



ANNUAL BUDGET

FISCAL YEAR 2021-2022

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Grant Piper,	Underground Facilities
Nolan Townsend,	Wastewater Treatment
Travis Boss,	Water Treatment

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WATER TREATMENT PLANT	
Major Capital Improvements	
Replace Filter Effluent Valves and Actuators 10"	\$ 55,000
Replace Filter Effluent Valves and Actuators 16"	60,000
Replace Exterior Doors	25,000
Replace Weight Belt Feeder on Slaker #3	40,000
Replace Truck 206	30,000
Replace Truck 207	40,000
Replace Utility Task Vehicle (UTV)	25,000
Main Bearing Replacement #2 Primary Basin	30,000
Main Bearing Replacement #3 Primary Basin	45,000
Filter Media Replacement	122,000
Recurring Capital Improvements	
Well Treatment & Maintenance	55,000
Total	\$ 527,000

Replace Filter Effluent Valves and Actuators 10" (Carryover 2021)

Budget: \$55,000

Purpose: The filter effluent valves are leaking and will no longer completely seal. The valves are allowing water to continue to flow out of the filters.

Duration: Anticipated completion in 2022

Replace Filter Effluent Valves and Actuators 16" (Carryover 2021)

Budget: \$60,000

Purpose: The filter effluent valves are leaking and will no longer completely seal. The valves are allowing water to continue to flow out of the filters.

Duration: Anticipated completion in 2022

Replace Exterior Doors (Bids Rejected 2021)

Budget: \$25,000

Purpose: Multiple exterior doors and door frames have deteriorated and need to be replaced. The project will consist of replacing eight doors, (4 double doors & 4 single doors) on the original water treatment plant building. One single door on the disinfection building and one single door on the #3 sludge pump building.

Duration: Anticipated completion in 2022

Replace Weight Belt Feeder on Slaker #3 (Carryover 2021)

Budget: \$40,000

Purpose: Slaker #3 is our oldest slaker. We have had several issues with the weight belt feeder with the belt traveling and getting out of line. With replacing this feeder, it will be comparable to the other two slakers that have been replaced.

Duration: Anticipated completion in 2022

Replace Truck 206 (Carryover 2021)

Budget: \$30,000

Purpose: The truck is a 2010 Ford F-150, half-ton 4x2 pick-up. We would like to replace this truck with a half-ton 4x4 pick-up. The old truck can be sold or used by another department.

Duration: Anticipated purchase in 2022

Replace Truck 207 (Carryover 2021)

Budget: \$40,000

Purpose: The truck is a 2005 Ford F-250, 3/4-ton 4x2 pick-up. We would like to replace this truck with a 3/4-ton 4x4 pick-up. The old truck can be sold or used by another department.

Duration: Anticipated purchase in 2022

Replace Utility Task Vehicle (UTV)

Budget: \$25,000

Purpose: The UTV is a 2003 John Deere Gator. We would like to replace this UTV with a new UTV equipped with a cab and snowblade. This unit would be used year-round for various tasks around the plant and would provide transportation and hauling while conducting soil sampling. The old gator can be sold or used by another department.

Duration: Anticipated purchase in 2022

Main Bearing Replacement #2 Primary Basin

Budget: \$30,000

Purpose: The primary basin #2 was added in the mid-1960's expansion. The basin is equipped with an oil bath main which can be troublesome in a water treatment plant. It would be replaced with a greaseable main bearing.

Duration: Anticipated completion in 2022

Main Bearing Replacement #3 Primary Basin

Budget: \$45,000

Purpose: The primary basin #3 was added in the 1977 expansion. The basin is equipped with an oil bath main which can be troublesome in a water treatment plant. It would be replaced with a greaseable main bearing.

Duration: Anticipated completion in 2022

Filter Media Replacement

Budget: \$122,000

Purpose: The water treatment plant has five multi-media filters. Filters #1 & #2 are from the original plant construction and have only been cleaned in 2011. Filter #3 is from the 1963 expansion and was cleaned in 2011. Filters #4 & #5 were added in 1977 and the media was replaced in 2011. We plan to replace the media on two filters in 2022.

Duration: Anticipated completion in 2022

Well Treatment & Maintenance

Budget: \$55,000

Purpose: We will treat five wells and pull two for inspection and repair. This project has lengthened the life of our wells and maintained the product of said wells at almost new levels.

Duration: Annually

WATER DISTRIBUTION	
Major Capital Improvements	
Repaint Water Tower Wet Interior	\$ 120,000
North Street Pump Station	500,000
Remove Number Two Reservoir	100,000
Replace Vacuum Excavator	70,000
Replace Truck #215	70,000
Replace Truck #504	70,000
Replace Sterling Dump Truck #219	120,000
Park Ave, Sand Hollow to Vest 12" Water Main Replacement	200,000
6" Water Main Replacement on Clara, Benton to Grant	47,000
Total	\$ 1,297,000

Repaint Water Tower Wet Interior (Carryover 2021)

Budget: \$120,000

Purpose: The tower was drained, cleaned, and inspected in 2017. All repairs were made and the coating was touched up. Upon inspection it was recommended the interior be sand blasted and recoated in the next few years. The tank would be cleaned, inspected, and recoated by an outside contractor.

Duration: Anticipated completion in 2022

North Street Pump Station

Budget: \$500,000

Purpose: Burns & McDonnell was selected as the Engineer for this project in March 2021. The pump station was constructed in 1945 and has been operating on a daily basis. It can operate alone or with Miami Pump station. The last renovation of pumps, motors, air system, and electrical controls was in 1989.

Duration: Ongoing

Remove Number Two Reservoir (Carryover 2020)

Budget: \$100,000

Purpose: With the THM reduction improvements complete, the number two reservoir needs to be taken out of service. Once the reservoir is taken out of service and drained, it should never need to be put back into service.

Duration: Anticipated completion in 2022

Replace Vacuum Excavator (Carryover 2021)

Budget: \$70,000

Purpose: The current unit is a 2008 model with 1,116 hours. This is the oldest of two machines and is starting to have mechanical and structural issues. The old unit would be traded or sold out right.

Duration: Anticipated purchase in 2022

Replace Truck 215

Budget: \$70,000

Purpose: The truck is a 2008 Ford F-450 4x4 with Knapheide utility bed. We would like to replace this truck with a similar 4x4 model. The old truck can be sold or used by another department.

