck 1 ton		2011	20	2031	2021	10	\$35,000		x	\$35,000	2	3	6	
Supervisor Truck		2021	10	2031	2021	10	\$25,000		x	\$25,000	2	2	4	
Valve Turning Machine Trailer		2006	20	2026	2021	5	\$40,000		x	\$40,000	2	4	8	
Water Plant Truck		2021	10	2031	2021	10	\$25,000		x	\$25,000	2	2	4	
6 inch Trash Pump		1985	25	2010	2021	-11	\$30,000		x	\$30,000	4	2	8	
Subtotal										\$490,000.00				

\$52,849,275.00
Ironton Total Asset Replacement

APPENDIX L

Additional Identified: Predictive Maintenance Procedure & required Additional Budgetary Costs as Associated with Appendix D

<u>Item</u>	<u>Description</u>	<u>Total Cost</u>	<u>When (yrs.)</u>	<u>Estimated Annual Cost</u>
GIS Cooperative Membership Maintenance Software				
Coop Annual Membership Fee with OH RCAP <i>(Water Portion)</i>	Coop Membership with Ohio RCAP for GIS System	\$6,888	1	\$6,888
Hand Held Tablets and other Hardware	Tablets for Ironton Water Works Crew Location and Editing of GIS System.	\$3,500	1	\$3,500
Internet Service and Hot Spot Fees	Internet Access for Tablets and other City Hardware	\$2,500	1	\$2,500
Water Audit Annual Basis				
Meter Installation for all unmetered connections for efficient water audit standards.	Locations: City Building, Water Plant, Sewer Plant, Spray Park, Horse Park, Little League and Community Service Bldg.	\$8,000	1	\$8,000
Water Audit as per American Water Works Assoc. Standards	AWWA Complete Water Audit to determine true non- revenue water/water lost	\$5,000	1	\$5,000
Valve Exercising Plan Expanded				
Preperation of Valve Exercsing Plan Map and Procedure	Provided In AMP Contract	\$0	1	\$0
Hire of 1 additional full time employee to Water Works Staff for Valve Exercising Plan	Annual Salary, PERS, Medical Insurance and other full time City benefits.	\$80,000	1	\$80,000
PRV Valve Inspection				
Inspection and PPM of PRV Valves 6 Each	PSI Test	\$100	1	\$100
Booster Pumps				
Grease application to bearings and air pressure test	Bearing Pull and Lubrication	\$100	1	\$100
Storage Tanks				
Inspection/Cleaning/Painting	Contracted Certified Inspection, cleaning and Painting	\$10,000	5	\$2,000
Backflow Prevention Device Certification Process				
Training and Certification of Staff	Certification as per OEPA standard on Backflow Prevention Valves	\$1,500	1	\$1,500
Total Additional Predictive Maintenance Target		\$117,588		\$109,588

Prevetative Maintenance Program Annual Target Breakdown

<u>Item</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>	<u>2025</u>
Coop Annual Membership Fee with Ohio RCAP for GIS (Water Dept. Portion)	\$0	\$6,888	\$6,888	\$6,888	\$6,888
Hand Held Tablets and Other Hardware	\$3,500	\$0	\$0	\$0	\$0
Internet Service and Hot Spots	\$2,500	\$2,500	\$2,500	\$2,500	\$2,500
Meter Installation of all Unmetered Connections for efficient water audit	\$8,000	\$0	\$0	\$0	\$0
Water Audit per AWWA Standards	\$5,000	\$0	\$0	\$0	\$0
Additional Staff per proposed Valve Exercising Plan: Salary & Benefits	\$0	\$80,000	\$80,000	\$80,000	\$80,000
Inspection and Maintenance of PRV's	\$100	\$100	\$100	\$100	\$100
Inspection and Maintenance to Booster Pump	\$100	\$100	\$100	\$100	\$100
Inspection/Cleaning/Painting of Water Storage Tanks	\$2,000	\$2,000	\$2,000	\$2,000	\$2,000
Backflow Prevention Certification to Staff	\$1,500	\$0	\$0	\$0	\$0
TOTAL ANNUAL AMOUNT REQUIRED	\$22,700	\$91,588	\$91,588	\$91,588	\$91,588

APPENDIX L

Annual Saving Targets for Shorter Lived Asset Replacement

<u>Item</u>	<u>Qty.</u>	<u>Description</u>	<u>Total Cost</u>	<u>When (yrs.)</u>	<u>Estimated Annual Costs</u>
Treatment Plant					
Filter Media	8	Filtration	\$12,000	15	\$800
Filter Valve	32	Filter flow isolation	\$1,000	25	\$40
Filter Valve Actuators	32	Filter flow isolation	\$10,000	25	\$400
High Lift Pumps	4	Finished Water	\$25,000	15	\$1,667
Chemical Feed Systems	1	Carbon Feed	\$100,000	50	\$2,000
Building and Structure	1	Roof/Walls/Foundation/AC & Heat	\$350,000	50	\$7,000
Subtotal					\$11,907
Well Pumps					
Well Pump #1	1	Low Lift Pumps	\$25,000	15	\$1,667
Well Pump #2	1	Low Lift Pumps	\$25,000	15	\$1,667
Well Pump #3	1	Low Lift Pumps	\$25,000	15	\$1,667
Subtotal					\$5,000
Booster Station Pumps Indian Hill Subdivision					
Pump #1	1	30 HP VFD Pump	\$25,000	15	\$1,667
Pump #2	1	30 HP VFD Pump	\$25,000	15	\$1,667
Subtotal					\$3,333
Pressure Release Valves (Replacement Cost=\$1,000 Each)					
Pressure Release Valve #1	1	N/A	\$1,000	10	\$100
Pressure Release Valve #2	2	N/A	\$1,000	10	\$100
Pressure Release Valve #3	3	N/A	\$1,000	10	\$100
Pressure Release Valve #4	4	N/A	\$1,000	10	\$100
Pressure Release Valve #5	5	N/A	\$1,000	10	\$100
Pressure Release Valve #6	6	N/A	\$1,000	10	\$100
Subtotal					\$600
Control Valves (Replacement Cost=\$1,200 Each)					
Flush Hydrant	1	N/A	\$1,200	50	\$24
By Pass Valve	1	N/A	\$1,200	50	\$24
Pressure Valve	1	N/A	\$1,200	50	\$24
Standard System Valves	560	N/A	\$672,000	50	\$13,440
Subtotal					\$13,512
Meters (Meter Replacement Cost=\$400 Each and Up)					
5/8 inch Meters	4690	N/A	\$1,876,000	50	\$37,520
1 inch Meters	164	N/A	\$82,000	50	\$1,640
1 1/2 inch Meters	8	N/A	\$4,800	50	\$96
2 inch Meters	89	N/A	\$62,300	50	\$1,246
3 inch Meters	3	N/A	\$2,400	50	\$48
4 inch Meters	13	N/A	\$11,700	50	\$234
6 inch Meters	3	N/A	\$3,000	50	\$60
8 inch Meters	1	N/A	\$1,100	50	\$22
Subtotal					\$40,866
Hydrants (Replacement Cost=\$1,500 Each)					
Hydrant	171	Darling Brand Fire Hydrant	\$256,500	10	\$25,650
Hydrant	68	Darling Brand Fire Hydrant	\$102,000	20	\$5,100
Hydrant	45	Darling Brand Fire Hydrant	\$67,500	30	\$2,250
Hydrant	14	Darling Brand Fire Hydrant	\$21,000	40	\$525
Subtotal					\$33,525

Vehicle and Equipment Replacement					
Backhoe Case 408	1	Excavation and Repair	\$80,000	15	\$5,333
Trackhoe Cat 305	1	Excavation and Repair	\$60,000	15	\$4,000
Utility Truck #1	1	Tool and Manpower Transport	\$25,000	15	\$1,667
Utility Truck #2	1	Tool and Manpower Transport	\$25,000	15	\$1,667
Utility Truck #3	1	Tool and Manpower Transport	\$25,000	15	\$1,667
Utility Truck #4	1	Tool and Manpower Transport	\$25,000	15	\$1,667
Utility Truck #5	1	Tool and Manpower Transport	\$35,000	15	\$2,333
Dump Truck 10 ton	1	Material transport, install disposal	\$60,000	15	\$4,000
Dump Truck 1 ton	1	Material transport, install disposal	\$35,000	15	\$2,333
Supervisor Truck	1	Utilities Director Truck	\$25,000	15	\$1,667
Valve Turning Machine Trailer	1	Pnuematic Valve Turning	\$40,000	15	\$2,667
Water Plant Truck	1	Lead Plant Operator Truck	\$25,000	15	\$1,667
6 inch Trash Pump	1	Water disposal	\$30,000	15	\$2,000
		Subtotal			\$32,667
Total SLA Replacement					\$141,410

Short Lived Asset Set Aside Annual Target Breakdown

Item	2021	2022	2023	2024	2025
Treatment Plant Short Lived Assets	\$11,907	\$11,907	\$11,907	\$11,907	\$11,907
Well Pumps	\$0	\$5,000	\$5,000	\$5,000	\$5,000
Booster Station Pumps	\$0	\$0	\$3,333	\$3,333	\$3,333
Pressure Release Valves	\$600	\$600	\$600	\$600	\$600
Control Valves	\$13,512	\$13,512	\$13,512	\$13,512	\$13,512
Meters	\$0	\$0	\$0	\$40,866	\$40,866
Hydrants	\$0	\$0	\$0	\$0	\$33,525
Vehicle and Equipment Replacement	\$0	\$32,667	\$32,667	\$32,667	\$32,667
TOTAL ANNUAL AMOUNT REQUIRED	\$26,019	\$63,685	\$67,019	\$107,885	\$141,410

APPENDIX L

Estimated Replacement Reserve

Source	Description	Capital Replacement Reserve
Production Well #1		65,000
Production Well #2		65,000
Production Well #3		65,000
Subtotal		\$195,000
Treatment Plant		
Presettling Basin Troughs Fiberglass (replace with SS)		100,000
Presettling Basin Tube Supported Steel		100,000
Rapid Mix Weirs and Sluce Gate Valves		10,000
Clarifier sub support structure		400,000
Filter Media		30,000
High Lift Pumps		1,000,000
Chemical Feed Systems		100,000
Building and Structure		350,000
Heat and AC		25,000
Electrical Controls		65,000
Piping and Misc. Equipment		300,000
Subtotal		\$2,480,000
Storage		
Water Storage Tank #1 2 Million Gallon		2,000,000
Water Storage Tank #2 1 Million Gallon		1,000,000
Subtotal		\$3,000,000
Booster Station		
Indian Hill Subdivision Booster Station		\$75,000
Subtotal		\$75,000
Distribution		
348,347 linear feet of Water Main		
Subtotal		\$43,543,375
Total Estimated Replacement Costs		\$49,293,375
Annual Escrow 20% over 50 years		\$197,174

\$4,300,000 Loan, 30 year term, 2%

\$192,000 Annual Loan Payment

APPENDIX M
Capital Projects Plan

Project Name/Description	Funding	Total Project Cost	Ten Year Effort (Dollar amount in 10 year effort reflects projected annual loan payment(s) NOT total project cost)									
			2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
3rd and 5th Street Waterline Replacement	OEPA/OWDA/OPWC	\$2,774,190	\$0	\$44,000	\$86,000	\$86,000	\$86,000	\$86,000	\$86,000	\$86,000	\$86,000	\$86,000
Water Treatment Plant Rehabilitation	OEPA/OWDA/OPWC	\$2,000,000	\$0	\$0	\$0	\$60,000	\$57,000	\$57,000	\$57,000	\$57,000	\$57,000	\$57,000
Water Storage Tank #2 Replacement	OEPA/OWDA/OPWC	\$1,000,000	\$0	\$0	\$0	\$0	\$0	\$0	\$44,489	\$44,489	\$44,489	\$44,489
Emergency Power Generator for WTP	Water Fund	\$300,000	\$13,000	\$13,000	\$13,000	\$13,000	\$13,000	\$13,000	\$13,000	\$13,000	\$13,000	\$13,000
TOTAL		\$5,774,190	\$0	\$57,000	\$99,000	\$159,000	\$156,000	\$156,000	\$200,489	\$200,489	\$200,489	\$200,489

APPENDIX M	
Potential Financing for Capital Projects	
Community Name	Ironton City
Project Name	3rd Street 5th Street Wasteline Repl
Date	1-Feb-21
Scenario	OEPA/OPWC
Total Project Cost	\$ -
Financing - Grants	
USDA-RD	\$ -
OPWC	\$ 200,000
OPWC Credit Enhancement	\$ -
OWDA	\$ -
Ohio EPA Principle Forgiveness	\$ 550,000
RPIG (CDRG)	\$ -
ARC	\$ -
Local	\$ -
Total Grant Financing	\$ 750,000
Financing - Loans (Interest Rates and Terms Based on Eligibility)	
USDA-RD	40 2.50%
OPWC	30 0.00%
OWDA	\$ 0.00%
Ohio EPA	30 2.00%
Ohio EPA	30 0.00%
Private	10 5.25%
Total Loan Financing	\$ 2,024,190
Total Financing	\$ 2,774,190
Annual Loan Payments	
USDA-RD	\$ -
OPWC	\$ -
OWDA	\$ 44,000
Ohio EPA	\$ 80,266
Ohio EPA	\$ -
Private	\$ -
Total Annual Debt	\$ 124,266
Annual Reserve	
USDA-RD	\$ -
Other	\$ -
Total Annual Reserve	\$ -
Annual Operation, Maintenance, and Repair	
Current	\$ -
Additional	\$ -
Total Annual O&M	\$ -
Annual Costs	
Total Annual Costs	\$ 124,266
Number of Customers	
Total Customers	4700
Average Increase per Month	2.90
Debt Repayment	
USDA-RD	\$ -
OPWC	\$ -
OWDA	\$ 220,000
Ohio EPA	\$ 2,407,993
Ohio EPA	\$ -
Private	\$ -
Total Debt Repayment	\$ 2,627,993