Duration: Anticipated purchase in 2022

Replace Truck 504**Budget:** \$70,000**Purpose:** The truck is a 2008 Ford F-450, 4x4 pick-up. We would like to replace this truck with a similar 4x4 model. The old truck can be sold or used by another department.**Duration:** Anticipated purchase in 2022**Replace Sterling Dump Truck #219****Budget:** \$120,000**Purpose:** This is a 2000 Sterling L9511 dump truck used by underground facilities. We would like to replace this with a similar model. The old dump truck would be sold or used by the wastewater plant.**Duration:** Anticipated purchase in 2022**Park Ave, Sand Hollow to Vest 12" Water Main Replacement****Budget:** \$200,000**Purpose:** This 12" water main was installed in 1971 from East Eastwood St, going south to the bottom of the hill in the Sand Hollow area. This project will extend the original water main with a new 12" water main, continuing south to East Vest St. This will provide a two-way feed to customers on N. Park Ave, and the east end of East Eastwood St. This will also eliminate a dead end and improve flows throughout the area.**Duration:** Anticipated completion in 2022**6" Water Main Replacement on Clara, Benton to Grant****Budget:** \$47,000**Purpose:** The 6" cast iron water main on West Clara is in poor condition, and has failed several times over the past years. The new 6" C900 water main will replace the old deteriorating main. This project is included in our current Owner Supervised Plan. This project will consist of approximately, 700 feet of 6" C900 (PVC) water main and 4"- 6" gate valves.**Duration:** Anticipated completion in 2022

ELECTRIC PRODUCTION		
Major Capital Improvements		
Cover Over Loading Dock	\$	30,000
NESHAP RICE Testing		15,000
Unit 10 & 11 Lighting Replacement		35,000
Building over Fogger/RO System at Unit 6		16,000
Truck Scale		92,000
Total	\$	188,000

Cover Over Loading Dock (Carryover 2020)

Budget: \$30,000

Purpose: The loading dock sits on an incline and is outdoors and exposed to the elements. During rain and winter weather there is an issue with the dock becoming very slick. This is problematic operating the forklift on this surface. Covering this area would significantly improve safety while loading and unloading trailers in these conditions.

Duration: Anticipated completion in 2022

NESHAP RICE Testing

Budget: \$15,000

Purpose: This testing is required every 3 years for our reciprocating internal combustion engine generators. Units #7, #8, and #9 will be due for testing in May of 2022.

Duration: Anticipated completion in 2022

Unit 10 & 11 Lighting Replacement

Budget: \$35,000

Purpose: The lighting in the Unit 10 & 11 building is the old metal halide, which is very inefficient and they are located in areas that are difficult to access. Replacing the existing lighting with LED lighting will save on energy and also allow for relocation for easier access.

Duration: Anticipated completion in 2022

Building over Fogger/RO System at Unit 6

Budget: \$16,000

Purpose: The fogger at unit 6 has been kept under a carport, which doesn't protect it from the sun and rain very well and provides no protection from freezing. The RO system was inside the old Power Plant, but is now beside the fogger outside along with the treated water tank. Putting a building around this equipment will protect it from the elements and most importantly from freezing.

Duration: Anticipated completion in 2022

Truck Scale

Budget: \$92,000

Purpose: This scale was installed in 1996, and over the years the concrete pedestals which provide support for the load cells and scale have started developing several cracks in the concrete. We will need to either replace the entire scale or try to repair what is there. This scale is used primarily by the City Of Marshall's Municipal Services for the weighing of the trash trucks. This budget is for a new scale using outside contractors for installation.

Duration: Anticipated completion in 2022

ELECTRIC DISTRIBUTION	
Major Capital Improvements	
SE Substation New Transformer and 15kV switchgear	\$ 1,240,000
C-Substation Recloser Replacement and Maintenance	70,000
Gang Operated Switches	80,000
Convert Overhead in Walkway Easements to Underground	150,000
Replace Truck 301	40,000
Replace Truck 310	40,000
Contract Tree Trimming/Brush Spraying	150,000
Replace Greenlee Pipe Bender	8,000
Replace Broken Concrete	27,000
Update Electric System Study	80,000
Miami and Southeast Substation Battery Replacement	60,000
Total	<u><u>\$ 1,945,000</u></u>

SE Substation New Transformer and 15kV switchgear

Budget: \$1,240,000

Purpose: The Southeast Substation power transformer and medium voltage switchgear were installed in 1976. They are both reaching the end of their expected service life. This was identified in our 2017 Electric System Study by LD&B. We have discussed with LD&B and have decided the best option would be to add a second transformer and replace the existing gear. The cost to add a second unit would not be much higher than replacing the existing transformer and would add some benefits. The lead time for this type of transformer is around 65 weeks. If you add time for developing specifications and requesting bids we would be looking at around 80 weeks. The lead time for the switchgear would be around 35 weeks.

Duration: Ongoing

C-Substation Recloser Replacement and Maintenance (Carryover 2021)

Budget: \$70,000

Purpose: C-Sub has two oil filled reclosers with Cooper Form 6 controls. We plan to replace the reclosers with vacuum reclosers and will evaluate the controls. The form 6 controls came out around 2001 and have performed very well. We currently have six Form 6 controls in our system. We may look at upgrading the two controls in C-Sub to the Form 7 if available, or the SEL 651R. We also plan to inspect connections and replace post insulators while the sub is switched out.

Duration: Anticipated completion in 2022

Gang Operated Switch

Budget: \$80,000

Purpose: We need to hang two three phase gang operated switches to help with maintenance and power restoration. We plan to hang one on pole 7053 at the southeast corner of 240 and 65 Highway, and another on pole 4694 at the northwest corner of 240 and North Miami. This would tie Miami Substation 402B to West Substation 305B. The switches will be manual and operated by line personnel.

Duration: Anticipated completion in 2022

ELECTRIC DISTRIBUTION (Cont.)**Convert Overhead in Walkway Easements to Underground****Budget:** \$150,000

Purpose: This is a long-term project to convert single-phase overhead lines in walkway easements to underground. These lines are difficult to access, and cost more to maintain than overhead lines on the street and are a major tree trimming burden. Converting these lines to underground lowers future maintenance costs and eliminates the tree trimming burden and increases reliability.