APPENDIX M	
Potential Financing for Capital Projects	
Community Name	Ironton City
Project Name	Water Treatment Plant Rehabilitation
Date	1-Feb-21
Scenario	OEPA/OPWC
Total Project Cost	\$ -
Financing - Grants	
USDA-RD	\$ -
OPWC	\$ 200,000
OPWC Credit Enhancement	\$ -
OWDA	\$ -
OEPA Principle Forgiveness	\$ 400,000
RPIG (CDRG)	\$ -
ARC	\$ -
Local	\$ -
Total Grant Financing	\$ 600,000
Financing - Loans (Interest Rates and Terms Based on Eligibility)	
USDA-RD	40 2.50%
OPWC	30 0.00%
OWDA	\$ 0.00%
Ohio EPA	30 2.00%
Ohio EPA	30 0.00%
Private	10 5.25%
Total Loan Financing	\$ 1,400,000
Total Financing	\$ 2,000,000
Annual Loan Payments	
USDA-RD	\$ -
OPWC	\$ -
OWDA	\$ 60,000
Ohio EPA	\$ 48,938
Ohio EPA	\$ -
Private	\$ -
Total Annual Debt	\$ 108,938
Annual Reserve	
USDA-RD	\$ -
Other	\$ -
Total Annual Reserve	\$ -
Annual Operation, Maintenance, and Repair	
Current	\$ -
Additional	\$ -
Total Annual O&M	\$ -
Annual Costs	
Total Annual Costs	\$ 108,938
Number of Customers	
Total Customers	4700
Average Increase per Month	1.63
Debt Repayment	
USDA-RD	\$ -
OPWC	\$ -
OWDA	\$ 200,000
Ohio EPA	\$ 1,468,134
Ohio EPA	\$ -
Private	\$ -
Total Debt Repayment	\$ 1,768,134

APPENDIX M	
Potential Financing for Capital Projects	
Community Name	Ironton City
Project Name	Water Storage Tank #2 Replacement
Date	1-Feb-21
Scenario	OEPA/OPWC
Total Project Cost	\$ -
Financing - Grants	
USDA-RD	\$ -
OPWC	\$ 200,000
OPWC Credit Enhancement	\$ -
OWDA	\$ -
OEPA Principle Forgiveness	\$ -
RPIG (CDRG)	\$ -
ARC	\$ -
Local	\$ -
Total Grant Financing	\$ 200,000
Financing - Loans (Interest Rates and Terms Based on Eligibility)	
USDA-RD	40 2.50%
OPWC	30 0.00%
OWDA	\$ 0.00%
Ohio EPA	30 2.00%
Ohio EPA	30 0.00%
Private	10 5.25%
Total Loan Financing	\$ 1,000,000
Total Financing	\$ 1,200,000
Annual Loan Payments	
USDA-RD	\$ -
OPWC	\$ -
OWDA	\$ -
Ohio EPA	\$ 44,489
Ohio EPA	\$ -
Private	\$ -
Total Annual Debt	\$ 44,489
Annual Reserve	
USDA-RD	\$ -
Other	\$ -
Total Annual Reserve	\$ -
Annual Operation, Maintenance, and Repair	
Current	\$ -
Additional	\$ -
Total Annual O&M	\$ -
Annual Costs	
Total Annual Costs	\$ 44,489
Number of Customers	
Total Customers	4700
Average Increase per Month	6.78
Debt Repayment	
USDA-RD	\$ -
OPWC	\$ -
OWDA	\$ -
Ohio EPA	\$ 1,334,667
Ohio EPA	\$ -
Private	\$ -
Total Debt Repayment	\$ 1,334,667

**City of Ironton
Water Fund - 39**

	2016	2017	2018
Total Customers			
Total Gallons Sold			
Rate of Charge (Per 1,000 Gal.)			
Administration Fee			
Median Household Income			

Charge to Typical 4,500 GPM Customer

Affordability Index Percentage

Water Equipment Replacement Fund 71

Cash Total

Annual Encumbered Expenditure

Unencumbered Balance

	2016	2017	2018
WATER FUND			
39-00-0-0000-1000 WATER FUND	153,428.75	316,926.30	217,060.92
39-00-0-0000-1010 WATER FUND	168,800.67	93,423.61	93,423.61
TOTAL CASH	322,229.42	410,349.91	310,484.53
39-00-5-0020-0111 STATE GRANT	-	-	-
39-00-5-0020-0117 PROCEEDS FROM FEMA	-	-	-
39-00-5-0020-0154 PREMIUM REFUND-BWC	-	-	23,118.82
39-00-5-0070-0024 REIMBURSEMENTS	10,702.14	11,798.25	13,725.21
39-00-5-0070-0154 PREMIUM REFUND-BWC	1,434.89	25,147.29	530.83
39-00-6-0060-0069 TRANSFER FROM WTPERF	-	-	-
39-00-7-0090-0038 FEE	129,997.21	130,839.93	130,278.69
39-00-7-0090-0039 NEW SERVICE	12,650.00	9,569.11	3,000.00
39-00-7-0090-0041 SALE OF WATER	1,954,574.51	1,862,582.04	1,839,611.38
39-00-7-0090-0073 HAULING WATER	-	-	-
39-00-7-0090-0151 DEPOSITS ON ACCOUNT	33,700.00	33,400.00	32,100.00

**City of Ironton
Water Fund - 39**

	2016	2017	2018
39-00-7-0090-0401 OFF / ON	13,550.00	15,950.05	21,025.00
39-00-8-0100-0019 BOND PROCEEDS	-	-	-
39-00-8-0100-0026 SALE OF ASSETS	-	-	-
39-00-8-0100-0066 MISC.	9,062.93	6,856.67	8,249.71
39-00-9-0080-0012 INTEREST ON INVESTMENTS	570.33	189.83	565.42
39-00-9-0099-0082 ADVANCE FROM GENERAL FUND	-	-	-
TOTAL REVENUE	2,166,242.01	2,096,333.17	2,072,205.06

**City of Ironton
Water Fund - 39**

	2016	2017	2018
CASH BALANCE & RECEIPTS	2,488,471.43	2,506,683.08	2,382,689.59
39-16-5-0010-0001 SALARIES	90,688.52	109,529.42	115,340.00
39-16-5-0010-0002 OVERTIME PAY	3,946.80	5,720.59	6,376.77
39-16-5-0010-0004 MEDICARE - EMPLOYER SHARE	1,346.81	1,639.53	1,739.18
39-16-5-0010-0005 RETIREMENT - EMPLOYER SHARE	12,641.55	15,561.82	16,748.29
39-16-5-0010-0006 HOSPITALIZATION	20,924.94	25,162.83	38,525.51
39-16-5-0010-0008 WORKERS COMPENSATION	1,987.14	1,917.55	2,730.85
39-16-5-0010-0020 CLOTHING ALLOWANCE	-	-	500.00
39-16-5-0020-0014 OFFICE SUPPLIES	11,435.26	9,865.97	12,884.24
39-16-5-0030-0016 CAPITAL IMPROVEMENTS	-	4,393.98	1,753.18
39-16-5-0040-0013 INSURANCE	1,194.00	1,227.00	1,219.00
39-16-5-0050-0011 UTILITIES	3,946.52	3,820.05	5,062.64
39-16-5-0050-0012 MAINTENANCE	2,569.75	2,720.40	2,330.01
39-16-5-0060-0032 RETIREMENT OF INDEBTEDNESS	2,036.29	2,039.18	-
39-16-5-0099-0007 UNEMPLOYMENT	-	-	-
39-16-5-0099-0018 COURT COSTS/SETTLEMENTS	-	-	-
39-16-5-0099-0034 REFUNDS	1,153.46	421.98	-
39-16-5-0099-0118 REIMB.GEN.FUND-INDIR.CST	171,230.00	171,230.00	171,230.00
39-16-5-0099-0155 SEVERENCE PAYABLE	-	-	-
39-17-5-0010-0001 SALARIES	227,489.98	279,118.12	259,755.53
39-17-5-0010-0002 OVERTIME PAY	21,952.02	25,244.97	33,799.17
39-17-5-0010-0004 MEDICARE - EMPLOYER SHARE	3,549.59	4,336.10	4,221.88
39-17-5-0010-0005 RETIREMENT - EMPLOYER SHARE	33,882.71	38,928.92	40,445.16
39-17-5-0010-0006 HOSPITALIZATION	82,486.44	107,990.90	113,692.60
39-17-5-0010-0008 WORKERS COMPENSATION	5,105.33	6,030.87	7,042.78
39-17-5-0010-0020 CLOTHING ALLOWANCE	-	-	2,650.00
39-17-5-0030-0016 CAPITAL IMPROVEMENTS	-	-	119,658.00
39-17-5-0030-0052 VEHICLE/EQUIP.PURCHASE	-	-	-
39-17-5-0040-0013 INSURANCE	13,142.00	13,419.00	13,602.00
39-17-5-0050-0011 UTILITIES	156,281.88	155,697.75	167,624.76
39-17-5-0050-0012 MAINTENANCE	19,092.65	20,779.89	17,358.01
39-17-5-0050-0021 FUEL	2,811.65	3,914.27	4,893.22
39-17-5-0050-0022 OPERATING EXPENSES	124,825.66	123,930.66	134,830.70
39-17-5-0060-0032 RETIREMENT OF INDEBTEDNESS	555.35	556.14	-

City of Ironton
Water Fund - 39

	2016	2017	2018
39-17-5-0060-0063 RETIRE.DEBT.-O.W.D.A.	316,002.78	316,002.78	316,003.28
39-17-5-0070-0039 PROFESSIONAL SERVICES	-		
39-17-5-0099-0007 UNEMPLOYMENT	-	-	-
39-17-5-0099-0071 TRNSF ST/INDIRECT COST	-	-	-

City of Ironton
Water Fund - 39

	2016	2017	2018
39-17-5-0099-0081 TR.TO WATER T.EQUIP.REPL	210,000.00	210,000.00	210,000.00
39-17-5-0099-0155 SEVERENCE PAYABLE		-	-
39-19-5-0010-0001 SALARIES DISTRIBUTION	192,779.71	206,789.53	199,734.73
39-19-5-0010-0002 OVERTIME PAY	16,629.81	8,581.70	10,474.32
39-19-5-0010-0004 MEDICARE - EMPLOYER SHARE	2,959.70	3,050.84	3,003.84
39-19-5-0010-0005 RETIREMENT - EMPLOYER SHARE	28,019.00	29,511.77	29,264.35
39-19-5-0010-0006 HOSPITALIZATION	93,689.22	92,139.50	103,623.42
39-19-5-0010-0008 WORKERS COMPENSATION	16,944.85	32,487.96	24,428.52
39-19-5-0010-0020 CLOTHING ALLOWANCE			2,500.00
39-19-5-0030-0016 CAPITAL IMPROVEMENTS	5,374.16	-	7,825.00
39-19-5-0030-0052 VEHICLE/EQUIP.PURCHASE			-
39-19-5-0040-0013 INSURANCE	2,019.00	2,093.00	2,099.00
39-19-5-0050-0011 UTILITIES	5,739.86	7,884.21	8,851.94
39-19-5-0050-0012 MAINTENANCE	7,703.54	9,000.96	5,270.46
39-19-5-0050-0021 FUEL	5,718.38	8,004.55	8,362.95
39-19-5-0050-0022 OPERATING EXPENSES	85,726.97	58,293.24	52,688.73
39-19-5-0060-0031 RETIREMENT OF BONDED INDEBTEDNESS			-
39-19-5-0060-0032 RETIREMENT NOTED INDEBT.	-	-	-
39-19-5-0060-0063 RETIREMENT DEBT - O.W.D.A.	-	-	-
39-19-5-0099-0007 UNEMPLOYMENT			
39-19-5-0099-0155 SEVERENCE PAYABLE	-	-	-
39-20-5-0010-0001 SALARIES	36,179.13	36,515.85	35,884.80
39-20-5-0010-0002 OVERTIME PAY	572.18	881.65	1,149.28
39-20-5-0010-0004 MEDICARE - EMPLOYER SHARE	518.96	527.83	527.94
39-20-5-0010-0005 RETIREMENT - EMPLOYER SHARE	4,974.46	5,051.81	4,734.41
39-20-5-0010-0006 HOSPITALIZATION	20,172.84	20,752.92	23,542.20
39-20-5-0010-0008 WORKERS COMPENSATION	671.46	764.23	925.41
39-20-5-0010-0020 CLOTHING ALLOWANCE			500.00
39-20-5-0030-0016 CAPITAL IMPROVEMENTS	-	-	-
39-20-5-0040-0013 INSURANCE	1,463.00	1,487.00	1,496.00
39-20-5-0050-0012 MAINTENANCE	3,808.52	4,065.82	4,060.57
39-20-5-0050-0021 FUEL	1,823.98	2,201.69	2,904.95
39-20-5-0050-0022 OPERATING EXPENSES	2,353.71	4,911.82	5,171.67
PMP Asset Management Plan Additional	-	-	-
SLA Replacement Asset Management Plan	-	-	-

**City of Ironton
Water Fund - 39**

	2016	2017	2018
Capital Repalcement Additional	-	-	-
Emergency Escrow Additional	-	-	-
TOTAL EXPENDITURES	2,078,121.52	2,196,198.55	2,361,041.25
Annual Net Cash Position	410,349.91	310,484.53	21,648.34

**City of Ironton
Water Fund - 39**

2019

Total Customers		4,340
Total Gallons Sold		273,031,000
Rate of Charge (Per 1,000 Gal.)	\$	6.44
Administration Fee	\$	2.50
Median Household Income	\$	35,000
Charge to Typical 4,500 GPM Customer	\$	28.26

Affordability Index Percentage 0.97%

Water Equipment Replacement Fund 71

Cash Total

Annual Encumbered Expenditure

Unencumbered Balance

2019

WATER FUND

39-00-0-0000-1000	WATER FUND	(70,497.27)
39-00-0-0000-1010	WATER FUND	93,423.61
	TOTAL CASH	22,926.34
39-00-5-0020-0111	STATE GRANT	-
39-00-5-0020-0117	PROCEEDS FROM FEMA	-
39-00-5-0020-0154	PREMIUM REFUND-BWC	-
39-00-5-0070-0024	REIMBURSEMENTS	20,191.71
39-00-5-0070-0154	PREMIUM REFUND-BWC	28,730.30
39-00-6-0060-0069	TRANSFER FROM WTPERF	-
39-00-7-0090-0038	FEE	128,268.65
39-00-7-0090-0039	NEW SERVICE	64,889.40
39-00-7-0090-0041	SALE OF WATER	1,803,492.21
39-00-7-0090-0073	HAULING WATER	-
39-00-7-0090-0151	DEPOSITS ON ACCOUNT	7,200.00

City of Ironton
Water Fund - 39

	2019
39-00-7-0090-0401 OFF / ON	26,690.00
39-00-8-0100-0019 BOND PROCEEDS	67,040.20
39-00-8-0100-0026 SALE OF ASSETS	-
39-00-8-0100-0066 MISC.	6,583.82
39-00-9-0080-0012 INTEREST ON INVESTMENTS	898.76
39-00-9-0099-0082 ADVANCE FROM GENERAL FUND	-
TOTAL REVENUE	2,153,985.05

**City of Ironton
Water Fund - 39**

	2019
CASH BALANCE & RECEIPTS	2,176,911.39
39-16-5-0010-0001 SALARIES	116,221.53
39-16-5-0010-0002 OVERTIME PAY	5,769.42
39-16-5-0010-0004 MEDICARE - EMPLOYER SHARE	2,120.05
39-16-5-0010-0005 RETIREMENT - EMPLOYER SHARE	16,561.68
39-16-5-0010-0006 HOSPITALIZATION	29,479.56
39-16-5-0010-0008 WORKERS COMPENSATION	1,684.51
39-16-5-0010-0020 CLOTHING ALLOWANCE	750.00
39-16-5-0020-0014 OFFICE SUPPLIES	16,893.21
39-16-5-0030-0016 CAPITAL IMPROVEMENTS	-
39-16-5-0040-0013 INSURANCE	1,251.00
39-16-5-0050-0011 UTILITIES	4,347.64
39-16-5-0050-0012 MAINTENANCE	3,191.15
39-16-5-0060-0032 RETIREMENT OF INDEBTEDNESS	-
39-16-5-0099-0007 UNEMPLOYMENT	-
39-16-5-0099-0018 COURT COSTS/SETTLEMENTS	-
39-16-5-0099-0034 REFUNDS	1,638.07
39-16-5-0099-0118 REIMB.GEN.FUND-INDIR.CST	156,384.96
39-16-5-0099-0155 SEVERENCE PAYABLE	25,826.37
39-17-5-0010-0001 SALARIES	267,045.68
39-17-5-0010-0002 OVERTIME PAY	27,883.66
39-17-5-0010-0004 MEDICARE - EMPLOYER SHARE	4,183.30
39-17-5-0010-0005 RETIREMENT - EMPLOYER SHARE	42,495.71
39-17-5-0010-0006 HOSPITALIZATION	116,566.03
39-17-5-0010-0008 WORKERS COMPENSATION	4,331.65
39-17-5-0010-0020 CLOTHING ALLOWANCE	2,650.00
39-17-5-0030-0016 CAPITAL IMPROVEMENTS	15,461.00
39-17-5-0030-0052 VEHICLE/EQUIP.PURCHASE	-
39-17-5-0040-0013 INSURANCE	13,955.00
39-17-5-0050-0011 UTILITIES	187,309.11
39-17-5-0050-0012 MAINTENANCE	5,089.24
39-17-5-0050-0021 FUEL	3,709.17
39-17-5-0050-0022 OPERATING EXPENSES	147,978.88
39-17-5-0060-0032 RETIREMENT OF INDEBTEDNESS	-

City of Ironton
Water Fund - 39

2019

39-17-5-0060-0063	RETIRE.DEBT.-O.W.D.A.	-
39-17-5-0070-0039	PROFESSIONAL SERVICES	-
39-17-5-0099-0007	UNEMPLOYMENT	-
39-17-5-0099-0071	TRNSF ST/INDIRECT COST	-

**City of Ironton
Water Fund - 39**

2019

39-17-5-0099-0081	TR.TO WATER T.EQUIP.REPL	210,000.00
39-17-5-0099-0155	SEVERENCE PAYABLE	9,827.20
39-19-5-0010-0001	SALARIES DISTRIBUTION	207,540.85
39-19-5-0010-0002	OVERTIME PAY	13,028.68
39-19-5-0010-0004	MEDICARE - EMPLOYER SHARE	3,175.30
39-19-5-0010-0005	RETIREMENT - EMPLOYER SHARE	27,992.55
39-19-5-0010-0006	HOSPITALIZATION	111,892.22
39-19-5-0010-0008	WORKERS COMPENSATION	15,004.89
39-19-5-0010-0020	CLOTHING ALLOWANCE	2,500.00
39-19-5-0030-0016	CAPITAL IMPROVEMENTS	-
39-19-5-0030-0052	VEHICLE/EQUIP.PURCHASE	65,294.16
39-19-5-0040-0013	INSURANCE	2,153.00
39-19-5-0050-0011	UTILITIES	21,656.40
39-19-5-0050-0012	MAINTENANCE	5,537.58
39-19-5-0050-0021	FUEL	6,603.65
39-19-5-0050-0022	OPERATING EXPENSES	56,078.18
39-19-5-0060-0031	RETIREMENT OF BONDED INDEBTEDNES	1,138.46
39-19-5-0060-0032	RETIREMENT NOTED INDEBT.	-
39-19-5-0060-0063	RETIREMENT DEBT - O.W.D.A.	-
39-19-5-0099-0007	UNEMPLOYMENT	
39-19-5-0099-0155	SEVERENCE PAYABLE	4,572.01
39-20-5-0010-0001	SALARIES	38,491.34
39-20-5-0010-0002	OVERTIME PAY	846.94
39-20-5-0010-0004	MEDICARE - EMPLOYER SHARE	552.94
39-20-5-0010-0005	RETIREMENT - EMPLOYER SHARE	5,217.83
39-20-5-0010-0006	HOSPITALIZATION	23,542.20
39-20-5-0010-0008	WORKERS COMPENSATION	576.14
39-20-5-0010-0020	CLOTHING ALLOWANCE	500.00
39-20-5-0030-0016	CAPITAL IMPROVEMENTS	-
39-20-5-0040-0013	INSURANCE	1,534.00
39-20-5-0050-0012	MAINTENANCE	5,616.66
39-20-5-0050-0021	FUEL	2,699.57
39-20-5-0050-0022	OPERATING EXPENSES	6,122.05
	PMP Asset Management Plan Additional	-
	SLA Replcement Asset Management Plan	-

**City of Ironton
Water Fund - 39**

	2019
Capital Repalcement Additional	-
Emergency Escrow Additional	-
TOTAL EXPENDITURES	2,070,472.38
Annual Net Cash Position	106,439.01

**City of Ironton
Water Fund - 39**

	2020	TYPICAL	Methodology
Total Customers	4,340	4340	Avg. 2019/2020
Total Gallons Sold	260,270,000	265,000,000	Avg. 2019/2020
Rate of Charge (Per 1,000 Gal.)	\$ 6.44	\$6.44	2020
Adminstration Fee	\$ 2.50	\$2.50	2020
Median Household Income	\$ 35,000	\$35,000	2020
Avg. 4,500 gal. Mo. Bill			
Charge to Typical 4,500 GPM Customer	\$ 28.26	\$ 28.26	2020
Affordability Index Percentage			
Affordability Index Percentage	0.97%	0.97%	2020

Water Equipment Replacement Fund 71

Cash Total	\$403,499.49
Annual Encumbered Expenditure	\$340,641.54
Unencumbered Balance	\$62,857.95

	2020		
WATER FUND			
39-00-0-0000-1000 WATER FUND	13,015.40	N/A	N/A
39-00-0-0000-1010 WATER FUND	93,423.61	N/A	N/A
TOTAL CASH	106,439.01	186,164.62	2020
39-00-5-0020-0111 STATE GRANT	-	-	2020
39-00-5-0020-0117 PROCEEDS FROM FEMA	-	-	2020
39-00-5-0020-0154 PREMIUM REFUND-BWC	127,118.69	30,047.50	Avg. 2016-2020
39-00-5-0070-0024 REIMBURSEMENTS	23,104.79	23,104.79	2020
39-00-5-0070-0154 PREMIUM REFUND-BWC	-	11,168.66	Avg. 2016-2020
39-00-6-0060-0069 TRANSFER FROM WTPERF	-	-	2020
39-00-7-0090-0038 FEE	129,228.22	129,722.54	Avg. 2016-2020
39-00-7-0090-0039 NEW SERVICE	78,833.10	33,788.32	Avg. 2016-2020
39-00-7-0090-0041 SALE OF WATER	1,704,936.18	1,706,600.00	Avg. 2016-2020
39-00-7-0090-0073 HAULING WATER	-	-	2020
39-00-7-0090-0151 DEPOSITS ON ACCOUNT	-	-	2020

City of Ironton
Water Fund - 39

	2020	TYPICAL	Methodology
39-00-7-0090-0401 OFF / ON	31,674.88	21,777.99	Avg. 2016-2020
39-00-8-0100-0019 BOND PROCEEDS	-	-	2020
39-00-8-0100-0026 SALE OF ASSETS	-	-	2020
39-00-8-0100-0066 MISC.	10,471.88	8,245.00	Avg. 2016-2020
39-00-9-0080-0012 INTEREST ON INVESTMENTS	703.60	585.59	Avg. 2016-2020
39-00-9-0099-0082 ADVANCE FROM GENERAL FUND	80,000.00	-	N/A
TOTAL REVENUE	2,186,071.34	1,965,040.39	

**City of Ironton
Water Fund - 39**

	2020	TYPICAL	Methodology
CASH BALANCE & RECEIPTS	2,292,510.35	2,151,205.01	
39-16-5-0010-0001 SALARIES	124,954.75	124,954.75	2020
39-16-5-0010-0002 OVERTIME PAY	5,360.89	5,434.89	Avg. 2016-2020
39-16-5-0010-0004 MEDICARE - EMPLOYER SHARE	1,833.79	1,735.87	Avg. 2016-2020
39-16-5-0010-0005 RETIREMENT - EMPLOYER SHARE	17,258.66	17,258.66	2020
39-16-5-0010-0006 HOSPITALIZATION	63,491.23	63,491.23	2020
39-16-5-0010-0008 WORKERS COMPENSATION	1,566.45	1,977.30	Avg. 2016-2020
39-16-5-0010-0020 CLOTHING ALLOWANCE	500.00	350.00	Avg. 2016-2020
39-16-5-0020-0014 OFFICE SUPPLIES	11,177.25	12,451.19	Avg. 2016-2020
39-16-5-0030-0016 CAPITAL IMPROVEMENTS	-	1,229.43	Avg. 2016-2020
39-16-5-0040-0013 INSURANCE	1,293.00	1,236.80	Avg. 2016-2020
39-16-5-0050-0011 UTILITIES	16,758.54	16,758.54	2020
39-16-5-0050-0012 MAINTENANCE	2,584.25	2,679.11	Avg. 2016-2020
39-16-5-0060-0032 RETIREMENT OF INDEBTEDNESS	-	-	2020
39-16-5-0099-0007 UNEMPLOYMENT	-	-	2020
39-16-5-0099-0018 COURT COSTS/SETTLEMENTS	-	-	2020
39-16-5-0099-0034 REFUNDS	4,309.12	1,504.53	Avg. 2016-2020
39-16-5-0099-0118 REIMB.GEN.FUND-INDIR.CST	156,384.96	156,384.96	2020
39-16-5-0099-0155 SEVERENCE PAYABLE	-	-	2020
39-17-5-0010-0001 SALARIES	284,809.52	284,809.52	2020
39-17-5-0010-0002 OVERTIME PAY	29,456.98	29,456.98	2020
39-17-5-0010-0004 MEDICARE - EMPLOYER SHARE	4,443.79	4,443.79	2020
39-17-5-0010-0005 RETIREMENT - EMPLOYER SHARE	43,414.10	43,414.10	2020
39-17-5-0010-0006 HOSPITALIZATION	125,584.13	125,584.13	2020
39-17-5-0010-0008 WORKERS COMPENSATION	4,009.96	5,304.12	Avg. 2016-2020
39-17-5-0010-0020 CLOTHING ALLOWANCE	2,650.00	2,650.00	2020
39-17-5-0030-0016 CAPITAL IMPROVEMENTS	25,599.00	32,143.60	Avg. 2016-2020
39-17-5-0030-0052 VEHICLE/EQUIP.PURCHASE	-	-	2020
39-17-5-0040-0013 INSURANCE	14,423.00	14,423.00	2020
39-17-5-0050-0011 UTILITIES	190,890.40	190,890.40	2020
39-17-5-0050-0012 MAINTENANCE	6,973.43	13,858.64	Avg. 2016-2020
39-17-5-0050-0021 FUEL	3,120.48	3,689.76	Avg. 2016-2020
39-17-5-0050-0022 OPERATING EXPENSES	139,387.06	134,190.59	Avg. 2016-2020
39-17-5-0060-0032 RETIREMENT OF INDEBTEDNESS	-	-	2020