Duration: Ongoing**Replace Truck #301****Budget:** \$40,000

Purpose: This truck is a 2006 half ton pickup with approximately 90,000 miles. It's used daily by the Electric Distribution Director. We would like to replace this unit with a similar unit. The old truck would then be used by another department or sold.

Duration: Anticipated purchase in 2022**Replace Truck #310****Budget:** \$40,000

Purpose: This truck is a 2006 half ton pickup with approximately 70,000 miles. It's used daily by the Electric Distribution Assistant Director. We would like to replace this unit with a similar unit. The old truck would then be used by another department or sold.

Duration: Anticipated purchase in 2022**Contract Tree Trimming/Brush Spraying****Budget:** \$150,000

Purpose: MMU currently has a three-year contract with Poor Boy Tree Service Inc. through 2023. We plan to continue concentrating on three phase distribution lines along the streets with single phase along the streets and backyards. We would also like to continue focusing on areas that need sprayed for trees and brush. These areas are very difficult to access and mow.

Duration: Anticipated completion in 2022**Replace Greenlee Pipe Bender (Carryover 2021)****Budget:** \$8,000

Purpose: It's becoming more difficult to make precise bends with our electric conduit bender. This results in additional time and material to complete projects. We have also experienced problems with conduit deformation on some bends. We would like to replace our aging bender.

Duration: Anticipated purchase in 2022**Replace Broken Concrete (Carryover 2021)****Budget:** \$27,000

Purpose: The concrete located on the north side of the Electric Distribution Building at the employee entrance is in disrepair and needs to be replaced. This area has several cracks and is beginning to break up. There is settling that will need to be addressed also.

Duration: Anticipated completion in 2022

Update Electric System Study**Budget:** \$80,000

Purpose: Lutz Daily and Brain performed a comprehensive study of our electric system in 2017. It provides a detailed outlook of our system needs until 2041. The main focus of this plan was MMU's transmission line, substations, and generation. This plan should be reviewed every five years to maintain its accuracy and update costs due to inflation.

Duration: Anticipated completion in 2022

Miami and Southeast Substation Battery Replacement**Budget:** \$60,000

Purpose: The current battery bank at Miami and Southeast Substations were installed in January 2004. They have an average life expectancy of 20 years. These batteries provide reliable DC power for trip/close circuits, protective relaying and communication devices. Due to the critical function these batteries perform and the fact they are nearing end of life, we would like to replace the battery bank at Miami and Southeast Substation.

Duration: Anticipated completion in 2022

IT & BROADBAND	
Major Capital Improvements	
Broadband Grant #1	1,150,000
Broadband Grant #2	400,000
Fiber Installation Equipment	50,000
Reel Trailer	25,000
Replace Truck #511	30,000
New IT Truck	35,000
Replace Van #336	30,000
Total	<u>\$ 1,720,000</u>

Broadband Grant #1

Budget: \$1,150,000

Purpose: This is the first USDA loan/grant to get fiber to the Water Plant and most areas within two miles of Marshall city limits. Coleman's Plumbing was awarded to conduit install bid of \$592,000 in June 2021 which includes a total of 17 areas. Due to lead times, Coleman's Plumbing should have a couple months head start on the fiber crews. The fiber crews will then pull and splice fiber, with a goal of one area every six weeks. Easements from some areas will be necessary or expedient.

Duration: Ongoing

Broadband Grant #2

Budget: \$400,000

Purpose: In October 2021, MMU was awarded \$7,578,843 in grant funding for Broadband expansion into a majority of Saline County. MMU will need to spend \$2 million before using any grant funding. During fiscal year 2022 this will be spent on contracting for conduit installation.

Duration: Ongoing

Fiber Installation Equipment

Budget: \$50,000

Purpose: Once we get into pulling fiber in conduit for the grants, we may need to motorize more to keep up and reduce physical strains. This may go in the direction of purchasing fiber blowing equipment or in the direction of motorized capstans or tuggers. The budgeted amount should cover most of these scenarios.

Duration: Anticipated purchase in 2022

Reel Trailer

Budget: \$25,000

Purpose: May need to add an additional reel trailer if needed to keep up.

Duration: Anticipated purchase in 2022

Replace Truck 511 (Carryover 2021)

Budget: \$30,000

Purpose: The truck is a 1999 Ford 1/2-ton 4x2 pick-up. We would like to replace this truck with a 1/2-ton 4x4 pick-up. The old truck can be sold or used by another department.

Duration: Anticipated purchase in 2022

New IT Truck

Budget: \$35,000

Purpose: We would like to add a pick-up to be used by our IT staff for service calls and transporting materials.

Duration: Anticipated purchase in 2022

Replace Van #336

Budget: \$30,000

Purpose: This is a 2010 Ford cargo van used by the IT & Broadband Director. We would like to replace this van with a similar van. The old van will be sold or used by another department.

Duration: Anticipated purchase in 2022

WASTEWATER PLANT	
Major Capital Improvements	
Aeration Basin & Final Clarifiers	\$ 8,300,000
Replace Truck 413	30,000
Replace Truck 401	30,000
Filter Building Upper Roof Replacement	45,000
Headworks Pumps Re-Work	140,000
Crack Seal Asphalt	10,000
Total	\$ 8,555,000

Aeration Basin Repair and Final Clarifiers

Budget: \$8,300,000

Purpose: The concrete pads that the blowers sit on have settled over the past twenty years as much as four inches in places. This has caused problems with piping, for both air and water. The final clarifiers have substantial wear to bearings and drive gears. Burns & McDonnell are planning on starting construction in Spring of 2022, with completion of this project in early 2023.

Duration: Ongoing

Replace Truck 413 (Carryover 2021)

Budget: \$30,000

Purpose: Truck 413 is a 1999 F-150. This is our oldest pickup at the plant and it has significant rust and is showing its age. We would like to replace it with another 1/2-ton pickup with four wheel-drive.

Duration: Anticipated purchase in 2022

Replace Truck 401

Budget: \$30,000

Purpose: Truck #401 is a 2006 half-ton pickup used by Wastewater staff. We will be looking to replace it with another similar half-ton pickup. The old pickup will be sold or given to another department.