City of Ironton
Water Fund - 39

	2020	TYPICAL	Methodology
39-17-5-0060-0063 RETIRE.DEBT.-O.W.D.A.	-	-	2020
39-17-5-0070-0039 PROFESSIONAL SERVICES	4,950.00	4,950.00	2020
39-17-5-0099-0007 UNEMPLOYMENT	-	-	2020
39-17-5-0099-0071 TRNSF ST/INDIRECT COST	-	-	2020

**City of Ironton
Water Fund - 39**

	2020	TYPICAL	Methodology
39-17-5-0099-0081 TR.TO WATER T.EQUIP.REPL	210,000.00	210,000.00	2020
39-17-5-0099-0155 SEVERENCE PAYABLE	-	-	2020
39-19-5-0010-0001 SALARIES DISTRIBUTION	220,297.52	220,297.52	2020
39-19-5-0010-0002 OVERTIME PAY	17,959.48	17,959.48	2020
39-19-5-0010-0004 MEDICARE - EMPLOYER SHARE	3,359.38	3,359.38	2020
39-19-5-0010-0005 RETIREMENT - EMPLOYER SHARE	32,084.60	32,084.60	2020
39-19-5-0010-0006 HOSPITALIZATION	104,308.40	101,130.55	Avg. 2016-2020
39-19-5-0010-0008 WORKERS COMPENSATION	13,862.26	20,545.70	Avg. 2016-2020
39-19-5-0010-0020 CLOTHING ALLOWANCE	2,500.00	2,500.00	2020
39-19-5-0030-0016 CAPITAL IMPROVEMENTS	9,335.00	4,506.83	Avg. 2016-2020
39-19-5-0030-0052 VEHICLE/EQUIP.PURCHASE	-	13,058.83	Avg. 2016-2020
39-19-5-0040-0013 INSURANCE	2,286.00	2,286.00	2020
39-19-5-0050-0011 UTILITIES	16,249.33	16,249.33	2020
39-19-5-0050-0012 MAINTENANCE	8,904.47	7,283.40	Avg. 2016-2020
39-19-5-0050-0021 FUEL	6,505.93	7,039.09	Avg. 2016-2020
39-19-5-0050-0022 OPERATING EXPENSES	78,878.10	66,333.04	Avg. 2016-2020
39-19-5-0060-0031 RETIREMENT OF BONDED INDEBTEDNES	1,638.86	1,638.86	2020
39-19-5-0060-0032 RETIREMENT NOTED INDEBT.	-	-	2020
39-19-5-0060-0063 RETIREMENT DEBT - O.W.D.A.	-	-	2020
39-19-5-0099-0007 UNEMPLOYMENT	2,294.50	2,294.50	2020
39-19-5-0099-0155 SEVERENCE PAYABLE	1,300.22	1,300.22	2020
39-20-5-0010-0001 SALARIES	40,343.56	40,343.56	2020
39-20-5-0010-0002 OVERTIME PAY	681.03	826.22	Avg. 2016-2020
39-20-5-0010-0004 MEDICARE - EMPLOYER SHARE	576.17	540.77	Avg. 2016-2020
39-20-5-0010-0005 RETIREMENT - EMPLOYER SHARE	5,474.59	5,474.59	2020
39-20-5-0010-0006 HOSPITALIZATION	24,546.82	24,546.82	2020
39-20-5-0010-0008 WORKERS COMPENSATION	543.34	696.12	Avg. 2016-2020
39-20-5-0010-0020 CLOTHING ALLOWANCE	500.00	500.00	2020
39-20-5-0030-0016 CAPITAL IMPROVEMENTS	-	-	2020
39-20-5-0040-0013 INSURANCE	1,585.00	1,585.00	2020
39-20-5-0050-0012 MAINTENANCE	2,763.24	4,062.96	Avg. 2016-2020
39-20-5-0050-0021 FUEL	1,633.67	2,252.77	Avg. 2016-2021
39-20-5-0050-0022 OPERATING EXPENSES	8,749.53	8,749.53	2020
PMP Asset Management Plan Additional	-	-	\$ -
SLA Replcement Asset Management Plan	-	-	\$ -

**City of Ironton
Water Fund - 39**

	2020	TYPICAL	Methodology
Capital Repalcement Additional	-	-	\$ -
Emergency Escrow Additional	-	-	\$ -
TOTAL EXPENDITURES	2,106,345.74	2,116,701.56	
Annual Net Cash Position	186,164.62	34,503.44	

**City of Ironton
Water Fund - 39**

Rate Increase Occurring July 1, 2021

	2021 Projections
Total Customers	4,340
Total Gallons Sold	265,000,000
Rate of Charge (Per 1,000 Gal.)	\$8.76
Administration Fee	\$2.58
Median Household Income	\$35,000
Charge to Typical 4,500 GPM Customer	Avg. 4,500 gal. Mo. Bill \$37.61
Affordability Index Percentage	Affordability Index Percentage 1.29%
Water Equipment Replacement Fund 71	
Cash Total	\$272,857.95
Annual Encumbered Expenditure	\$13,000.00
Unencumbered Balance	\$259,857.95
WATER FUND	
39-00-0-0000-1000 WATER FUND	
39-00-0-0000-1010 WATER FUND	
TOTAL CASH	186,164.62
39-00-5-0020-0111 STATE GRANT	0.00
39-00-5-0020-0117 PROCEEDS FROM FEMA	0.00
39-00-5-0020-0154 PREMIUM REFUND-BWC	0.00
39-00-5-0070-0024 REIMBURSEMENTS	35,415.00
39-00-5-0070-0154 PREMIUM REFUND-BWC	0.00
39-00-6-0060-0069 TRANSFER FROM WTPERF	0.00
39-00-7-0090-0038 FEE	132,153.00
39-00-7-0090-0039 NEW SERVICE	78,835.00
39-00-7-0090-0041 SALE OF WATER	\$2,013,788.00
39-00-7-0090-0073 HAULING WATER	0.00
39-00-7-0090-0151 DEPOSITS ON ACCOUNT	0.00

**City of Ironton
Water Fund - 39**

Rate Increase Occurring July 1, 2021

	2021 Projections
39-00-7-0090-0401 OFF / ON	34,675.00
39-00-8-0100-0019 BOND PROCEEDS	0.00
39-00-8-0100-0026 SALE OF ASSETS	0.00
39-00-8-0100-0066 MISC.	5,000.00
39-00-9-0080-0012 INTEREST ON INVESTMENTS	705.00
39-00-9-0099-0082 ADVANCE FROM GENERAL FUND	0.00
TOTAL REVENUE	2,300,571.00

**City of Ironton
Water Fund - 39**

Rate Increase Occurring July 1, 2021

CASH BALANCE & RECEIPTS		2021 Projections
		2,486,735.62
		2021 Council Approved Appropriations
39-16-5-0010-0001	SALARIES	124,925.00
39-16-5-0010-0002	OVERTIME PAY	5,635.00
39-16-5-0010-0004	MEDICARE - EMPLOYER SHARE	1,925.00
39-16-5-0010-0005	RETIREMENT - EMPLOYER SHARE	18,250.00
39-16-5-0010-0006	HOSPITALIZATION	64,675.00
39-16-5-0010-0008	WORKERS COMPENSATION	2,430.00
39-16-5-0010-0020	CLOTHING ALLOWANCE	600.00
39-16-5-0020-0014	OFFICE SUPPLIES	10,295.00
39-16-5-0030-0016	CAPITAL IMPROVEMENTS	1,490.00
39-16-5-0040-0013	INSURANCE	0.00
39-16-5-0050-0011	UTILITIES	13,245.00
39-16-5-0050-0012	MAINTENANCE	2,845.00
39-16-5-0060-0032	RETIREMENT OF INDEBTEDNESS	0.00
39-16-5-0099-0007	UNEMPLOYMENT	0.00
39-16-5-0099-0018	COURT COSTS/SETTLEMENTS	0.00
39-16-5-0099-0034	REFUNDS	4,300.00
39-16-5-0099-0118	REIMB.GEN.FUND-INDIR.CST	156,385.00
39-16-5-0099-0155	SEVERENCE PAYABLE	0.00
39-17-5-0010-0001	SALARIES	285,055.00
39-17-5-0010-0002	OVERTIME PAY	29,745.00
39-17-5-0010-0004	MEDICARE - EMPLOYER SHARE	4,600.00
39-17-5-0010-0005	RETIREMENT - EMPLOYER SHARE	44,015.00
39-17-5-0010-0006	HOSPITALIZATION	125,375.00
39-17-5-0010-0008	WORKERS COMPENSATION	5,780.00
39-17-5-0010-0020	CLOTHING ALLOWANCE	3,180.00
39-17-5-0030-0016	CAPITAL IMPROVEMENTS	0.00
39-17-5-0030-0052	VEHICLE/EQUIP.PURCHASE	0.00
39-17-5-0040-0013	INSURANCE	16,590.00
39-17-5-0050-0011	UTILITIES	159,260.00
39-17-5-0050-0012	MAINTENANCE	6,675.00
39-17-5-0050-0021	FUEL	3,870.00
39-17-5-0050-0022	OPERATING EXPENSES	143,330.00
39-17-5-0060-0032	RETIREMENT OF INDEBTEDNESS	0.00

City of Ironton
Water Fund - 39

Rate Increase Occurring July 1, 2021

	2021 Projections
39-17-5-0060-0063 RETIRE.DEBT.-O.W.D.A.	0.00
39-17-5-0070-0039 PROFESSIONAL SERVICES	25,000.00
39-17-5-0099-0007 UNEMPLOYMENT	0.00
39-17-5-0099-0071 TRNSF ST/INDIRECT COST	0.00

**City of Ironton
Water Fund - 39**

Rate Increase Occurring July 1, 2021

	2021 Projections
39-17-5-0099-0081 TR.TO WATER T.EQUIP.REPL	210,000.00
39-17-5-0099-0155 SEVERENCE PAYABLE	0.00
39-19-5-0010-0001 SALARIES DISTRIBUTION	220,950.00
39-19-5-0010-0002 OVERTIME PAY	11,780.00
39-19-5-0010-0004 MEDICARE - EMPLOYER SHARE	3,420.00
39-19-5-0010-0005 RETIREMENT - EMPLOYER SHARE	32,540.00
39-19-5-0010-0006 HOSPITALIZATION	143,220.00
39-19-5-0010-0008 WORKERS COMPENSATION	4,320.00
39-19-5-0010-0020 CLOTHING ALLOWANCE	3,600.00
39-19-5-0030-0016 CAPITAL IMPROVEMENTS	5,000.00
39-19-5-0030-0052 VEHICLE/EQUIP.PURCHASE	0.00
39-19-5-0040-0013 INSURANCE	2,630.00
39-19-5-0050-0011 UTILITIES	13,065.00
39-19-5-0050-0012 MAINTENANCE	9,215.00
39-19-5-0050-0021 FUEL	7,110.00
39-19-5-0050-0022 OPERATING EXPENSES	61,135.00
39-19-5-0060-0031 RETIREMENT OF BONDED INDEBTEDNES	13,440.00
39-19-5-0060-0032 RETIREMENT NOTED INDEBT.	0.00
39-19-5-0060-0063 RETIREMENT DEBT - O.W.D.A.	0.00
39-19-5-0099-0007 UNEMPLOYMENT	0.00
39-19-5-0099-0155 SEVERENCE PAYABLE	0.00
39-20-5-0010-0001 SALARIES	40,470.00
39-20-5-0010-0002 OVERTIME PAY	705.00
39-20-5-0010-0004 MEDICARE - EMPLOYER SHARE	595.00
39-20-5-0010-0005 RETIREMENT - EMPLOYER SHARE	5,740.00
39-20-5-0010-0006 HOSPITALIZATION	26,181.00
39-20-5-0010-0008 WORKERS COMPENSATION	745.00
39-20-5-0010-0020 CLOTHING ALLOWANCE	600.00
39-20-5-0030-0016 CAPITAL IMPROVEMENTS	0.00
39-20-5-0040-0013 INSURANCE	1,825.00
39-20-5-0050-0012 MAINTENANCE	3,040.00
39-20-5-0050-0021 FUEL	1,890.00
39-20-5-0050-0022 OPERATING EXPENSES	9,225.00
PMP Asset Management Plan Additional	22,700.00
SLA Replcement Asset Management Plan	26,019.00

**City of Ironton
Water Fund - 39**

Rate Increase Occurring July 1, 2021

Capital Repalcement Additional
Emergency Escrow Additional
TOTAL EXPENDITURES

2021 Projections

0.00

40,275.76

2,180,910.76

Annual Net Cash Position

305,824.86

**City of Ironton
Water Fund - 39**

	2022 Projections	2023 Projections
Total Customers	4,340	4,340
Total Gallons Sold	265,000,000	265,000,000
Rate of Charge (Per 1,000 Gal.)	\$9.20	\$9.47
Administration Fee	\$2.65	\$2.73
Median Household Income	\$35,700	\$36,057
Avg. 4,500 gal. Mo. Bill		Avg. 4,500 gal. Mo. Bill
Charge to Typical 4,500 GPM Customer	\$39.44	\$40.62
Affordability Index Percentage	1.33%	Affordability Index Percentage
Affordability Index Percentage		1.35%

Water Equipment Replacement Fund 71

Cash Total	\$469,857.95	\$622,857.95
Annual Encumbered Expenditure	\$57,000.00	\$99,000.00
Unencumbered Balance	\$412,857.95	\$523,857.95

WATER FUND

39-00-0-0000-1000	WATER FUND		
39-00-0-0000-1010	WATER FUND		
	TOTAL CASH	305,825	688,490
39-00-5-0020-0111	STATE GRANT	0.00	0.00
39-00-5-0020-0117	PROCEEDS FROM FEMA	0.00	0.00
39-00-5-0020-0154	PREMIUM REFUND-BWC	0.00	0.00
39-00-5-0070-0024	REIMBURSEMENTS	35,415.00	35,415.00
39-00-5-0070-0154	PREMIUM REFUND-BWC	0.00	0.00
39-00-6-0060-0069	TRANSFER FROM WTPERF	0.00	0.00
39-00-7-0090-0038	FEE	138,129.18	142,273.06
39-00-7-0090-0039	NEW SERVICE	78,835.00	78,835.00
39-00-7-0090-0041	SALE OF WATER	\$2,437,024.80	\$2,510,135.54
39-00-7-0090-0073	HAULING WATER	0.00	0.00
39-00-7-0090-0151	DEPOSITS ON ACCOUNT	0.00	0.00

**City of Ironton
Water Fund - 39**

	2022 Projections	2023 Projections
39-00-7-0090-0401 OFF / ON	34,675.00	34,675.00
39-00-8-0100-0019 BOND PROCEEDS	0.00	0.00
39-00-8-0100-0026 SALE OF ASSETS	0.00	0.00
39-00-8-0100-0066 MISC.	5,000.00	5,000.00
39-00-9-0080-0012 INTEREST ON INVESTMENTS	705.00	705.00
39-00-9-0099-0082 ADVANCE FROM GENERAL FUND	0.00	0.00
TOTAL REVENUE	2,729,783.98	2,807,038.60

**City of Ironton
Water Fund - 39**

	2022 Projections	2023 Projections
	3,035,608.84	3,495,528.91
CASH BALANCE & RECEIPTS		
39-16-5-0010-0001 SALARIES	128,672.75	132,532.93
39-16-5-0010-0002 OVERTIME PAY	5,804.05	5,978.17
39-16-5-0010-0004 MEDICARE - EMPLOYER SHARE	1,982.75	2,042.23
39-16-5-0010-0005 RETIREMENT - EMPLOYER SHARE	18,797.50	19,361.43
39-16-5-0010-0006 HOSPITALIZATION	66,615.25	68,613.71
39-16-5-0010-0008 WORKERS COMPENSATION	2,502.90	2,577.99
39-16-5-0010-0020 CLOTHING ALLOWANCE	618.00	636.54
39-16-5-0020-0014 OFFICE SUPPLIES	10,603.85	10,921.97
39-16-5-0030-0016 CAPITAL IMPROVEMENTS	1,490.00	1,490.00
39-16-5-0040-0013 INSURANCE	0.00	0.00
39-16-5-0050-0011 UTILITIES	13,642.35	14,051.62
39-16-5-0050-0012 MAINTENANCE	2,930.35	3,018.26
39-16-5-0060-0032 RETIREMENT OF INDEBTEDNESS	0.00	0.00
39-16-5-0099-0007 UNEMPLOYMENT	0.00	0.00
39-16-5-0099-0018 COURT COSTS/SETTLEMENTS	0.00	0.00
39-16-5-0099-0034 REFUNDS	4,300.00	4,300.00
39-16-5-0099-0118 REIMB.GEN.FUND-INDIR.CST	156,385.00	156,385.00
39-16-5-0099-0155 SEVERENCE PAYABLE	0.00	0.00
39-17-5-0010-0001 SALARIES	293,606.65	302,414.85
39-17-5-0010-0002 OVERTIME PAY	30,637.35	31,556.47
39-17-5-0010-0004 MEDICARE - EMPLOYER SHARE	4,738.00	4,880.14
39-17-5-0010-0005 RETIREMENT - EMPLOYER SHARE	45,335.45	46,695.51
39-17-5-0010-0006 HOSPITALIZATION	129,136.25	133,010.34
39-17-5-0010-0008 WORKERS COMPENSATION	5,953.40	6,132.00
39-17-5-0010-0020 CLOTHING ALLOWANCE	3,275.40	3,373.66
39-17-5-0030-0016 CAPITAL IMPROVEMENTS	0.00	0.00
39-17-5-0030-0052 VEHICLE/EQUIP.PURCHASE	0.00	0.00
39-17-5-0040-0013 INSURANCE	17,087.70	17,600.33
39-17-5-0050-0011 UTILITIES	164,037.80	168,958.93
39-17-5-0050-0012 MAINTENANCE	6,875.25	7,081.51
39-17-5-0050-0021 FUEL	3,986.10	4,105.68
39-17-5-0050-0022 OPERATING EXPENSES	147,629.90	152,058.80
39-17-5-0060-0032 RETIREMENT OF INDEBTEDNESS	0	0

City of Ironton
Water Fund - 39

	2022 Projections	2023 Projections
39-17-5-0060-0063 RETIRE.DEBT.-O.W.D.A.	0	0
39-17-5-0070-0039 PROFESSIONAL SERVICES	25,750.00	26,522.50
39-17-5-0099-0007 UNEMPLOYMENT	0.00	0.00
39-17-5-0099-0071 TRNSF ST/INDIRECT COST	0.00	0.00

City of Ironton
Water Fund - 39

	2022 Projections	2023 Projections
39-17-5-0099-0081 TR.TO WATER T.EQUIP.REPL	210,000	210,000
39-17-5-0099-0155 SEVERENCE PAYABLE	0.00	0.00
39-19-5-0010-0001 SALARIES DISTRIBUTION	227,578.50	234,405.86
39-19-5-0010-0002 OVERTIME PAY	12,133.40	12,497.40
39-19-5-0010-0004 MEDICARE - EMPLOYER SHARE	3,522.60	3,628.28
39-19-5-0010-0005 RETIREMENT - EMPLOYER SHARE	33,516.20	34,521.69
39-19-5-0010-0006 HOSPITALIZATION	147,516.60	151,942.10
39-19-5-0010-0008 WORKERS COMPENSATION	4,449.60	4,583.09
39-19-5-0010-0020 CLOTHING ALLOWANCE	3,708.00	3,819.24
39-19-5-0030-0016 CAPITAL IMPROVEMENTS	5,150.00	5,304.50
39-19-5-0030-0052 VEHICLE/EQUIP.PURCHASE	0.00	0.00
39-19-5-0040-0013 INSURANCE	2,708.90	2,790.17
39-19-5-0050-0011 UTILITIES	13,456.95	13,860.66
39-19-5-0050-0012 MAINTENANCE	9,491.45	9,776.19
39-19-5-0050-0021 FUEL	7,323.30	7,543.00
39-19-5-0050-0022 OPERATING EXPENSES	62,969.05	64,858.12
39-19-5-0060-0031 RETIREMENT OF BONDED INDEBTEDNES	13,440	13,440
39-19-5-0060-0032 RETIREMENT NOTED INDEBT.	0	0
39-19-5-0060-0063 RETIREMENT DEBT - O.W.D.A.	0	0
39-19-5-0099-0007 UNEMPLOYMENT	0.00	0.00
39-19-5-0099-0155 SEVERENCE PAYABLE	0.00	0.00
39-20-5-0010-0001 SALARIES	41,684.10	42,934.62
39-20-5-0010-0002 OVERTIME PAY	726.15	747.93
39-20-5-0010-0004 MEDICARE - EMPLOYER SHARE	612.85	631.24
39-20-5-0010-0005 RETIREMENT - EMPLOYER SHARE	5,912.20	6,089.57
39-20-5-0010-0006 HOSPITALIZATION	26,966.43	27,775.42
39-20-5-0010-0008 WORKERS COMPENSATION	767.35	790.37
39-20-5-0010-0020 CLOTHING ALLOWANCE	618.00	636.54
39-20-5-0030-0016 CAPITAL IMPROVEMENTS	0.00	0.00
39-20-5-0040-0013 INSURANCE	1,879.75	1,936.14
39-20-5-0050-0012 MAINTENANCE	3,131.20	3,225.14
39-20-5-0050-0021 FUEL	1,946.70	2,005.10
39-20-5-0050-0022 OPERATING EXPENSES	9,501.75	9,786.80
PMP Asset Management Plan Additional	91,588.00	91,588.00
SLA Replcement Asset Management Plan	63,685.00	67,019.00

**City of Ironton
Water Fund - 39**

	2022 Projections	2023 Projections
Capital Repalcement Additional	0.00	0.00
Emergency Escrow Additional	48,740.50	50,202.71
TOTAL EXPENDITURES	2,347,118.53	2,404,639.44
Annual Net Cash Position	688,490.31	1,090,889.47

**City of Ironton
Water Fund - 39**

	2024 Projections
Total Customers	4,340
Total Gallons Sold	265,000,000
Rate of Charge (Per 1,000 Gal.)	\$9.76
Administration Fee	\$2.81
Median Household Income	\$36,418
	Avg. 4,500 gal. Mo. Bill
Charge to Typical 4,500 GPM Customer	\$41.84
	Affordability Index Percentage
Affordability Index Percentage	1.38%

Water Equipment Replacement Fund 71

Cash Total	\$733,857.95
Annual Encumbered Expenditure	\$159,000.00
Unencumbered Balance	\$574,857.95

WATER FUND

39-00-0-0000-1000	WATER FUND	
39-00-0-0000-1010	WATER FUND	
	TOTAL CASH	1,090,889
39-00-5-0020-0111	STATE GRANT	0.00
39-00-5-0020-0117	PROCEEDS FROM FEMA	0.00
39-00-5-0020-0154	PREMIUM REFUND-BWC	0.00
39-00-5-0070-0024	REIMBURSEMENTS	35,415.00
39-00-5-0070-0154	PREMIUM REFUND-BWC	0.00
39-00-6-0060-0069	TRANSFER FROM WTPERF	0.00
39-00-7-0090-0038	FEE	146,541.25
39-00-7-0090-0039	NEW SERVICE	78,835.00
39-00-7-0090-0041	SALE OF WATER	\$2,585,439.61
39-00-7-0090-0073	HAULING WATER	0.00
39-00-7-0090-0151	DEPOSITS ON ACCOUNT	0.00

**City of Ironton
Water Fund - 39**

2024 Projections

39-00-7-0090-0401	OFF / ON	34,675.00
39-00-8-0100-0019	BOND PROCEEDS	0.00
39-00-8-0100-0026	SALE OF ASSETS	0.00
39-00-8-0100-0066	MISC.	5,000.00
39-00-9-0080-0012	INTEREST ON INVESTMENTS	705.00
39-00-9-0099-0082	ADVANCE FROM GENERAL FUND	0.00
	TOTAL REVENUE	2,886,610.86