Duration: Anticipated purchase in 2022

Filter Building Upper Roof Replacement

Budget: \$45,000

Purpose: This roof was installed during the 1988 - 1993 upgrades to the Filter Building. In the past year it has started to develop a couple of small leaks. It is a rubber membrane roof. There are two exhaust fans and the lime silo to go around while installing the membrane.

Duration: Anticipated completion in 2022

Headworks Pump Re-Work

Budget: \$140,000

Purpose: The headworks pumps that were installed in 2012 have had several issues over the years. We are working with the original pump company, engineers, and some field reps to re-size our headworks pumps. This is needed to be sure we have the correct capacity that is needed during high flow events; as well as having the proper sized pumps to handle our average daily flows.

Duration: Anticipated completion in 2022

Crack Seal Asphalt

Budget: \$10,000

Purpose: The current driveway had a 2 inch overlay done in the summer of 2009 and it's starting to show some cracking in several areas. We are looking to have approximately 6,000 square yards of crack sealing done to help preserve the driveway now. We have talked with Municipal Services and they currently have a contract to have this type of work performed for around \$1 per square yard. It may be possible to us their contract to assist with having this done before year end.

Duration: Anticipated completion in 2022

WASTEWATER COLLECTION	
Major Capital Improvements	
Valves for Southwest Lift Station	\$ 20,000
CCTV Trailer & Camera Controls	31,000
Walk-Behind Concrete Saw	18,000
Inflow and Infiltration Assessment	125,000
Recurring Capital Improvements	
Sewer Main Replacement	300,000
Collection System Rehabilitation (CIPP)	150,000
Total	<u>\$ 644,000</u>

Valves for Southwest Lift Station (Carryover 2020)

Budget: \$20,000

Purpose: The valves on the two force mains are not working or sealing properly. The new valves would be installed by outside contractors. These valves are installed with special equipment without shutting down the lift stations. These valves will allow us to perform maintenance on the force mains.

Duration: Anticipated completion in 2022

CCTV Trailer & Camera Controls (Carryover 2021)

Budget: \$31,000

Purpose: The current unit was purchased in 2013 and is in need of frequent repairs. This item would include new controls and a new cable for the camera.

Duration: Anticipated purchase in 2022

Walk-Behind Concrete Saw (Carryover 2021)

Budget: \$18,000

Purpose: The open cut method of sewer main replacement is an annual project. The purchase of a walk behind concrete saw would improve safety and efficiency when cutting city streets for these projects.

Duration: Anticipated purchase in 2022

Sewer Main Replacement (Carryover 2021)

Budget: \$300,000

Purpose: We need to continue to replace some of the older sewer mains that cannot be improved by the Cured in Place Pipe (CIPP) method. These mains are often 6" and are in poor condition. We are trying to complete one or two main replacements each year with an estimated annual project cost of \$200,000 - \$300,000.

Duration: Ongoing

Collection System Rehabilitation (CIPP)

Budget: \$150,000

Purpose: We need to continue to improve the collection system with the Cured in Place Pipe (CIPP) method. This type of rehab will improve a main that is structurally sound with cracks, leaking joints, roots, and small holes, up to a main that is in excellent condition. This year we are planning to rehab mains from 6" up to 10". The CIPP project will be completed by outside contractors.

Duration: Ongoing

Inflow and Infiltration Assessment

Budget: \$125,000

Purpose: Based on qualifications we have selected Burns & McDonnell to evaluate and perform flow studies on our wastewater distribution system. The intention of having this study done is to identify areas within Marshall that are having significant inflow and infiltration.

Duration: Anticipated completion in 2022

ADMINISTRATION	
Major Capital Improvements	
Heaters for Warehouse	\$ 25,000
Drive-Thru Roof	15,000
Total	\$ 40,000

Heaters for Warehouse

Budget: \$25,000

Purpose: With the expansion of Broadband and limited space we are seeing more inventory and equipment stored on the west side of the warehouse. There is currently no heating on this side of the warehouse and it can become very cold over the winter months. We would like to install overhead heaters to keep this area warm during the winter season.

Duration: Anticipated completion in 2022

Drive-Thru Roof

Budget: \$15,000

Purpose: The original roof from 1990 was replaced in 2010. With the upgrades to the office building we would like to replace the white shingles with a darker 30 year architectural shingle.

Duration: Anticipated completion in 2022

DEPARTMENT BUDGET SUMMARY

Fiscal Years 2022-2026

<u>DEPARTMENT</u>	<u>TOTAL PROJECT COST</u>	<u>BUDGET 2022</u>	<u>BUDGET 2023</u>	<u>BUDGET 2024</u>	<u>BUDGET 2025</u>	<u>BUDGET 2026</u>
WATER TREATMENT PLANT	\$ 930,000	\$ 527,000	\$ 177,000	\$ 116,000	\$ 55,000	\$ 55,000
WATER DISTRIBUTION	5,511,000	1,297,000	1,542,000	750,000	922,000	1,000,000
WATER DEPARTMENT TOTAL	6,441,000	1,824,000	1,719,000	866,000	977,000	1,055,000
ELECTRIC PRODUCTION	619,000	188,000	106,000	-	305,000	20,000
ELECTRIC DISTRIBUTION	4,969,000	1,945,000	440,000	710,000	1,044,000	830,000
ELECTRIC DEPARTMENT TOTAL	5,588,000	2,133,000	546,000	710,000	1,349,000	850,000
WASTEWATER PLANT	11,481,000	8,555,000	975,000	425,000	776,000	750,000
WASTEWATER COLLECTION	1,550,000	644,000	156,000	150,000	150,000	450,000
WASTEWATER DEPARTMENT TOTAL	13,031,000	9,199,000	1,131,000	575,000	926,000	1,200,000
IT & BROADBAND DEPARTMENT	11,052,000	1,720,000	2,650,000	2,540,000	2,542,000	1,600,000
ADMINISTRATIVE DEPARTMENT	2,690,000	40,000	125,000	275,000	750,000	1,500,000
TOTAL	\$ 38,802,000	\$14,916,000	\$ 6,171,000	\$ 4,966,000	\$ 6,544,000	\$ 6,205,000