**City of Ironton
Water Fund - 39**

2024 Projections

CASH BALANCE & RECEIPTS

3,977,500.32

39-16-5-0010-0001	SALARIES	136,508.92
39-16-5-0010-0002	OVERTIME PAY	6,157.52
39-16-5-0010-0004	MEDICARE - EMPLOYER SHARE	2,103.50
39-16-5-0010-0005	RETIREMENT - EMPLOYER SHARE	19,942.27
39-16-5-0010-0006	HOSPITALIZATION	70,672.12
39-16-5-0010-0008	WORKERS COMPENSATION	2,655.33
39-16-5-0010-0020	CLOTHING ALLOWANCE	655.64
39-16-5-0020-0014	OFFICE SUPPLIES	11,249.62
39-16-5-0030-0016	CAPITAL IMPROVEMENTS	1,490.00
39-16-5-0040-0013	INSURANCE	0.00
39-16-5-0050-0011	UTILITIES	14,473.17
39-16-5-0050-0012	MAINTENANCE	3,108.81
39-16-5-0060-0032	RETIREMENT OF INDEBTEDNESS	0.00
39-16-5-0099-0007	UNEMPLOYMENT	0.00
39-16-5-0099-0018	COURT COSTS/SETTLEMENTS	0.00
39-16-5-0099-0034	REFUNDS	4,300.00
39-16-5-0099-0118	REIMB.GEN.FUND-INDIR.CST	156,385.00
39-16-5-0099-0155	SEVERENCE PAYABLE	0.00
39-17-5-0010-0001	SALARIES	311,487.29
39-17-5-0010-0002	OVERTIME PAY	32,503.16
39-17-5-0010-0004	MEDICARE - EMPLOYER SHARE	5,026.54
39-17-5-0010-0005	RETIREMENT - EMPLOYER SHARE	48,096.38
39-17-5-0010-0006	HOSPITALIZATION	137,000.65
39-17-5-0010-0008	WORKERS COMPENSATION	6,315.96
39-17-5-0010-0020	CLOTHING ALLOWANCE	3,474.87
39-17-5-0030-0016	CAPITAL IMPROVEMENTS	0.00
39-17-5-0030-0052	VEHICLE/EQUIP.PURCHASE	0.00
39-17-5-0040-0013	INSURANCE	18,128.34
39-17-5-0050-0011	UTILITIES	174,027.70
39-17-5-0050-0012	MAINTENANCE	7,293.95
39-17-5-0050-0021	FUEL	4,228.85
39-17-5-0050-0022	OPERATING EXPENSES	156,620.56
39-17-5-0060-0032	RETIREMENT OF INDEBTEDNESS	0

City of Ironton
Water Fund - 39

2024 Projections

39-17-5-0060-0063	RETIRE.DEBT.-O.W.D.A.	0
39-17-5-0070-0039	PROFESSIONAL SERVICES	27,318.18
39-17-5-0099-0007	UNEMPLOYMENT	0.00
39-17-5-0099-0071	TRNSF ST/INDIRECT COST	0.00

**City of Ironton
Water Fund - 39**

2024 Projections

39-17-5-0099-0081	TR.TO WATER T.EQUIP.REPL	210,000
39-17-5-0099-0155	SEVERENCE PAYABLE	0.00
39-19-5-0010-0001	SALARIES DISTRIBUTION	241,438.03
39-19-5-0010-0002	OVERTIME PAY	12,872.32
39-19-5-0010-0004	MEDICARE - EMPLOYER SHARE	3,737.13
39-19-5-0010-0005	RETIREMENT - EMPLOYER SHARE	35,557.34
39-19-5-0010-0006	HOSPITALIZATION	156,500.36
39-19-5-0010-0008	WORKERS COMPENSATION	4,720.58
39-19-5-0010-0020	CLOTHING ALLOWANCE	3,933.82
39-19-5-0030-0016	CAPITAL IMPROVEMENTS	5,463.64
39-19-5-0030-0052	VEHICLE/EQUIP.PURCHASE	0.00
39-19-5-0040-0013	INSURANCE	2,873.87
39-19-5-0050-0011	UTILITIES	14,276.48
39-19-5-0050-0012	MAINTENANCE	10,069.48
39-19-5-0050-0021	FUEL	7,769.29
39-19-5-0050-0022	OPERATING EXPENSES	66,803.87
39-19-5-0060-0031	RETIREMENT OF BONDED INDEBTEDNES	13,440
39-19-5-0060-0032	RETIREMENT NOTED INDEBT.	0
39-19-5-0060-0063	RETIREMENT DEBT - O.W.D.A.	0
39-19-5-0099-0007	UNEMPLOYMENT	0.00
39-19-5-0099-0155	SEVERENCE PAYABLE	0.00
39-20-5-0010-0001	SALARIES	44,222.66
39-20-5-0010-0002	OVERTIME PAY	770.37
39-20-5-0010-0004	MEDICARE - EMPLOYER SHARE	650.17
39-20-5-0010-0005	RETIREMENT - EMPLOYER SHARE	6,272.25
39-20-5-0010-0006	HOSPITALIZATION	28,608.69
39-20-5-0010-0008	WORKERS COMPENSATION	814.08
39-20-5-0010-0020	CLOTHING ALLOWANCE	655.64
39-20-5-0030-0016	CAPITAL IMPROVEMENTS	0.00
39-20-5-0040-0013	INSURANCE	1,994.23
39-20-5-0050-0012	MAINTENANCE	3,321.89
39-20-5-0050-0021	FUEL	2,065.25
39-20-5-0050-0022	OPERATING EXPENSES	10,080.41
	PMP Asset Management Plan Additional	91,588.00
	SLA Replcement Asset Management Plan	107,885.00

**City of Ironton
Water Fund - 39**

2024 Projections

Capital Repalcement Additional
Emergency Escrow Additional
TOTAL EXPENDITURES

0.00
51,708.79
2,501,317.97

Annual Net Cash Position

1,476,182.36

**City of Ironton
Water Fund - 39**

	2025 Projections	2026 Projections
Total Customers	4,340	4,340
Total Gallons Sold	230,000,000	230,000,000
Rate of Charge (Per 1,000 Gal.)	\$10.05	\$10.35
Administration Fee	\$2.90	\$2.99
Median Household Income	\$36,782	\$37,150
	Avg. 4,500 gal. Mo. Bill	Avg. 4,500 gal. Mo. Bill
Charge to Typical 4,500 GPM Customer	\$43.09	\$44.39
	Affordability Index Percentage	Affordability Index Percentage
Affordability Index Percentage	1.41%	1.43%

Water Equipment Replacement Fund 71

Cash Total	\$784,857.95	\$838,857.95
Annual Encumbered Expenditure	\$156,000.00	\$156,000.00
Unencumbered Balance	\$628,857.95	\$682,857.95

WATER FUND

39-00-0-0000-1000	WATER FUND		
39-00-0-0000-1010	WATER FUND		
	TOTAL CASH	1,476,182	1,541,265
39-00-5-0020-0111	STATE GRANT	0.00	0.00
39-00-5-0020-0117	PROCEEDS FROM FEMA	0.00	0.00
39-00-5-0020-0154	PREMIUM REFUND-BWC	0.00	0.00
39-00-5-0070-0024	REIMBURSEMENTS	35,415.00	35,415.00
39-00-5-0070-0154	PREMIUM REFUND-BWC	0.00	0.00
39-00-6-0060-0069	TRANSFER FROM WTPERF	0.00	0.00
39-00-7-0090-0038	FEE	150,937.48	155,465.61
39-00-7-0090-0039	NEW SERVICE	78,835.00	78,835.00
39-00-7-0090-0041	SALE OF WATER	\$2,311,285.45	\$2,380,624.01
39-00-7-0090-0073	HAULING WATER	0.00	0.00
39-00-7-0090-0151	DEPOSITS ON ACCOUNT	0.00	0.00

**City of Ironton
Water Fund - 39**

	2025 Projections	2026 Projections
39-00-7-0090-0401 OFF / ON	34,675.00	34,675.00
39-00-8-0100-0019 BOND PROCEEDS	0.00	0.00
39-00-8-0100-0026 SALE OF ASSETS	0.00	0.00
39-00-8-0100-0066 MISC.	5,000.00	5,000.00
39-00-9-0080-0012 INTEREST ON INVESTMENTS	705.00	705.00
39-00-9-0099-0082 ADVANCE FROM GENERAL FUND	0.00	0.00
TOTAL REVENUE	2,616,852.93	2,690,719.62

City of Ironton
Water Fund - 39

		2025 Projections	2026 Projections
CASH BALANCE & RECEIPTS		4,093,035.29	4,231,984.39
		Inflation Index Percentage 3% to Various Line Items	
39-16-5-0010-0001	SALARIES	140,604.19	144,822.31
39-16-5-0010-0002	OVERTIME PAY	6,342.24	6,532.51
39-16-5-0010-0004	MEDICARE - EMPLOYER SHARE	2,166.60	2,231.60
39-16-5-0010-0005	RETIREMENT - EMPLOYER SHARE	20,540.54	21,156.75
39-16-5-0010-0006	HOSPITALIZATION	72,792.28	74,976.05
39-16-5-0010-0008	WORKERS COMPENSATION	2,734.99	2,817.04
39-16-5-0010-0020	CLOTHING ALLOWANCE	675.31	695.56
39-16-5-0020-0014	OFFICE SUPPLIES	11,587.11	11,934.73
39-16-5-0030-0016	CAPITAL IMPROVEMENTS	1,490.00	1,490.00
39-16-5-0040-0013	INSURANCE	0.00	0.00
39-16-5-0050-0011	UTILITIES	14,907.36	15,354.59
39-16-5-0050-0012	MAINTENANCE	3,202.07	3,298.13
39-16-5-0060-0032	RETIREMENT OF INDEBTEDNESS	0.00	0.00
39-16-5-0099-0007	UNEMPLOYMENT	0.00	0.00
39-16-5-0099-0018	COURT COSTS/SETTLEMENTS	0.00	0.00
39-16-5-0099-0034	REFUNDS	4,300.00	4,300.00
39-16-5-0099-0118	REIMB.GEN.FUND-INDIR.CST	156,385.00	156,385.00
39-16-5-0099-0155	SEVERENCE PAYABLE	0.00	0.00
39-17-5-0010-0001	SALARIES	320,831.91	330,456.87
39-17-5-0010-0002	OVERTIME PAY	33,478.26	34,482.61
39-17-5-0010-0004	MEDICARE - EMPLOYER SHARE	5,177.34	5,332.66
39-17-5-0010-0005	RETIREMENT - EMPLOYER SHARE	49,539.27	51,025.45
39-17-5-0010-0006	HOSPITALIZATION	141,110.67	145,343.99
39-17-5-0010-0008	WORKERS COMPENSATION	6,505.44	6,700.60
39-17-5-0010-0020	CLOTHING ALLOWANCE	3,579.12	3,686.49
39-17-5-0030-0016	CAPITAL IMPROVEMENTS	0.00	0.00
39-17-5-0030-0052	VEHICLE/EQUIP.PURCHASE	0.00	0.00
39-17-5-0040-0013	INSURANCE	18,672.19	19,232.36
39-17-5-0050-0011	UTILITIES	179,248.53	184,625.99
39-17-5-0050-0012	MAINTENANCE	7,512.77	7,738.15
39-17-5-0050-0021	FUEL	4,355.72	4,486.39
39-17-5-0050-0022	OPERATING EXPENSES	161,319.18	166,158.75
39-17-5-0060-0032	RETIREMENT OF INDEBTEDNESS	0	0

City of Ironton
Water Fund - 39

	2025 Projections	2026 Projections
39-17-5-0060-0063 RETIRE.DEBT.-O.W.D.A.	0	0
39-17-5-0070-0039 PROFESSIONAL SERVICES	28,137.72	28,981.85
39-17-5-0099-0007 UNEMPLOYMENT	0.00	0.00
39-17-5-0099-0071 TRNSF ST/INDIRECT COST	0.00	0.00

City of Ironton
Water Fund - 39

	2025 Projections	2026 Projections
39-17-5-0099-0081 TR.TO WATER T.EQUIP.REPL	210,000	210,000
39-17-5-0099-0155 SEVERENCE PAYABLE	0.00	0.00
39-19-5-0010-0001 SALARIES DISTRIBUTION	248,681.17	256,141.61
39-19-5-0010-0002 OVERTIME PAY	13,258.49	13,656.25
39-19-5-0010-0004 MEDICARE - EMPLOYER SHARE	3,849.24	3,964.72
39-19-5-0010-0005 RETIREMENT - EMPLOYER SHARE	36,624.06	37,722.78
39-19-5-0010-0006 HOSPITALIZATION	161,195.37	166,031.23
39-19-5-0010-0008 WORKERS COMPENSATION	4,862.20	5,008.06
39-19-5-0010-0020 CLOTHING ALLOWANCE	4,051.83	4,173.39
39-19-5-0030-0016 CAPITAL IMPROVEMENTS	5,627.54	5,796.37
39-19-5-0030-0052 VEHICLE/EQUIP.PURCHASE	0.00	0.00
39-19-5-0040-0013 INSURANCE	2,960.09	3,048.89
39-19-5-0050-0011 UTILITIES	14,704.77	15,145.92
39-19-5-0050-0012 MAINTENANCE	10,371.56	10,682.71
39-19-5-0050-0021 FUEL	8,002.37	8,242.44
39-19-5-0050-0022 OPERATING EXPENSES	68,807.98	70,872.22
39-19-5-0060-0031 RETIREMENT OF BONDED INDEBTEDNES	13,440	13,440
39-19-5-0060-0032 RETIREMENT NOTED INDEBT.	0	0
39-19-5-0060-0063 RETIREMENT DEBT - O.W.D.A.	0	0
39-19-5-0099-0007 UNEMPLOYMENT	0.00	0.00
39-19-5-0099-0155 SEVERENCE PAYABLE	0.00	0.00
39-20-5-0010-0001 SALARIES	45,549.34	46,915.82
39-20-5-0010-0002 OVERTIME PAY	793.48	817.29
39-20-5-0010-0004 MEDICARE - EMPLOYER SHARE	669.68	689.77
39-20-5-0010-0005 RETIREMENT - EMPLOYER SHARE	6,460.42	6,654.23
39-20-5-0010-0006 HOSPITALIZATION	29,466.95	30,350.95
39-20-5-0010-0008 WORKERS COMPENSATION	838.50	863.66
39-20-5-0010-0020 CLOTHING ALLOWANCE	675.31	695.56
39-20-5-0030-0016 CAPITAL IMPROVEMENTS	0.00	0.00
39-20-5-0040-0013 INSURANCE	2,054.05	2,115.68
39-20-5-0050-0012 MAINTENANCE	3,421.55	3,524.19
39-20-5-0050-0021 FUEL	2,127.21	2,191.03
39-20-5-0050-0022 OPERATING EXPENSES	10,382.82	10,694.30
PMP Asset Management Plan Additional	91,588.00	91,588.00
SLA Replcement Asset Management Plan	107,885.00	141,410.00