WATER DEPARTMENT BUDGET

Fiscal Years 2022-2026

<u>PROJECT</u>	<u>TOTAL COST</u>	<u>BUDGET 2022</u>	<u>BUDGET 2023</u>	<u>BUDGET 2024</u>	<u>BUDGET 2025</u>	<u>BUDGET 2026</u>
WATER TREATMENT PLANT						
Replace Filter Effluent Valves and Actuators on all Five Filters 10 Inch	\$ 55,000	\$ 55,000	\$ -	\$ -	\$ -	\$ -
Replace Filter Effluent Valves and Actuators on all Five Filters 16 Inch	60,000	60,000	-	-	-	-
Replace Exterior Doors	25,000	25,000	-	-	-	-
Replace Weight Belt Feeder on Slaker #3	40,000	40,000	-	-	-	-
Replace Truck 206	30,000	30,000	-	-	-	-
Replace Truck 207	40,000	40,000	-	-	-	-
Replace Utility Task Vehicle UTV	25,000	25,000	-	-	-	-
Main Bearing Replacement #2 Primary Basin	30,000	30,000	-	-	-	-
Main Bearing Replacement #2 Primary Basin	45,000	45,000	-	-	-	-
Filter Media Replacement	305,000	122,000	122,000	61,000	-	-
Annual Well Treatment	275,000	55,000	55,000	55,000	55,000	55,000
WATER TREATMENT PLANT TOTAL	930,000	527,000	177,000	116,000	55,000	55,000

WATER DISTRIBUTION

Repaint Water Tower Wet Interior	120,000	120,000	-	-	-	-
North Street Pump Station	2,000,000	500,000	1,000,000	500,000	-	-
Removal of Number Two Reservoir	100,000	100,000	-	-	-	-
Replace Vacuum Excavator	70,000	70,000	-	-	-	-
Replace Truck 215	70,000	70,000	-	-	-	-
Replace Truck 504	70,000	70,000	-	-	-	-
Replace Sterling Dump Truck	120,000	120,000	-	-	-	-
Park Ave, Sand Hollow to Vest 12" Water Main	200,000	200,000	-	-	-	-

WATER DEPARTMENT BUDGET

Fiscal Years 2022-2026

<u>PROJECT</u>	<u>TOTAL COST</u>	<u>BUDGET 2022</u>	<u>BUDGET 2023</u>	<u>BUDGET 2024</u>	<u>BUDGET 2025</u>	<u>BUDGET 2026</u>
WATER DISTRIBUTION (Cont.)						
6" Main Replacement on Clara From Benton to Grant	47,000	47,000	-	-	-	-
Replace 2011 CAT Backhoe	180,000	-	180,000	-	-	-
Replace Truck 520	42,000	-	42,000	-	-	-
6' Water Main Replacement on College at Lafayette West to Benton	225,000	-	225,000	-	-	-
OSP (Every 5 years)	25,000	-	25,000	-	-	-
Replace Mower	10,000	-	10,000	-	-	-
Clean #3 Reservoir	60,000	-	60,000	-	-	-
Replace Skid Steer	55,000	-	-	55,000	-	-
Cleaning #1 Reservoir	60,000	-	-	60,000	-	-
Replace Bobcat Mini	60,000	-	-	60,000	-	-
Replace Truck 201	25,000	-	-	25,000	-	-
Replace Truck 203	25,000	-	-	25,000	-	-
Replace Truck 322	25,000	-	-	25,000	-	-
Replace Truck 403	42,000	-	-	-	42,000	-
Replace Truck 404	25,000	-	-	-	25,000	-
Replace Truck 503	25,000	-	-	-	25,000	-
City Development Hab Center	300,000	-	-	-	300,000	-
Risk and Resilience Assessment	30,000	-	-	-	30,000	-
AMI Water Meters	1,500,000	-	-	-	500,000	1,000,000
WATER DISTRIBUTION TOTAL	5,511,000	1,297,000	1,542,000	750,000	922,000	1,000,000
WATER DEPARTMENT TOTAL	\$ 6,441,000	\$ 1,824,000	\$ 1,719,000	\$ 866,000	\$ 977,000	\$ 1,055,000

ELECTRIC DEPARTMENT BUDGET

Fiscal Years 2022-2026

<u>PROJECT</u>	<u>TOTAL COST</u>	<u>BUDGET 2022</u>	<u>BUDGET 2023</u>	<u>BUDGET 2024</u>	<u>BUDGET 2025</u>	<u>BUDGET 2026</u>
ELECTRIC PRODUCTION						
Cover Over Loading Dock	30,000	30,000	-	-	-	-
NESHAP RICE Testing Units 7, 8, and 9	30,000	15,000	-	-	15,000	-
Unit 10 & 11 Lighting Replacement	35,000	35,000	-	-	-	-
Building over Fogger/RO System at Unit 6	16,000	16,000	-	-	-	-
Truck Scales	92,000	92,000	-	-	-	-
Retrofit #4 Cooling Tower Basin for Storage	60,000	-	60,000	-	-	-
Forklift	10,000	-	10,000	-	-	-
Concrete at Recycle Center	36,000	-	36,000	-	-	-
Unit #6 Inspection	280,000	-	-	-	280,000	-
Electric Governors for Unit 10 & 11	20,000	-	-	-	-	20,000
Part 70 Operating Permit	10,000	-	-	-	10,000	-
ELECTRIC PRODUCTION TOTAL	619,000	188,000	106,000	-	305,000	20,000
ELECTRIC DISTRIBUTION						
Southeast Substation New Transformer 15 kV Switchgear	1,240,000	1,240,000	-	-	-	-
C-Substation Recloser Replacement and Maintenance	70,000	70,000	-	-	-	-
Gang Operated Switches	80,000	80,000	-	-	-	-
Convert Overhead Single Phase in Walkway Easements To Underground	750,000	150,000	150,000	150,000	150,000	150,000
Replace Truck 301	40,000	40,000	-	-	-	-
Replace Truck 310	40,000	40,000	-	-	-	-
Replace Greenlee Pipe Bender	8,000	8,000	-	-	-	-
Contract Tree Trimming	300,000	150,000	150,000	-	-	-

ELECTRIC DEPARTMENT BUDGET

Fiscal Years 2022-2026

<u>PROJECT</u>	<u>TOTAL COST</u>	<u>BUDGET 2022</u>	<u>BUDGET 2023</u>	<u>BUDGET 2024</u>	<u>BUDGET 2025</u>	<u>BUDGET 2026</u>
ELECTRIC DISTRIBUTION (Cont.)						
Replace Broken Concrete	27,000	27,000	-	-	-	-
Update System Study	80,000	80,000	-	-	-	-
Miami and South East Sub Battery Replacement	60,000	60,000	-	-	-	-
Pole Inspections	35,000	-	35,000	-	-	-
Replace Truck 318	35,000	-	35,000	-	-	-
Miami Substation Transformer Replacement	1,000,000	-	-	250,000	250,000	500,000
Miami 13.2 kV Breakers	750,000	-	-	250,000	500,000	-
Replace Truck 329	60,000	-	-	60,000	-	-
Southeast Substation Protection Maintenance	82,000	-	-	-	82,000	-
West Substation Protection Maintenance	62,000	-	-	-	62,000	-
Update Arc Hazard Study	70,000	-	70,000	-	-	-
Replace Truck 305	180,000	-	-	-	-	180,000
ELECTRIC DISTRIBUTION TOTAL	4,969,000	1,945,000	440,000	710,000	1,044,000	830,000
ELECTRIC DEPARTMENT TOTAL	\$ 5,588,000	\$ 2,133,000	\$ 546,000	\$ 710,000	\$ 1,349,000	\$ 850,000

IT & BROADBAND DEPARTMENT BUDGET

Fiscal Years 2022-2026

<u>PROJECT</u>	<u>TOTAL COST</u>	<u>BUDGET 2022</u>	<u>BUDGET 2023</u>	<u>BUDGET 2024</u>	<u>BUDGET 2025</u>	<u>BUDGET 2026</u>
IT & BROADBAND						
Broadband Grant 1	1,150,000	1,150,000	-	-	-	-
Broadband Grant 2	9,500,000	400,000	2,500,000	2,500,000	2,500,000	1,600,000
Fiber Installation Equipment	50,000	50,000	-	-	-	-
Reel Trailer	25,000	25,000	-	-	-	-
Replace Truck 511	30,000	30,000	-	-	-	-
New IT Truck	35,000	35,000	-	-	-	-
Replace Van 336	30,000	30,000	-	-	-	-
Replace Bucket Truck 342	150,000	-	150,000	-	-	-
Fiber Plow	40,000	-	-	40,000	-	-
Replace Fiber Truck 331	42,000	-	-	-	42,000	-
IT & BROADBAND TOTAL	\$ 11,052,000	\$ 1,720,000	\$ 2,650,000	\$ 2,540,000	\$ 2,542,000	\$ 1,600,000

WASTEWATER DEPARTMENT BUDGET

Fiscal Years 2022-2026

<u>PROJECT</u>	<u>TOTAL COST</u>	<u>BUDGET 2022</u>	<u>BUDGET 2023</u>	<u>BUDGET 2024</u>	<u>BUDGET 2025</u>	<u>BUDGET 2026</u>
WASTEWATER PLANT						
Aeration Basin / Final Clarifiers	\$ 9,100,000	\$ 8,300,000	\$ 800,000	\$ -	\$ -	\$ -
Replace Truck 413	30,000	30,000	-	-	-	-
Replace Truck 401	30,000	30,000	-	-	-	-
Filter Building Roof Replacement	45,000	45,000	-	-	-	-
Headworks Pump Re-Work	140,000	140,000	-	-	-	-
Crack Seal Asphalt	10,000	10,000	-	-	-	-
Replace Dump Truck 405	100,000	-	100,000	-	-	-
Asphalt Replacement & Overlay	75,000	-	75,000	-	-	-
Replace Waste Aeration Blowers	75,000	-	-	75,000	-	-
Replace Sludge Conveyor	350,000	-	-	350,000	-	-
Replace Truck 416	26,000	-	-	-	26,000	-
Replace Belt Filter Presses	1,500,000	-	-	-	750,000	750,000
WASTEWATER PLANT TOTAL	11,481,000	8,555,000	975,000	425,000	776,000	750,000
WASTEWATER COLLECTION						
Valves For Southwest Lift Station	20,000	20,000	-	-	-	-
CCTV Trailer & Camera Controls	31,000	31,000	-	-	-	-
Walk-Behind Concrete Saw	18,000	18,000	-	-	-	-
Sewer Main Replacement	300,000	300,000	-	-	-	-
Inflow and Infiltration Assessment	125,000	125,000	-	-	-	-
Cable for CCTV Trailer	6,000	-	6,000	-	-	-
Collection System Rehabilitation Using the Cured-In-Place Pipe CIPP Method	750,000	150,000	150,000	150,000	150,000	150,000
City Development Hab Center	300,000	-	-	-	-	300,000
WASTEWATER COLLECTION TOTAL	1,550,000	644,000	156,000	150,000	150,000	450,000
WASTEWATER DEPARTMENT TOTAL	\$ 13,031,000	\$ 9,199,000	\$ 1,131,000	\$ 575,000	\$ 926,000	\$ 1,200,000

ADMINISTRATIVE DEPARTMENT BUDGET

Fiscal Years 2022-2026

<u>PROJECT</u>	<u>TOTAL COST</u>	<u>BUDGET 2022</u>	<u>BUDGET 2023</u>	<u>BUDGET 2024</u>	<u>BUDGET 2025</u>	<u>BUDGET 2026</u>
ADMINISTRATION						
Heaters for Warehouse	\$ 25,000	\$ 25,000	\$ -	\$ -	\$ -	\$ -
Drive-Thru Roof	15,000	15,000	-	-	-	-
Replace Vehicle 415	25,000	-	25,000	-	-	-
Resurface Business Office Parking Lot	50,000	-	50,000	-	-	-
Electric Car Charge Stations	50,000	-	50,000	-	-	-
Replace Vehicle 335	25,000	-	-	25,000	-	-
New Office	2,500,000	-	-	250,000	750,000	1,500,000
ADMINISTRATION TOTAL	\$ 2,690,000	\$ 40,000	\$ 125,000	\$ 275,000	\$ 750,000	\$ 1,500,000