**City of Ironton
Water Fund - 39**

	2025 Projections	2026 Projections
Capital Repalcement Additional	0.00	0.00
Emergency Escrow Additional	46,225.71	47,612.48
TOTAL EXPENDITURES	2,551,770.52	2,644,295.99
Annual Net Cash Position	1,541,264.77	1,587,688.40

**City of Ironton
Water Fund - 39**

	2027 Projections
Total Customers	4,340
Total Gallons Sold	230,000,000
Rate of Charge (Per 1,000 Gal.)	\$10.66
Administration Fee	\$3.07
Median Household Income	\$37,521
	Avg. 4,500 gal. Mo. Bill
Charge to Typical 4,500 GPM Customer	\$45.72
	Affordability Index Percentage
Affordability Index Percentage	1.46%

Water Equipment Replacement Fund 71

Cash Total	\$892,857.95
Annual Encumbered Expenditure	\$200,489.00
Unencumbered Balance	\$692,368.95

WATER FUND

39-00-0-0000-1000	WATER FUND	
39-00-0-0000-1010	WATER FUND	
	TOTAL CASH	1,587,688
39-00-5-0020-0111	STATE GRANT	0.00
39-00-5-0020-0117	PROCEEDS FROM FEMA	0.00
39-00-5-0020-0154	PREMIUM REFUND-BWC	0.00
39-00-5-0070-0024	REIMBURSEMENTS	35,415.00
39-00-5-0070-0154	PREMIUM REFUND-BWC	0.00
39-00-6-0060-0069	TRANSFER FROM WTPERF	0.00
39-00-7-0090-0038	FEE	160,129.58
39-00-7-0090-0039	NEW SERVICE	78,835.00
39-00-7-0090-0041	SALE OF WATER	\$2,452,042.73
39-00-7-0090-0073	HAULING WATER	0.00
39-00-7-0090-0151	DEPOSITS ON ACCOUNT	0.00

**City of Ironton
Water Fund - 39**

2027 Projections

39-00-7-0090-0401	OFF / ON	34,675.00
39-00-8-0100-0019	BOND PROCEEDS	0.00
39-00-8-0100-0026	SALE OF ASSETS	0.00
39-00-8-0100-0066	MISC.	5,000.00
39-00-9-0080-0012	INTEREST ON INVESTMENTS	705.00
39-00-9-0099-0082	ADVANCE FROM GENERAL FUND	0.00
	TOTAL REVENUE	2,766,802.31

**City of Ironton
Water Fund - 39**

2027 Projections

CASH BALANCE & RECEIPTS

4,354,490.71

ns

39-16-5-0010-0001	SALARIES	149,166.98
39-16-5-0010-0002	OVERTIME PAY	6,728.48
39-16-5-0010-0004	MEDICARE - EMPLOYER SHARE	2,298.55
39-16-5-0010-0005	RETIREMENT - EMPLOYER SHARE	21,791.45
39-16-5-0010-0006	HOSPITALIZATION	77,225.33
39-16-5-0010-0008	WORKERS COMPENSATION	2,901.55
39-16-5-0010-0020	CLOTHING ALLOWANCE	716.43
39-16-5-0020-0014	OFFICE SUPPLIES	12,292.77
39-16-5-0030-0016	CAPITAL IMPROVEMENTS	1,490.00
39-16-5-0040-0013	INSURANCE	0.00
39-16-5-0050-0011	UTILITIES	15,815.22
39-16-5-0050-0012	MAINTENANCE	3,397.08
39-16-5-0060-0032	RETIREMENT OF INDEBTEDNESS	0.00
39-16-5-0099-0007	UNEMPLOYMENT	0.00
39-16-5-0099-0018	COURT COSTS/SETTLEMENTS	0.00
39-16-5-0099-0034	REFUNDS	4,300.00
39-16-5-0099-0118	REIMB.GEN.FUND-INDIR.CST	156,385.00
39-16-5-0099-0155	SEVERENCE PAYABLE	0.00
39-17-5-0010-0001	SALARIES	340,370.58
39-17-5-0010-0002	OVERTIME PAY	35,517.09
39-17-5-0010-0004	MEDICARE - EMPLOYER SHARE	5,492.64
39-17-5-0010-0005	RETIREMENT - EMPLOYER SHARE	52,556.21
39-17-5-0010-0006	HOSPITALIZATION	149,704.31
39-17-5-0010-0008	WORKERS COMPENSATION	6,901.62
39-17-5-0010-0020	CLOTHING ALLOWANCE	3,797.09
39-17-5-0030-0016	CAPITAL IMPROVEMENTS	0.00
39-17-5-0030-0052	VEHICLE/EQUIP.PURCHASE	0.00
39-17-5-0040-0013	INSURANCE	19,809.33
39-17-5-0050-0011	UTILITIES	190,164.77
39-17-5-0050-0012	MAINTENANCE	7,970.30
39-17-5-0050-0021	FUEL	4,620.98
39-17-5-0050-0022	OPERATING EXPENSES	171,143.52
39-17-5-0060-0032	RETIREMENT OF INDEBTEDNESS	0

City of Ironton
Water Fund - 39

2027 Projections

39-17-5-0060-0063	RETIRE.DEBT.-O.W.D.A.	0
39-17-5-0070-0039	PROFESSIONAL SERVICES	29,851.31
39-17-5-0099-0007	UNEMPLOYMENT	0.00
39-17-5-0099-0071	TRNSF ST/INDIRECT COST	0.00

**City of Ironton
Water Fund - 39**

2027 Projections

39-17-5-0099-0081	TR.TO WATER T.EQUIP.REPL	210,000
39-17-5-0099-0155	SEVERENCE PAYABLE	0.00
39-19-5-0010-0001	SALARIES DISTRIBUTION	263,825.85
39-19-5-0010-0002	OVERTIME PAY	14,065.94
39-19-5-0010-0004	MEDICARE - EMPLOYER SHARE	4,083.66
39-19-5-0010-0005	RETIREMENT - EMPLOYER SHARE	38,854.46
39-19-5-0010-0006	HOSPITALIZATION	171,012.17
39-19-5-0010-0008	WORKERS COMPENSATION	5,158.31
39-19-5-0010-0020	CLOTHING ALLOWANCE	4,298.59
39-19-5-0030-0016	CAPITAL IMPROVEMENTS	5,970.26
39-19-5-0030-0052	VEHICLE/EQUIP.PURCHASE	0.00
39-19-5-0040-0013	INSURANCE	3,140.36
39-19-5-0050-0011	UTILITIES	15,600.29
39-19-5-0050-0012	MAINTENANCE	11,003.19
39-19-5-0050-0021	FUEL	8,489.71
39-19-5-0050-0022	OPERATING EXPENSES	72,998.39
39-19-5-0060-0031	RETIREMENT OF BONDED INDEBTEDNES	13,440
39-19-5-0060-0032	RETIREMENT NOTED INDEBT.	0
39-19-5-0060-0063	RETIREMENT DEBT - O.W.D.A.	0
39-19-5-0099-0007	UNEMPLOYMENT	0.00
39-19-5-0099-0155	SEVERENCE PAYABLE	0.00
39-20-5-0010-0001	SALARIES	48,323.30
39-20-5-0010-0002	OVERTIME PAY	841.81
39-20-5-0010-0004	MEDICARE - EMPLOYER SHARE	710.46
39-20-5-0010-0005	RETIREMENT - EMPLOYER SHARE	6,853.86
39-20-5-0010-0006	HOSPITALIZATION	31,261.48
39-20-5-0010-0008	WORKERS COMPENSATION	889.57
39-20-5-0010-0020	CLOTHING ALLOWANCE	716.43
39-20-5-0030-0016	CAPITAL IMPROVEMENTS	0.00
39-20-5-0040-0013	INSURANCE	2,179.15
39-20-5-0050-0012	MAINTENANCE	3,629.92
39-20-5-0050-0021	FUEL	2,256.76
39-20-5-0050-0022	OPERATING EXPENSES	11,015.13
	PMP Asset Management Plan Additional	91,588.00
	SLA Replcement Asset Management Plan	141,410.00

**City of Ironton
Water Fund - 39**

2027 Projections

Capital Repalcement Additional
Emergency Escrow Additional
TOTAL EXPENDITURES

0.00
49,040.85
2,705,066.48

Annual Net Cash Position

1,649,424.23

**City of Ironton
Water Fund - 39**

	2028 Projections	2029 Projections
Total Customers	4,340	4,340
Total Gallons Sold	230,000,000	230,000,000
Rate of Charge (Per 1,000 Gal.)	\$10.98	\$11.31
Administration Fee	\$3.17	\$3.26
Median Household Income	\$37,896	\$38,275
Avg. 4,500 gal. Mo. Bill		Avg. 4,500 gal. Mo. Bill
Charge to Typical 4,500 GPM Customer	\$47.09	\$48.50
Affordability Index Percentage	1.49%	Affordability Index Percentage
Affordability Index Percentage		1.52%

Water Equipment Replacement Fund 71

Cash Total	\$902,368.95	\$911,879.95
Annual Encumbered Expenditure	\$200,489.00	\$200,489.00
Unencumbered Balance	\$701,879.95	\$711,390.95

WATER FUND

39-00-0-0000-1000	WATER FUND		
39-00-0-0000-1010	WATER FUND		
	TOTAL CASH	1,649,424	1,726,932
39-00-5-0020-0111	STATE GRANT	0.00	0.00
39-00-5-0020-0117	PROCEEDS FROM FEMA	0.00	0.00
39-00-5-0020-0154	PREMIUM REFUND-BWC	0.00	0.00
39-00-5-0070-0024	REIMBURSEMENTS	35,415.00	35,415.00
39-00-5-0070-0154	PREMIUM REFUND-BWC	0.00	0.00
39-00-6-0060-0069	TRANSFER FROM WTPERF	0.00	0.00
39-00-7-0090-0038	FEE	164,933.46	169,881.47
39-00-7-0090-0039	NEW SERVICE	78,835.00	78,835.00
39-00-7-0090-0041	SALE OF WATER	\$2,525,604.01	\$2,601,372.13
39-00-7-0090-0073	HAULING WATER	0.00	0.00
39-00-7-0090-0151	DEPOSITS ON ACCOUNT	0.00	0.00

**City of Ironton
Water Fund - 39**

	2028 Projections	2029 Projections
39-00-7-0090-0401 OFF / ON	34,675.00	34,675.00
39-00-8-0100-0019 BOND PROCEEDS	0.00	0.00
39-00-8-0100-0026 SALE OF ASSETS	0.00	0.00
39-00-8-0100-0066 MISC.	5,000.00	5,000.00
39-00-9-0080-0012 INTEREST ON INVESTMENTS	705.00	705.00
39-00-9-0099-0082 ADVANCE FROM GENERAL FUND	0.00	0.00
TOTAL REVENUE	2,845,167.48	2,925,883.60

**City of Ironton
Water Fund - 39**

		2028 Projections	2029 Projections
CASH BALANCE & RECEIPTS		4,494,591.71	4,652,815.22
39-16-5-0010-0001	SALARIES	153,641.99	158,251.25
39-16-5-0010-0002	OVERTIME PAY	6,930.34	7,138.25
39-16-5-0010-0004	MEDICARE - EMPLOYER SHARE	2,367.51	2,438.53
39-16-5-0010-0005	RETIREMENT - EMPLOYER SHARE	22,445.20	23,118.55
39-16-5-0010-0006	HOSPITALIZATION	79,542.09	81,928.36
39-16-5-0010-0008	WORKERS COMPENSATION	2,988.59	3,078.25
39-16-5-0010-0020	CLOTHING ALLOWANCE	737.92	760.06
39-16-5-0020-0014	OFFICE SUPPLIES	12,661.55	13,041.40
39-16-5-0030-0016	CAPITAL IMPROVEMENTS	1,490.00	1,490.00
39-16-5-0040-0013	INSURANCE	0.00	0.00
39-16-5-0050-0011	UTILITIES	16,289.68	16,778.37
39-16-5-0050-0012	MAINTENANCE	3,498.99	3,603.96
39-16-5-0060-0032	RETIREMENT OF INDEBTEDNESS	0.00	0.00
39-16-5-0099-0007	UNEMPLOYMENT	0.00	0.00
39-16-5-0099-0018	COURT COSTS/SETTLEMENTS	0.00	0.00
39-16-5-0099-0034	REFUNDS	4,300.00	4,300.00
39-16-5-0099-0118	REIMB.GEN.FUND-INDIR.CST	156,385.00	156,385.00
39-16-5-0099-0155	SEVERENCE PAYABLE	0.00	0.00
39-17-5-0010-0001	SALARIES	350,581.69	361,099.15
39-17-5-0010-0002	OVERTIME PAY	36,582.60	37,680.08
39-17-5-0010-0004	MEDICARE - EMPLOYER SHARE	5,657.42	5,827.14
39-17-5-0010-0005	RETIREMENT - EMPLOYER SHARE	54,132.90	55,756.89
39-17-5-0010-0006	HOSPITALIZATION	154,195.44	158,821.30
39-17-5-0010-0008	WORKERS COMPENSATION	7,108.67	7,321.93
39-17-5-0010-0020	CLOTHING ALLOWANCE	3,911.00	4,028.33
39-17-5-0030-0016	CAPITAL IMPROVEMENTS	0.00	0.00
39-17-5-0030-0052	VEHICLE/EQUIP.PURCHASE	0.00	0.00
39-17-5-0040-0013	INSURANCE	20,403.61	21,015.72
39-17-5-0050-0011	UTILITIES	195,869.71	201,745.80
39-17-5-0050-0012	MAINTENANCE	8,209.41	8,455.69
39-17-5-0050-0021	FUEL	4,759.61	4,902.40
39-17-5-0050-0022	OPERATING EXPENSES	176,277.82	181,566.16
39-17-5-0060-0032	RETIREMENT OF INDEBTEDNESS	0	0