STATEMENT OF OPERATIONS - WATER

Fiscal Years Ending September 30

	Actual 2020	Estimated 2021	Budget 2021	Budget 2022	Budget % Difference
Operating Revenues:					
Residential	\$ 1,640,225	\$ 1,611,355	\$ 1,600,000	\$ 1,605,000	0.31%
Small General	192,516	204,391	203,000	203,000	0.00%
Large General	239,493	249,294	215,000	235,000	9.30%
Industrial	732,675	757,347	682,000	740,000	8.50%
Resale	908,452	901,599	865,000	895,000	3.47%
Commercial	329,582	322,718	340,000	320,000	-5.88%
Other	190,909	165,942	179,250	183,900	2.59%
Total Sales	4,233,852	4,212,646	4,084,250	4,181,900	2.39%
Other Operating Revenue	50,571	31,522	52,000	37,000	-28.85%
Total Operating Revenue	4,284,423	4,244,168	4,136,250	4,218,900	2.00%
Operating Expenses:					
Plant	1,233,053	1,265,122	1,244,000	1,228,000	-1.29%
Distribution & Transmission	675,230	591,784	684,000	658,000	-3.80%
Administrative And General	809,529	821,314	885,500	1,040,680	17.52%
Depreciation And Amortization	613,310	624,165	626,000	636,000	1.60%
Payment In Lieu Of Taxes	265,291	229,720	272,750	267,400	-1.96%
Total Operating Expense	3,596,412	3,532,105	3,712,250	3,830,080	3.17%
Operating Income (Loss)	\$ 688,011	\$ 712,063	\$ 424,000	\$ 388,820	-8.30%

STATEMENT OF OPERATIONS - ELECTRIC

Fiscal Years Ending September 30

	Actual 2020	Estimated 2021	Budget 2021	Budget 2022	Budget % Difference
Operating Revenues:					
Residential	\$ 5,843,969	\$ 5,130,914	\$ 5,457,500	\$ 5,500,000	0.78%
Small General	1,929,881	1,890,897	1,850,000	1,860,000	0.54%
Large General	2,664,806	2,524,928	2,497,500	2,500,000	0.10%
Industrial	5,405,568	5,075,216	5,180,000	5,180,000	0.00%
Resale	73,119	772,672	138,750	250,000	80.18%
Commercial	1,634,727	1,416,351	1,443,000	1,450,000	0.49%
Other	1,923,411	1,809,274	2,059,813	1,864,610	-9.48%
Total Sales	19,475,482	18,620,254	18,626,563	18,604,610	-0.12%
Other Operating Revenue	488,743	292,038	338,000	246,000	-27.22%
Total Operating Revenue	19,964,225	18,912,292	18,964,563	18,850,610	-0.60%
Operating Expenses:					
Plant	1,061,329	3,798,308	937,000	618,500	-33.99%
Fuel	64,037	879,815	50,000	90,000	80.00%
Purchased Power	11,594,856	10,502,831	11,668,000	11,308,000	-3.09%
Distribution & Transmission	2,081,691	1,735,599	2,023,850	1,896,251	-6.30%
Administrative And General	2,152,826	2,208,164	2,139,325	2,584,279	20.80%
Depreciation And Amortization	879,612	914,854	1,044,000	935,000	-10.44%
Payment In Lieu Of Taxes	1,987,035	1,597,276	1,948,063	1,937,388	-0.55%
Total Operating Expense	19,821,385	21,636,848	19,810,238	19,369,417	-2.23%
Operating Income (Loss)	\$ 142,840	\$ (2,724,556)	\$ (845,675)	\$ (518,808)	-38.65%

STATEMENT OF OPERATIONS - GAS

Fiscal Years Ending September 30

	Actual 2020	Estimated 2021	Budget 2021	Budget 2022	Budget % Difference
Operating Revenues:					
Transportation	\$ 187,850	\$ 188,991	\$ 188,000	\$ 265,000	40.96%
Total Sales	187,850	188,991	188,000	265,000	40.96%
Other Operating Revenue	42,697	2,798	5,000	500	-90.00%
Total Operating Revenue	230,548	191,789	193,000	265,500	37.56%
Operating Expenses:					
Meter Site	2,402	2,546	3,000	2,500	-16.67%
Distribution & Transmission	48,045	54,492	44,800	48,000	7.14%
Administrative And General	10,093	3,729	2,700	5,000	85.19%
Depreciation And Amortization	260,052	260,052	260,000	260,000	0.00%
Total Operating Expense	320,592	320,819	310,500	315,500	1.61%
Operating Income (Loss)	\$ (90,044)	\$ (129,030)	\$ (117,500)	\$ (50,000)	-57.45%

STATEMENT OF OPERATIONS - IT & BROADBAND*Fiscal Years Ending September 30*

	Actual 2020	Estimated 2021	Budget 2021	Budget 2022	Budget % Difference
Operating Revenues:					
Tier 1	\$ 715,917	\$ 724,324	\$ 740,250	\$ 725,250	-2.03%
Tier 1 - Grant 1	-	-	-	70,000	0.00%
Tier 2	466,071	576,900	460,000	580,000	26.09%
Tier 2 - Grant 1	-	-	-	10,000	0.00%
Tier 3	103,472	132,254	95,000	130,000	36.84%
Tier 3 - Grant 1	-	-	-	2,500	0.00%
Other	121,741	114,560	98,750	113,513	14.95%
Total Sales	1,407,200	1,548,038	1,394,000	1,631,263	17.02%
Other Operating Revenue	47,264	47,656	44,500	62,250	39.89%
Total Operating Revenue	1,454,464	1,595,693	1,438,500	1,693,513	17.73%
Operating Expenses:					
Access Fees	364,060	343,653	357,000	364,140	2.00%
Distribution & Transmission	120,247	159,190	113,800	162,294	42.61%
Administrative And General	192,435	247,906	188,430	268,033	42.25%
Depreciation And Amortization	354,961	382,456	375,000	385,000	2.67%
Payment In Lieu Of Taxes	10,936	17,625	10,000	15,000	50.00%
Total Operating Expense	1,042,638	1,150,832	1,044,230	1,194,468	14.39%
Operating Income (Loss)	\$ 411,825	\$ 444,861	\$ 394,270	\$ 499,045	26.57%