City of Ironton
Water Fund - 39

	2028 Projections	2029 Projections
39-17-5-0060-0063 RETIRE.DEBT.-O.W.D.A.	0	0
39-17-5-0070-0039 PROFESSIONAL SERVICES	30,746.85	31,669.25
39-17-5-0099-0007 UNEMPLOYMENT	0.00	0.00
39-17-5-0099-0071 TRNSF ST/INDIRECT COST	0.00	0.00

City of Ironton
Water Fund - 39

	2028 Projections	2029 Projections
39-17-5-0099-0081 TR.TO WATER T.EQUIP.REPL	210,000	210,000
39-17-5-0099-0155 SEVERENCE PAYABLE	0.00	0.00
39-19-5-0010-0001 SALARIES DISTRIBUTION	271,740.63	279,892.85
39-19-5-0010-0002 OVERTIME PAY	14,487.91	14,922.55
39-19-5-0010-0004 MEDICARE - EMPLOYER SHARE	4,206.17	4,332.35
39-19-5-0010-0005 RETIREMENT - EMPLOYER SHARE	40,020.10	41,220.70
39-19-5-0010-0006 HOSPITALIZATION	176,142.54	181,426.81
39-19-5-0010-0008 WORKERS COMPENSATION	5,313.06	5,472.45
39-19-5-0010-0020 CLOTHING ALLOWANCE	4,427.55	4,560.37
39-19-5-0030-0016 CAPITAL IMPROVEMENTS	6,149.37	6,333.85
39-19-5-0030-0052 VEHICLE/EQUIP.PURCHASE	0.00	0.00
39-19-5-0040-0013 INSURANCE	3,234.57	3,331.61
39-19-5-0050-0011 UTILITIES	16,068.30	16,550.35
39-19-5-0050-0012 MAINTENANCE	11,333.29	11,673.29
39-19-5-0050-0021 FUEL	8,744.40	9,006.74
39-19-5-0050-0022 OPERATING EXPENSES	75,188.34	77,443.99
39-19-5-0060-0031 RETIREMENT OF BONDED INDEBTEDNES	13,440	13,440
39-19-5-0060-0032 RETIREMENT NOTED INDEBT.	0	0
39-19-5-0060-0063 RETIREMENT DEBT - O.W.D.A.	0	0
39-19-5-0099-0007 UNEMPLOYMENT	0.00	0.00
39-19-5-0099-0155 SEVERENCE PAYABLE	0.00	0.00
39-20-5-0010-0001 SALARIES	49,773.00	51,266.19
39-20-5-0010-0002 OVERTIME PAY	867.06	893.07
39-20-5-0010-0004 MEDICARE - EMPLOYER SHARE	731.77	753.73
39-20-5-0010-0005 RETIREMENT - EMPLOYER SHARE	7,059.48	7,271.26
39-20-5-0010-0006 HOSPITALIZATION	32,199.33	33,165.31
39-20-5-0010-0008 WORKERS COMPENSATION	916.26	943.74
39-20-5-0010-0020 CLOTHING ALLOWANCE	737.92	760.06
39-20-5-0030-0016 CAPITAL IMPROVEMENTS	0.00	0.00
39-20-5-0040-0013 INSURANCE	2,244.52	2,311.86
39-20-5-0050-0012 MAINTENANCE	3,738.82	3,850.98
39-20-5-0050-0021 FUEL	2,324.46	2,394.20
39-20-5-0050-0022 OPERATING EXPENSES	11,345.59	11,685.95
PMP Asset Management Plan Additional	91,588.00	91,588.00
SLA Replcement Asset Management Plan	141,410.00	141,410.00

**City of Ironton
Water Fund - 39**

	2028 Projections	2029 Projections
Capital Repalcement Additional	0.00	0.00
Emergency Escrow Additional	50,512.08	0.00
TOTAL EXPENDITURES	2,767,660.09	2,780,104.06
Annual Net Cash Position	1,726,931.62	1,872,711.17

**City of Ironton
Water Fund - 39**

2030 Projections

Total Customers	4,340
Total Gallons Sold	230,000,000
Rate of Charge (Per 1,000 Gal.)	\$11.65
Administration Fee	\$3.36
Median Household Income	\$38,658
	Avg. 4,500 gal. Mo. Bill
Charge to Typical 4,500 GPM Customer	\$49.96
	Affordability Index Percentage
Affordability Index Percentage	1.55%

Water Equipment Replacement Fund 71

Cash Total	\$921,390.95
Annual Encumbered Expenditure	\$200,489.00
Unencumbered Balance	\$720,901.95

WATER FUND

39-00-0-0000-1000	WATER FUND	
39-00-0-0000-1010	WATER FUND	
	TOTAL CASH	1,872,711
39-00-5-0020-0111	STATE GRANT	0.00
39-00-5-0020-0117	PROCEEDS FROM FEMA	0.00
39-00-5-0020-0154	PREMIUM REFUND-BWC	0.00
39-00-5-0070-0024	REIMBURSEMENTS	35,415.00
39-00-5-0070-0154	PREMIUM REFUND-BWC	0.00
39-00-6-0060-0069	TRANSFER FROM WTPERF	0.00
39-00-7-0090-0038	FEE	174,977.91
39-00-7-0090-0039	NEW SERVICE	78,835.00
39-00-7-0090-0041	SALE OF WATER	\$2,679,413.30
39-00-7-0090-0073	HAULING WATER	0.00
39-00-7-0090-0151	DEPOSITS ON ACCOUNT	0.00

**City of Ironton
Water Fund - 39**

2030 Projections

39-00-7-0090-0401	OFF / ON	34,675.00
39-00-8-0100-0019	BOND PROCEEDS	0.00
39-00-8-0100-0026	SALE OF ASSETS	0.00
39-00-8-0100-0066	MISC.	5,000.00
39-00-9-0080-0012	INTEREST ON INVESTMENTS	705.00
39-00-9-0099-0082	ADVANCE FROM GENERAL FUND	0.00
	TOTAL REVENUE	3,009,021.21

City of Ironton
Water Fund - 39

2030 Projections

CASH BALANCE & RECEIPTS

4,881,732.38

39-16-5-0010-0001	SALARIES	162,998.79
39-16-5-0010-0002	OVERTIME PAY	7,352.40
39-16-5-0010-0004	MEDICARE - EMPLOYER SHARE	2,511.69
39-16-5-0010-0005	RETIREMENT - EMPLOYER SHARE	23,812.11
39-16-5-0010-0006	HOSPITALIZATION	84,386.21
39-16-5-0010-0008	WORKERS COMPENSATION	3,170.60
39-16-5-0010-0020	CLOTHING ALLOWANCE	782.86
39-16-5-0020-0014	OFFICE SUPPLIES	13,432.64
39-16-5-0030-0016	CAPITAL IMPROVEMENTS	1,490.00
39-16-5-0040-0013	INSURANCE	0.00
39-16-5-0050-0011	UTILITIES	17,281.72
39-16-5-0050-0012	MAINTENANCE	3,712.08
39-16-5-0060-0032	RETIREMENT OF INDEBTEDNESS	0.00
39-16-5-0099-0007	UNEMPLOYMENT	0.00
39-16-5-0099-0018	COURT COSTS/SETTLEMENTS	0.00
39-16-5-0099-0034	REFUNDS	4,300.00
39-16-5-0099-0118	REIMB.GEN.FUND-INDIR.CST	156,385.00
39-16-5-0099-0155	SEVERENCE PAYABLE	0.00
39-17-5-0010-0001	SALARIES	371,932.12
39-17-5-0010-0002	OVERTIME PAY	38,810.48
39-17-5-0010-0004	MEDICARE - EMPLOYER SHARE	6,001.96
39-17-5-0010-0005	RETIREMENT - EMPLOYER SHARE	57,429.59
39-17-5-0010-0006	HOSPITALIZATION	163,585.94
39-17-5-0010-0008	WORKERS COMPENSATION	7,541.59
39-17-5-0010-0020	CLOTHING ALLOWANCE	4,149.18
39-17-5-0030-0016	CAPITAL IMPROVEMENTS	0.00
39-17-5-0030-0052	VEHICLE/EQUIP.PURCHASE	0.00
39-17-5-0040-0013	INSURANCE	21,646.19
39-17-5-0050-0011	UTILITIES	207,798.18
39-17-5-0050-0012	MAINTENANCE	8,709.36
39-17-5-0050-0021	FUEL	5,049.47
39-17-5-0050-0022	OPERATING EXPENSES	187,013.14
39-17-5-0060-0032	RETIREMENT OF INDEBTEDNESS	0

City of Ironton
Water Fund - 39

2030 Projections

39-17-5-0060-0063	RETIRE.DEBT.-O.W.D.A.	0
39-17-5-0070-0039	PROFESSIONAL SERVICES	32,619.33
39-17-5-0099-0007	UNEMPLOYMENT	0.00
39-17-5-0099-0071	TRNSF ST/INDIRECT COST	0.00

City of Ironton
Water Fund - 39

2030 Projections

39-17-5-0099-0081	TR.TO WATER T.EQUIP.REPL	210,000
39-17-5-0099-0155	SEVERENCE PAYABLE	0.00
39-19-5-0010-0001	SALARIES DISTRIBUTION	288,289.63
39-19-5-0010-0002	OVERTIME PAY	15,370.23
39-19-5-0010-0004	MEDICARE - EMPLOYER SHARE	4,462.32
39-19-5-0010-0005	RETIREMENT - EMPLOYER SHARE	42,457.32
39-19-5-0010-0006	HOSPITALIZATION	186,869.62
39-19-5-0010-0008	WORKERS COMPENSATION	5,636.62
39-19-5-0010-0020	CLOTHING ALLOWANCE	4,697.18
39-19-5-0030-0016	CAPITAL IMPROVEMENTS	6,523.87
39-19-5-0030-0052	VEHICLE/EQUIP.PURCHASE	0.00
39-19-5-0040-0013	INSURANCE	3,431.55
39-19-5-0050-0011	UTILITIES	17,046.86
39-19-5-0050-0012	MAINTENANCE	12,023.48
39-19-5-0050-0021	FUEL	9,276.94
39-19-5-0050-0022	OPERATING EXPENSES	79,767.31
39-19-5-0060-0031	RETIREMENT OF BONDED INDEBTEDNES	13,440
39-19-5-0060-0032	RETIREMENT NOTED INDEBT.	0
39-19-5-0060-0063	RETIREMENT DEBT - O.W.D.A.	0
39-19-5-0099-0007	UNEMPLOYMENT	0.00
39-19-5-0099-0155	SEVERENCE PAYABLE	0.00
39-20-5-0010-0001	SALARIES	52,804.17
39-20-5-0010-0002	OVERTIME PAY	919.87
39-20-5-0010-0004	MEDICARE - EMPLOYER SHARE	776.34
39-20-5-0010-0005	RETIREMENT - EMPLOYER SHARE	7,489.40
39-20-5-0010-0006	HOSPITALIZATION	34,160.27
39-20-5-0010-0008	WORKERS COMPENSATION	972.06
39-20-5-0010-0020	CLOTHING ALLOWANCE	782.86
39-20-5-0030-0016	CAPITAL IMPROVEMENTS	0.00
39-20-5-0040-0013	INSURANCE	2,381.21
39-20-5-0050-0012	MAINTENANCE	3,966.51
39-20-5-0050-0021	FUEL	2,466.02
39-20-5-0050-0022	OPERATING EXPENSES	12,036.53
	PMP Asset Management Plan Additional	91,588.00
	SLA Replacment Asset Management Plan	141,410.00

**City of Ironton
Water Fund - 39**

2030 Projections

Capital Repalcement Additional
Emergency Escrow Additional
TOTAL EXPENDITURES

0.00
0.00

2,844,948.79

Annual Net Cash Position

2,036,783.59