STATEMENT OF OPERATIONS - WASTEWATER*Fiscal Years Ending September 30*

	Actual 2020	Estimated 2021	Budget 2021	Budget 2022	Budget % Difference
Operating Revenues:					
Residential	\$ 1,881,157	\$ 1,890,530	\$ 1,919,000	\$ 2,155,530	12.33%
Small General	123,209	127,436	130,910	178,436	36.30%
Large General	68,750	64,302	85,595	100,302	17.18%
Industrial	519,617	514,376	473,000	844,376	78.51%
Commercial	248,665	257,326	256,250	311,326	21.49%
Other	45,862	55,154	21,750	22,023	1.25%
Total Sales	2,887,260	2,909,122	2,886,505	3,611,990	25.13%
Other Operating Revenue	50,999	44,481	35,000	36,500	4.29%
Total Operating Revenue	2,938,259	2,953,603	2,921,505	3,648,490	24.88%
Operating Expenses:					
Plant	966,508	998,073	909,300	930,356	2.32%
Collection	274,026	291,211	343,000	322,036	-6.11%
Administrative And General	621,948	635,865	581,475	790,365	35.92%
Depreciation And Amortization	645,624	645,280	635,000	660,000	3.94%
Payment In Lieu Of Taxes	10,183	8,222	18,000	11,500	-36.11%
Total Operating Expense	2,518,289	2,578,651	2,486,775	2,714,257	9.15%
Operating Income (Loss)	\$ 419,970	\$ 374,952	\$ 434,730	\$ 934,233	114.90%

STATEMENT OF CHANGE IN FINANCIAL POSITION

Fiscal Years Ending September 30

	Actual 2020	Estimated 2021	Budget 2021	Budget 2022	Budget % Difference
Water Department					
Operating Revenue	\$ 4,284,423	\$ 4,244,168	\$ 4,136,250	\$ 4,218,900	2.00%
Operating Expense	3,596,412	3,532,105	3,712,250	3,830,080	3.17%
Net Income	688,011	712,063	424,000	388,820	-8.30%
Add: Depreciation	613,310	624,165	626,000	636,000	1.60%
Less: Loan Principal Payments	284,826	294,984	296,590	295,000	-0.54%
Less: Capital Projects	389,415	264,000	1,168,000	1,832,000	56.85%
Increase (Decrease) in Working Capital	627,080	777,244	(414,590)	(1,102,180)	165.85%
Electric Department					
Operating Revenue	19,964,225	18,912,292	18,964,563	18,850,610	-0.60%
Operating Expense	19,821,385	21,636,848	19,810,238	19,369,417	-2.23%
Net Income	142,840	(2,724,556)	(845,675)	(518,808)	-38.65%
Add: Depreciation	879,612	914,854	1,044,000	935,000	-10.44%
Add: Loan payments from:					
Water Dept	284,826	294,984	296,590	295,000	-0.54%
Wastewater Dept	401,826	338,470	352,448	350,000	-0.69%
City of Marshall	-	-	-	243,000	0.00%
Add: Transfer payments from:					
IT & Broadband	120,000	120,000	120,000	120,000	0.00%
Less: Capital Projects	852,380	437,980	5,625,500	2,157,000	-61.66%
Increase (Decrease) in Working Capital	976,723	(1,494,227)	(4,658,137)	(732,808)	-84.27%
Natural Gas Department					
Operating Revenue	230,548	191,789	193,000	265,500	37.56%
Operating Expense	320,592	320,819	310,500	315,500	1.61%
Net Income	(90,044)	(129,030)	(117,500)	(50,000)	-57.45%
Add: Depreciation	260,052	260,052	260,000	260,000	0.00%
Less: Capital Projects	-	-	-	-	0.00%
Increase (Decrease) in Working Capital	\$ 170,008	\$ 131,022	\$ 142,500	\$ 210,000	47.37%

STATEMENT OF CHANGE IN FINANCIAL POSITION

Fiscal Years Ending September 30

	Actual 2020	Estimated 2021	Budget 2021	Budget 2022	Budget % Difference
IT & Broadband Department					
Operating Revenue	\$ 1,454,464	\$ 1,595,693	\$ 1,438,500	\$ 1,693,513	17.73%
Operating Expense	1,042,638	1,150,832	1,044,230	1,194,468	14.39%
Net Income	411,825	444,861	394,270	499,045	26.57%
Add: Depreciation	354,961	382,456	375,000	385,000	2.67%
Less: Transfer to Electric	120,000	120,000	120,000	120,000	0.00%
Less: Capital Projects	399,490	389,100	665,000	1,720,000	158.65%
Add: Grant Funds	-	-	-	575,000	0.00%
Less: Loan Principal Payments	-	-	-	50,000	0.00%
Increase (Decrease) in Working Capital	247,296	318,218	(15,730)	(430,955)	2639.70%
Wastewater Department					
Operating Revenue	2,938,259	2,953,603	2,921,505	3,648,490	24.88%
Operating Expense	2,518,289	2,578,651	2,486,775	2,714,257	9.15%
Net Income	419,970	374,952	434,730	934,233	114.90%
Add: Depreciation	645,624	645,280	635,000	660,000	3.94%
Less: Loan Principal Payments	401,826	338,470	352,448	350,000	-0.69%
Less: Loan Principal Payments	-	-	-	400,000	0.00%
Less: Capital Projects	497,717	350,000	1,252,000	9,207,000	635.38%
Increase (Decrease) in Working Capital	166,051	331,763	(534,718)	(8,362,767)	1463.96%
Marshall Municipal Utilities					
Total Operating Revenue	28,871,918	27,897,545	27,653,818	28,677,013	3.70%
Total Operating Expense	27,299,316	29,219,254	27,363,993	27,423,722	0.22%
Total Net Income	1,572,602	(1,321,709)	289,825	1,253,290	332.43%
Add: Total Depreciation	2,753,558	2,826,808	2,940,000	2,876,000	-2.18%
Add: Total Payments					
Paid To Electric	806,652	753,454	769,038	1,008,000	31.07%
Less: Total Loan Payments					
Paid From Water	284,826	294,984	296,590	295,000	-0.54%
Paid From Wastewater	401,826	338,470	352,448	750,000	112.80%
Paid From IT & Broadband	-	-	-	50,000	0.00%
Less: Total Transfer Payments					
Paid From IT & Broadband	120,000	120,000	120,000	120,000	0.00%
Less: Total Capital Projects	2,139,002	1,441,080	8,710,500	14,916,000	71.24%
Add: Grant funds	-	-	-	575,000	0.00%
Increase (Decrease) in Working Capital	\$ 2,187,158	\$ 64,019	\$ (5,480,675)	\$ (10,418,710)	90.10%